UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5 ANALYTICAL SERVICES BRANCH LABORATORY
536 SOUTH CLARK STREET (LAB-10C)
CHICAGO, ILLINOIS 60605

ELECTRONIC LABORATORY DATA PACKAGE
FINAL LEVEL IV
COVER PAGE

LIMS Work order(s):	2105001-01 to 19 (PUF disks)
Analysis:	SVOA PAHs in PUF by press. fluid extr (SIM)
Primary Analyst:	Mai Nguyen
Date:	07.29.21
Data Reporting Qualtrax Workflow ID:	26157

Digital Signature of Primary Analyst:

Digital Signature Agreement: By signing above the primary analyst understands and agrees that they will be held legally bound, obligated, and responsible for the use of their digital signature as they would be by using their hand-written signature.

Note: Secondary SVOA analyst & group lead Kristen Leckrone is completing the reporting this package for primary analyst Mai Nguyen, who is on annual leave. The primary analyst will review package and sign final checklist before final package is uploaded to EDMS.

KRISTEN LECKRONE

Digitally signed by KRISTEN LECKRONE
Date: 2021.08.02 18:42:08 -05'00'

Organic Data Verification Checklist

CRL SOP #: ___MS026 rev 3 _____ Site Name: ___BURNS HARBOR _____
CRL Batch #: ___B21E006_____ ESAT TDF #: _____
CRL Work Order #: __2105001-01 to 18_ (For ESAT Data Packages)

Analyst Name (print) / Date (QC1): _____Mai Nguyen 07.22.21_____
Reviewer Name (print) / Date (QC2): __Kelsey O'Malley_____

Use this checklist in conjunction with CRL SOPs MS037, MS036, GEN029, GEN032, and the determinative SOP cited above. Provide an explanation as needed in the comments section for non-conformances not described in the case narrative or analyst note.

ANALYTICAL QUALITY CONTROL AUDIT

Technical Holding Times and Sample Preservation

- Samples received properly sealed and preserved
- Samples prepared and analyzed within specified holding times
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Instrument Performance Check

- Instrument performance checks were analyzed at minimum frequency specified in the determinative SOP
- Any required tune , degradation, and tailing factor checks were evaluated against criteria in determinative SOP
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Initial Calibration

- Correct data files were used for initial calibration
- Analytes were assigned to peaks correctly
- Peaks were quantitated correctly, and manual integrations documented where applicable
- Reference spectra were updated based on an appropriate standard, detailed quant report is included
- Target analytes were qualitatively identifiable in the calibration standard at the reporting limit
- Structural isomers with similar mass spectra have unique retention times.
- Resolution checks were performed, if applicable
- Minimum number of points were included for calibration model(s)
- Weighting of calibration model is appropriate
- Second-source initial calibration verification standard met SOP criteria
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Continuing Calibration Verification

- CCV standards were analyzed at minimum frequency specified in determinative SOP
- Peaks were identified and quantified correctly, and manual integrations documented where applicable
- CCV standards were evaluated against the appropriate limit(s) for percent difference/recovery
- Structural isomers have resolution checks if applicable
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Internal Standards

- Internal standards area and retention time summary in injection log accurately represents the run
- Peaks were identified and quantified correctly, and manual integrations documented where applicable
- Samples met internal standard response and retention time criteria specified in determinative SOP
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Surrogates (For Air, these are the same as System Monitoring Compounds, SMC.)

- Peaks were identified and quantified correctly, and manual integrations documented where applicable
- Surrogate recoveries met SOP criteria
- For air, reported SMC results are above the established MDL or RL
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Blanks

- Target analytes that are qualitatively identifiable do not exceed SOP-specified tolerance (<1/5 of sample result)
- Analyzed at minimum frequency specified in determinative SOP
- For air analysis, canister clean check blanks are evaluated (these are not reported).
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Reporting Limit Verification

- Peaks were identified and quantified correctly
- Analyzed at minimum frequency specified in determinative SOP
- Target analytes were recovered acceptably at RLs listed in SOP
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Blank Spikes (For Volatiles (including air), these are the same as CCV.)

- Peaks were identified and quantified correctly, and manual integrations documented where applicable
- Analyzed at minimum frequency specified in determinative SOP
- Analyte recovery and/or precision met SOP criteria
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Matrix Spikes (Not applicable to air analysis.)

- Peaks were identified and quantified correctly, and manual integrations documented where applicable
- Analyzed at minimum frequency specified in determinative SOP
- Analyte recovery and/or precision met SOP criteria
- Spike level is valid for evaluation based on native sample results
- Structural isomers have resolution checks if applicable
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Duplicates (Air)

- Peaks were identified and quantified correctly, and manual integrations documented where applicable
- Analyzed at minimum frequency specified in determinative SOP
- Target analytes identified in the field sample were also present in the duplicate
- Analyte measurement precision met SOP criteria
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Field Samples - Quantitation

- All target compounds requested for the project are analyzed; project specific analyte list matches QAPP list
- Peaks were identified and quantified correctly, and manual integrations documented where applicable
- When multiple analyses of the same sample (e.g. dilutions) are included:
    - Which results are reported is indicated on the quant reports and injection log
    - There is a single result for each analyte per sample
    - Potential for carryover contamination from any high-level samples was evaluated
    - Dilution factors are clearly documented for the client
- Structural isomers have resolution checks if applicable
- If the above conditions are not met, target analytes in affected samples are appropriately qualified.

Field Samples - Qualitative Identification

- Target analytes fall within reference retention time window and ion ratio ranges defined by determinative SOP
- Target analytes in samples match reference mass spectra, when available
- Reference spectra are current
- Tentatively identified compounds, if reported, are supported by spectral data
- If the above conditions are not met, target analytes in affected samples are qualified where appropriate.

DATA VERIFICATION

Review of Instrument Data and Calculations

- Data files were processed with the applicable calibration method
- Calculations are correct and documented (using current version of approved spreadsheets if applicable) in the package, SOP, supporting file types, LIMS, etc.
- Bench sheet(s) are complete and all relevant field samples and batch QC samples are listed
- LIMS IDs are included for all reagents and standards; all are valid to use
- Reported results are within the calibrated concentration range

LIMS Data and Report

- Correct analysis for the samples
- LIMS data match quantitation reports, and the upload was complete
- Instrument used and analyst initials are recorded correctly with the batch(es) in LIMS
- Data qualifiers and RL changes are applied correctly,
- 'Q' indicator present for analytes outside control limits in QC samples
- Results for all reported (necessary) field samples and QC samples are present and complete
- Any injections for which results are not reported for any analyte have status updated to "cancelled"
- All analytes requested to be reported from this analysis are selected correctly and locked
- Project status is up to date in LIMS
- Prep and analysis dates are accurately entered
- Reporting limits, control limits, and units are reproduced correctly from SOP, pen and ink change, or QAPP/SAP
- When applicable, percent dry solids data is at least 'Reviewed' in LIMS before final reporting
- Accreditation logo is used appropriately, correct report template was used

CASE NARRATIVE REVIEW

- Work instruction QA-WI006 was used.
    - SOP is referenced, including title, name, version #, and any Pen & Ink corrections.
    - QAPP is referenced by title & date.
    - Data verification is addressed, including evaluation relative to any project DQOs, RLs, action limits, etc.
- Narrative is embedded into the LIMS report
- All QA/QC issues that impact reported results are discussed
- If descriptive data qualifiers are used a reference to the report is added
- Any special requests for the project are addressed, including statement if data reported to MDL.

DATA PACKAGE COMPLETENESS

- All applicable components identified in GEN032 are present
- All reported field and QC quant reports are present, including detailed reports for: field samples, blanks, MSs
- Any needed supporting materials present, including P&Is, client communications, & any custom analyte lists
- Injection log is complete and correct
- Manual integrations are documented according to SOP GEN029
- Copies of recorded original observations (e.g. any analyst laboratory notebook entries, balance logs, temperature logs or other supporting data) are present
- Custody transfer and time tracking sheet present (for ESAT data packages)

DEMONSTRATION VERIFICATION

Is a current ADOC for this analysis on file? Qualtrax ID and expiration date __ **#24391** 2/12/2022 ___

COMMENTS

_____

_____

_____

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_____

R5CRL Data Path: \\204.46.201.26\R5CRL\VOL1\Projects (New File Structure)\Burns Harbor\4. MS\2105001 (samples 1 - 19, disks)

Data Path Template: \\204.46.201.26\R5CRL\VOL1\Projects (New File Structure)\project name\4. MS\WO

Analyst Signature / Date: _____

Analyst Signature / Date: Kristen Leckrone 07/29/21

Secondary SVOA analyst & group lead Kristen Leckrone is completing the reporting this package for primary analyst Mai Nguyen, who is on annual leave. The primary analyst will confirm final package prior to final EDMS upload.

The analyst and reviewer chemists, by signing, verify and are in agreement that this package is complete, and accurately represents and supports the reported results in accordance with the ASB Quality Manual and applicable standard operating procedures to the best of her/his knowledge. No concerns with this data package remain.

Reviewer Signature / Date: Kelsey O'Malley 07/29/2021

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

US EPA Region 5 LSASD Analytical Services Branch

536 SOUTH CLARK STREET

CHICAGO, ILLINOIS 60605

Date: **8/2/2021**

Title: **ASB Data Report for Burns Harbor**

To: **Air Division, US EPA Region 5**
77 West Jackson Boulevard
Chicago, IL 60605

From: **Kristen Leckrone, Chemist**
leckrone.kristen@epa.gov
US EPA Region 5 LSASD Analytical Services Branch

The results reported in this document apply to the samples as received and relate only to the items tested. The data transmitted under this cover memo successfully passed the data review process and applicable Analytical Services Branch (ASB) laboratory Standard Operating Procedures. In accordance with the EPA QA/G-8 *Guidance on Environmental Data Verification and Data Validation*, ASB performs data verification on all the data generated internally. ASB does not perform data validation or quality assessment procedures.

This report was reviewed and the information provided herein accurately represents the analysis performed.

Kristen Leckrone

Please contact the analyst with any technical report issues, Amanda Wroble at (312)-353-0375 for sample project concerns, and Robert Snyder at (312)-353-9083 with data transmittal questions. Thank you.

Attached are Results for: **Burns Harbor**

Analyses included in this report:

SVOA PAHs in PUF disks by press. fluid extr. (SI

Report Name: 2105001 SVOA PAHs in solids by press. fluid extr. (SIM) FINAL Aug 02 21 1758

General Information. Four polyurethane foam (PUF) plugs and nineteen polyurethane foam (PUF) Disks were received on May 03rd, 2021 were received at the Analytical Services Branch (ASB), for SVOA PAHs in PUF by pressurized fluid extraction (SIM). All samples were received properly sealed and preserved.

All nineteen (PUF) Disks samples were extracted on May 04 and analyzed May27 – June 08. Plugs were reported in a separate package. Samples and extracts were refrigerated at 0-6ºC when not in use. All holding times for samples (14 days) and extracts (40 days) were met. The designated analyst for these samples, Mai Nguyen, can be reached at (312) 353-9063. Secondary SVOA analyst & group lead Kristen Leckrone, 312-353-9068, is completing the reporting this package for primary analyst Mai Nguyen, who is on annual leave.

Sample Analysis and Results. Sample preparation and analysis was performed on the Accelerated Solvent Extraction (ASE) units #1 and 2, concentrated on Buchi Syncore #2, and analyzed on GC/MS#21 according to standard operating procedure (SOP) MS026, Semivolatile organic compounds in water in soil by GC/MS, revision 3, as modified by Pen and Inks #21307, 24358 and 25983. Data review was performed according to the guidelines in ASB SOP MS037 v.5 Pen and Inks #21549.

Customer-specified data quality objectives are listed in "Quality Assurance Project Plan (QAPP) for the Benzo[a]pyrene Monitoring Study at Cleveland Cliffs in Burns Harbor, IN", dated March 2021. The data reported herein meets the requirements referenced in the SOP, Pen & Ink #24358, and QAPP, with the exceptions noted in the quality control section below. Although the QAPP specifies data quality objectives only for the target PAHs naphthalene, phenanthrene, chrysene, benzo[a]pyrene, and indeno(1,2,3-c,d) pyrene, results are reported for all PAHs in the MS026 PAH SIM analysis for screening purposes. Per client request, data are reported to the method detection limit (MDL). All numeric field sample results between the MDL and ASB's standard reporting limit (RL) are qualified J, estimated. Additional qualifiers may apply to these results, see quality control section below.

Quality Controls. All Quality Control (QC) parameters were within ASB and QAPP limits, or excursions did not result in qualification of data, except as described below.

Initial Calibration. The calibration meets all SOP requirements. As noted in the "resolution" section below, benzo(b)fluoranthene and benzo(k)fluoranthene are reported separately, so the summed calibration is not used. The analytes benzo(e)pyrene and perylene are absent from the second source stock mix, so there is no independent calibration verification for these two analytes.

Continuing Calibration Verifications (CCVs). Phenanthrene and benzo(g,h,i)perylene in the closing CCV for the 06.04.21 and 06.08.21 sequence were below acceptance limits. Affected samples

with these analytes reported were qualified L, CCV, estimated result with potential for low bias. As a precaution, two sequential closing CCVs were analyzed for sequences 06.04.21 and 06.08.21 to confirm the sequences ended with CCVs on these overnight runs. Only the first closing CCVs were required, and both passed, so the second closing CCV for each sequence was not evaluated.

Blanks. Blanks were evaluated relative to P&I 24358 criteria of no detectable blanks in solvent method blanks (SMBs, -BLK2 and -BLK3 for hexane and acetone respectively), and no blanks above MRL or above 1/5th a reported sample result for the method blank (-BLK).

In the extraction solvent method blanks (B21E006-BLK2 for hexane and -BLK3 for Acetone), which are not spiked with surrogates, traces (< 1 ng) of the lab surrogate fluorene-d10 were detected, above the P&I 24358 criterion of non-detect. This contamination is likely carryover from glassware, syringes or from the injection port itself, rather than the extraction solvent. Since surrogates are spiked are at 500ng, the level of contamination is insignificant (<0.2% of spiked amount) and has no impact on reported surrogate recoveries, and no data qualifiers are applied.

Blank Spike (BS)/Blank Spike Duplicate (BSD). In B21E006-BS1 and BSD1, for analytes naphthalene, 2-methylaphthalene, 1-methylnaphthalene, acenapthylene, acenaphthene, fluorene and phenanthrene, the spike level of 250 ng equals the MRL. For these analytes, MRLs for the BS and BSD in LIMS were manually set to the lower control limit to permit accurate calculation and display of recoveries.

The recoveries of naphthalene , 2-methylaphthalene, 1-methylnaphthalene, phenanthrene and anthracene in B21E006-BS1 are below the SOP limits. These analytes were recovered acceptably in the B21E006-BSD1. All field samples including non-detects were qualified L, LCS. Additionally, the analytes naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, and acenaphthylene had relative percent deviations (RPDs) above SOP limits in the BSD. They are qualified J, (LCS RPD) or L, (LCS) as appropriate in all samples with detected results.

Duplicate injections. Per NATTS-TAD reference method and QAPP, duplicate injections of the same field sample extract are required once per instrument sequence to assess the precision of the determinative instrumental analysis. For the sequence run on 06.08.21, the dulplicate injection is reported on a different work order. The duplicate injections (B21E006-DUP1 and DUP2) reported from the 5.27.21 and 06.04.21 sequences easily meet the 10% RPD criteria for all analytes.

Reporting limit spike. For the reporting limit QC sample, the LIMS values for MRLs and where necessary, MDLs, are manually set to the lower recovery limit to enable calculation and display of recoveries.

Surrogates. Surrogate recoveries are reported from the lowest dilution analyzed. Per P&I 24358,

failure of either extraction surrogate (fluorene-d10, pyrene-d10) results in qualification of the sample, including dilutions. Failure of the field surrogate benzo(a)pyrene-d12 similarly results in qualification, however, for disk samples only, failure of field surrogate fluoranthene-d10 is noted with a Q but does not result in qualification of sample results.

The surrogate recovery of at least on extraction surrogate and/or benzo(a)pyrene-d12 field surrogate was below acceptable limits for samples 2105001-01, 2, 3, 4, 5 and 2105001-15, 16, 17, 18, and 19 were below acceptable limits. These samples comprise all the deployed field samples in the study. Surrogate recovery was acceptable in all field blanks. All reported results for affected samples, including dilutions and non-detects, are qualified L, SURR. The surrogate recoveries for sample duplicates B1E006-DUP1 (reinjection of sample -04) and B1E006-DUP2 (reinjection of sample -01) are as described above for their source samples, and results are similarly qualified.

Resolution checks. Resolution between the benzo(b)fluoranthene and benzo(k)fluoranthene isomers met SOP limits in all QC samples but failed limits in all field samples. There was a consistent, several-fold differences in concentration between the two isomers across all samples, with benzo(b)fluoranthene higher. In several samples, the benzo(b) isomer was above the reporting limit, while benzo(k)fluoranthene was below its reporting limit and the sum also below the summation reporting limit. To capture this information, these isomers are reported separately, with a J, (RES) qualifier to indicate that quantitation is an estimate due to coeluting isomer peaks.

Benzo(a)anthracene and chrysene isomers were fully resolved (>90%) in ICAL levels, the ICV, CCVs, and QC samples. In field samples, an unknown PAH sharing the same qualitative and quantitative masses eluted in the gap between these two isomers. In each field sample where this unknown PAH occurred, benzo(a)anthracene was evaluated for resolution against the unknown intermediate isomer. Benzo(a)anthracene resolution was sufficient for all samples. Chrysene was report as an estimated result (J, RES) for all samples, because the co-elution was so close that a resolution check could not be reliably applied, and the interfering peak had the potential to significantly affect quantitation of chrysene in all instances.

Manual integrations. Throughout the package, manual integrations were performed to integrate the partially co-eluting benzo(b) and benzo(k)fluoranthene peaks in three ways: as two distinct peaks separated at the valley of the coelution, and as a combined benzo(b+k)fluoranthene peaks (not used, as explained above). Each benzo(b), benzo(k), and benzo(b+k) manual integration is automatically marked with an “m” in the chemstation data. Integrations were performed by the analyst noted on the quantitation report heading, on the date indicated on the quantitation report heading. Before and after pictures are supplied via the reviewed and unreviewed quantitation reports, but manual integration codes (I, wrong integration) and C (co-elution) are not applied to each integration. All other manual integrations are documented with codes in compliance with ASB SOP GEN 029, “Manual Integrations”.

Environmental Protection Agency Region 5

Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

WORK ORDER

Printed: 5/4/2021 11:59:00AM

2105001

US EPA Region 5 LSASD Analytical Services Branch

Client: **Air Division, US EPA Region 5**
Project: **Burns Harbor**
Project Manager: **Angela Ockrassa Davis**
Project Number: **[none]**

Report To:

Kathleen Healy
Air Division, US EPA Region 5

77 West Jackson Boulevard
Chicago, IL 60605

Phone: (312) 886-7048
Fax: (312) 353-2001

Date Due: Aug-02-21 15:00 (90 day TAT)
Received By: Robert Snyder
Logged In By: Robert Snyder
Date Received: May-03-21 17:40
Date Logged In: May-03-21 18:10

Sample tags/labels	Yes
Seals Intact	Yes
Received on ice	Yes
Paperwork Included	Yes

Work Order Comments:
Copy/Relog from 2104016.

Cooler(s) information:
Cooler # 1 - 0.40 C
Cooler # 2 - 0.10 C
Cooler # 3 - 0.40 C
Cooler # 4 - 0.00 C
Cooler # 5 - 0.30 C

Sample ID: 2105001-01 **Sampled:** May-03-21 08:54 **Matrix:** Wipe
Sample Name: OGD-P1-1 **Sample Location/Comments:** Ogden Dunes
Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (Sl	14	May-17-21 08:54	

Sample ID: 2105001-02 **Sampled:** May-03-21 10:05 **Matrix:** Wipe
Sample Name: FEN-P1-1 **Sample Location/Comments:** West Fenceline
Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (Sl	14	May-17-21 10:05	

Sample ID: 2105001-03 **Sampled:** May-03-21 10:11 **Matrix:** Wipe
Sample Name: FEN-P2-1 **Sample Location/Comments:** West Fenceline
Sample Comments:

Analysis	Hold time (days)	Expires	Comments

WORK ORDER

Printed: 5/4/2021 11:59:00AM

2105001

US EPA Region 5 LSASD Analytical Services Branch

Client: Air Division, US EPA Region 5
Project: Burns Harbor
Project Manager: Angela Ockrassa Davis
Project Number: [none]

Sample ID: 2105001-03 **Sampled:** May-03-21 10:11 **Matrix:** Wipe

Sample Name: FEN-P2-1 **Sample Location/Comments:** West Fenceline

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 10:11	

Sample ID: 2105001-04 **Sampled:** May-03-21 09:24 **Matrix:** Wipe

Sample Name: HWY-P1-1 **Sample Location/Comments:** South Hwy 12

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 09:24	

Sample ID: 2105001-05 **Sampled:** May-03-21 09:47 **Matrix:** Wipe

Sample Name: SAM-P1-1 **Sample Location/Comments:** South Arcelor Mittal Entrance

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 09:47	

Sample ID: 2105001-06 **Sampled:** May-03-21 09:26 **Matrix:** Wipe

Sample Name: FBP-HWY-2 **Sample Location/Comments:** South HWY 12

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 09:26	

Sample ID: 2105001-07 **Sampled:** May-03-21 09:49 **Matrix:** Wipe

Sample Name: FBP-SAM-2 **Sample Location/Comments:** South Arcelor Mittal Entrance

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 09:49	

WORK ORDER

Printed: 5/4/2021 11:59:00AM

2105001

US EPA Region 5 LSASD Analytical Services Branch

Client: Air Division, US EPA Region 5
Project: Burns Harbor
Project Manager: Angela Ockrassa Davis
Project Number: [none]

Sample ID: 2105001-08 **Sampled:** May-03-21 10:07 **Matrix:** Wipe

Sample Name: FBP-FEN-2 **Sample Location/Comments:** West Fenceline

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 10:07	

Sample ID: 2105001-09 **Sampled:** May-03-21 08:56 **Matrix:** Wipe

Sample Name: FBP-OGD-2 **Sample Location/Comments:** Ogden Dunes

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 08:56	

Sample ID: 2105001-10 **Sampled:** May-03-21 00:00 **Matrix:** Wipe

Sample Name: TBP-2 **Sample Location/Comments:** Trip Blank

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 00:00	

Sample ID: 2105001-11 **Sampled:** May-03-21 13:17 **Matrix:** Wipe

Sample Name: FBP-XAC-2 **Sample Location/Comments:** Xact-NIPSCO

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 13:17	

Sample ID: 2105001-12 **Sampled:** May-03-21 11:22 **Matrix:** Wipe

Sample Name: FBP-BHP-2 **Sample Location/Comments:** Burns Harbor - Port of Indiana

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 11:22	

WORK ORDER

Printed: 5/4/2021 11:59:00AM

2105001

US EPA Region 5 LSASD Analytical Services Branch

Client: Air Division, US EPA Region 5
Project: Burns Harbor
Project Manager: Angela Ockrassa Davis
Project Number: [none]

Sample ID: 2105001-13 **Sampled:** May-03-21 12:28 **Matrix:** Wipe

Sample Name: FBP-PTG-2 **Sample Location/Comments:** Portage - Hwy 12

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 12:28	

Sample ID: 2105001-14 **Sampled:** May-03-21 00:00 **Matrix:** Wipe

Sample Name: BLK-P-1 **Sample Location/Comments:** Blank Spike Check

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 00:00	

Sample ID: 2105001-15 **Sampled:** May-03-21 11:26 **Matrix:** Wipe

Sample Name: BHP-P2-1 **Sample Location/Comments:** Burns Harbor - Port of Indiana

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 11:26	

Sample ID: 2105001-16 **Sampled:** May-03-21 12:34 **Matrix:** Wipe

Sample Name: PTG-P2-1 **Sample Location/Comments:** Portage - Hwy 12

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 12:34	

Sample ID: 2105001-17 **Sampled:** May-03-21 13:14 **Matrix:** Wipe

Sample Name: XAC-P1-1 **Sample Location/Comments:** Xact - NIPSCO

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 13:14	

WORK ORDER

Printed: 5/4/2021 11:59:00AM

2105001

US EPA Region 5 LSASD Analytical Services Branch

Client: Air Division, US EPA Region 5
Project: Burns Harbor
Project Manager: Angela Ockrassa Davis
Project Number: [none]

Sample ID: 2105001-18 **Sampled:** May-03-21 12:25 **Matrix:** Wipe

Sample Name: PTG-P1-1 **Sample Location/Comments:** Portage - Hwy 12

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 12:25	

Sample ID: 2105001-19 **Sampled:** May-03-21 11:20 **Matrix:** Wipe

Sample Name: BHP-P1-1 **Sample Location/Comments:** Burns Harbor - Port of Indiana

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF disks by press. fluid extr. (SI	14	May-17-21 11:20	

Sample ID: 2105001-20 **Sampled:** Apr-30-21 00:00 **Matrix:** Wipe

Sample Name: BHP-A-5 **Sample Location/Comments:** Burnsharbor - Port

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF plugs by press. fluid extr. (SI	14	May-14-21 00:00	

Sample ID: 2105001-21 **Sampled:** Apr-30-21 00:00 **Matrix:** Wipe

Sample Name: PTG-A-5 **Sample Location/Comments:** Portage Hwy 12

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF plugs by press. fluid extr. (SI	14	May-14-21 00:00	

Sample ID: 2105001-22 **Sampled:** Apr-30-21 00:00 **Matrix:** Wipe

Sample Name: XAC-A-5 **Sample Location/Comments:** Xact - NIPSCO

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF plugs by press. fluid extr. (SI	14	May-14-21 00:00	

WORK ORDER

Printed: 5/4/2021 11:59:00AM

2105001

US EPA Region 5 LSASD Analytical Services Branch

Client: Air Division, US EPA Region 5
Project: Burns Harbor
Project Manager: Angela Ockrassa Davis
Project Number: [none]

Sample ID: 2105001-23 **Sampled:** Apr-30-21 00:00 **Matrix:** Wipe

Sample Name: BLK-A-5 **Sample Location/Comments:** Blank Spike Check

Sample Comments:

Analysis	Hold time (days)	Expires	Comments
SVOA PAHs in PUF plugs by press. fluid extr. (Sl	14	May-14-21 00:00	

Reviewed By Date

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

OGD-P1-1 (2105001-01) **Matrix: Wipe** **Sampled: May-03-21 08:54** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	(LCS RPD), (LCS), (SURR), L	71.0	250	ng/Wipe	1	B21E006	May-04-21	Jun-04-21
2-Methylnaphthalene	**U**	(LCS), L, (LCS RPD), (SURR)	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), (SURR), L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), (SURR), L	8.00	250	"	"	"	"	"
Acenaphthene	**113**	(SURR), L, J	15.0	250	"	"	"	"	"
Fluorene	**212**	(SURR), L, J	16.0	250	"	"	"	"	"
Phenanthrene	**642**	(LCS), (SURR), L	70.0	250	"	"	"	"	"
Anthracene	**16.8**	(LCS), (SURR), L, J	8.00	50.0	"	"	"	"	"
Fluoranthene	**381**	(SURR), L	10.0	50.0	"	"	"	"	"
Pyrene	**197**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**32.2**	(SURR), L, J	11.0	50.0	"	"	"	"	"
Chrysene	**75.4**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**127**	(SURR), L	10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**42.6**	(SURR), L, J	7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**64.0**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**49.1**	(SURR), L, J	11.0	50.0	"	"	"	"	"
Perylene	**U**	(SURR), L	12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**69.1**	(SURR), L	10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**15.6**	(SURR), L, J	7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**59.7**	(SURR), L	12.0	50.0	"	"	"	"	"

Surrogate	Result		%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	270		*54.5%*	*30-90*	"	"	"
Pyrene-d10	243	Q	*49.1%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	15.8	Q	*3.23%*	*60-120*	"	"	"
Fluoranthene-d10	215	Q	*43.9%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

FEN-P1-1 (2105001-02) **Matrix: Wipe** **Sampled: May-03-21 10:05** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**186**	(LCS RPD), (LCS), (SURR), L, J	71.0	250	ng/Wipe	1	B21E006	May-04-21	Jun-08-21
2-Methylnaphthalene	**276**	(LCS RPD), (LCS), (SURR), L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**164**	(LCS RPD), (LCS), (SURR), L, J	43.0	250	"	"	"	"	"
Acenaphthylene	**22.5**	(LCS RPD), (SURR), L, J	8.00	250	"	"	"	"	"
Acenaphthene	**310**	(SURR), L	15.0	250	"	"	"	"	"
Fluorene	**885**	(SURR), L	16.0	250	"	"	"	"	"
Anthracene	**253**	(LCS), (SURR), L	8.00	50.0	"	"	"	"	"
Pyrene	**696**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**188**	(SURR), L	11.0	50.0	"	"	"	"	"
Chrysene	**254**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**293**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**87.6**	(RES), (SURR), L	7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**204**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**170**	(SURR), L	11.0	50.0	"	"	"	"	"
Perylene	**37.7**	(SURR), L, J	12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**179**	(SURR), L	10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**61.5**	(SURR), L	7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**183**	(SURR), L	12.0	50.0	"	"	"	"	"

Surrogate	Result		%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	316		*63.7%*	*30-90*	"	"	"
Pyrene-d10	276	Q	*55.7%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	39.0	Q	*7.96%*	*60-120*	"	"	"
Fluoranthene-d10	298		*60.7%*	*60-120*	"	"	"

FEN-P1-1 (2105001-02RE1) **Matrix: Wipe** **Sampled: May-03-21 10:05** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Phenanthrene	**3160**	(LCS), (SURR), L	350	1250	ng/Wipe	5	B21E006	May-04-21	Jun-04-21
Fluoranthene	**1400**	(SURR), L	50.0	250	"	"	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

FEN-P2-1 (2105001-03) **Matrix: Wipe** **Sampled: May-03-21 10:11** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**167**	(LCS RPD), (LCS), (SURR), L, J	71.0	250	ng/Wipe	1	B21E006	May-04-21	Jun-08-21
2-Methylnaphthalene	**289**	(LCS RPD), (LCS), (SURR), L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**164**	(LCS RPD), (LCS), (SURR), L, J	43.0	250	"	"	"	"	"
Acenaphthylene	**23.6**	(LCS RPD), (SURR), L, J	8.00	250	"	"	"	"	"
Acenaphthene	**241**	(SURR), L, J	15.0	250	"	"	"	"	"
Fluorene	**665**	(SURR), L	16.0	250	"	"	"	"	"
Anthracene	**249**	(LCS), (SURR), L	8.00	50.0	"	"	"	"	"
Pyrene	**611**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**194**	(SURR), L	11.0	50.0	"	"	"	"	"
Chrysene	**252**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**273**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**79.0**	(RES), (SURR), L	7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**180**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**170**	(SURR), L	11.0	50.0	"	"	"	"	"
Perylene	**37.3**	(SURR), L, J	12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**153**	(SURR), L	10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**55.7**	(SURR), L	7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**160**	(SURR), L	12.0	50.0	"	"	"	"	"

Surrogate	Result		%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	248		*50.2%*	*30-90*	"	"	"
Pyrene-d10	237	Q	*47.8%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	29.9	Q	*6.10%*	*60-120*	"	"	"
Fluoranthene-d10	258	Q	*52.6%*	*60-120*	"	"	"

FEN-P2-1 (2105001-03RE1) **Matrix: Wipe** **Sampled: May-03-21 10:11** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Phenanthrene	**2890**	(LCS), (SURR), L	700	2500	ng/Wipe	10	B21E006	May-04-21	Jun-04-21
Fluoranthene	**1360**	(SURR), L	100	500	"	"	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

HWY-P1-1 (2105001-04) **Matrix: Wipe** **Sampled: May-03-21 09:24** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**106**	(LCS RPD), (LCS), (SURR), J, L	71.0	250	ng/Wipe	1	B21E006	May-04-21	May-27-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), (SURR), J, L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), (SURR), J, L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), J, L, (SURR)	8.00	250	"	"	"	"	"
Acenaphthene	**83.3**	(SURR), J, L	15.0	250	"	"	"	"	"
Fluorene	**435**	(SURR), J, L	16.0	250	"	"	"	"	"
Anthracene	**92.8**	(LCS), J, L, (SURR)	8.00	50.0	"	"	"	"	"
Fluoranthene	**669**	(SURR), J, L	10.0	50.0	"	"	"	"	"
Pyrene	**361**	(SURR), J, L	12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**U**	(SURR), J, L	11.0	50.0	"	"	"	"	"
Chrysene	**64.4**	(RES), (SURR), J, L	10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**55.0**	(SURR), J, L	10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**18.0**	(SURR), J, L	7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**U**	(SURR), J, L	12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**18.1**	(SURR), J, L	11.0	50.0	"	"	"	"	"
Perylene	**U**	(SURR), J, L	12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**26.3**	(SURR), J, L	10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**8.05**	(SURR), J, L	7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**21.4**	L, J	12.0	50.0	"	"	"	"	"

Surrogate	Result		%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	247		*50.0%*	*30-90*	"	"	"
Pyrene-d10	212	Q	*42.8%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	88.5	Q	*18.0%*	*60-120*	"	"	"
Fluoranthene-d10	204	Q	*41.5%*	*60-120*	"	"	"

HWY-P1-1 (2105001-04RE1) **Matrix: Wipe** **Sampled: May-03-21 09:24** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Phenanthrene	**1330**	(LCS), (SURR), L	140	500	ng/Wipe	2	B21E006	May-04-21	Jun-04-21

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

SAM-P1-1 (2105001-05) **Matrix: Wipe** **Sampled: May-03-21 09:47** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**188**	(LCS RPD), (LCS), (SURR), L, J	71.0	250	ng/Wipe	1	B21E006	May-04-21	Jun-08-21
2-Methylnaphthalene	**200**	(LCS RPD), (LCS), (SURR), L, J	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**125**	(LCS RPD), (LCS), (SURR), L, J	43.0	250	"	"	"	"	"
Acenaphthylene	**35.3**	(LCS RPD), (SURR), L, J	8.00	250	"	"	"	"	"
Acenaphthene	**348**	(SURR), L	15.0	250	"	"	"	"	"
Fluorene	**712**	(SURR), L	16.0	250	"	"	"	"	"
Anthracene	**180**	(LCS), (SURR), L	8.00	50.0	"	"	"	"	"
Pyrene	**678**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**220**	(SURR), L	11.0	50.0	"	"	"	"	"
Chrysene	**289**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**338**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**102**	(RES), (SURR), L	7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**210**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**188**	(SURR), L	11.0	50.0	"	"	"	"	"
Perylene	**43.8**	(SURR), L, J	12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**182**	(SURR), L	10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**66.8**	(SURR), L	7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**166**	(SURR), L	12.0	50.0	"	"	"	"	"

Surrogate	Result		%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	291		*58.7%*	*30-90*	"	"	"
Pyrene-d10	271	Q	*54.8%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	19.6	Q	*4.01%*	*60-120*	"	"	"
Fluoranthene-d10	275	Q	*56.2%*	*60-120*	"	"	"

SAM-P1-1 (2105001-05RE1) **Matrix: Wipe** **Sampled: May-03-21 09:47** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Phenanthrene	**2730**	L, (LCS), (SURR)	700	2500	ng/Wipe	10	B21E006	May-04-21	Jun-04-21
Fluoranthene	**1530**	(SURR), L	100	500	"	"	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

FBP-HWY-2 (2105001-06) **Matrix: Wipe** **Sampled: May-03-21 09:26** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	J, L, (LCS RPD), (LCS)	71.0	250	ng/Wipe	1	B21E006	May-04-21	May-27-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), J	8.00	250	"	"	"	"	"
Acenaphthene	**U**		15.0	250	"	"	"	"	"
Fluorene	**U**		16.0	250	"	"	"	"	"
Phenanthrene	**U**	(LCS), J	70.0	250	"	"	"	"	"
Anthracene	**U**	(LCS), J	8.00	50.0	"	"	"	"	"
Fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**U**		11.0	50.0	"	"	"	"	"
Chrysene	**U**		10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**U**		7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**U**		11.0	50.0	"	"	"	"	"
Perylene	**U**		12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**U**		10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**		7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**U**		12.0	50.0	"	"	"	"	"

Surrogate	Result	%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	340	*68.6%*	*30-90*	"	"	"
Pyrene-d10	385	*77.8%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	454	*92.6%*	*60-120*	"	"	"
Fluoranthene-d10	401	*81.9%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

FBP-SAM-2 (2105001-07) **Matrix: Wipe** **Sampled: May-03-21 09:49** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	(LCS RPD), (LCS), J, L	71.0	250	ng/Wipe	1	B21E006	May-04-21	May-27-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), J	8.00	250	"	"	"	"	"
Acenaphthene	**16.5**	J	15.0	250	"	"	"	"	"
Fluorene	**U**		16.0	250	"	"	"	"	"
Phenanthrene	**U**	(LCS), J	70.0	250	"	"	"	"	"
Anthracene	**U**	(LCS), J	8.00	50.0	"	"	"	"	"
Fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**U**		11.0	50.0	"	"	"	"	"
Chrysene	**U**		10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**U**		7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**U**		11.0	50.0	"	"	"	"	"
Perylene	**U**		12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**U**		10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**		7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**U**		12.0	50.0	"	"	"	"	"

Surrogate	Result	%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	334	*67.5%*	*30-90*	"	"	"
Pyrene-d10	345	*69.8%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	401	*81.8%*	*60-120*	"	"	"
Fluoranthene-d10	363	*74.0%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

FBP-FEN-2 (2105001-08) **Matrix: Wipe** **Sampled: May-03-21 10:07** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	(LCS RPD), (LCS), J, L	71.0	250	ng/Wipe	1	B21E006	May-04-21	May-27-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), J	8.00	250	"	"	"	"	"
Acenaphthene	**U**		15.0	250	"	"	"	"	"
Fluorene	**U**		16.0	250	"	"	"	"	"
Phenanthrene	**U**	(LCS), J	70.0	250	"	"	"	"	"
Anthracene	**U**	(LCS), J	8.00	50.0	"	"	"	"	"
Fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**U**		11.0	50.0	"	"	"	"	"
Chrysene	**U**		10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**U**		7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**U**		11.0	50.0	"	"	"	"	"
Perylene	**U**		12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**U**		10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**		7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**U**		12.0	50.0	"	"	"	"	"

Surrogate	Result	%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	305	*61.6%*	*30-90*	"	"	"
Pyrene-d10	383	*77.4%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	442	*90.2%*	*60-120*	"	"	"
Fluoranthene-d10	390	*79.5%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

FBP-OGD-2 (2105001-09) **Matrix: Wipe** **Sampled: May-03-21 08:56** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	(LCS RPD), (LCS), J, L	71.0	250	ng/Wipe	1	B21E006	May-04-21	May-27-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), J	8.00	250	"	"	"	"	"
Acenaphthene	**U**		15.0	250	"	"	"	"	"
Fluorene	**U**		16.0	250	"	"	"	"	"
Phenanthrene	**U**	(LCS), J	70.0	250	"	"	"	"	"
Anthracene	**U**	(LCS), J	8.00	50.0	"	"	"	"	"
Fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**U**		11.0	50.0	"	"	"	"	"
Chrysene	**U**		10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**U**		7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**U**		11.0	50.0	"	"	"	"	"
Perylene	**U**		12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**U**		10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**		7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**U**		12.0	50.0	"	"	"	"	"

Surrogate	Result	%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	295	*59.6%*	*30-90*	"	"	"
Pyrene-d10	375	*75.8%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	453	*92.4%*	*60-120*	"	"	"
Fluoranthene-d10	406	*82.7%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

TBP-2 (2105001-10) **Matrix: Wipe** **Sampled: May-03-21 00:00** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	(LCS RPD), (LCS), J, L	71.0	250	ng/Wipe	1	B21E006	May-04-21	May-27-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), J	8.00	250	"	"	"	"	"
Acenaphthene	**U**		15.0	250	"	"	"	"	"
Fluorene	**U**		16.0	250	"	"	"	"	"
Phenanthrene	**U**	J, (LCS)	70.0	250	"	"	"	"	"
Anthracene	**U**	(LCS), J	8.00	50.0	"	"	"	"	"
Fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**U**		11.0	50.0	"	"	"	"	"
Chrysene	**U**		10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**U**		7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**U**		11.0	50.0	"	"	"	"	"
Perylene	**U**		12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**U**		10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**		7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**U**		12.0	50.0	"	"	"	"	"

Surrogate	Result	%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	295	*59.7%*	*30-90*	"	"	"
Pyrene-d10	369	*74.5%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	450	*91.8%*	*60-120*	"	"	"
Fluoranthene-d10	399	*81.4%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

FBP-XAC-2 (2105001-11) **Matrix: Wipe** **Sampled: May-03-21 13:17** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	J, L, (LCS RPD), (LCS)	71.0	250	ng/Wipe	1	B21E006	May-04-21	May-27-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), J	8.00	250	"	"	"	"	"
Acenaphthene	**U**		15.0	250	"	"	"	"	"
Fluorene	**U**		16.0	250	"	"	"	"	"
Phenanthrene	**U**	(LCS), J	70.0	250	"	"	"	"	"
Anthracene	**U**	(LCS), J	8.00	50.0	"	"	"	"	"
Fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**U**		11.0	50.0	"	"	"	"	"
Chrysene	**U**		10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**U**		7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**U**		11.0	50.0	"	"	"	"	"
Perylene	**U**		12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**U**		10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**		7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**U**		12.0	50.0	"	"	"	"	"

Surrogate	Result	%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	316	*63.9%*	*30-90*	"	"	"
Pyrene-d10	389	*78.6%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	454	*92.6%*	*60-120*	"	"	"
Fluoranthene-d10	396	*80.8%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

FBP-BHP-2 (2105001-12) **Matrix: Wipe** **Sampled: May-03-21 11:22** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	(LCS RPD), (LCS), J, L	71.0	250	ng/Wipe	1	B21E006	May-04-21	May-27-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), J	8.00	250	"	"	"	"	"
Acenaphthene	**U**		15.0	250	"	"	"	"	"
Fluorene	**U**		16.0	250	"	"	"	"	"
Phenanthrene	**U**	(LCS), J	70.0	250	"	"	"	"	"
Anthracene	**U**	(LCS), J	8.00	50.0	"	"	"	"	"
Fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**U**		11.0	50.0	"	"	"	"	"
Chrysene	**U**		10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**U**		7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**U**		11.0	50.0	"	"	"	"	"
Perylene	**U**		12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**U**		10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**		7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**U**		12.0	50.0	"	"	"	"	"

Surrogate	Result	%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	284	*57.4%*	*30-90*	"	"	"
Pyrene-d10	390	*78.8%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	456	*93.1%*	*60-120*	"	"	"
Fluoranthene-d10	407	*83.1%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

FBP-PTG-2 (2105001-13) **Matrix: Wipe** **Sampled: May-03-21 12:28** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	(LCS RPD), (LCS), J, L	71.0	250	ng/Wipe	1	B21E006	May-04-21	May-27-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), J, L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), J	8.00	250	"	"	"	"	"
Acenaphthene	**U**		15.0	250	"	"	"	"	"
Fluorene	**U**		16.0	250	"	"	"	"	"
Phenanthrene	**U**	(LCS), J	70.0	250	"	"	"	"	"
Anthracene	**U**	(LCS), J	8.00	50.0	"	"	"	"	"
Fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**U**		11.0	50.0	"	"	"	"	"
Chrysene	**U**		10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**U**		10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**U**		7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**U**		12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**U**		11.0	50.0	"	"	"	"	"
Perylene	**U**		12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**U**		10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**		7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**U**		12.0	50.0	"	"	"	"	"

Surrogate	Result	%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	290	*58.6%*	*30-90*	"	"	"
Pyrene-d10	377	*76.2%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	449	*91.5%*	*60-120*	"	"	"
Fluoranthene-d10	398	*81.2%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

BLK-P-1 (2105001-14) **Matrix: Wipe** **Sampled: May-03-21 00:00** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	U	(LCS RPD), (LCS), J, L	71.0	250	ng/Wipe	1	B21E006	May-04-21	May-27-21
2-Methylnaphthalene	U	(LCS RPD), (LCS), J, L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	U	(LCS RPD), (LCS), J, L	43.0	250	"	"	"	"	"
Acenaphthylene	U	(LCS RPD), J	8.00	250	"	"	"	"	"
Acenaphthene	U		15.0	250	"	"	"	"	"
Fluorene	U		16.0	250	"	"	"	"	"
Phenanthrene	U	(LCS), J	70.0	250	"	"	"	"	"
Anthracene	U	(LCS), J	8.00	50.0	"	"	"	"	"
Fluoranthene	U		10.0	50.0	"	"	"	"	"
Pyrene	U		12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	U		11.0	50.0	"	"	"	"	"
Chrysene	U		10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	U		10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	U		7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	U		12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	U		11.0	50.0	"	"	"	"	"
Perylene	U		12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	U		10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	U		7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	U		12.0	50.0	"	"	"	"	"

Surrogate	Result	%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	303	*61.2%*	*30-90*	"	"	"
Pyrene-d10	332	*67.0%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	379	*77.3%*	*60-120*	"	"	"
Fluoranthene-d10	338	*68.8%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

BHP-P2-1 (2105001-15) **Matrix: Wipe** **Sampled: May-03-21 11:26** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
2-Methylnaphthalene	**338**	(LCS RPD), (LCS), (SURR), L	59.0	250	ng/Wipe	1	B21E006	May-04-21	Jun-08-21
1-Methylnaphthalene	**224**	(LCS RPD), (LCS), (SURR), L, J	43.0	250	"	"	"	"	"
Acenaphthylene	**57.6**	(LCS RPD), (SURR), L, J	8.00	250	"	"	"	"	"
Acenaphthene	**349**	L, (SURR)	15.0	250	"	"	"	"	"
Anthracene	**388**	(LCS), (SURR), L	8.00	50.0	"	"	"	"	"
Benzo (a) anthracene	**285**	(SURR), L	11.0	50.0	"	"	"	"	"
Chrysene	**417**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**372**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**109**	(RES), (SURR), L	7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**166**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**186**	(SURR), L	11.0	50.0	"	"	"	"	"
Perylene	**28.9**	(SURR), L, J	12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**137**	(SURR), L	10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**30.4**	(SURR), L, J	7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**130**	(SURR), L	12.0	50.0	"	"	"	"	"

Surrogate	Result		%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	321		*64.8%*	*30-90*	"	"	"
Pyrene-d10	301		*60.8%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	22.9	Q	*4.68%*	*60-120*	"	"	"
Fluoranthene-d10	4.34	Q	*0.885%*	*60-120*	"	"	"

BHP-P2-1 (2105001-15RE1) **Matrix: Wipe** **Sampled: May-03-21 11:26** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**1890**	(LCS RPD), (LCS), (SURR), L, J	710	2500	ng/Wipe	10	B21E006	May-04-21	Jun-04-21
Fluorene	**2570**	(SURR), L	160	2500	"	"	"	"	"
Phenanthrene	**7740**	(LCS), (SURR), L	700	2500	"	"	"	"	"
Fluoranthene	**3740**	(SURR), L	100	500	"	"	"	"	"
Pyrene	**2170**	(SURR), L	120	500	"	"	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

PTG-P2-1 (2105001-16) **Matrix: Wipe** **Sampled: May-03-21 12:34** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	(LCS RPD), (LCS), (SURR), L	71.0	250	ng/Wipe	1	B21E006	May-04-21	Jun-04-21
2-Methylnaphthalene	**U**	(SURR), L, (LCS RPD), (LCS)	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), (SURR), L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), (SURR), L	8.00	250	"	"	"	"	"
Acenaphthene	**45.3**	(SURR), L, J	15.0	250	"	"	"	"	"
Fluorene	**208**	(SURR), L, J	16.0	250	"	"	"	"	"
Phenanthrene	**570**	(LCS), (SURR), L	70.0	250	"	"	"	"	"
Anthracene	**21.6**	(LCS), (SURR), L, J	8.00	50.0	"	"	"	"	"
Fluoranthene	**217**	(SURR), L	10.0	50.0	"	"	"	"	"
Pyrene	**96.4**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**17.4**	(SURR), L, J	11.0	50.0	"	"	"	"	"
Chrysene	**28.2**	(RES), (SURR), L, J	10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**31.2**	(RES), (SURR), L, J	10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**8.83**	(RES), (SURR), L, J	7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**16.2**	(SURR), L, J	12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**11.2**	(SURR), L, J	11.0	50.0	"	"	"	"	"
Perylene	**U**	(SURR), L	12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**15.0**	(SURR), L, J	10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**	(SURR), L	7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**12.5**	(SURR), L, J	12.0	50.0	"	"	"	"	"

Surrogate	Result		%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	270		*54.5%*	*30-90*	"	"	"
Pyrene-d10	248	Q	*50.2%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	35.1	Q	*7.15%*	*60-120*	"	"	"
Fluoranthene-d10	298		*60.8%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

XAC-P1-1 (2105001-17) **Matrix: Wipe** **Sampled: May-03-21 13:14** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	(LCS RPD), (LCS), (SURR), L	71.0	250	ng/Wipe	1	B21E006	May-04-21	Jun-04-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), (SURR), L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), (SURR), L	43.0	250	"	"	"	"	"
Acenaphthylene	**U**	(LCS RPD), (SURR), L	8.00	250	"	"	"	"	"
Acenaphthene	**47.0**	(SURR), L, J	15.0	250	"	"	"	"	"
Fluorene	**220**	(SURR), L, J	16.0	250	"	"	"	"	"
Phenanthrene	**660**	(LCS), L	70.0	250	"	"	"	"	"
Anthracene	**27.5**	(LCS), L, J	8.00	50.0	"	"	"	"	"
Fluoranthene	**278**	(SURR), L	10.0	50.0	"	"	"	"	"
Pyrene	**124**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**22.4**	(SURR), L, J	11.0	50.0	"	"	"	"	"
Chrysene	**38.1**	(SURR), L, (RES), J	10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**42.4**	(RES), (SURR), L, J	10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**12.1**	(RES), (SURR), L, J	7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**21.4**	L, (SURR), J	12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**17.3**	(SURR), L, J	11.0	50.0	"	"	"	"	"
Perylene	**U**	(SURR), L	12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**20.7**	(SURR), L, J	10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**	(SURR), L	7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**15.6**	(SURR), L, J	12.0	50.0	"	"	"	"	"

Surrogate	Result		%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	293		*59.2%*	*30-90*	"	"	"
Pyrene-d10	277	Q	*55.9%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	59.8	Q	*12.2%*	*60-120*	"	"	"
Fluoranthene-d10	321		*65.5%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

PTG-P1-1 (2105001-18) **Matrix: Wipe** **Sampled: May-03-21 12:25** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
2-Methylnaphthalene	**366**	(LCS RPD), (LCS), (SURR), L	59.0	250	ng/Wipe	1	B21E006	May-04-21	Jun-08-21
1-Methylnaphthalene	**245**	(LCS RPD), (LCS), (SURR), L, J	43.0	250	"	"	"	"	"
Acenaphthylene	**92.5**	(LCS RPD), (SURR), L, J	8.00	250	"	"	"	"	"
Acenaphthene	**364**	(SURR), L	15.0	250	"	"	"	"	"
Anthracene	**552**	L, (LCS), (SURR)	8.00	50.0	"	"	"	"	"
Benzo (a) anthracene	**415**	(SURR), L	11.0	50.0	"	"	"	"	"
Chrysene	**331**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**12.6**	(RES), (SURR), L, J	10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**154**	L, (RES), (SURR)	7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**230**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**169**	(SURR), L	11.0	50.0	"	"	"	"	"
Perylene	**41.3**	(SURR), L, J	12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**200**	(SURR), L	10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**45.2**	(SURR), L, J	7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**175**	(SURR), L	12.0	50.0	"	"	"	"	"

Surrogate	Result		%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	345		*69.6%*	*30-90*	"	"	"
Pyrene-d10	325		*65.6%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	21.2	Q	*4.33%*	*60-120*	"	"	"
Fluoranthene-d10	366		*74.8%*	*60-120*	"	"	"

PTG-P1-1 (2105001-18RE1) **Matrix: Wipe** **Sampled: May-03-21 12:25** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**2160**	(LCS RPD), (LCS), (SURR), L	355	1250	ng/Wipe	5	B21E006	May-04-21	Jun-04-21
Fluorene	**3010**	L, (SURR)	80.0	1250	"	"	"	"	"
Fluoranthene	**5400**	(SURR), L	50.0	250	"	"	"	"	"
Pyrene	**3070**	(SURR), L	60.0	250	"	"	"	"	"

Environmental Protection Agency Region 5

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

PTG-P1-1 (2105001-18RE2) **Matrix: Wipe** **Sampled: May-03-21 12:25** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Phenanthrene	**11300**	(LCS), (SURR), L	1400	5000	ng/Wipe	20	B21E006	May-04-21	Jun-08-21

BHP-P1-1 (2105001-19) **Matrix: Wipe** **Sampled: May-03-21 11:20** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Naphthalene	**U**	(LCS RPD), (LCS), (SURR), L	71.0	250	ng/Wipe	1	B21E006	May-04-21	Jun-04-21
2-Methylnaphthalene	**U**	(LCS RPD), (LCS), (SURR), L	59.0	250	"	"	"	"	"
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), (SURR), L	43.0	250	"	"	"	"	"
Acenaphthylene	**9.09**	(LCS RPD), (SURR), L, J	8.00	250	"	"	"	"	"
Acenaphthene	**72.3**	(SURR), L, J	15.0	250	"	"	"	"	"
Fluorene	**302**	L, (SURR)	16.0	250	"	"	"	"	"
Anthracene	**75.4**	(LCS), L	8.00	50.0	"	"	"	"	"
Fluoranthene	**895**	(SURR), L	10.0	50.0	"	"	"	"	"
Pyrene	**434**	(SURR), L	12.0	50.0	"	"	"	"	"
Benzo (a) anthracene	**76.5**	(SURR), L	11.0	50.0	"	"	"	"	"
Chrysene	**105**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(b)fluoranthene	**93.3**	(RES), (SURR), L	10.0	50.0	"	"	"	"	"
Benzo(k)fluoranthene	**27.4**	(RES), (SURR), L, J	7.00	50.0	"	"	"	"	"
Benzo (e) pyrene	**40.3**	(SURR), L, J	12.0	50.0	"	"	"	"	"
Benzo(a)pyrene	**20.3**	(SURR), L, J	11.0	50.0	"	"	"	"	"
Perylene	**U**	(SURR), L	12.0	50.0	"	"	"	"	"
Indeno(1,2,3-cd)pyrene	**30.5**	(SURR), L, J	10.0	50.0	"	"	"	"	"
Dibenz(a,h)anthracene	**U**	(SURR), L	7.00	50.0	"	"	"	"	"
Benzo(g,h,i)perylene	**20.8**	(SURR), L, J	12.0	50.0	"	"	"	"	"

Surrogate	Result		%REC	%REC Limits	Batch	Prepared	Analyzed
Fluorene-d10	322		*65.1%*	*30-90*	"	"	"
Pyrene-d10	273	Q	*55.1%*	*60-120*	"	"	"
Benzo(a)pyrene-d12	14.7	Q	*3.00%*	*60-120*	"	"	"
Fluoranthene-d10	262	Q	*53.5%*	*60-120*	"	"	"

Environmental Protection Agency Region 5

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77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified)

US EPA Region 5 LSASD Analytical Services Branch

BHP-P1-1 (2105001-19RE1) **Matrix: Wipe** **Sampled: May-03-21 11:20** **Received: May-03-21 17:40**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed
Phenanthrene	**1380**	(SURR), L, (LCS)	140	500	ng/Wipe	2	B21E006	May-04-21	Jun-04-21

Environmental Protection Agency Region 5

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified) - Quality Control

US EPA Region 5 LSASD Analytical Services Branch

Batch B21E006 - *** DEFAULT PREP ***

Blank (B21E006-BLK1) **Prepared: May-04-21 Analyzed: May-27-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Naphthalene	U		71.0	250	ng/Wipe						
2-Methylnaphthalene	U		59.0	250	"						
1-Methylnaphthalene	U		43.0	250	"						
Acenaphthylene	U		8.00	250	"						
Acenaphthene	U		15.0	250	"						
Fluorene	U		16.0	250	"						
Phenanthrene	U		70.0	250	"						
Anthracene	U		8.00	50.0	"						
Fluoranthene	U		10.0	50.0	"						
Pyrene	U		12.0	50.0	"						
Benzo (a) anthracene	U		11.0	50.0	"						
Chrysene	U		10.0	50.0	"						
Benzo(b)fluoranthene	U		10.0	50.0	"						
Benzo(k)fluoranthene	U		7.00	50.0	"						
Benzo (e) pyrene	U		12.0	50.0	"						
Benzo(a)pyrene	U		11.0	50.0	"						
Perylene	U		12.0	50.0	"						
Indeno(1,2,3-cd)pyrene	U		10.0	50.0	"						
Dibenz(a,h)anthracene	U		7.00	50.0	"						
Benzo(g,h,i)perylene	U		12.0	50.0	"						
Surrogate: Fluorene-d10	*353*				*"*	*495.0*		*71.2%*	*30-90*		
Surrogate: Pyrene-d10	*411*				*"*	*495.0*		*83.1%*	*60-120*		
Surrogate: Benzo(a)pyrene-d12	*469*				*"*	*490.2*		*95.6%*	*60-120*		
Surrogate: Fluoranthene-d10	*409*				*"*	*490.2*		*83.3%*	*60-120*		

Blank (B21E006-BLK2) **Prepared: May-04-21 Analyzed: Jun-04-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Naphthalene	U		71.0	250	ng/Wipe						
2-Methylnaphthalene	U		59.0	250	"						
1-Methylnaphthalene	U		43.0	250	"						
Acenaphthylene	U		8.00	250	"						

Environmental Protection Agency Region 5

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified) - Quality Control

US EPA Region 5 LSASD Analytical Services Branch

Batch B21E006 - *** DEFAULT PREP ***

Blank (B21E006-BLK2) **Prepared: May-04-21 Analyzed: Jun-04-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Acenaphthene	U		15.0	250	ng/Wipe						
Fluorene	U		16.0	250	"						
Phenanthrene	U		70.0	250	"						
Anthracene	U		8.00	50.0	"						
Fluoranthene	U		10.0	50.0	"						
Pyrene	U		12.0	50.0	"						
Benzo (a) anthracene	U		11.0	50.0	"						
Chrysene	U		10.0	50.0	"						
Benzo(b)fluoranthene	U		10.0	50.0	"						
Benzo(k)fluoranthene	U		7.00	50.0	"						
Benzo (e) pyrene	U		12.0	50.0	"						
Benzo(a)pyrene	U		11.0	50.0	"						
Perylene	U		12.0	50.0	"						
Indeno(1,2,3-cd)pyrene	U		10.0	50.0	"						
Dibenz(a,h)anthracene	U		7.00	50.0	"						
Benzo(g,h,i)perylene	U		12.0	50.0	"						
Surrogate: Fluorene-d10	*0.590*				*"*				*30-90*		
Surrogate: Pyrene-d10	*0.00*				*"*				*60-120*		
Surrogate: Benzo(a)pyrene-d12	*0.00*				*"*				*60-120*		
Surrogate: Fluoranthene-d10	*0.00*				*"*				*60-120*		

Blank (B21E006-BLK3) **Prepared: May-04-21 Analyzed: Jun-04-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Naphthalene	U		71.0	250	ng/Wipe						
2-Methylnaphthalene	U		59.0	250	"						
1-Methylnaphthalene	U		43.0	250	"						
Acenaphthylene	U		8.00	250	"						
Acenaphthene	U		15.0	250	"						
Fluorene	U		16.0	250	"						
Phenanthrene	U		70.0	250	"						
Anthracene	U		8.00	50.0	"						
Fluoranthene	U		10.0	50.0	"						

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified) - Quality Control

US EPA Region 5 LSASD Analytical Services Branch

Batch B21E006 - *** DEFAULT PREP ***

Blank (B21E006-BLK3) **Prepared: May-04-21 Analyzed: Jun-04-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Pyrene	U		12.0	50.0	ng/Wipe						
Benzo (a) anthracene	U		11.0	50.0	"						
Chrysene	U		10.0	50.0	"						
Benzo(b)fluoranthene	U		10.0	50.0	"						
Benzo(k)fluoranthene	U		7.00	50.0	"						
Benzo (e) pyrene	U		12.0	50.0	"						
Benzo(a)pyrene	U		11.0	50.0	"						
Perylene	U		12.0	50.0	"						
Indeno(1,2,3-cd)pyrene	U		10.0	50.0	"						
Dibenz(a,h)anthracene	U		7.00	50.0	"						
Benzo(g,h,i)perylene	U		12.0	50.0	"						
Surrogate: Fluorene-d10	*0.790*				*"*				*30-90*		
Surrogate: Pyrene-d10	*0.00*				*"*				*60-120*		
Surrogate: Benzo(a)pyrene-d12	*0.00*				*"*				*60-120*		
Surrogate: Fluoranthene-d10	*0.00*				*"*				*60-120*		

LCS (B21E006-BS1) **Prepared: May-04-21 Analyzed: May-27-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Naphthalene	**59.2**	Q	15.0	15.0	ng/Wipe	250.0		23.7%	30-90		
2-Methylnaphthalene	**59.6**	Q	15.0	15.0	"	250.0		23.8%	30-90		
1-Methylnaphthalene	**63.7**	Q	15.0	15.0	"	250.0		25.5%	30-90		
Acenaphthylene	**75.5**		15.0	15.0	"	250.0		30.2%	30-90		
Acenaphthene	**78.1**		15.0	15.0	"	250.0		31.2%	30-90		
Fluorene	**96.9**		15.0	15.0	"	250.0		38.8%	30-90		
Phenanthrene	**125**	Q	25.0	25.0	"	250.0		49.9%	60-120		
Anthracene	**135**	Q	8.00	50.0	"	250.0		53.9%	60-120		
Fluoranthene	**160**		10.0	50.0	"	250.0		63.9%	60-120		
Pyrene	**158**		12.0	50.0	"	250.0		63.1%	60-120		
Benzo (a) anthracene	**184**		11.0	50.0	"	250.0		73.6%	60-120		
Chrysene	**161**		10.0	50.0	"	250.0		64.4%	60-120		
Benzo(b)fluoranthene	**206**		10.0	50.0	"	250.0		82.3%	60-120		
Benzo(k)fluoranthene	**197**		7.00	50.0	"	250.0		78.8%	60-120		

Environmental Protection Agency Region 5

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified) - Quality Control
US EPA Region 5 LSASD Analytical Services Branch

Batch B21E006 - *** DEFAULT PREP ***

LCS (B21E006-BS1) **Prepared: May-04-21 Analyzed: May-27-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Benzo (e) pyrene	**205**		12.0	50.0	ng/Wipe	250.0		81.8%	60-120		
Benzo(a)pyrene	**198**		11.0	50.0	"	250.0		79.1%	60-120		
Perylene	**167**		12.0	50.0	"	250.0		66.9%	60-120		
Indeno(1,2,3-cd)pyrene	**218**		10.0	50.0	"	250.0		87.4%	60-120		
Dibenz(a,h)anthracene	**238**		7.00	50.0	"	250.0		95.2%	60-120		
Benzo(g,h,i)perylene	**199**		12.0	50.0	"	250.0		79.6%	60-120		
Surrogate: Fluorene-d10	*208*				*"*	*495.0*		*42.0%*	*30-90*		
Surrogate: Pyrene-d10	*352*				*"*	*495.0*		*71.1%*	*60-120*		
Surrogate: Benzo(a)pyrene-d12	*432*				*"*	*490.2*		*88.1%*	*60-120*		
Surrogate: Fluoranthene-d10	*357*				*"*	*490.2*		*72.8%*	*60-120*		

LCS Dup (B21E006-BSD1) **Prepared: May-04-21 Analyzed: May-27-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Naphthalene	**84.2**	Q	15.0	15.0	ng/Wipe	250.0		33.7%	30-90	34.8	30
2-Methylnaphthalene	**86.7**	Q	15.0	15.0	"	250.0		34.7%	30-90	37.0	30
1-Methylnaphthalene	**91.3**	Q	15.0	15.0	"	250.0		36.5%	30-90	35.5	30
Acenaphthylene	**105**	Q	15.0	15.0	"	250.0		42.1%	30-90	32.9	30
Acenaphthene	**105**		15.0	15.0	"	250.0		41.8%	30-90	28.9	30
Fluorene	**130**		15.0	15.0	"	250.0		51.9%	30-90	28.9	30
Phenanthrene	**150**		25.0	25.0	"	250.0		60.1%	60-120	18.6	30
Anthracene	**163**		8.00	50.0	"	250.0		65.1%	60-120	18.8	30
Fluoranthene	**176**		10.0	50.0	"	250.0		70.4%	60-120	9.62	30
Pyrene	**165**		12.0	50.0	"	250.0		65.9%	60-120	4.27	30
Benzo (a) anthracene	**190**		11.0	50.0	"	250.0		76.1%	60-120	3.43	30
Chrysene	**166**		10.0	50.0	"	250.0		66.3%	60-120	2.79	30
Benzo(b)fluoranthene	**213**		10.0	50.0	"	250.0		85.2%	60-120	3.40	30
Benzo(k)fluoranthene	**204**		7.00	50.0	"	250.0		81.8%	60-120	3.71	30
Benzo (e) pyrene	**209**		12.0	50.0	"	250.0		83.6%	60-120	2.12	30
Benzo(a)pyrene	**204**		11.0	50.0	"	250.0		81.7%	60-120	3.19	30
Perylene	**173**		12.0	50.0	"	250.0		69.0%	60-120	3.13	30
Indeno(1,2,3-cd)pyrene	**228**		10.0	50.0	"	250.0		91.1%	60-120	4.23	30
Dibenz(a,h)anthracene	**250**		7.00	50.0	"	250.0		100%	60-120	4.99	30

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified) - Quality Control

US EPA Region 5 LSASD Analytical Services Branch

Batch B21E006 - *** DEFAULT PREP ***

LCS Dup (B21E006-BSD1) **Prepared: May-04-21 Analyzed: May-27-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Benzo(g,h,i)perylene	**205**		12.0	50.0	ng/Wipe	250.0		82.1%	60-120	3.02	30
Surrogate: Fluorene-d10	*273*				*"*	*495.0*		*55.1%*	*30-90*		
Surrogate: Pyrene-d10	*361*				*"*	*495.0*		*72.9%*	*60-120*		
Surrogate: Benzo(a)pyrene-d12	*423*				*"*	*490.2*		*86.4%*	*60-120*		
Surrogate: Fluoranthene-d10	*383*				*"*	*490.2*		*78.2%*	*60-120*		

Duplicate (B21E006-DUP1) **Source: 2105001-04** **Prepared: May-04-21 Analyzed: May-27-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Naphthalene	**105**	(LCS), (SURR), L, J	71.0	250	ng/Wipe		106			1.10	200
2-Methylnaphthalene	**U**	(LCS), (SURR), L	59.0	250	"		U				200
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), (SURR), J, L	43.0	250	"		U				200
Acenaphthylene	**U**	(SURR), L	8.00	250	"		U				200
Acenaphthene	**81.6**	(SURR), L, J	15.0	250	"		83.3			2.07	200
Fluorene	**425**	(SURR), L	16.0	250	"		435			2.43	200
Phenanthrene	**1220**	(LCS), (SURR), L	70.0	250	"		1230			1.09	200
Anthracene	**94.0**	(LCS), (SURR), L	8.00	50.0	"		92.8			1.32	200
Fluoranthene	**666**	L, (SURR)	10.0	50.0	"		669			0.381	200
Pyrene	**361**	L, (SURR)	12.0	50.0	"		361			0.0360	200
Benzo (a) anthracene	**U**	(SURR), L	11.0	50.0	"		U				200
Chrysene	**65.0**	(RES), (SURR), L	10.0	50.0	"		64.4			1.00	200
Benzo(b)fluoranthene	**54.3**	(SURR), L	10.0	50.0	"		55.0			1.35	200
Benzo(k)fluoranthene	**18.1**	(SURR), L, J	7.00	50.0	"		18.0			0.555	200
Benzo (e) pyrene	**U**	(SURR), L	12.0	50.0	"		U				200
Benzo(a)pyrene	**18.1**	(SURR), L, J	11.0	50.0	"		18.1			0.0553	200
Perylene	**U**	(SURR), L	12.0	50.0	"		U				200
Indeno(1,2,3-cd)pyrene	**25.8**	(SURR), L, J	10.0	50.0	"		26.3			1.77	200
Dibenz(a,h)anthracene	**7.94**	(SURR), L, J	7.00	50.0	"		8.05			1.38	200
Benzo(g,h,i)perylene	**20.7**	(SURR), L, J	12.0	50.0	"		21.4			3.23	200
Surrogate: Fluorene-d10	*236*				*"*	*495.0*		*47.6%*	*30-90*		

Environmental Protection Agency Region 5

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified) - Quality Control

US EPA Region 5 LSASD Analytical Services Branch

Batch B21E006 - *** DEFAULT PREP ***

Duplicate (B21E006-DUP1) **Source: 2105001-04** **Prepared: May-04-21 Analyzed: May-27-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Pyrene-d10	*213*	Q			*ng/Wipe*	*495.0*		*42.9%*	*60-120*		
Surrogate: Benzo(a)pyrene-d12	*87.8*	Q			*"*	*490.2*		*17.9%*	*60-120*		
Surrogate: Fluoranthene-d10	*203*	Q			*"*	*490.2*		*41.4%*	*60-120*		

Duplicate (B21E006-DUP2) **Source: 2105001-01** **Prepared: May-04-21 Analyzed: Jun-04-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Naphthalene	**U**	(LCS), (SURR), L	71.0	250	ng/Wipe		U				200
2-Methylnaphthalene	**U**	(LCS), (SURR), L	59.0	250	"		U				200
1-Methylnaphthalene	**U**	(LCS RPD), (LCS), (SURR), L	43.0	250	"		U				200
Acenaphthylene	**U**	(SURR), L	8.00	250	"		U				200
Acenaphthene	**111**	(SURR), L, J	15.0	250	"		113			1.75	200
Fluorene	**204**	(SURR), L, J	16.0	250	"		212			4.06	200
Phenanthrene	**635**	(LCS), (SURR), L	70.0	250	"		642			1.10	200
Anthracene	**16.8**	(LCS), (SURR), L, J	8.00	50.0	"		16.8			0.357	200
Fluoranthene	**380**	(SURR), L	10.0	50.0	"		381			0.131	200
Pyrene	**195**	(SURR), L	12.0	50.0	"		197			0.693	200
Benzo (a) anthracene	**34.4**	(SURR), L, J	11.0	50.0	"		32.2			6.34	200
Chrysene	**75.3**	(SURR), L, (RES)	10.0	50.0	"		75.4			0.133	200
Benzo(b)fluoranthene	**122**	(SURR), L	10.0	50.0	"		127			3.42	200
Benzo(k)fluoranthene	**38.4**	(SURR), L, J	7.00	50.0	"		42.6			10.3	200
Benzo (e) pyrene	**60.0**	(SURR), L	12.0	50.0	"		64.0			6.47	200
Benzo(a)pyrene	**49.1**	(SURR), L, J	11.0	50.0	"		49.1			0.0204	200
Perylene	**U**	L, (SURR)	12.0	50.0	"		U				200
Indeno(1,2,3-cd)pyrene	**64.8**	(SURR), L	10.0	50.0	"		69.1			6.36	200
Dibenz(a,h)anthracene	**14.7**	(SURR), L, J	7.00	50.0	"		15.6			6.26	200
Benzo(g,h,i)perylene	**53.9**	(SURR), L	12.0	50.0	"		59.7			10.2	200
Surrogate: Fluorene-d10	*256*				*"*	*495.0*		*51.7%*	*30-90*		
Surrogate: Pyrene-d10	*242*	Q			*"*	*495.0*		*49.0%*	*60-120*		
Surrogate: Benzo(a)pyrene-d12	*16.4*	Q			*"*	*490.2*		*3.34%*	*60-120*		

Environmental Protection Agency Region 5

US EPA Region 5 LSASD Analytical Services Branch

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Semivolatiles by GC/MS, EPA 8270D (modified) - Quality Control

US EPA Region 5 LSASD Analytical Services Branch

Batch B21E006 - *** DEFAULT PREP ***

Duplicate (B21E006-DUP2) **Source: 2105001-01** **Prepared: May-04-21 Analyzed: Jun-04-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Surrogate: Fluoranthene-d10	*214*	Q			*ng/Wipe*	*490.2*		*43.7%*	*60-120*		

MRL Check (B21E006-MRL1) **Prepared: May-04-21 Analyzed: May-27-21**

Analyte	Result	Flags / Qualifiers	MDL	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Naphthalene	**43.5**		15.0	15.0	ng/Wipe	50.00		86.9%	30-90		
2-Methylnaphthalene	**33.1**		15.0	15.0	"	50.00		66.1%	30-90		
1-Methylnaphthalene	**29.4**		15.0	15.0	"	50.00		58.8%	30-90		
Acenaphthylene	**24.8**		15.0	15.0	"	50.00		49.7%	30-90		
Acenaphthene	**28.1**		15.0	15.0	"	50.00		56.3%	30-90		
Fluorene	**32.0**		15.0	15.0	"	50.00		64.0%	30-90		
Phenanthrene	**37.0**		25.0	25.0	"	50.00		74.1%	50-150		
Anthracene	**35.4**		8.00	25.0	"	50.00		70.8%	50-150		
Fluoranthene	**40.5**		10.0	25.0	"	50.00		81.0%	50-150		
Pyrene	**38.7**		12.0	25.0	"	50.00		77.4%	50-150		
Benzo (a) anthracene	**41.6**		11.0	25.0	"	50.00		83.2%	50-150		
Chrysene	**35.5**		10.0	25.0	"	50.00		71.1%	50-150		
Benzo(b)fluoranthene	**47.4**		10.0	25.0	"	50.00		94.9%	50-150		
Benzo(k)fluoranthene	**44.4**		7.00	25.0	"	50.00		88.9%	50-150		
Benzo (e) pyrene	**48.3**		12.0	25.0	"	50.00		96.6%	50-150		
Benzo(a)pyrene	**43.2**		11.0	25.0	"	50.00		86.4%	50-150		
Perylene	**36.6**		12.0	25.0	"	50.00		73.1%	50-150		
Indeno(1,2,3-cd)pyrene	**48.3**		10.0	25.0	"	50.00		96.6%	50-150		
Dibenz(a,h)anthracene	**52.7**		7.00	25.0	"	50.00		105%	50-150		
Benzo(g,h,i)perylene	**45.5**		12.0	25.0	"	50.00		90.9%	50-150		
Surrogate: Fluorene-d10	*313*				*"*	*495.0*		*63.2%*	*30-90*		
Surrogate: Pyrene-d10	*406*				*"*	*495.0*		*82.1%*	*60-120*		
Surrogate: Benzo(a)pyrene-d12	*469*				*"*	*490.2*		*95.6%*	*60-120*		
Surrogate: Fluoranthene-d10	*411*				*"*	*490.2*		*83.8%*	*60-120*		

Environmental Protection Agency Region 5

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Air Division, US EPA Region 5	Project: Burns Harbor	
77 West Jackson Boulevard	Project Number: [none]	**Reported:**
Chicago IL, 60605	Project Manager: Kathleen Healy	Aug-02-21 17:58

Notes and Definitions

L	The identification of the analyte is acceptable; the reported value may be biased low. The actual value is expected to be greater than the reported value.
J	The identification of the analyte is acceptable; the reported value is an estimate.
(SURR)	Associated surrogate recovery criteria not met for this analyte
(RES)	Resolution criteria for isomer peaks not met for this analyte.
(LCS)	Blank spike recovery criteria not met for this analyte
(LCS RPD)	Blank spike / blank spike duplicate precision not met for this analyte.
U	Not Detected
NR	Not Reported
Q	QC limit Exceeded

SVOA injection log.		WO: 2105001 Analyst: M Nguyen	Batches: B21E006,	SVOA injection log Batches: B21E006 Instrument: GCMS21		SOP: MS026 rev 7 with P&Is 24358 & 25983.	WO: 11 PUF disks samples		Analyst: Mnguyen		Instrument: GC
								(#1) NAPTHALENE-D8			
hr:min from DFTPP check (≤12 hr)	from midcal or CCV	Acquired	Data File Name	Sample Name Reported = blue fill	Misc Info (notes in parentheses added to	Last Calibration Update	Sample Name Reported = blue fill		ICAL7 or CCV, sec (±10 sec)	Peak area, counts	vs ICAL 7 or CCV (50-
0:00	NA	5/26/2021 11:02	GCMS21_210526_03.D	ICP 50	LIMS 21E12	Mon Jun 28 11:02:00 2021	ICP 50	0	NA	0	NA
0:25	NA	5/26/2021 11:27	GCMS21_210526_04.D	1000PAH SIM	LIMS 21B011	Mon Jun 28 11:02:00 2021	1000PAH SIM	4.3	NA	350766	NA
0:50	NA	5/26/2021 11:52	GCMS21_210526_05.D	1000PAH SIM	LIMS 21B011	Mon Jun 28 11:02:00 2021	1000PAH SIM	4.31	NA	469467	NA
1:15	NA	5/26/2021 12:17	GCMS21_210526_06.D	CAL0	LIMS 21D300	Mon Jun 28 11:02:00 2021	CAL0	4.3	NA	529627	NA
1:58	NA	5/26/2021 13:00	GCMS21_210526_07.D	1000PAH SIM	LIMS 21B011	Mon Jun 28 11:02:00 2021	1000PAH SIM	4.3	NA	503360	NA
2:50	NA	5/26/2021 13:52	GCMS21_210526_08.D	CAL0	LIMS 21D300	Mon Jun 28 11:02:00 2021	CAL0	4.3	-0.60	536419	124%
3:15	NA	5/26/2021 14:17	GCMS21_210526_09.D	CAL 1_1ng/mL	LIMS 21B010	Wed Jun 02 11:53:07 2021	CAL 1_1ng/mL	4.3	-0.60	575328	133%
3:40	NA	5/26/2021 14:42	GCMS21_210526_10.D	CAL 2_5ng/mL	LIMS 21B010	Mon Jun 28 11:02:00 2021	CAL 2_5ng/mL	4.31	0.00	475423	110%
4:05	NA	5/26/2021 15:07	GCMS21_210526_11.D	CAL 3_10ng/mL	LIMS 21B010	Mon Jun 28 11:02:00 2021	CAL 3_10ng/mL	4.31	0.00	456593	105%
4:30	NA	5/26/2021 15:32	GCMS21_210526_12.D	CAL4_25ng/mL	LIMS 21B010	Mon Jun 28 11:02:00 2021	CAL4_25ng/mL	4.3	-0.60	459864	106%
4:55	NA	5/26/2021 15:57	GCMS21_210526_13.D	CAL5_50ng/mL	LIMS 21B010	Mon Jun 28 11:02:00 2021	CAL5_50ng/mL	4.31	0.00	468030	108%
5:20	NA	5/26/2021 16:22	GCMS21_210526_14.D	CAL6_100ng/mL	LIMS 21B010	Mon Jun 28 11:02:00 2021	CAL6_100ng/mL	4.3	-0.60	455389	105%
5:45	**NA**	**5/26/2021 16:47**	**GCMS21_210526_15.D**	**CAL7_250ng/mL**	**LIMS 21B01**	**Mon Jun 28 11:02:00 2021**	**CAL7_250ng/mL**	**4.31**	**0.00**	**433303**	**100%**
6:10	NA	5/26/2021 17:12	GCMS21_210526_16.D	CAL8_500ng/mL	LIMS 21B010	Mon Jun 28 11:02:00 2021	CAL8_500ng/mL	4.31	0.00	448172	103%
6:35	NA	5/26/2021 17:37	GCMS21_210526_17.D	CAL9_750ng/mL	LIMS 21B010	Mon Jun 28 11:02:00 2021	CAL9_750ng/mL	4.31	0.00	468239	108%
7:00	NA	5/26/2021 18:02	GCMS21_210526_18.D	CAL10_1000ng/mL	LIMS 21B011	Mon Jun 28 11:02:00 2021	CAL10_1000ng/mL	4.31	0.00	485584	112%
7:24	NA	5/26/2021 18:26	GCMS21_210526_19.D	CAL0	LIMS 21D300	Mon Jun 28 11:02:00 2021	CAL0	4.3	-0.60	507206	117%
7:49	0	5/26/2021 18:51	GCMS21_210526_20.D	PAH ICV 250ng/mL	LIMS 21C050	Mon Jun 28 11:02:00 2021	PAH ICV 250ng/mL	4.3	-0.60	485103	112%

MS 21																
(#6) ACENAPHTHENE-D10			(#11) PHENANTHRENE-D10						(#16) CHRYSENE-D12				(#21) PERYLENE-D12			
t_r, **min**	**ICAL7 or CCV,**	Peak area, counts	**ICAL 7** or **CCV** (50-200%)	t_r, **min**	**ICAL7 or CCV,** sec (±10	Peak area, counts	Area% vs **ICAL 7** or **CCV**	Sample Name **Reported = blue fill**	t_r, **min**	**ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	**ICAL 7** or **CCV** (50-200%)	t_r, **min**	**ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	**ICAL 7** or **CCV** (50-200%)
0	NA	0	NA	7.65	NA	458	NA	ICP 50	0	NA	0	NA	13.49	NA	841	NA
6.1	NA	194251	NA	7.64	NA	340912	NA	1000PAH SIM	10.88	NA	361746	NA	13.48	NA	401001	NA
0	NA	0	NA	0	NA	0	NA	1000PAH SIM	0	NA	0	NA	0	NA	0	NA
0	NA	0	NA	0	NA	0	NA	CAL0	0	NA	0	NA	0	NA	0	NA
6.1	NA	277788	NA	7.65	NA	519926	NA	1000PAH SIM	10.9	NA	554263	NA	13.5	NA	619359	NA
6.1	0.00	283925	115%	7.65	0.60	551406	118%	CAL0	10.89	0.60	494783	104%	13.5	1.20	473334	95%
6.1	0.00	313468	127%	7.64	0.00	601345	129%	CAL 1_1ng/mL	10.88	0.00	592911	125%	13.48	0.00	596721	119%
6.1	0.00	260409	106%	7.64	0.00	487797	104%	CAL 2_5ng/mL	10.88	0.00	459456	97%	13.48	0.00	426439	85%
6.1	0.00	251690	102%	7.64	0.00	474229	102%	CAL 3_10ng/mL	10.88	0.00	457387	96%	13.48	0.00	429893	86%
6.1	0.00	253646	103%	7.64	0.00	482569	103%	CAL4_25ng/mL	10.88	0.00	461405	97%	13.48	0.00	438380	88%
6.1	0.00	260650	106%	7.64	0.00	489485	105%	CAL5_50ng/mL	10.88	0.00	472860	100%	13.48	0.00	462282	92%
6.1	0.00	254757	104%	7.64	0.00	481101	103%	CAL6_100ng/mL	10.88	0.00	475819	100%	13.48	0.00	469325	94%
6.1	**0.00**	**246141**	**100%**	**7.64**	**0.00**	**466889**	**100%**	**CAL7_250ng/mL**	**10.88**	**0.00**	**474134**	**100%**	**13.48**	**0.00**	**500118**	**100%**
6.1	0.00	256632	104%	7.64	0.00	488337	105%	CAL8_500ng/mL	10.88	0.00	513653	108%	13.48	0.00	551655	110%
6.1	0.00	269118	109%	7.64	0.00	500554	107%	CAL9_750ng/mL	10.88	0.00	535892	113%	13.49	0.60	588262	118%
6.1	0.00	275247	112%	7.64	0.00	517910	111%	CAL10_1000ng/m	10.88	0.00	560859	118%	13.48	0.00	618112	124%
6.1	0.00	279357	113%	7.64	0.00	543928	117%	CAL0	10.88	0.00	487028	103%	13.48	0.00	467844	94%
6.1	0.00	270123	110%	7.64	0.00	514133	110%	PAH ICV 250ng/m	10.88	0.00	527033	111%	13.48	0.00	530238	106%

								(#1) NAPTHALENE-D8			
05.27.21								(#1) NAPTHALENE-D8			
hr:min from DFTPP check (≤12 hr)	hr:min from midcal or CCV (≤12 hr)	Acquired	Data File Name	Sample Name **Reported = blue fill**	Misc Info (notes in parentheses added to injection log)	Last Calibration Update	Sample Name **Reported = blue fill**		Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)
NA	NA	5/27/2021 10:20	GCMS21_210527_01.D	DCM	20b2801		DCM	0	NA	NA	NA
0:00	NA	5/27/2021 10:44	GCMS21_210527_02.D	ICP 50	.IMS 21E123	Mon Jun 28 11:02:00 2021	ICP 50	0	NA	NA	NA
0:25	0:00	5/27/2021 11:09	GCMS21_210527_03.D	CCV1_250	.IMS 21E1012	Mon Jun 28 11:02:00 2021	CCV1_250	4.3	-0.6	515523	119%
0:50	0:25	5/27/2021 11:34	GCMS21_210527_04.D	CAL0	.IMS 21D3002	Mon Jun 28 11:02:00 2021	CAL0	4.3	0	685979	133%
1:15	0:50	5/27/2021 11:59	GCMS21_210527_05.D	B21E006-BLK1	0	Mon Jun 28 11:02:00 2021	B21E006-BLK1	4.3	0	592411	115%
1:40	1:15	5/27/2021 12:24	GCMS21_210527_06.D	B21E006-MRL1	0	Mon Jun 28 11:02:00 2021	B21E006-MRL1	4.3	0	567934	110%
3:51	3:26	5/27/2021 14:35	GCMS21_210527_07.D	B21E006-BS1	0	Mon Jun 28 11:02:00 2021	B21E006-BS1	4.29	-0.6	587410	114%
4:16	3:51	5/27/2021 15:00	GCMS21_210527_08.D	B21E006-BSD1	0	Mon Jun 28 11:02:00 2021	B21E006-BSD1	4.3	0	621863	121%
4:41	4:16	5/27/2021 15:25	GCMS21_210527_09.D	2105001-06	0	Mon Jun 28 11:02:00 2021	2105001-06	4.3	0	613019	119%
5:06	4:41	5/27/2021 15:50	GCMS21_210527_10.D	2105001-07	0	Mon Jun 28 11:02:00 2021	2105001-07	4.3	0	571487	111%
5:31	5:06	5/27/2021 16:15	GCMS21_210527_11.D	2105001-08	0	Mon Jun 28 11:02:00 2021	2105001-08	4.3	0	591996	115%
5:56	5:31	5/27/2021 16:40	GCMS21_210527_12.D	2105001-09	0	Mon Jun 28 11:02:00 2021	2105001-09	4.3	0	577426	112%
6:21	5:56	5/27/2021 17:05	GCMS21_210527_13.D	2105001-10	0	Mon Jun 28 11:02:00 2021	2105001-10	4.3	0	597786	116%
6:46	6:21	5/27/2021 17:30	GCMS21_210527_14.D	2105001-11	0	Mon Jun 28 11:02:00 2021	2105001-11	4.3	0	601071	117%
7:11	6:46	5/27/2021 17:55	GCMS21_210527_15.D	2105001-12	0	Mon Jun 28 11:02:00 2021	2105001-12	4.3	0	582741	113%
7:36	7:11	5/27/2021 18:20	GCMS21_210527_16.D	2105001-13	0	Mon Jun 28 11:02:00 2021	2105001-13	4.3	0	622522	121%
8:01	7:36	5/27/2021 18:45	GCMS21_210527_17.D	2105001-14	0	Mon Jun 28 11:02:00 2021	2105001-14	4.3	0	630657	122%
8:26	8:01	5/27/2021 19:10	GCMS21_210527_18.D	2105001-04	0	Mon Jun 28 11:02:00 2021	2105001-04	4.3	0	563562	109%
8:51	8:26	5/27/2021 19:35	GCMS21_210527_19.D	105001-04_REINJEC	0	Mon Jun 28 11:02:00 2021	105001-04_REINJEC	4.3	0	600575	116%
9:16	8:51	5/27/2021 20:00	GCMS21_210527_20.D	CCV1_250	.IMS 21B0107	Mon Jun 28 11:02:00 2021	CCV1_250	4.3	-0.6	606146	140%

(#6) ACENAPHTHENE-D10				(#11) PHENANTHRENE-D10					(#16) CHRYSENE-D12				(#21) PERYLENE-D12			
(#6) ACENAPHTHENE-D10				(#11) PHENANTHRENE-D10					(#16) CHRYSENE-D12				(#21) PERYLENE-D12			
t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)	t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV**	Sample Name **Reported = blue fill**	t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)	t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)
NA	NA	NA	NA	NA	NA	NA	NA	DCM	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	ICP 50	NA	NA	NA	NA	NA	NA	NA	NA
6.1	0	292187	119%	7.64	0	569815	122%	CCV1_250	10.88	0	577974	122%	13.48	0	612305	122%
6.1	0	379909	130%	7.64	0	742486	130%	CAL0	10.88	0	677023	117%	13.48	0	654365	107%
6.1	0	356894	122%	7.64	0	701548	123%	B21E006-BLK1	10.88	0	714504	124%	13.48	0	658319	108%
6.1	0	333555	114%	7.64	0	651805	114%	B21E006-MRL1	10.88	0	671403	116%	13.48	0	633510	103%
6.1	0	336286	115%	7.65	0.6	658736	116%	B21E006-BS1	10.89	0.6	670739	116%	13.5	1.2	668701	109%
6.1	0	361178	124%	7.64	0	715975	126%	B21E006-BSD1	10.88	0	761121	132%	13.48	0	742551	121%
6.1	0	354630	121%	7.64	0	704476	124%	2105001-06	10.88	0	743735	129%	13.48	0	694394	113%
6.1	0	330732	113%	7.64	0	669745	118%	2105001-07	10.88	0	715493	124%	13.48	0	675679	110%
6.1	0	346569	119%	7.64	0	696786	122%	2105001-08	10.88	0	721996	125%	13.48	0	666691	109%
6.1	0	336026	115%	7.64	0	677352	119%	2105001-09	10.88	0	714597	124%	13.48	0	690339	113%
6.1	0	346263	119%	7.64	0	694580	122%	2105001-10	10.88	0	726963	126%	13.48	0	664749	109%
6.1	0	347751	119%	7.64	0	699509	123%	2105001-11	10.88	0	732435	127%	13.48	0	683606	112%
6.1	0	337577	116%	7.64	0	685334	120%	2105001-12	10.88	0	720015	125%	13.48	0	689511	113%
6.1	0	360622	123%	7.64	0	729785	128%	2105001-13	10.88	0	768189	133%	13.48	0	759069	124%
6.1	0	365947	125%	7.64	0	744541	131%	2105001-14	10.88	0	778046	135%	13.48	0	727236	119%
6.1	0	337575	116%	7.64	0	722216	127%	2105001-04	10.89	0.6	753369	130%	13.49	0.6	766802	125%
6.1	0	363414	124%	7.64	0	772487	136%	05001-04_REINJE	10.89	0.6	807027	140%	13.49	0.6	840151	137%
6.1	0	347967	141%	7.64	0	692454	148%	CCV1_250	10.88	0	721248	152%	13.49	0.6	833448	167%

								(#1) NAPTHALENE-D8			
06.04.21								(#13) NAPTHALENE-D8			
								(#1) NAPTHALENE-D8			
hr:min from DFTPP check (≤12 hr)	hr:min from midcal or CCV (≤12 hr)	Acquired	Data File Name	Sample Name **Reported = blue fill**	Misc Info (notes in parentheses added to injection log)	Last Calibration Update	Sample Name **Reported = blue fill**		Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)
NA	NA	6/4/2021 8:40	GCMS21_210604_01.D	DCM	20b2801		DCM	0	NA	NA	NA
0:00	NA	6/4/2021 9:05	GCMS21_210604_02.D	ICP 50	0	Mon Jun 28 11:02:00 2021	ICP 50	0	NA	NA	NA
0:25	0:00	6/4/2021 9:30	GCMS21_210604_03.D	CCV1_250	LIMS 21E101	Mon Jun 28 11:02:00 2021	CCV1_250	4.29	-1.20	575675	133%
0:50	0:25	6/4/2021 9:55	GCMS21_210604_04.D	CAL0	LIMS 21D30(	Mon Jun 28 11:02:00 2021	CAL0	4.29	0.00	418502	73%
1:14	0:49	6/4/2021 10:19	GCMS21_210604_05.D	2105001-01	0	Mon Jun 28 11:02:00 2021	2105001-01	4.29	0.00	487808	85%
1:39	1:14	6/4/2021 10:44	GCMS21_210604_06.D	2105001-01_reinjec	0	Mon Jun 28 11:02:00 2021	2105001-01_reinject	4.29	0.00	507329	88%
2:04	1:39	6/4/2021 11:09	GCMS21_210604_07.D	2105001-16	0	Mon Jun 28 11:02:00 2021	2105001-16	4.28	-0.60	498854	87%
2:29	2:04	6/4/2021 11:34	GCMS21_210604_08.D	2105001-18RE1	100µL+500µL	Mon Jun 28 11:02:00 2021	2105001-18RE1	4.29	0.00	473165	82%
2:54	2:29	6/4/2021 11:59	GCMS21_210604_09.D	2105001-17	0	Mon Jun 28 11:02:00 2021	2105001-17	4.28	-0.60	475557	83%
3:19	2:54	6/4/2021 12:24	GCMS21_210604_10.D	2105001-19RE1	100µL+100µL	Mon Jun 28 11:02:00 2021	2105001-19RE1	4.29	0.00	461017	80%
3:44	3:19	6/4/2021 12:49	GCMS21_210604_11.D	2105001-03RE1	50µL+450µL	Mon Jun 28 11:02:00 2021	2105001-03RE1	4.29	0.00	478351	83%
4:09	3:44	6/4/2021 13:14	GCMS21_210604_12.D	2105001-02RE1	100µL+400µL	Mon Jun 28 11:02:00 2021	2105001-02RE1	4.29	0.00	459207	80%
4:34	4:09	6/4/2021 13:39	GCMS21_210604_13.D	2105001-04RE1	100µL+100µL	Mon Jun 28 11:02:00 2021	2105001-04RE1	4.29	0.00	534148	93%
4:59	4:34	6/4/2021 14:04	GCMS21_210604_14.D	2105001-05RE1	50µL+450µL	Mon Jun 28 11:02:00 2021	2105001-05RE1	4.29	0.00	460588	80%
5:23	4:58	6/4/2021 14:28	GCMS21_210604_15.D	2105001-15RE1	50µL+450µL	Mon Jun 28 11:02:00 2021	2105001-15RE1	4.29	0.00	481992	84%
5:48	5:23	6/4/2021 14:53	GCMS21_210604_16.D	2105001-19	0	Mon Jun 28 11:02:00 2021	2105001-19	4.29	0.00	462151	80%
6:13	5:48	6/4/2021 15:18	GCMS21_210604_17.D	B21E006-BLK2	ASE #2 solve	Mon Jun 28 11:02:00 2021	B21E006-BLK2	4.29	0.00	433350	75%
6:38	6:13	6/4/2021 15:43	GCMS21_210604_18.D	B21E006-BLK3	ASE #2 solve	Mon Jun 28 11:02:00 2021	B21E006-BLK3	4.28	-0.60	428247	74%
7:03	6:38	6/4/2021 16:08	GCMS21_210604_19.D	2105008-01RE1	50µL+450µL	Mon Jun 28 11:02:00 2021	2105008-01RE1	4.29	0.00	456407	79%
7:28	7:03	6/4/2021 16:33	GCMS21_210604_20.D	2105023-01RE2	50µL+950µL	Mon Jun 28 11:02:00 2021	2105023-01RE2	4.29	0.00	431035	75%
7:53	7:28	6/4/2021 16:58	GCMS21_210604_21.D	2105023-02RE1	100µL+300µL	Mon Jun 28 11:02:00 2021	2105023-02RE1	4.29	0.00	611100	106%
8:18	7:53	6/4/2021 17:23	GCMS21_210604_22.D	2105001-01RE2	50µL+950µL	Mon Jun 28 11:02:00 2021	2105001-01RE2	4.29	0.00	497498	86%
8:43	8:18	6/4/2021 17:48	GCMS21_210604_23.D	B21E021-BLK2	ASE #3 solve	Mon Jun 28 11:02:00 2021	B21E021-BLK2	4.28	-0.60	416887	72%
9:08	8:43	6/4/2021 18:13	GCMS21_210604_24.D	B21E021-BLK3	ASE #3 solve	Mon Jun 28 11:02:00 2021	B21E021-BLK3	4.28	-0.60	414300	72%
9:32	9:07	6/4/2021 18:37	GCMS21_210604_25.D	**CCV2_250**	LIMS 21E101	Mon Jun 28 11:02:00 2021	**CCV2_250**	4.29	-1.20	495451	114%
9:57	9:32	6/4/2021 19:02	GCMS21_210604_26.D	CCV2_250	LIMS 21F01(	Mon Jun 28 11:02:00 2021	CCV2_250	4.29	-1.20	544225	126%

(#6) ACENAPHTHENE-D10				(#11) PHENANTHRENE-D10					(#16) CHRYSENE-D12				(#21) PERYLENE-D12			
(#28) ACENAPHTHENE-D10				(#48) PHENANTHRENE-D10					(#59) CHRYSENE-D12				(#67) PERYLENE-D12			
(#6) ACENAPHTHENE-D10				(#11) PHENANTHRENE-D10					(#16) CHRYSENE-D12				(#21) PERYLENE-D12			
t_r, **min**	**ICAL7 or CCV,** sec (±10	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)	t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV**	Sample Name **Reported = blue fill**	t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)	t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)
NA	NA	NA	NA	NA	NA	NA	NA	DCM	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	ICP 50	NA	NA	NA	NA	NA	NA	NA	NA
6.08	-1.20	312596	127%	7.63	-0.60	592485	127%	CCV1_250	10.86	-1.20	586025	124%	13.46	-1.20	677129	135%
6.08	0.00	228389	73%	7.63	0.00	447788	76%	CAL0	10.87	0.60	398405	68%	13.46	0.00	457227	68%
6.08	0.00	293848	94%	7.63	0.00	624762	105%	2105001-01	10.87	0.60	669172	114%	13.48	1.20	525268	78%
6.08	0.00	307203	98%	7.63	0.00	644659	109%	2105001-01_reinje	10.87	0.60	687231	117%	13.48	1.20	568400	84%
6.08	0.00	304541	97%	7.63	0.00	634635	107%	2105001-16	10.87	0.60	684670	117%	13.48	1.20	597135	88%
6.08	0.00	287688	92%	7.63	0.00	606054	102%	2105001-18RE1	10.87	0.60	638470	109%	13.48	1.20	692403	102%
6.09	0.60	291372	93%	7.63	0.00	606150	102%	2105001-17	10.88	1.20	666651	114%	13.48	1.20	616773	91%
6.09	0.60	282194	90%	7.63	0.00	591353	100%	2105001-19RE1	10.88	1.20	639580	109%	13.48	1.20	576851	85%
6.08	0.00	285133	91%	7.63	0.00	594428	100%	2105001-03RE1	10.87	0.60	596476	102%	13.48	1.20	629733	93%
6.08	0.00	276860	89%	7.63	0.00	582913	98%	2105001-02RE1	10.87	0.60	597758	102%	13.48	1.20	615182	91%
6.08	0.00	324185	104%	7.63	0.00	679777	115%	2105001-04RE1	10.87	0.60	703145	120%	13.48	1.20	708083	105%
6.08	0.00	275563	88%	7.63	0.00	575807	97%	2105001-05RE1	10.87	0.60	586038	100%	13.48	1.20	595715	88%
6.08	0.00	287612	92%	7.63	0.00	600222	101%	2105001-15RE1	10.87	0.60	613807	105%	13.48	1.20	631782	93%
6.09	0.60	283018	91%	7.64	0.60	603835	102%	2105001-19	10.89	1.80	650119	111%	13.5	2.40	511772	76%
6.08	0.00	252133	81%	7.64	0.60	511552	86%	B21E006-BLK2	10.88	1.20	494237	84%	13.49	1.80	527200	78%
6.08	0.00	247549	79%	7.63	0.00	497244	84%	B21E006-BLK3	10.87	0.60	476087	81%	13.48	1.20	503172	74%
6.08	0.00	274754	88%	7.63	0.00	593396	100%	2105008-01RE1	10.88	1.20	579519	99%	13.49	1.80	580535	86%
6.08	0.00	253651	81%	7.63	0.00	538996	91%	2105023-01RE2	10.88	1.20	504564	86%	13.49	1.80	521890	77%
6.09	0.60	365133	117%	7.63	0.00	782434	132%	2105023-02RE1	10.88	1.20	750121	128%	13.49	1.80	739659	109%
6.08	0.00	293552	94%	7.64	0.60	622750	105%	2105001-01RE2	10.88	1.20	605293	103%	13.49	1.80	624739	92%
6.08	0.00	231525	74%	7.64	0.60	471272	80%	B21E021-BLK2	10.89	1.80	440401	75%	13.5	2.40	475290	70%
6.08	0.00	234512	75%	7.63	0.00	472531	80%	B21E021-BLK3	10.87	0.60	438343	75%	13.48	1.20	476510	70%
6.08	-1.20	277379	113%	7.64	0.00	569633	122%	**CCV2_250**	10.88	0.00	559142	118%	13.5	1.20	605315	121%
6.08	-1.20	308550	125%	7.64	0.00	625466	134%	CCV2_250	10.89	0.60	603711	127%	13.5	1.20	657956	132%

								(#1) NAPTHALENE-D8			
06.08.21								(#13) NAPTHALENE-D8			
								(#1) NAPTHALENE		t_r, **min**	
hr:min from DFTPP check (≤12 hr)	hr:min from midcal or CCV (≤12 hr)	Acquired	Data File Name	Sample Name **Reported = blue fill**	Misc Info (notes in parentheses added to injection log)	Last Calibration Update	Sample Name **Reported = blue fill**		Dt_r vs **ICAL7 or CCV**, sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)
NA	NA	6/8/2021 8:43	GCMS21_210608_01.D	DCM	20b2801		DCM	0	NA	NA	NA
0:00	NA	6/8/2021 9:08	GCMS21_210608_02.D	ICP 50	LIMS 21E123	Mon Jun 28 11:02:00 2021	ICP 50	0	NA	NA	NA
0:25	**0:00**	6/8/2021 9:33	GCMS21_210608_03.D	CCV1_250	LIMS 21F010	Mon Jun 28 11:02:00 2021	CCV1_250	4.28	-1.80	383426	88%
0:50	**0:25**	6/8/2021 9:58	GCMS21_210608_04.D	CAL0	LIMS 21D300	Mon Jun 28 11:02:00 2021	CAL0	4.28	0.00	378654	99%
1:15	**0:50**	6/8/2021 10:23	GCMS21_210608_05.D	2105001-02	0	Mon Jun 28 11:02:00 2021	2105001-02	4.27	-0.60	409489	107%
1:40	**1:15**	6/8/2021 10:48	GCMS21_210608_06.D	2105001-03	2X 100µL in 1	Mon Jun 28 11:02:00 2021	2105001-03	4.27	-0.60	472760	123%
2:05	**1:40**	6/8/2021 11:13	GCMS21_210608_07.D	2105001-15RE	2X 100µL in 1	Mon Jun 28 11:02:00 2021	2105001-15RE	4.28	0.00	535681	140%
2:30	**2:05**	6/8/2021 11:38	GCMS21_210608_08.D	2105001-18RE	20X 50µL in 9	Mon Jun 28 11:02:00 2021	2105001-18RE	4.28	0.00	400198	104%
2:54	**2:29**	6/8/2021 12:02	GCMS21_210608_09.D	2105001-05	0	Mon Jun 28 11:02:00 2021	2105001-05	4.27	-0.60	465970	122%
3:19	**2:54**	6/8/2021 12:27	GCMS21_210608_10.D	B21E031-BLK2	Hexane 21E0	Mon Jun 28 11:02:00 2021	B21E031-BLK2	4.27	-0.60	402841	105%
3:44	**3:19**	6/8/2021 12:52	GCMS21_210608_11.D	B21E031-BLK3	ASE #3 Acet	Mon Jun 28 11:02:00 2021	B21E031-BLK3	4.27	-0.60	435199	114%
4:09	**3:44**	6/8/2021 13:17	GCMS21_210608_12.D	2105029-01	0	Mon Jun 28 11:02:00 2021	2105029-01	4.27	-0.60	399975	104%
4:34	**4:09**	6/8/2021 13:42	GCMS21_210608_13.D	2105029-03RE1	2X 100µL in 1	Mon Jun 28 11:02:00 2021	2105029-03RE1	4.28	0.00	399816	104%
4:59	**4:34**	6/8/2021 14:07	GCMS21_210608_14.D	B21F022-BLK2	ASE #3 Hexa	Mon Jun 28 11:02:00 2021	B21F022-BLK2	4.27	-0.60	384225	100%
5:24	**4:59**	6/8/2021 14:32	GCMS21_210608_15.D	2105035-01	0	Mon Jun 28 11:02:00 2021	2105035-01	4.27	-0.60	367393	96%
5:49	**5:24**	6/8/2021 14:57	GCMS21_210608_16.D	B21F022-BLK3	ASE #3 Acet	Mon Jun 28 11:02:00 2021	B21F022-BLK3	4.27	-0.60	362646	95%
6:14	**5:49**	6/8/2021 15:22	GCMS21_210608_17.D	2105035-02	0	Mon Jun 28 11:02:00 2021	2105035-02	4.27	-0.60	424777	111%
6:39	**6:14**	6/8/2021 15:47	GCMS21_210608_18.D	2105035-02_reinject	0	Mon Jun 28 11:02:00 2021	2105035-02_reinject	4.27	-0.60	421438	110%
7:04	**6:39**	6/8/2021 16:12	GCMS21_210608_19.D	2105001-15	0	Mon Jun 28 11:02:00 2021	2105001-15	4.27	-0.60	387571	101%
7:29	**7:04**	6/8/2021 16:37	GCMS21_210608_20.D	2105001-18	0	Mon Jun 28 11:02:00 2021	2105001-18	4.28	0.00	417755	109%
7:54	**7:29**	6/8/2021 17:02	GCMS21_210608_21.D	2105035-01RE1	5X_100µL+4	Mon Jun 28 11:02:00 2021	2105035-01RE1	4.28	0.00	399829	104%
8:19	**7:54**	6/8/2021 17:27	GCMS21_210608_22.D	2105029-01RE1	10X_100µL+9	Mon Jun 28 11:02:00 2021	2105029-01RE1	4.28	0.00	380927	99%
8:44	**8:19**	6/8/2021 17:52	GCMS21_210608_23.D	2105035-02RE1	10X_100µL+9	Mon Jun 28 11:02:00 2021	2105035-02RE1	4.28	0.00	402611	105%
9:09	**8:44**	6/8/2021 18:17	GCMS21_210608_24.D	2105029-01RE2	20X_50µL+90	Mon Jun 28 11:02:00 2021	2105029-01RE2	4.28	0.00	385947	101%
9:34	**9:09**	6/8/2021 18:42	GCMS21_210608_25.D	CAL0	LIMS 21D300	Mon Jun 28 11:02:00 2021	CAL0	4.28	0.00	387329	101%
9:59	**9:34**	6/8/2021 19:07	GCMS21_210608_26.D	CCV1_250	LIMS 21F010	Mon Jun 28 11:02:00 2021	CCV1_250	4.28	-1.8	441906	102%
10:24	**9:59**	6/8/2021 19:32	GCMS21_210608_27.D	CCV1_250	LIMS 21F010	Mon Jun 28 11:02:00 2021	CCV1_250	4.28	-1.8	360879	83%

(#6) ACENAPHTHENE-D10				(#11) PHENANTHRENE-D10					(#16) CHRYSENE-D12				(#21) PERYLENE-D12			
(#28) ACENAPHTHENE-D10				(#48) PHENANTHRENE-D10					(#59) CHRYSENE-D12				(#67) PERYLENE-D12			
(#6) ACENAPHTHENE-D10				(#11) PHENANTHRENE-D10					(#16) CHRYSENE-D12				(#21) PERYLENE-D12			
t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)	t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV**	Sample Name **Reported = blue fill**	t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)	t_r, **min**	Dt_r vs **ICAL7 or CCV,** sec (±10 sec)	Peak area, counts	Area% vs **ICAL 7** or **CCV** (50-200%)
NA	NA	NA	NA	NA	NA	NA	NA	DCM	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	NA	NA	NA	NA	NA	ICP 50	NA	NA	NA	NA	NA	NA	NA	NA
6.07	-1.80	212802	0.86455324	7.62	-1.20	414994	89%	CCV1_250	10.84	-2.40	392121	83%	13.44	-2.40	450116	90%
6.07	0.00	205731	0.96677193	7.62	0.00	400491	97%	CAL0	10.84	0.00	362155	92%	13.44	0.00	402509	89%
6.07	0.00	255295	1.19968327	7.62	0.00	533401	129%	2105001-02	10.85	0.60	569503	145%	13.46	1.20	536885	119%
6.07	0.00	291348	1.36910367	7.62	0.00	602195	145%	2105001-03	10.86	1.20	647368	165%	13.46	1.20	675775	150%
6.07	0.00	330039	1.55092057	7.62	0.00	684915	165%	2105001-15RE	10.85	0.60	730027	186%	13.46	1.20	757903	168%
6.07	0.00	240143	1.12848094	7.62	0.00	494119	119%	2105001-18RE	10.85	0.60	481480	123%	13.45	0.60	535935	119%
6.07	0.00	285511	1.34167442	7.62	0.00	594437	143%	2105001-05	10.86	1.20	646514	165%	13.48	2.40	652266	145%
6.07	0.00	240724	1.13121117	7.62	0.00	489252	118%	B21E031-BLK2	10.85	0.60	475496	121%	13.45	0.60	533913	119%
6.07	0.00	257016	1.2077706	7.63	0.60	517460	125%	B21E031-BLK3	10.86	1.20	497387	127%	13.46	1.20	557348	124%
6.07	0.00	252728	1.18762042	7.63	0.60	514245	124%	2105029-01	10.86	1.20	526939	134%	13.46	1.20	598184	133%
6.07	0.00	248577	1.16811402	7.62	0.00	511799	123%	2105029-03RE1	10.85	0.60	501237	128%	13.45	0.60	539190	120%
6.07	0.00	224056	1.05288484	7.62	0.00	458224	110%	B21F022-BLK2	10.85	0.60	438691	112%	13.45	0.60	487311	108%
6.07	0.00	228659	1.07451528	7.63	0.60	452939	109%	2105035-01	10.85	0.60	481963	123%	13.46	1.20	503431	112%
6.07	0.00	212019	0.99632052	7.64	1.20	427897	103%	B21F022-BLK3	10.87	1.80	401275	102%	13.47	1.80	448723	100%
6.07	0.00	260675	1.22496499	7.62	0.00	536135	129%	2105035-02	10.85	0.60	547180	140%	13.46	1.20	627825	139%
6.07	0.00	258408	1.2143119	7.62	0.00	532225	128%	105035-02_reinjec	10.85	0.60	543914	139%	13.46	1.20	627610	139%
6.07	0.00	241302	1.13392731	7.62	0.00	504050	121%	2105001-15	10.87	1.80	543372	139%	13.48	2.40	538770	120%
6.08	0.60	260517	1.22422252	7.63	0.60	553483	133%	2105001-18	10.87	1.80	583441	149%	13.49	3.00	574747	128%
6.07	0.00	248382	1.16719768	7.62	0.00	522996	126%	2105035-01RE1	10.86	1.20	523092	133%	13.47	1.80	529604	118%
6.07	0.00	231788	1.08921909	7.62	0.00	485350	117%	2105029-01RE1	10.86	1.20	462012	118%	13.47	1.80	468188	104%
6.07	0.00	242856	1.14122988	7.62	0.00	514728	124%	2105035-02RE1	10.87	1.80	489977	125%	13.48	2.40	496616	110%
6.07	0.00	229803	1.07989117	7.62	0.00	484676	117%	2105029-01RE2	10.87	1.80	458216	117%	13.48	2.40	473022	105%
6.07	0.00	217284	1.02106183	7.64	1.20	440497	106%	CAL0	10.88	2.40	424779	108%	13.49	3.00	434981	97%
6.07	-1.8	255921	1.03973332	7.64	0	519559	111%	CCV1_250	10.87	-0.6	515215	109%	13.48	0	533807	107%
6.07	-1.8	205587	0.83524078	7.64	0	410882	88%	CCV1_250	10.87	-0.6	392505	83%	13.49	0.6	401672	80%

```
    Starting sequence Wed May 26 10:09:15 2021

  Instrument Name: GCMS
    Sequence File: D:\MassHunter\GCMS\1\sequence\210526_ICAL_LIMS SEQ_21E2602.seque
...                nce.xml
          Comment: BURNS HARBOR
         Operator: MN GCMS21
        Data Path: D:\MassHunter\GCMS\1\data\210526_ICAL\

    Line  Type          Vials    DataFile                       Sample Name
    ---------------------------------------------------------------------
    Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
    Acquisition Method File: PAHSCANPulsedSpliless_MS21_210202_9mmlens.M
      1) Blank            1      GCMS21_210526_01       DCM
         Comment: 20b2801
      2) Blank            1      GCMS21_210526_02       DCM
         Comment: 20b2801
      3) TuneCheck        2      GCMS21_210526_03       ICP 50
         Comment: LIMS  21E1232
      4) Blank            3      GCMS21_210526_04       1000PAH SIM
         Comment: LIMS 21B0110

    Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
    Acquisition Method File: PAHSIMPulsedSpliless_MS21_210305KL.M
      5) Blank            3      GCMS21_210526_05       1000PAH SIM
         Comment: LIMS 21B0110
      6) Blank            4      GCMS21_210526_06       CAL0
         Comment: LIMS 21D3002

    Sequence completed Wed May 26 12:37:54 2021

      D:\MassHunter\GCMS\1\data\210526_ICAL\2021 May 26 1009 Sequence Log .LOG
```

```
    Starting sequence Wed May 26 12:58:39 2021

  Instrument Name: GCMS
    Sequence File: D:\MassHunter\GCMS\1\sequence\210526_ICAL_LIMS SEQ_21E2602.seque
...                nce.xml
          Comment: BURNS HARBOR
         Operator: MN GCMS21
        Data Path: D:\MassHunter\GCMS\1\data\210526_ICAL\

    Line  Type          Vials    DataFile                       Sample Name
    ---------------------------------------------------------------------
    Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
    Acquisition Method File: PAHSIMPulsedSpliless_MS21_21526.M
      7) QC               3      GCMS21_210526_07       1000PAH SIM
         Comment: LIMS 21B0110

    Sequence completed Wed May 26 13:21:09 2021

      D:\MassHunter\GCMS\1\data\210526_ICAL\2021 May 26 1258 Sequence Log .LOG
```

```
    Starting sequence Wed May 26 13:50:43 2021

  Instrument Name: GCMS
    Sequence File: D:\MassHunter\GCMS\1\sequence\210526_ICAL_LIMS SEQ_21E2602.seque
...                nce.xml
          Comment: BURNS HARBOR
         Operator: MN GCMS21
        Data Path: D:\MassHunter\GCMS\1\data\210526_ICAL\

    Line  Type          Vials    DataFile                       Sample Name
    ----------------------------------------------------------------------
    Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
    Acquisition Method File: PAHSIMPulsedSpliless_MS21_21526.M
      8) Blank            4      GCMS21_210526_08       CAL0
         Comment: LIMS 21D3002
      9) Cal              5      GCMS21_210526_09       CAL 1_1ng/mL
         Comment: LIMS 21B0101
     10) Cal              6      GCMS21_210526_10       CAL 2_5ng/mL
         Comment: LIMS 21B0102
     11) Cal              7      GCMS21_210526_11       CAL 3_10ng/mL
         Comment: LIMS 21B0103
     12) Cal              8      GCMS21_210526_12       CAL4_25ng/mL
         Comment: LIMS 21B0104
     13) Cal              9      GCMS21_210526_13       CAL5_50ng/mL
         Comment: LIMS 21B0105
     14) Cal             10      GCMS21_210526_14       CAL6_100ng/mL
         Comment: LIMS 21B0106
     15) Cal             11      GCMS21_210526_15       CAL7_250ng/mL
         Comment: LIMS 21B0107
     16) Cal             12      GCMS21_210526_16       CAL8_500ng/mL
         Comment: LIMS 21B0108
     17) Cal             13      GCMS21_210526_17       CAL9_750ng/mL
         Comment: LIMS 21B0109
     18) Cal             14      GCMS21_210526_18       CAL10_1000ng/mL
         Comment: LIMS 21B0110
     19) Blank            4      GCMS21_210526_19       CAL0
         Comment: LIMS 21D3002
     20) Cal             15      GCMS21_210526_20       PAH ICV 250ng/mL
         Comment: LIMS 21C0501

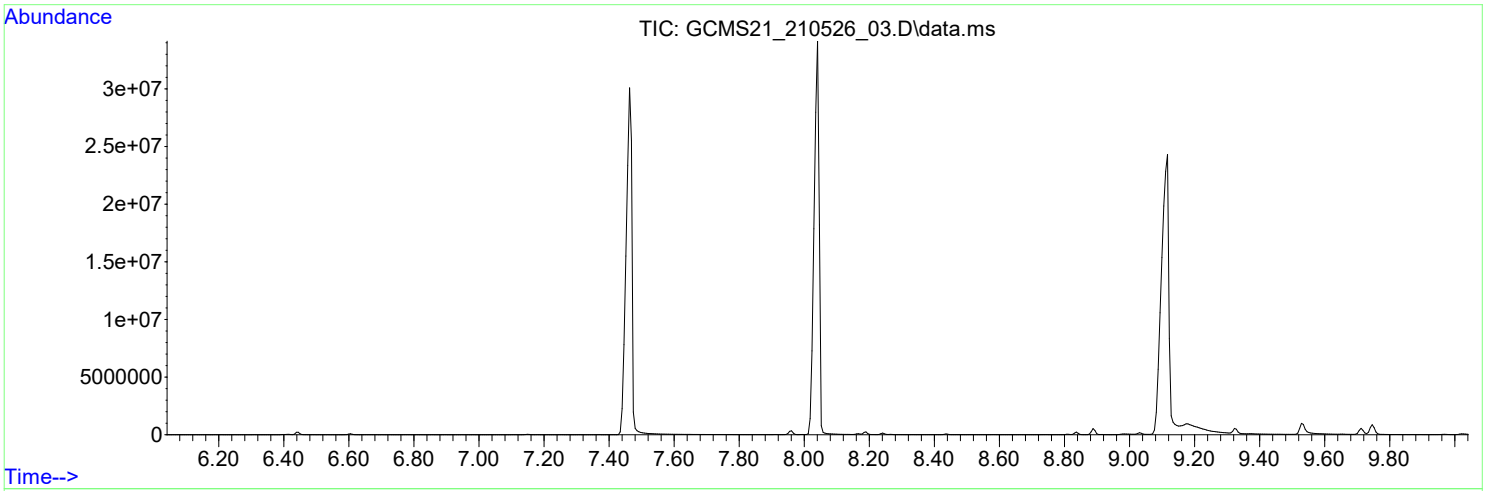
    Sequence completed Wed May 26 19:12:13 2021

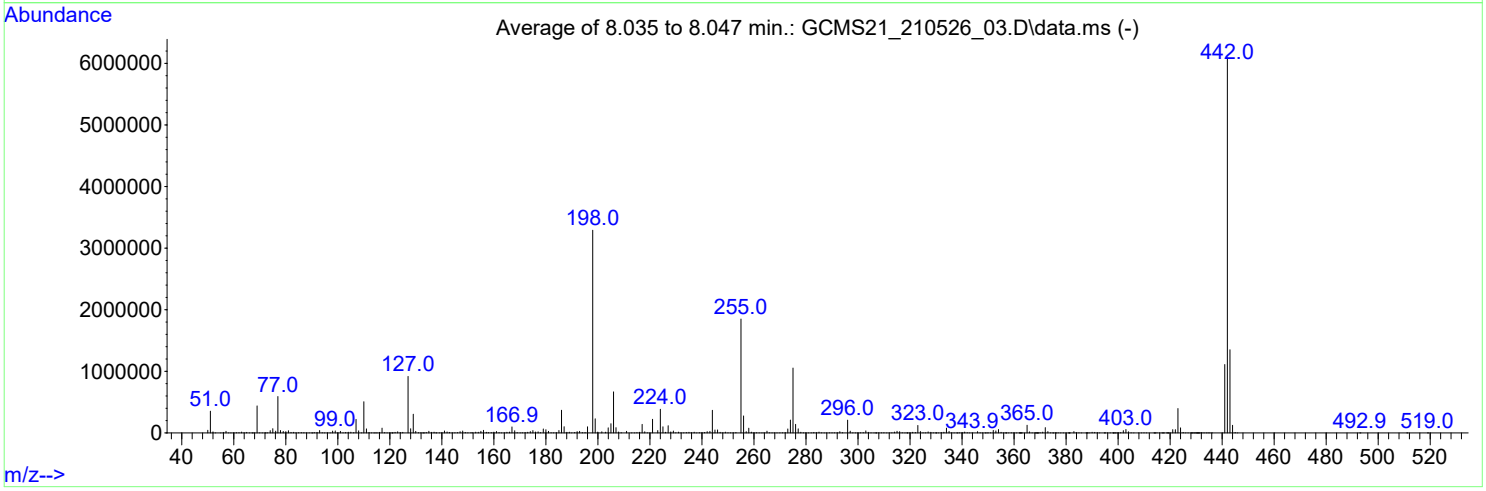
      D:\MassHunter\GCMS\1\data\210526_ICAL\2021 May 26 1350 Sequence Log .LOG
```

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_03.D
Acq On : 26 May 2021 11:02
Operator : MN GCMS21
Sample : ICP 50
Misc : LIMS 21E1232
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Title : BURNSHABOR
Last Update : Thu May 27 09:37:21 2021





AutoFind: Scans 690, 691, 692; Background Corrected with Scan 683

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.1	503	PASS
69	69	0.01	200	100.0	439023	PASS
70	69	0.00	2	0.5	1986	PASS
197	198	0.00	2	0.0	0	PASS
198	198	0.01	200	100.0	3290795	PASS
199	198	5	9	7.0	229472	PASS
365	442	1	200	2.1	125080	PASS
441	443	0.01	150	82.2	1110528	PASS
442	442	0.01	200	100.0	6086315	PASS
443	442	15	24	22.2	1350656	PASS

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_08.D
Acq On : 26 May 2021 13:52
Operator : MN GCMS21
Sample : CAL0
Misc : LIMS 21D3002
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 26 14:16:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

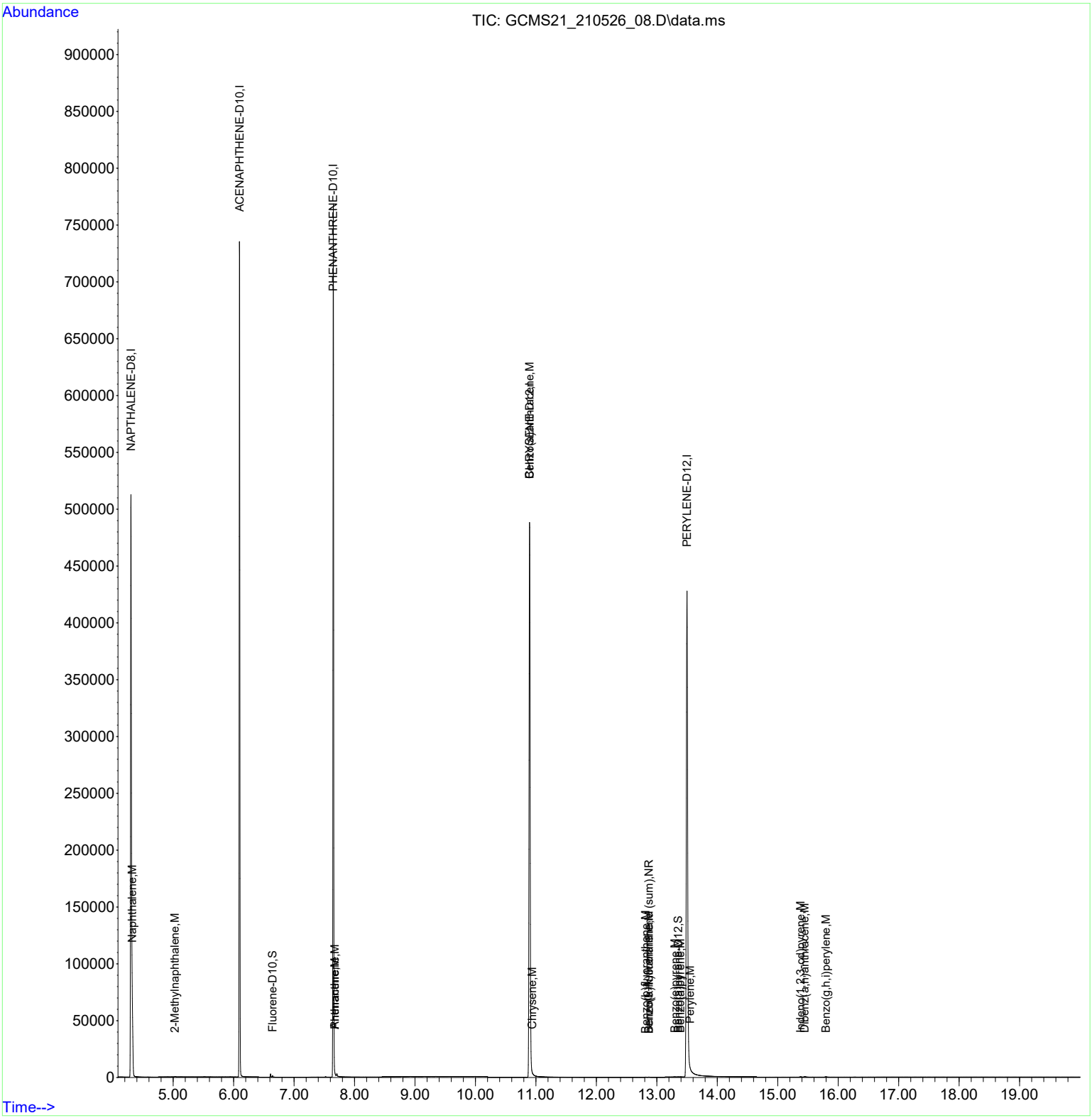
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.302	136	536419	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.099	164	283925	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.650	188	551406	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.895	240	494330	500.00	ng/mL	0.01
21) PERYLENE-D12	13.499	264	472134	500.00	ng/mL	0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0	0.00	ng/mL	
9) Fluorene-D10	6.643	176	569	0.84	ng/mL	0.00
14) Fluoranthene-D10	0.000	212	0	0.00	ng/mL	
17) Pyrene-D10	0.000	212	0	0.00	ng/mL	
26) Benzo(a)pyrene-D12	13.353	264	143	0.19	ng/mL	0.02
Target Compounds						Qvalue
2) Naphthalene	4.322	128	560	0.54	ng/mL#	67
4) 2-Methylnaphthalene	5.030	142	231	0.30	ng/mL#	85
5) 1-Methylnaphthalene	0.000		0	N.D.		
7) Acenaphthylene	0.000		0	N.D.		
8) Acenaphthene	0.000		0	N.D.		
10) Fluorene	0.000		0	N.D.		
12) Phenanthrene	7.675	178	190	0.14	ng/mL#	61
13) Anthracene	7.675	178	190	0.17	ng/mL#	62
15) Fluoranthene	8.925	202	128	N.D.		
18) Pyrene	9.162	202	107	N.D.		
19) Benzo(a)anthracene	10.895	228	1861	1.87	ng/mL	66
20) Chrysene	10.942	228	189	0.15	ng/mL#	42
22) Benzo(b)fluoranthene	12.815	252	174	0.18	ng/mL#	49
23) Benzo(k)fluoranthene	12.870	252	171	0.16	ng/mL#	49
24) benzo(b+k)fluoranthene...	12.870	252	357m	0.34	ng/mL	
25) Benzo(e)pyrene	13.300	252	154	0.16	ng/mL#	49
27) Benzo(a)pyrene	13.391	252	194	0.22	ng/mL#	55
28) Perylene	13.549	252	197	0.20	ng/mL#	49
29) Indeno(1,2,3-cd)pyrene	15.380	276	380	0.50	ng/mL#	53
30) Dibenz(a,h)anthracene	15.447	278	522	0.68	ng/mL#	74
31) Benzo(g,h,i)perylene	15.797	276	355	0.36	ng/mL#	52

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_08.D
Acq On : 26 May 2021 13:52
Operator : MN GCMS21
Sample : CAL0
Misc : LIMS 21D3002
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 26 14:16:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration



Calibration Status Report GCMS

Method Path : D:\MassHunter\GCMS\1\methods\processing\
Method File : BURNSHARBOR210526.M
Title : BURNSHABOR
Last Update : Mon Jun 28 11:02:00 2021
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	-1	500	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_09.D
2	2	5	500	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	3	10	500	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	4	25	500	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	5	50	500	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	6	100	500	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	7	250	500	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	8	500	500	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	9	750	500	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	10	1000	500	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D

#	ID	Update Time	Quant Time	Acquisition Time
1	1	Jun 02 12:41 2021	Jun 02 12:07 2021	26 May 2021 14:17
2	2	Jun 02 12:17 2021	Jun 02 12:05 2021	26 May 2021 14:42
3	3	Jun 02 12:17 2021	Jun 02 12:04 2021	26 May 2021 15:07
4	4	Jun 02 12:17 2021	Jun 02 12:03 2021	26 May 2021 15:32
5	5	Jun 02 12:17 2021	Jun 02 12:02 2021	26 May 2021 15:57
6	6	Jun 02 12:17 2021	Jun 02 12:02 2021	26 May 2021 16:22
7	7	Jun 28 11:01 2021	Jun 28 10:52 2021	26 May 2021 16:47
8	8	Jun 02 12:16 2021	Jun 02 11:58 2021	26 May 2021 17:12
9	9	Jun 02 12:16 2021	Jun 02 11:58 2021	26 May 2021 17:37
10	10	Jun 02 12:16 2021	Jun 02 11:56 2021	26 May 2021 18:02

BURNSHARBOR210526.M Mon Jun 28 11:07:22 2021

No data was uploaded for level 1(1ng/ul) besides internal standards. No calibrations/data is affected. MN 07.28.21

Calibration Report GCMS

Method Path : D:\MassHunter\GCMS\1\methods\processing\
Method File : BURNSHARBOR210526.M
Title : BURNSHABOR
Last Update : Mon Jun 28 11:02:00 2021
Response Via : Initial Calibration

Calibration Files
1 =GCMS21_210526_09 2 =GCMS21_210526_10 3 =GCMS21_210526_11 4 =GCMS21_210526_12 5 =
6 =GCMS21_210526_14 7 =GCMS21_210526_15 8 =GCMS21_210526_16 9 =GCMS21_210526_17 10 =

		Compound	Fit	Constant	Linear	Quad	RSD/Cf
1)	I	NAPTHALENE-D8		----------ISTD----------			
2)	M	Naphthalene	LinF	-----	0.9594	-----	0.9998
3)	S	2-Methylnaphthal...	Avg	-----	0.6293	-----	0.0257
4)	M	2-Methylnaphthalene	Avg	-----	0.7065	-----	0.1182
5)	M	1-Methylnaphthalene	Avg	-----	0.5885	-----	0.0436
6)	I	ACENAPHTHENE-D10		----------ISTD----------			
7)	M	Acenaphthylene	Avg	-----	1.6595	-----	0.0959
8)	M	Acenaphthene	Avg	-----	1.2703	-----	0.1000
9)	S	Fluorene-D10	Avg	-----	1.1971	-----	0.0643
10)	M	Fluorene	Avg	-----	1.4061	-----	0.0912
11)	I	PHENANTHRENE-D10		----------ISTD----------			
12)	M	Phenanthrene	Avg	-----	1.2067	-----	0.1457
13)	M	Anthracene	Avg	-----	1.0034	-----	0.0772
14)	S	Fluoranthene-D10	Avg	-----	1.0827	-----	0.0348
15)	M	Fluoranthene	Avg	-----	1.2736	-----	0.1110
16)	I	CHRYSENE-D12		----------ISTD----------			
17)	S	Pyrene-D10	Avg	-----	1.1408	-----	0.0280
18)	M	Pyrene	Avg	-----	1.3326	-----	0.1238
19)	M	Benzo(a)anthracene	LinF	-----	1.0057	-----	0.9995
20)	M	Chrysene	Avg	-----	1.2416	-----	0.1402
21)	I	PERYLENE-D12		----------ISTD----------			
22)	M	Benzo(b)fluorant...	Avg	-----	1.0379	-----	0.0863
23)	M	Benzo(k)fluorant...	Avg	-----	1.1502	-----	0.1266
24)	NR	benzo(b+k)fluora...	Avg	-----	1.1277	-----	0.1459
25)	M	Benzo(e)pyrene	Avg	-----	1.0468	-----	0.0410
26)	S	Benzo(a)pyrene-D12	Avg	-----	0.8124	-----	0.0624
27)	M	Benzo(a)pyrene	Avg	-----	0.9472	-----	0.0918
28)	M	Perylene	Avg	-----	1.0638	-----	0.0196
29)	M	Indeno(1,2,3-cd)...	Avg	-----	0.8105	-----	0.1136
30)	M	Dibenz(a,h)anthr...	Avg	-----	0.8078	-----	0.1352
31)	M	Benzo(g,h,i)pery...	Avg	-----	1.0531	-----	0.1153

BURNSHARBOR210526.M Mon Jun 28 11:07:53 2021

Response Factor Report GCMS

Method Path : D:\MassHunter\GCMS\1\methods\processing\
Method File : BURNSHARBOR210526.M
Title : BURNSHABOR
Last Update : Mon Jun 28 11:02:00 2021
Response Via : Initial Calibration

Calibration Files
1 =GCMS21_210526_09.D 2 =GCMS21_210526_10.D 3 =GCMS21_210526_11.D 4 =GCMS21_210526_12.D 5 =GCMS21_210526_13.D 6 =GCMS21_210526_14.D
7 =GCMS21_210526_15.D 8 =GCMS21_210526_16.D 9 =GCMS21_210526_17.D 10 =GCMS21_210526_18.D

		Compound	1	2	3	4	5	6	7	8	9	10	Avg	%RSD
1)	I	NAPTHALENE-D8	----------ISTD----------											
2)	M	Naphthalene	1.332	1.119	1.059	0.956	0.936	0.955	0.955	0.950	0.967	1.025		12.71
3)	S	2-Methylnaphth...	0.625	0.607	0.652	0.614	0.609	0.639	0.642	0.637	0.639	0.629		2.57
4)	M	2-Methylnaphth...	0.905	0.758	0.713	0.641	0.631	0.663	0.676	0.682	0.690	0.707		11.82
5)	M	1-Methylnaphth...	0.576	0.558	0.593	0.560	0.561	0.598	0.614	0.615	0.623	0.589		4.36
6)	I	ACENAPHTHENE-D10	----------ISTD----------											
7)	M	Acenaphthylene	2.051	1.697	1.704	1.552	1.525	1.570	1.593	1.599	1.645	1.660		9.59
8)	M	Acenaphthene	1.585	1.300	1.313	1.193	1.171	1.207	1.218	1.209	1.236	1.270		10.00
9)	S	Fluorene-D10	1.376	1.222	1.247	1.142	1.126	1.168	1.176	1.153	1.165	1.197		6.43
10)	M	Fluorene	1.718	1.406	1.422	1.285	1.280	1.353	1.393	1.385	1.411	1.406		9.12
11)	I	PHENANTHRENE-D10	----------ISTD----------											
12)	M	Phenanthrene	1.650	1.251	1.245	1.122	1.093	1.126	1.126	1.119	1.128	1.207		14.57
13)	M	Anthracene	1.182	0.979	1.014	0.932	0.915	0.968	0.996	1.009	1.035	1.003		7.72
14)	S	Fluoranthene-D10	1.066	1.048	1.100	1.037	1.037	1.089	1.108	1.118	1.141	1.083		3.48
15)	M	Fluoranthene	1.624	1.256	1.260	1.156	1.141	1.213	1.247	1.263	1.303	1.274		11.10
16)	I	CHRYSENE-D12	----------ISTD----------											
17)	S	Pyrene-D10	1.189	1.109	1.187	1.118	1.096	1.141	1.143	1.131	1.152	1.141		2.80
18)	M	Pyrene	1.754	1.337	1.371	1.240	1.215	1.261	1.270	1.264	1.282	1.333		12.38
19)	M	Benzo(a)anthra...	1.687	1.250	1.147	1.005	0.969	0.984	0.992	0.993	1.022	1.116		20.91
20)	M	Chrysene	1.670	1.302	1.303	1.169	1.129	1.152	1.150	1.136	1.164	1.242		14.02
21)	I	PERYLENE-D12	----------ISTD----------											
22)	M	Benzo(b)fluora...		1.191	1.166	1.022	1.008	0.974	0.977	0.960	1.005	1.038		8.63
23)	M	Benzo(k)fluora...	1.511	1.180	1.201	1.041	1.065	1.063	1.093	1.082	1.116	1.150		12.66
24)	NR	benzo(b+k)fluo...	1.538	1.169	1.182	1.062	1.039	1.021	1.042	1.032	1.065	1.128		14.59
25)	M	Benzo(e)pyrene	1.126	1.055	1.111	1.029	1.027	1.020	1.019	1.006	1.027	1.047		4.10
26)	S	Benzo(a)pyrene...	0.776	0.758	0.798	0.762	0.771	0.827	0.856	0.874	0.889	0.812		6.24
27)	M	Benzo(a)pyrene	1.102	0.886	0.903	0.838	0.856	0.935	0.975	0.996	1.033	0.947		9.18
28)	M	Perylene	1.084	1.044	1.086	1.048	1.028	1.065	1.074	1.059	1.086	1.064		1.96
29)	M	Indeno(1,2,3-c...	0.991	0.761	0.774	0.702	0.716	0.775	0.824	0.852	0.899	0.811		11.36
30)	M	Dibenz(a,h)ant...	0.905	0.693	0.718	0.678	0.713	0.806	0.888	0.915	0.953	0.808		13.52
31)	M	Benzo(g,h,i)pe...	1.350	1.023	1.043	0.936	0.948	0.999	1.044	1.050	1.085	1.053		11.53

(#) = Out of Range

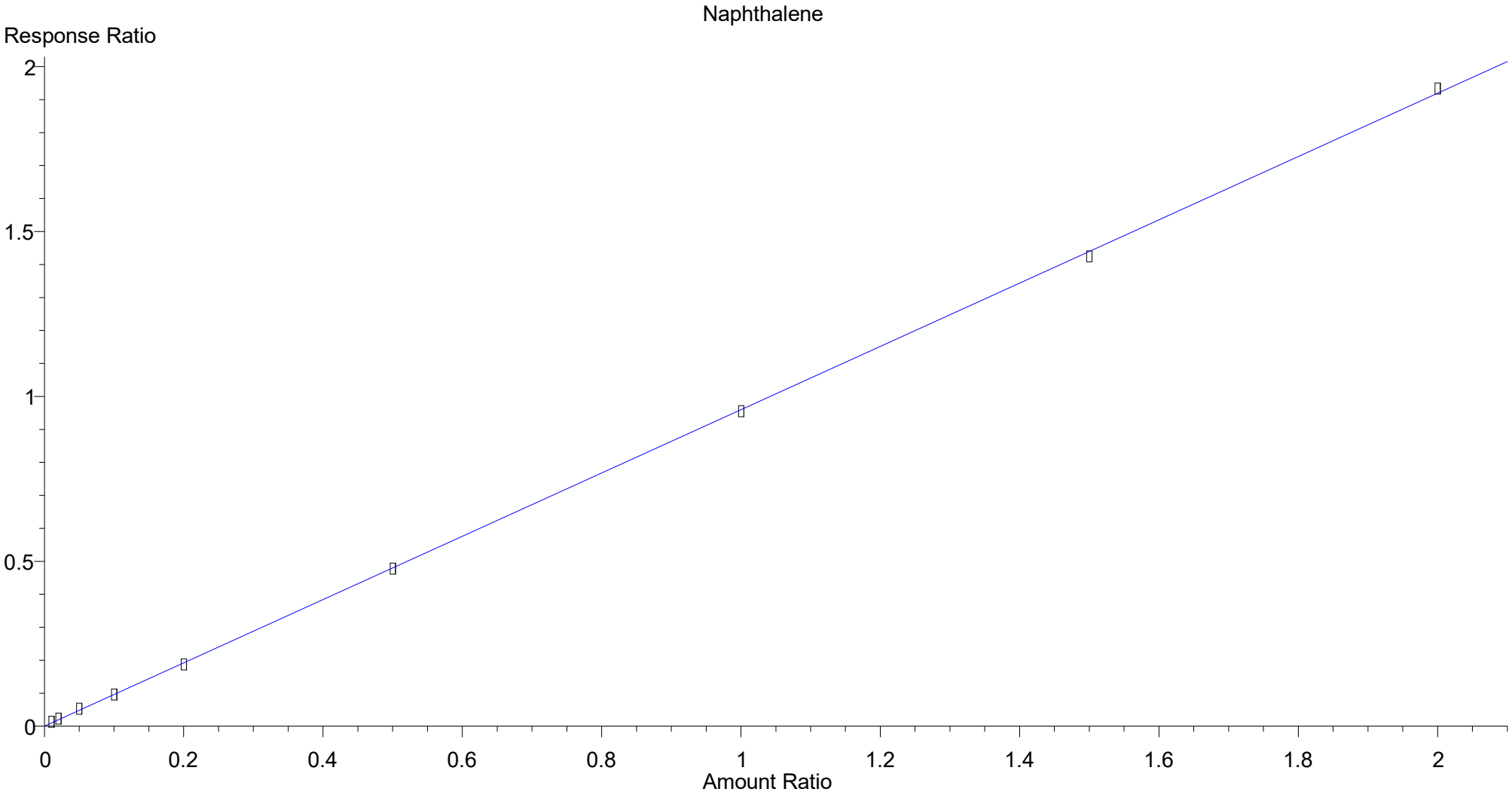
Calibration data of NAPTHALENE-D8

LvLID	Amount (ratio)	Response (ratio)	Data File
1	500.0000	575328.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_09.D
2	500.0000	475423.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	500.0000	456593.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	500.0000	459864.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	500.0000	468030.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	500.0000	455389.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	500.0000	433303.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	500.0000	448172.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	500.0000	468239.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	500.0000	485584.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D

Internal Standard

Calibration data of Naphthalene

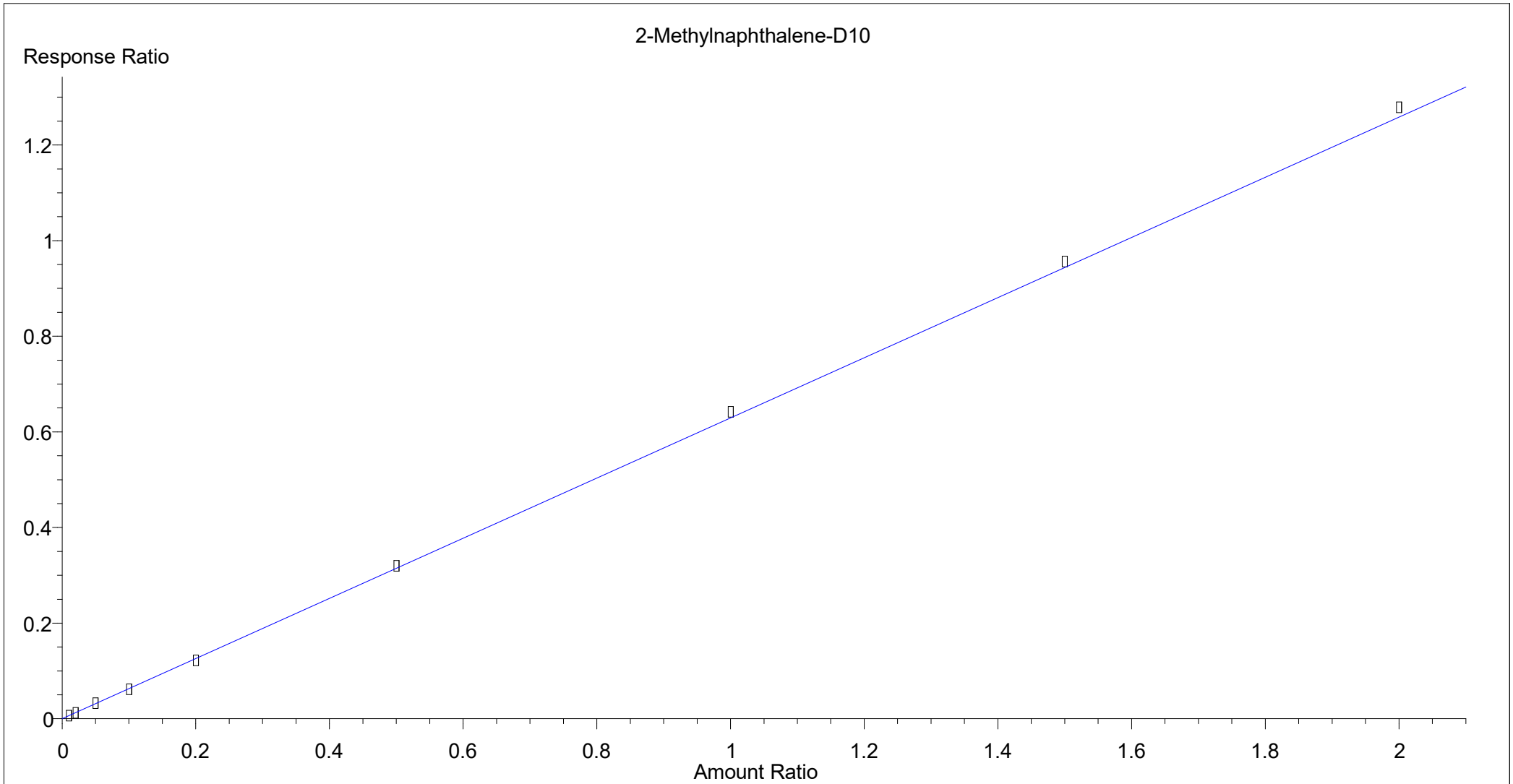
LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.013323	38.87	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.022370	16.59	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.052931	10.35	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.095631	-0.32	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.187170	-2.45	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.477546	-0.45	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.954669	-0.49	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.424606	-1.00	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	1.933116	0.75	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Resp Ratio = 9.594e-001 * Amt
Coef of Det (r^2) = 0.999833 Curve Fit: wlr(1/a)/(0,0)

Calibration data of 2-Methylnaphthalene-D10

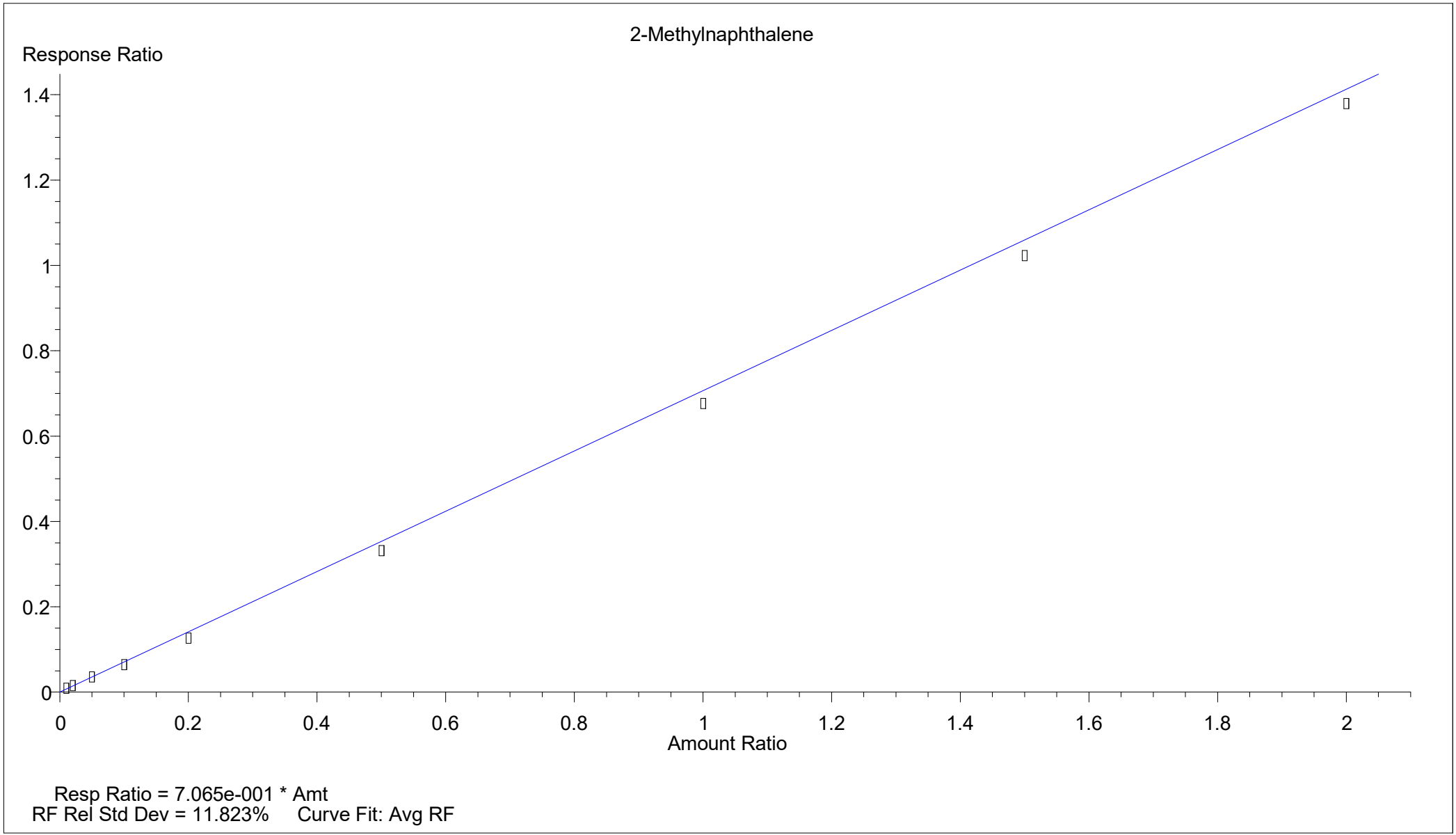
LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.006249	-0.69	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.012140	-3.54	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.032581	3.55	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.061357	-2.50	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.121810	-3.22	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.319522	1.55	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.641562	1.95	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	0.956035	1.28	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	1.278889	1.61	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Resp Ratio = 6.293e-001 * Amt
RF Rel Std Dev = 2.566% Curve Fit: Avg RF

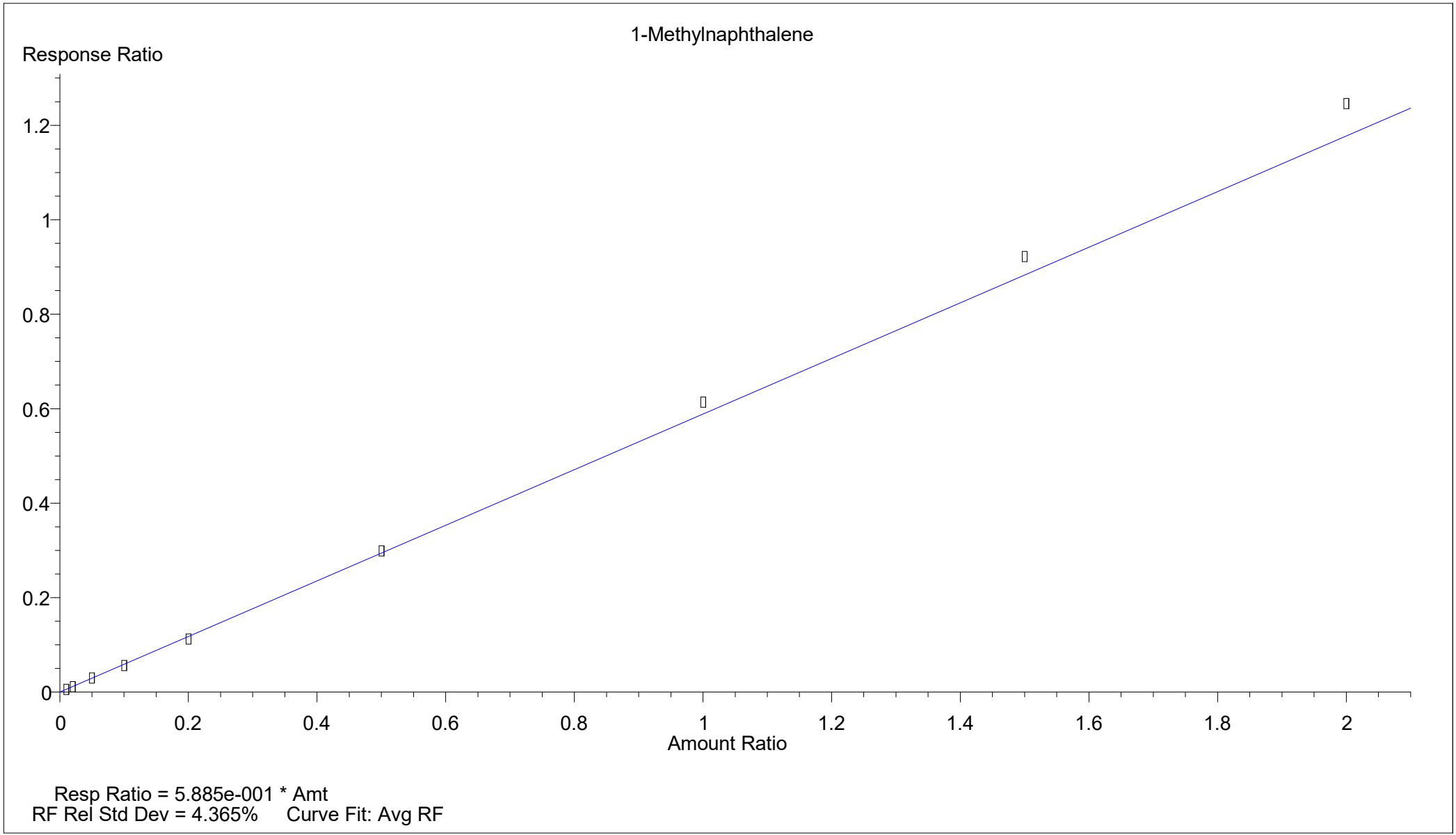
Calibration data of 2-Methylnaphthalene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.009051	28.10	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.015158	7.27	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.035663	0.95	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.064139	-9.22	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.126147	-10.73	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.331373	-6.20	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.676428	-4.26	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.022593	-3.51	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	1.379156	-2.40	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Calibration data of 1-Methylnaphthalene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.005763	-2.07	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.011157	-5.21	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.029630	0.70	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.055988	-4.86	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.112172	-4.70	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.298899	1.58	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.613711	4.28	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	0.921764	4.42	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	1.246017	5.86	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



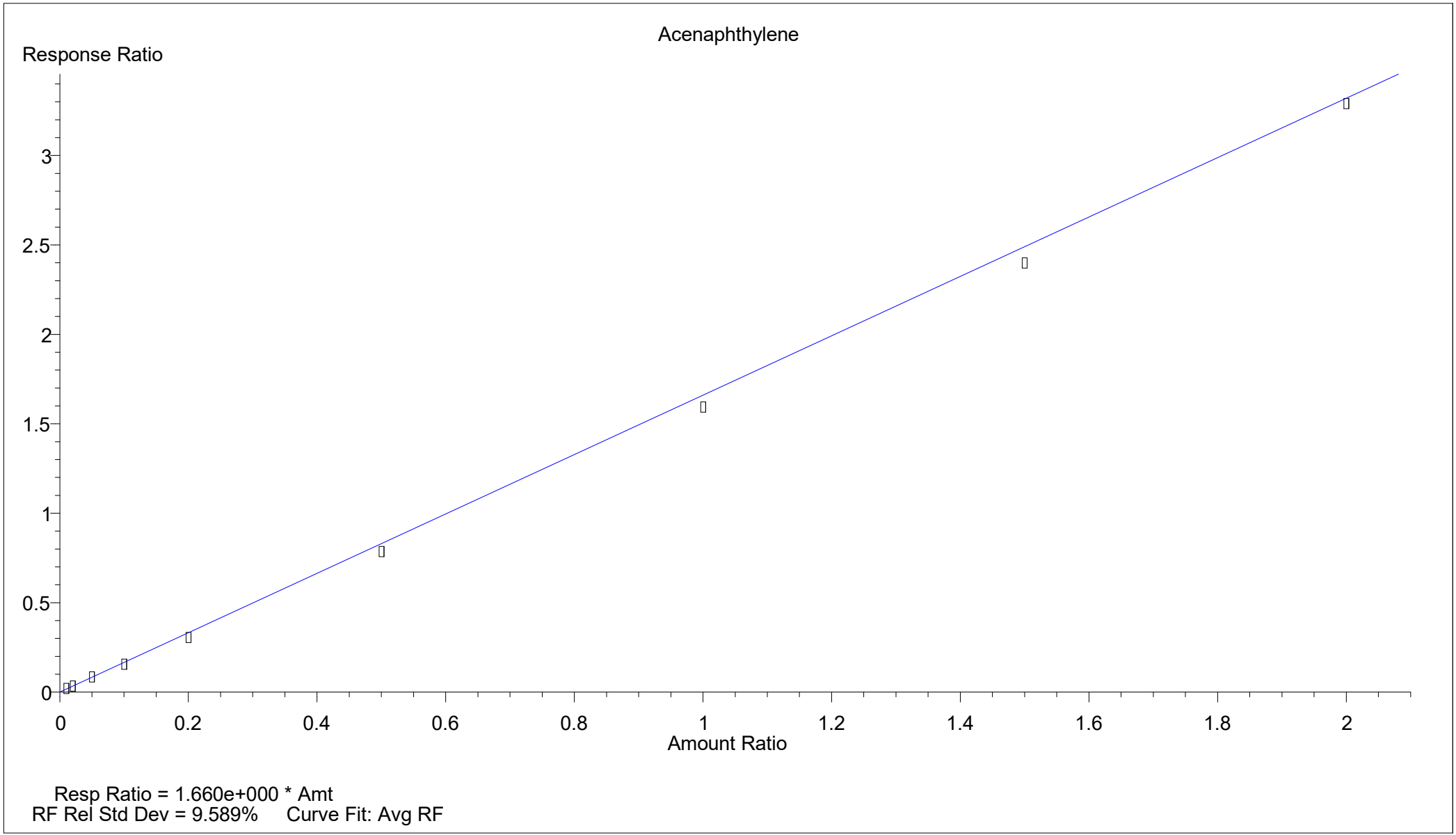
Calibration data of ACENAPHTHENE-D10

LvLID	Amount (ratio)	Response (ratio)	Data File
1	500.0000	313468.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_09.D
2	500.0000	260409.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	500.0000	251690.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	500.0000	253646.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	500.0000	260650.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	500.0000	254757.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	500.0000	246141.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	500.0000	256632.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	500.0000	269118.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	500.0000	275247.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D

Internal Standard

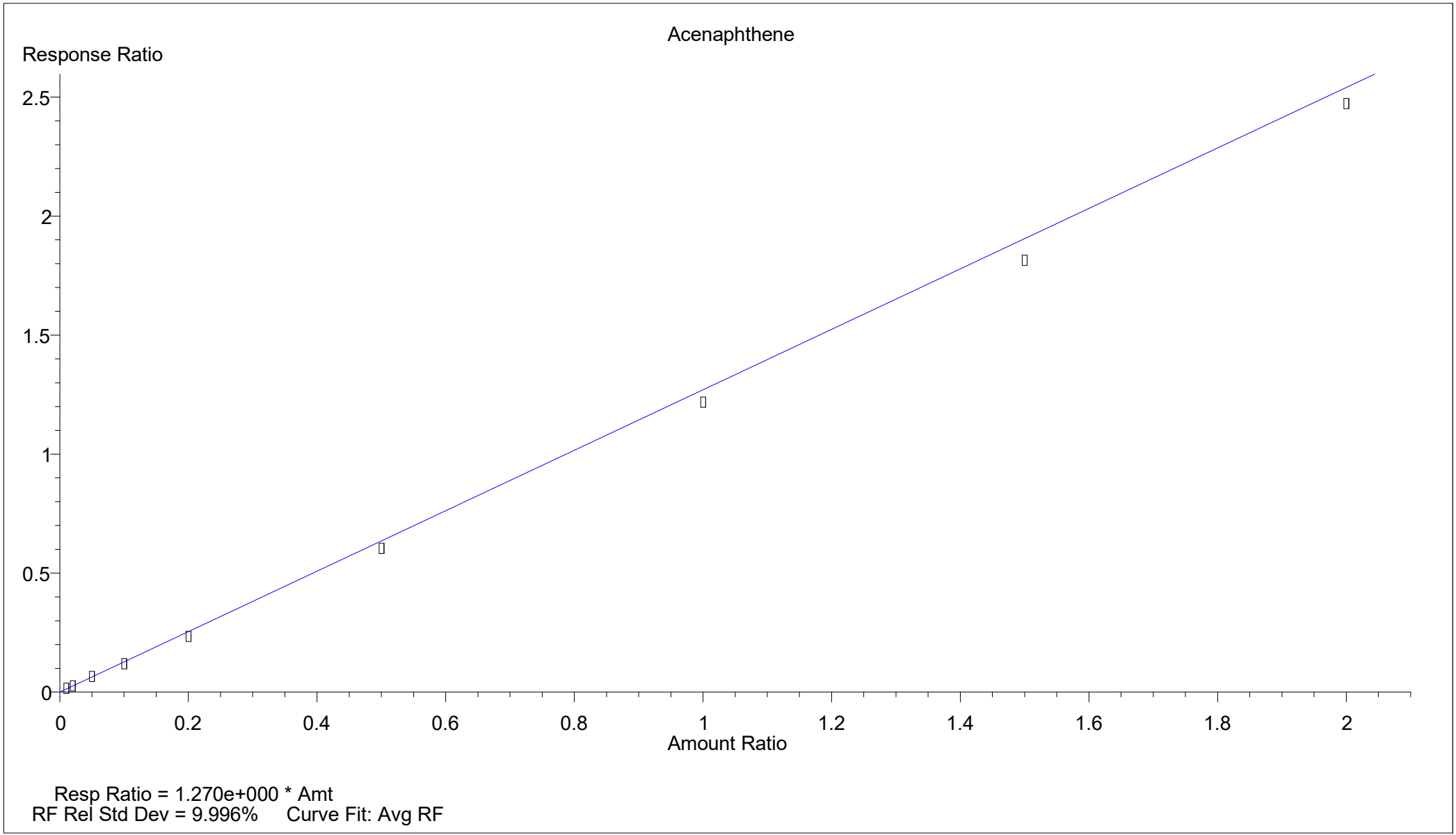
Calibration data of Acenaphthylene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.020510	23.59	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.033939	2.26	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.085190	2.67	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.155151	-6.51	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.305051	-8.09	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.785213	-5.37	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.593032	-4.01	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	2.398186	-3.66	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	3.289533	-0.89	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



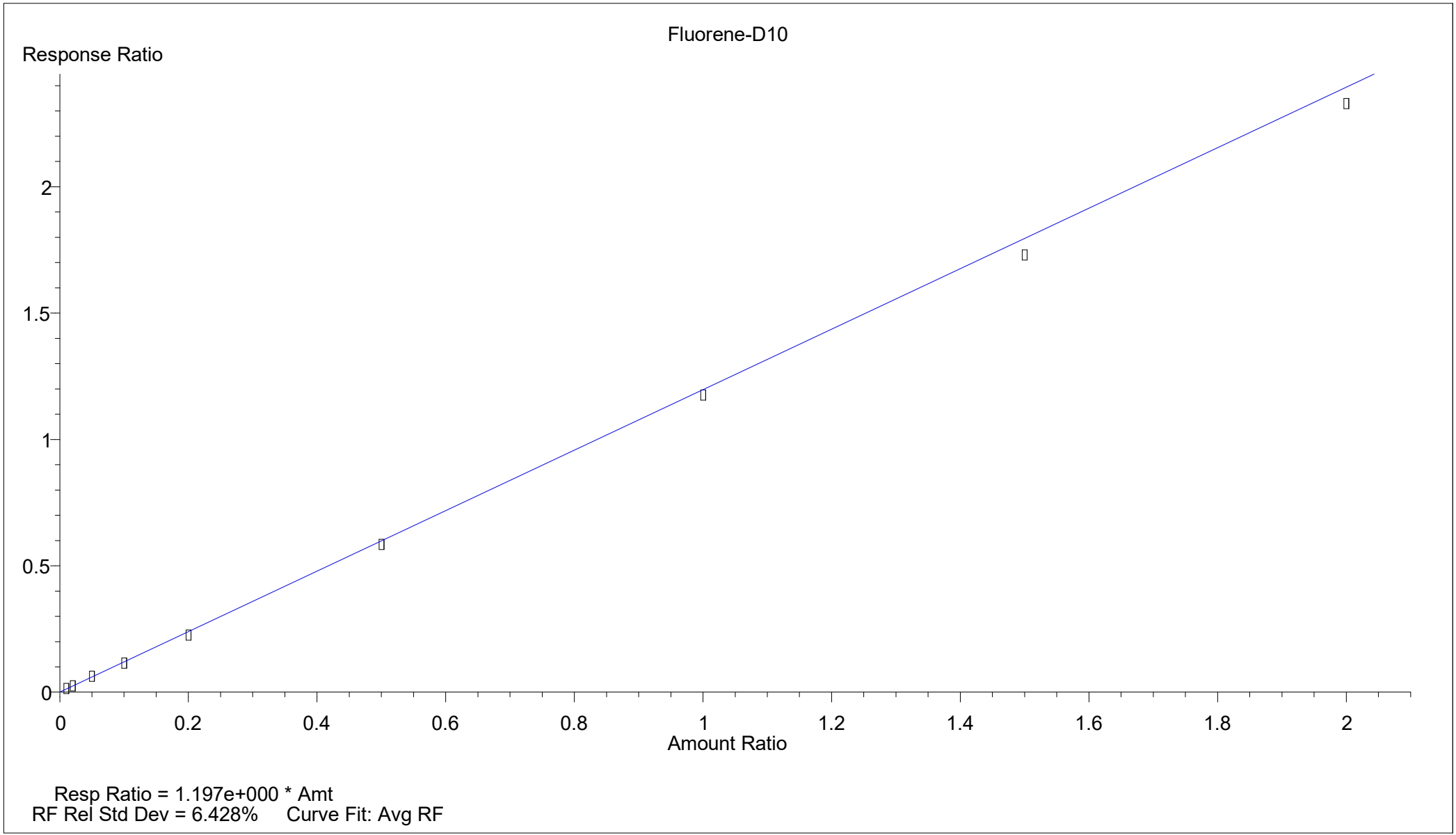
Calibration data of Acenaphthene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.015848	24.76	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.026004	2.36	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.065627	3.33	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.119271	-6.11	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.234290	-7.78	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.603634	-4.96	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.218020	-4.11	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.813643	-4.82	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.472946	-2.66	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



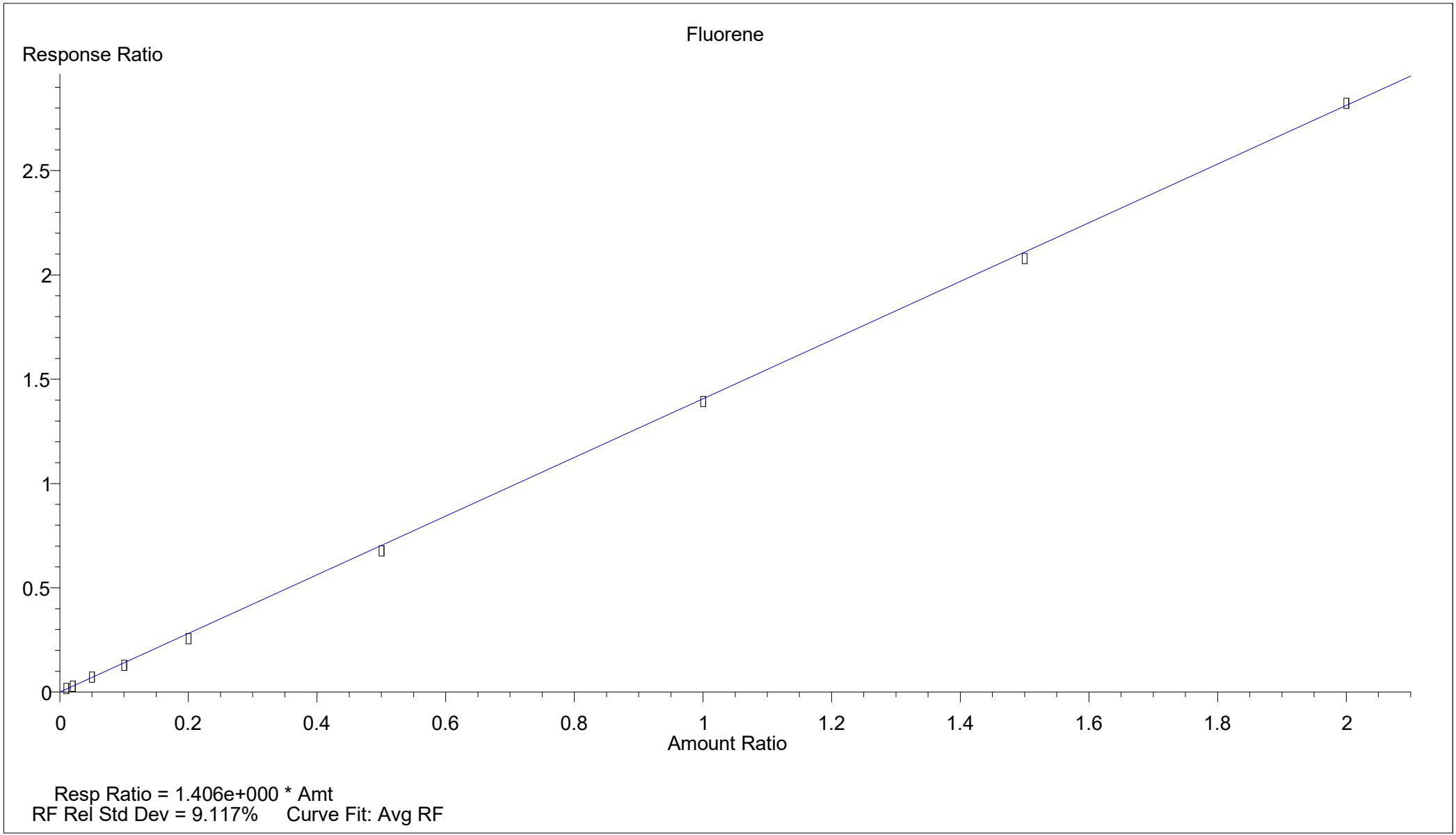
Calibration data of Fluorene-D10

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.013755	14.91	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.024435	2.06	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.062363	4.19	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.114172	-4.62	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.225195	-5.94	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.583974	-2.43	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.175602	-1.79	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.729985	-3.65	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.329068	-2.72	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Calibration data of Fluorene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.017181	22.19	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.028130	0.03	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.071119	1.16	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.128548	-8.58	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.256005	-8.96	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.676632	-3.75	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.392523	-0.96	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	2.078062	-1.47	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.821731	0.34	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



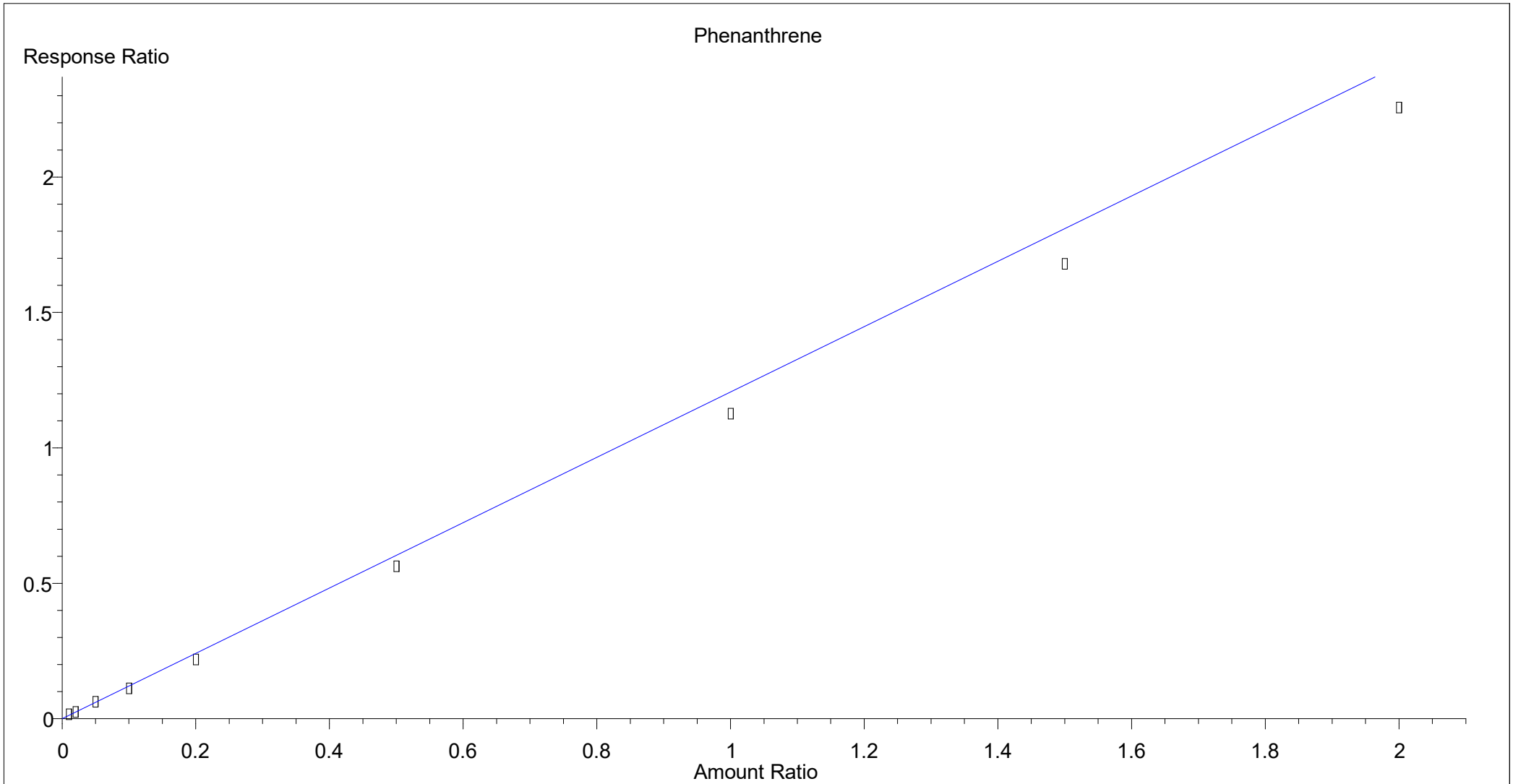
Calibration data of PHENANTHRENE-D10

LvLID	Amount (ratio)	Response (ratio)	Data File
1	500.0000	601345.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_09.D
2	500.0000	487797.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	500.0000	474229.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	500.0000	482569.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	500.0000	489485.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	500.0000	481101.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	500.0000	466889.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	500.0000	488337.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	500.0000	500554.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	500.0000	517910.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D

Internal Standard

Calibration data of Phenanthrene

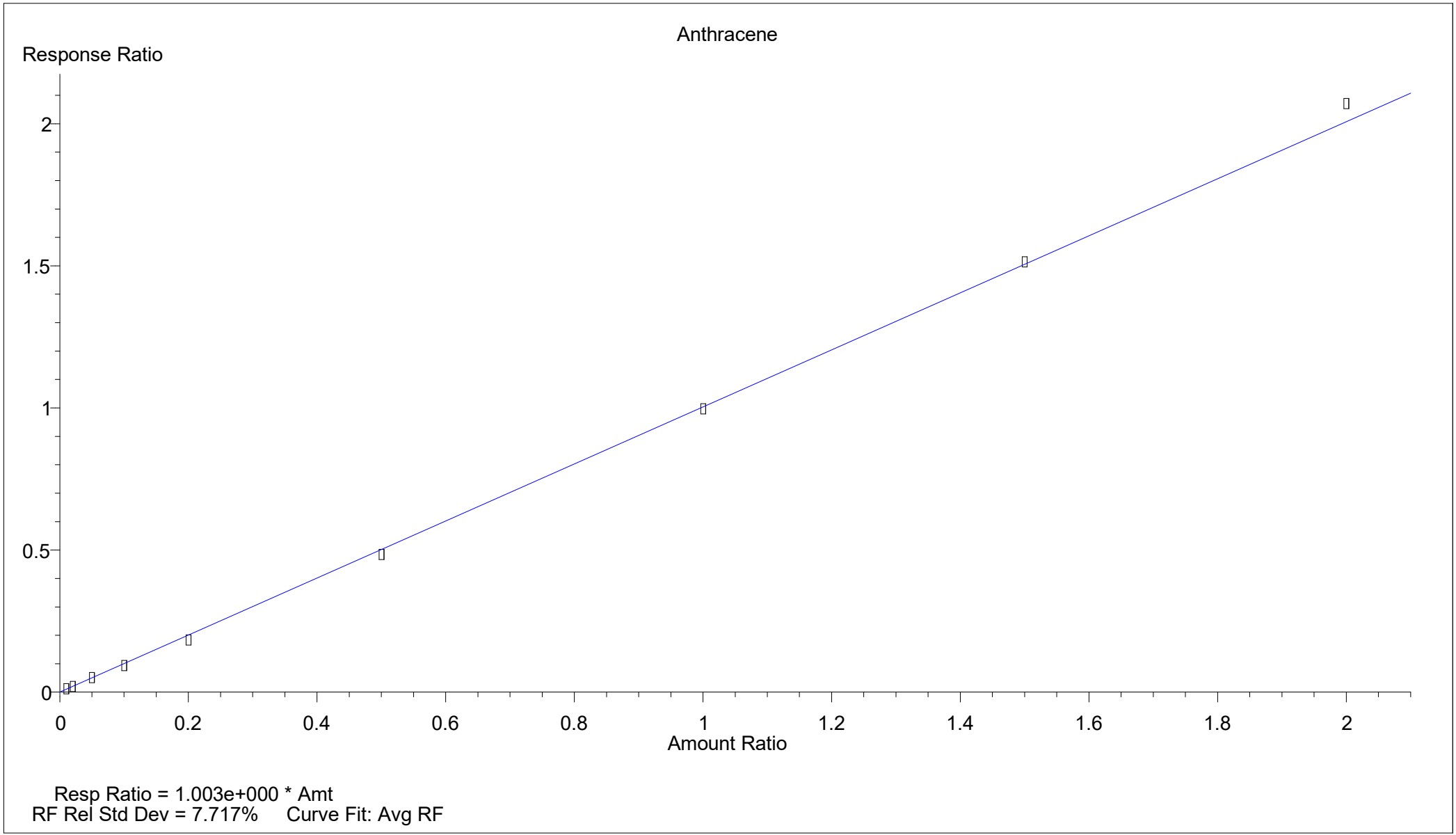
LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.016505	36.77	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.025017	3.66	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.062234	3.14	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.112236	-6.99	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.218574	-9.44	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.562870	-6.71	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.125907	-6.70	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.679002	-7.24	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.256676	-6.50	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Resp Ratio = 1.207e+000 * Amt
RF Rel Std Dev = 14.569% Curve Fit: Avg RF

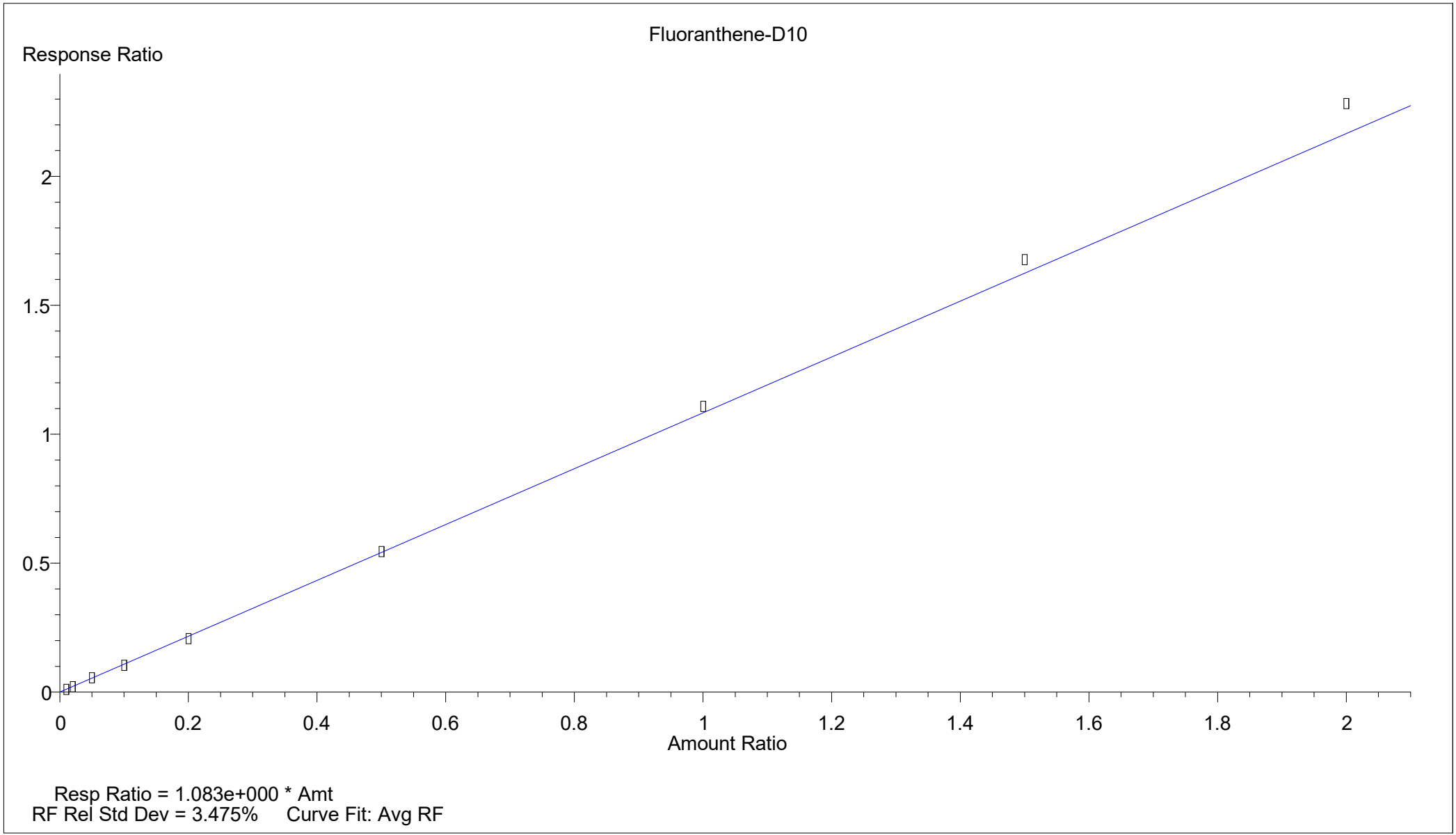
Calibration data of Anthracene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.011823	17.82	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.019573	-2.47	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.050722	1.10	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.093204	-7.11	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.183018	-8.80	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.483946	-3.54	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.996261	-0.71	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.513311	0.54	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.070487	3.17	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



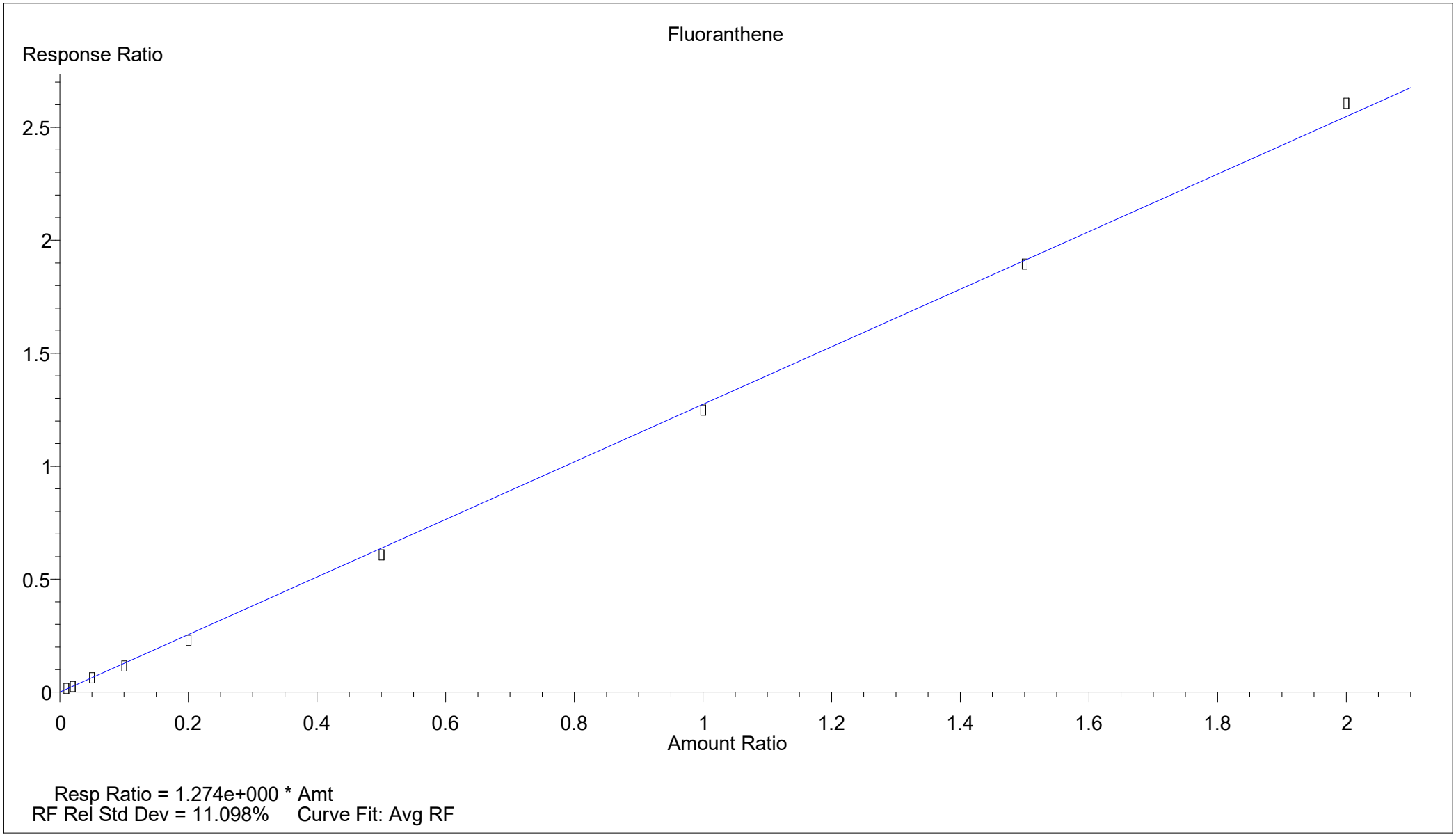
Calibration data of Fluoranthene-D10

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.010660	-1.54	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.020965	-3.18	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.054993	1.59	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.103668	-4.25	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.207364	-4.23	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.544577	0.60	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.108089	2.35	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.676708	3.25	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.282408	5.41	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Calibration data of Fluoranthene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.016236	27.48	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.025114	-1.40	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.062990	-1.08	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.115570	-9.26	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.228191	-10.41	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.606654	-4.73	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.247348	-2.06	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.894515	-0.83	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.605596	2.29	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



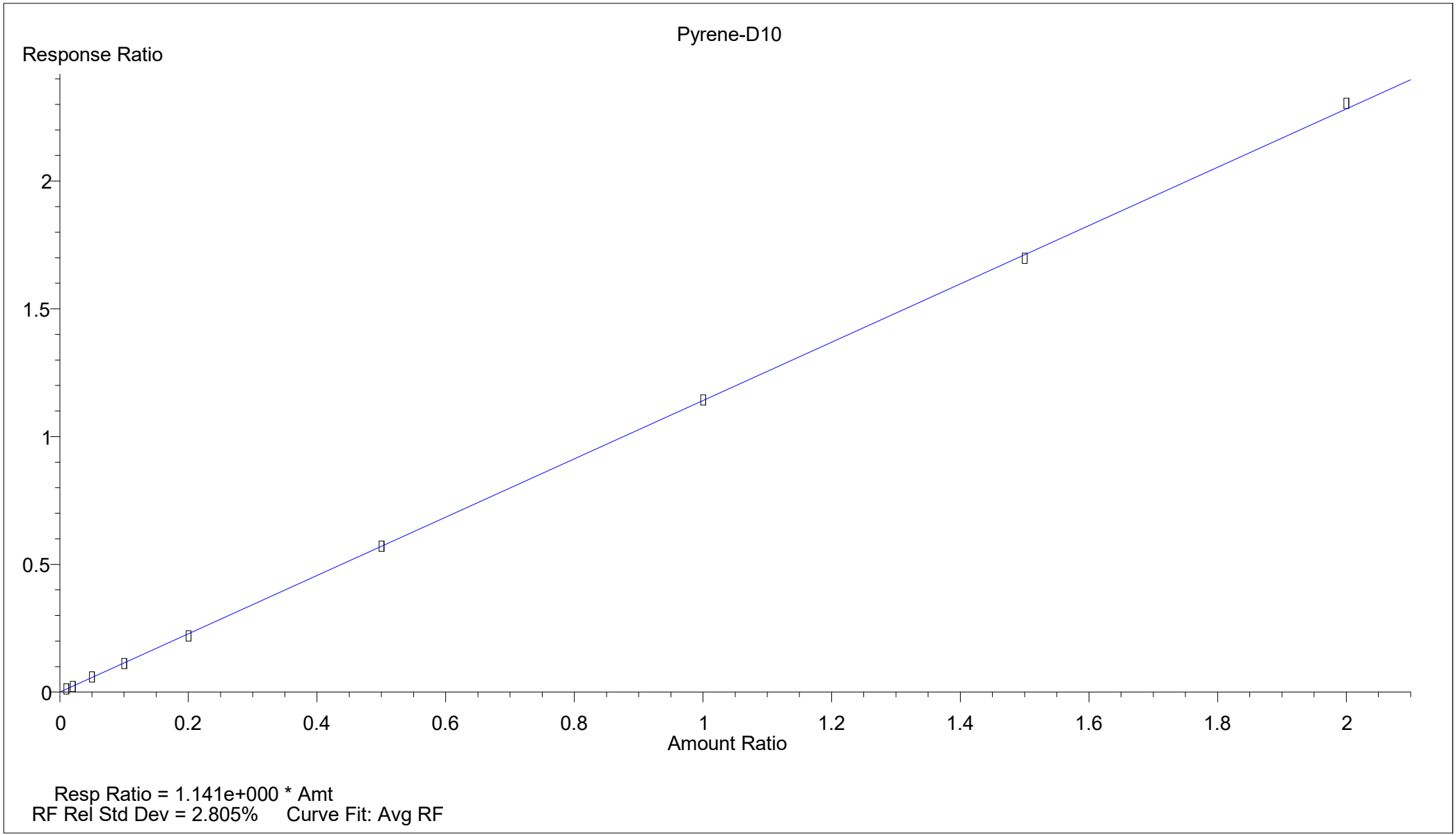
Calibration data of CHRYSENE-D12

LvLID	Amount (ratio)	Response (ratio)	Data File
1	500.0000	592911.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_09.D
2	500.0000	459456.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	500.0000	457387.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	500.0000	461405.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	500.0000	472860.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	500.0000	475819.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	500.0000	474134.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	500.0000	513653.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	500.0000	535892.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	500.0000	560859.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D

Internal Standard

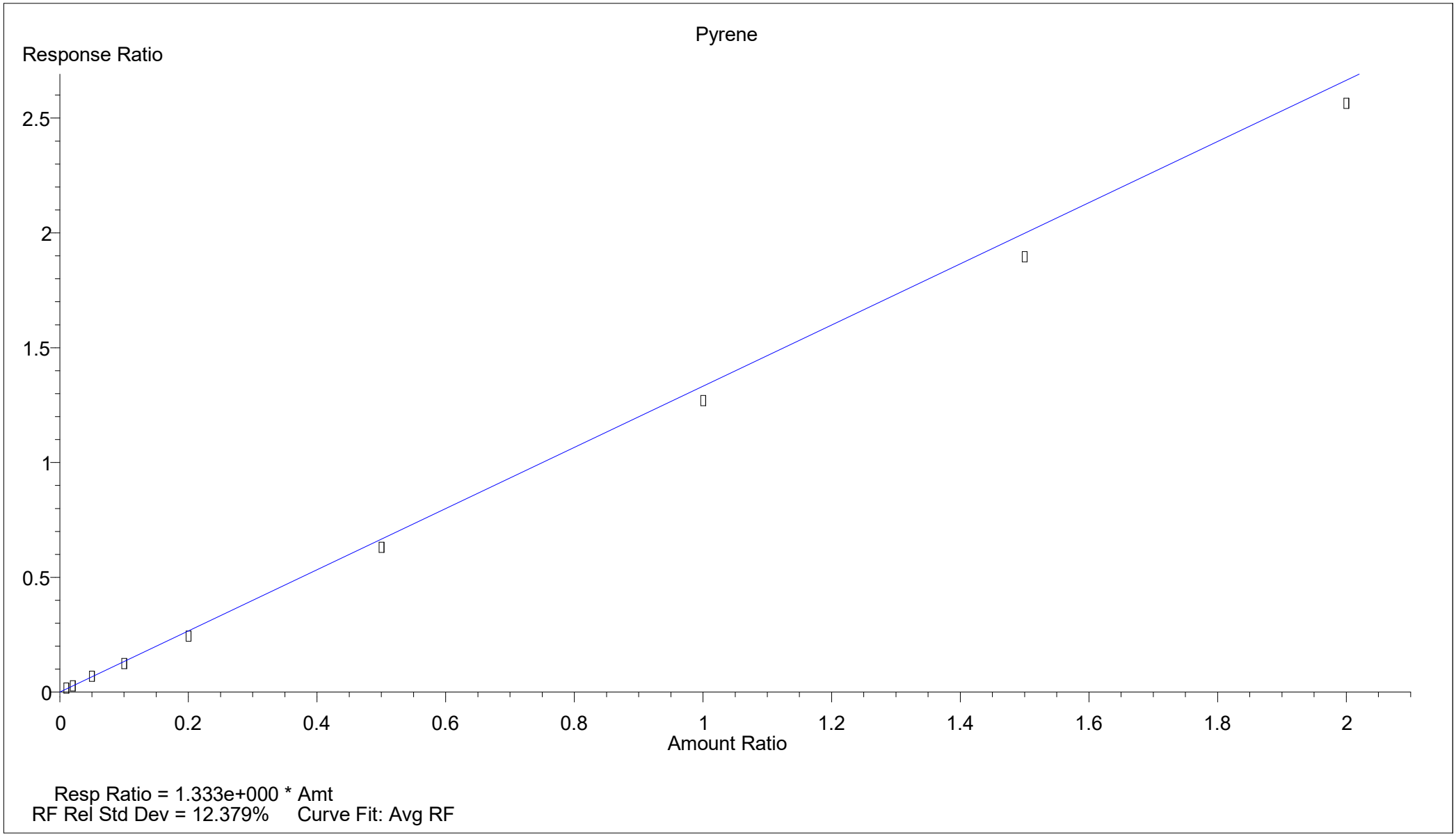
Calibration data of Pyrene-D10

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.011890	4.23	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.022185	-2.77	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.059360	4.07	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.111773	-2.02	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.219283	-3.89	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.570611	0.04	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.143071	0.20	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.697142	-0.82	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.303563	0.96	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



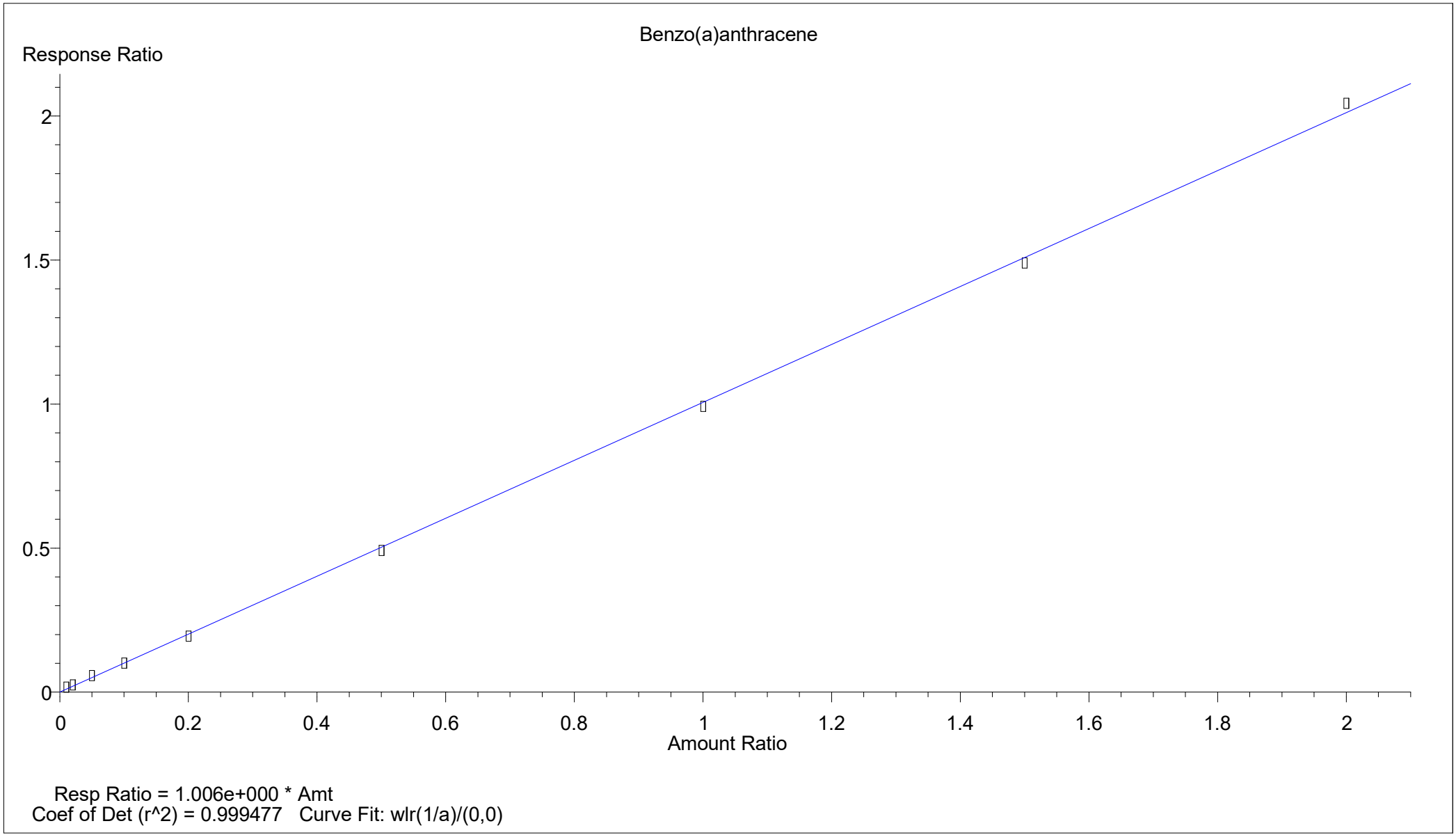
Calibration data of Pyrene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.017536	31.59	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.026750	0.37	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.068571	2.91	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.123958	-6.98	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.242952	-8.84	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.630372	-5.39	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.269809	-4.71	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.896128	-5.14	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.563578	-3.81	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



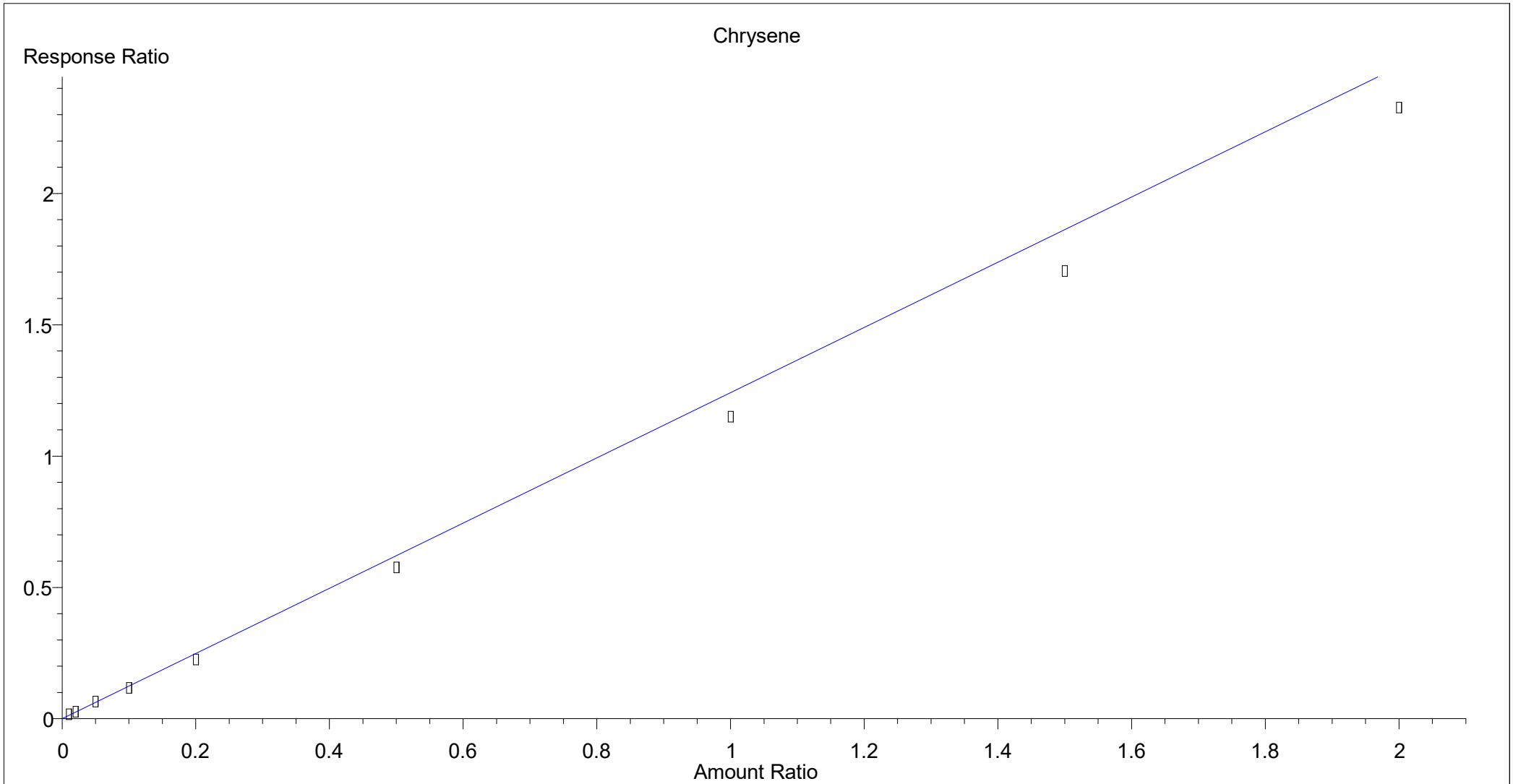
Calibration data of Benzo(a)anthracene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.016872	67.77	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.025001	24.30	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.057336	14.02	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.100480	-0.09	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.193788	-3.65	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.491850	-2.19	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.992047	-1.36	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.489748	-1.25	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.043506	1.60	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Calibration data of Chrysene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.016700	34.50	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.026035	4.84	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.065155	4.95	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.116901	-5.85	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.225710	-9.11	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.576052	-7.21	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.150146	-7.37	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.704625	-8.47	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.327170	-6.29	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Resp Ratio = 1.242e+000 * Amt
RF Rel Std Dev = 14.023% Curve Fit: Avg RF

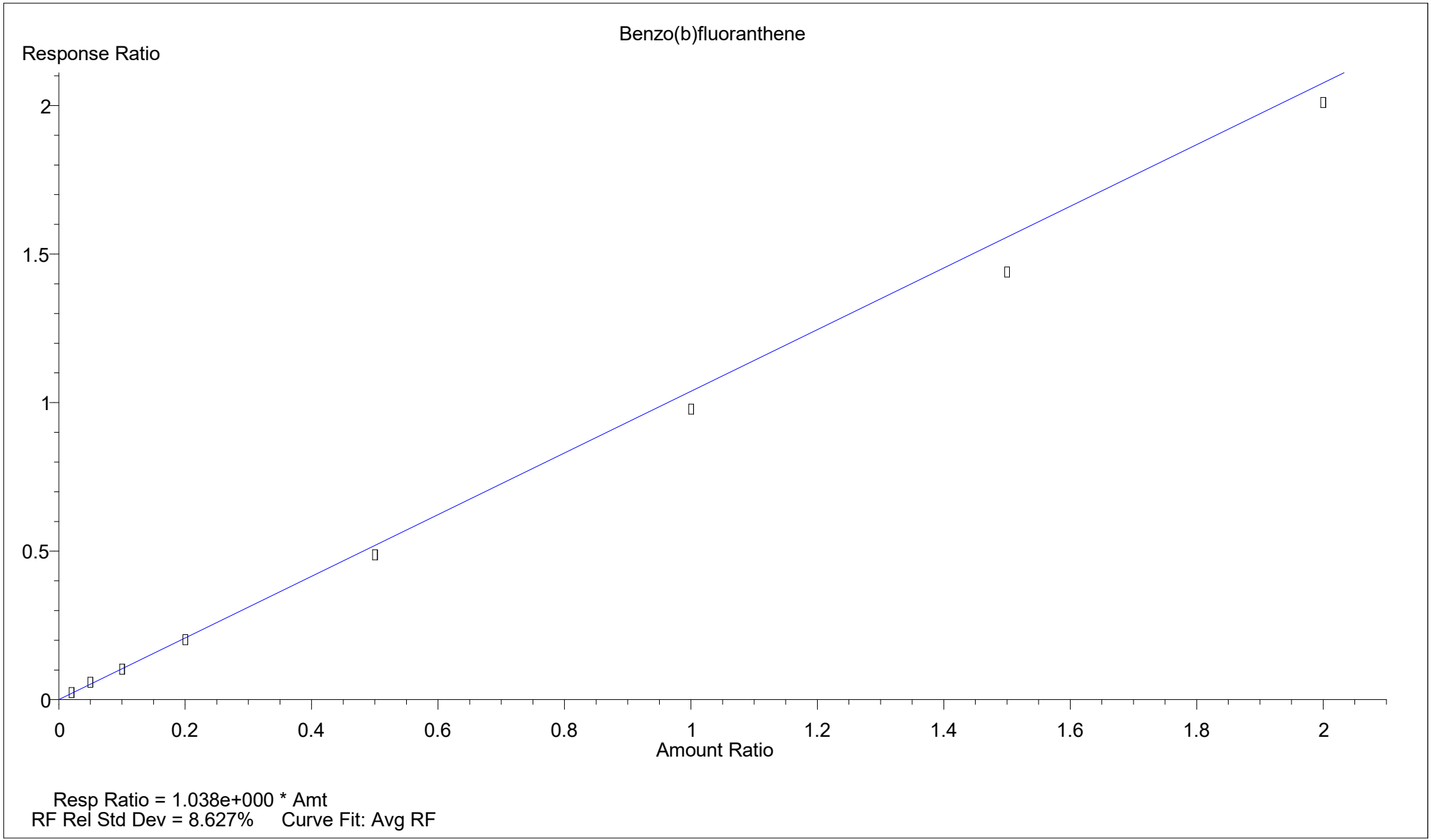
Calibration data of PERYLENE-D12

LvLID	Amount (ratio)	Response (ratio)	Data File
1	500.0000	596721.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_09.D
2	500.0000	426439.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	500.0000	429893.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	500.0000	438380.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	500.0000	462282.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	500.0000	469325.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	500.0000	500118.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	500.0000	551655.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	500.0000	588262.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	500.0000	618112.000000	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D

Internal Standard

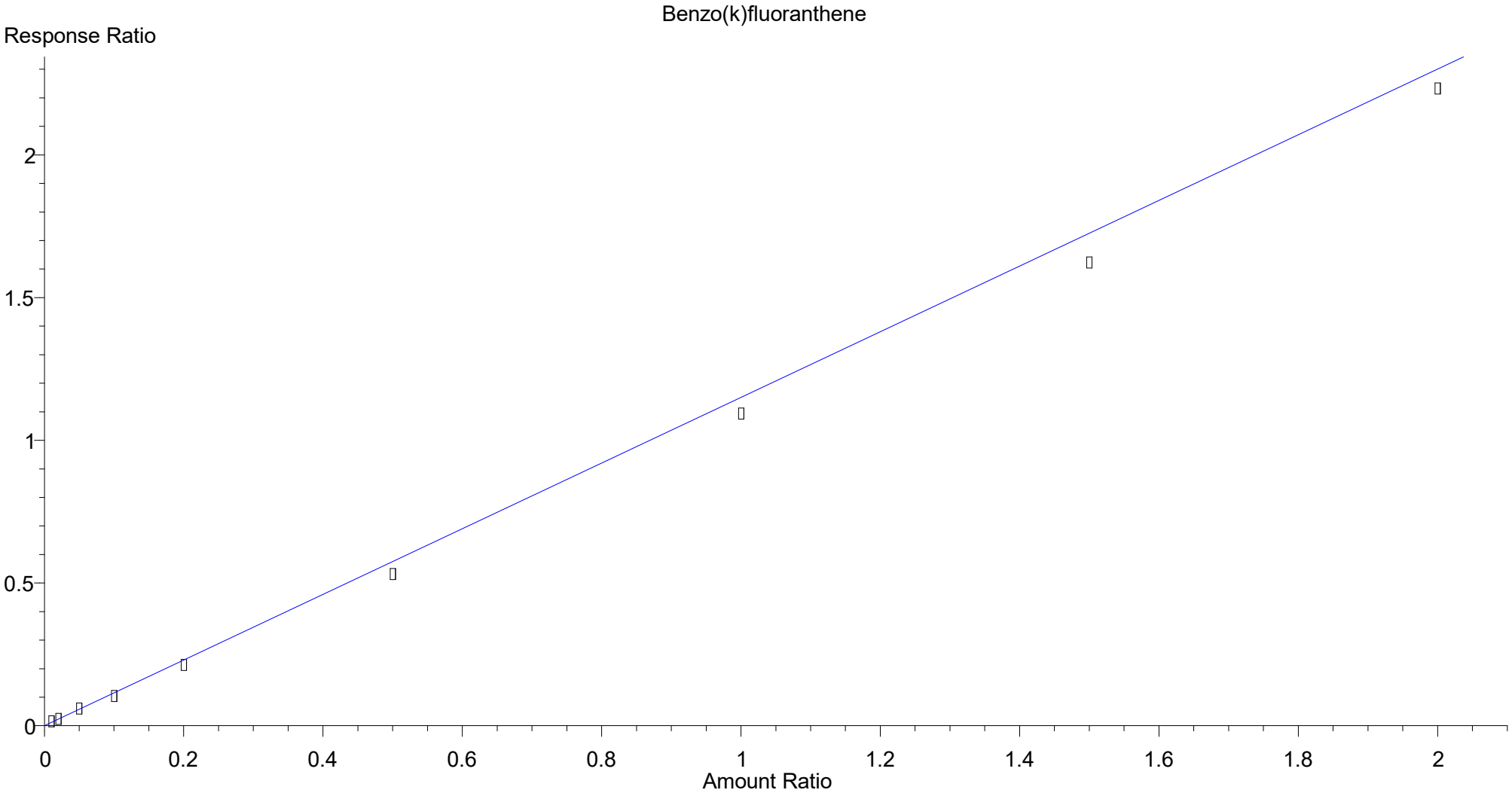
Calibration data of Benzo(b)fluoranthene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
3	0.0200	0.023825	14.77	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.058315	12.37	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.102191	-1.54	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.201530	-2.91	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.487141	-6.13	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.977421	-5.83	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.439258	-7.55	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.009526	-3.19	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Calibration data of Benzo(k)fluoranthene

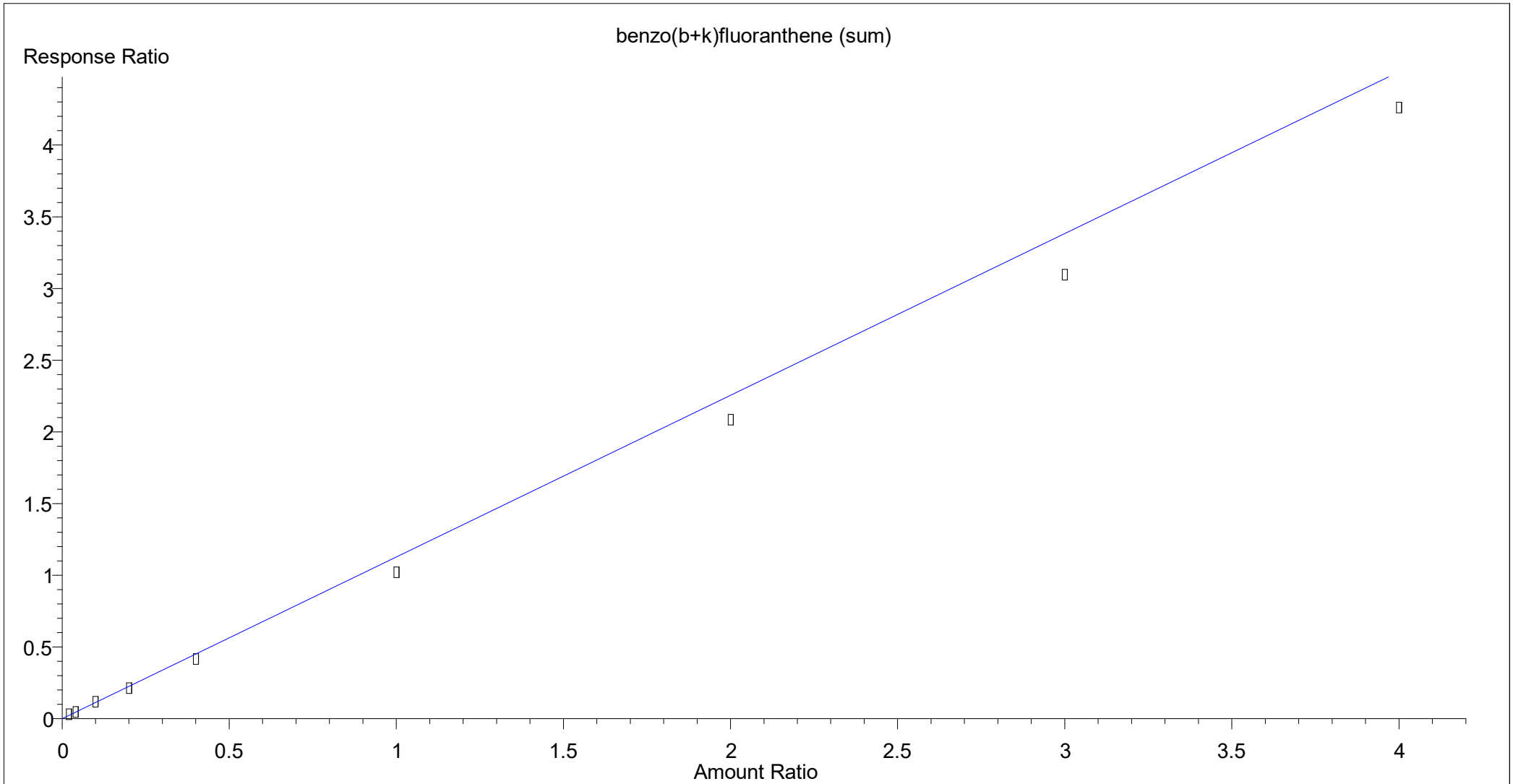
LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.015109	31.35	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.023608	2.62	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.060055	4.42	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.104110	-9.49	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.212972	-7.42	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.531499	-7.58	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.093102	-4.97	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.622529	-5.96	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.231977	-2.98	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Resp Ratio = 1.150e+000 * Amt
RF Rel Std Dev = 12.655% Curve Fit: Avg RF

Calibration data of benzo(b+k)fluoranthene (sum)

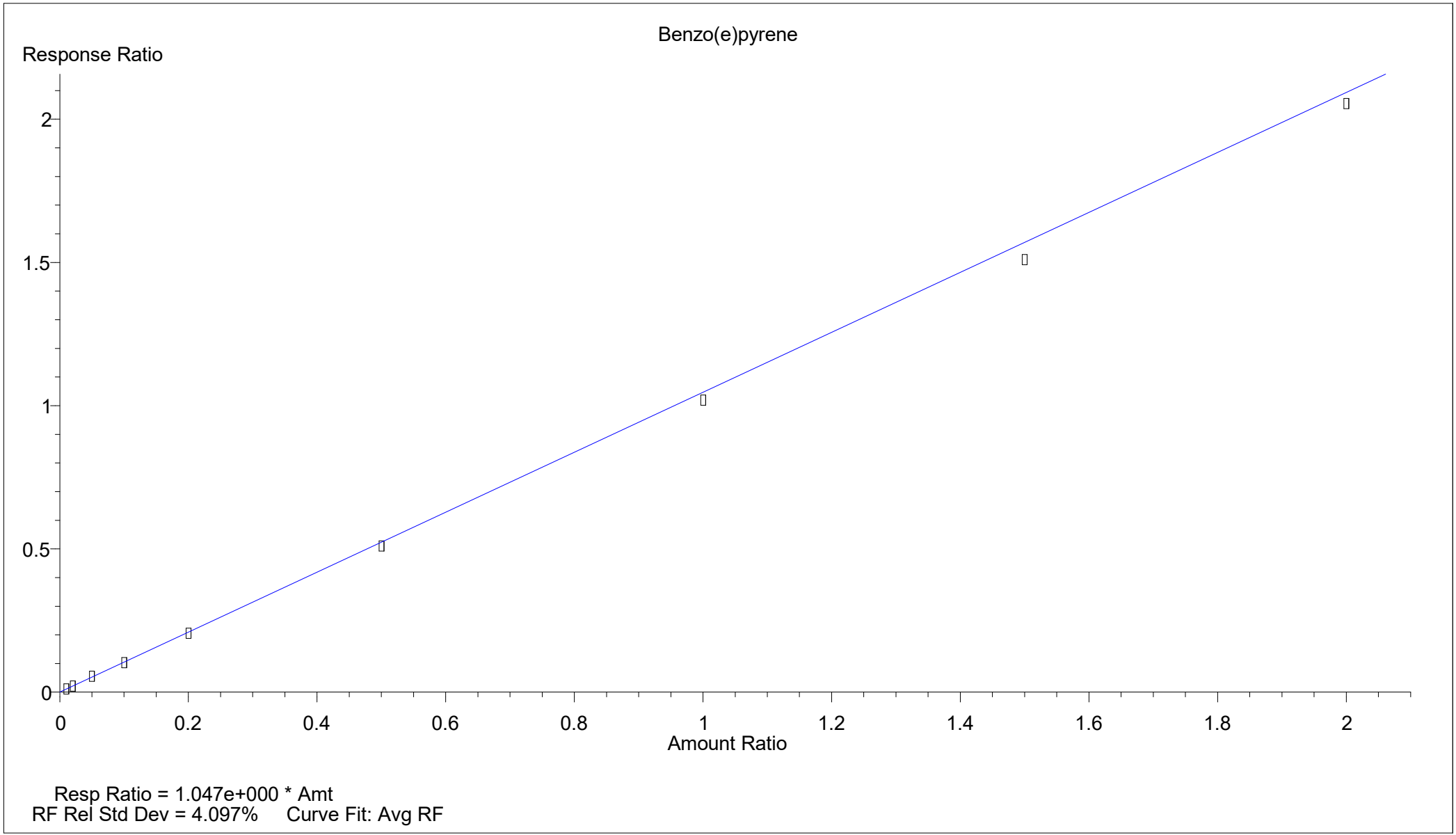
LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0200	0.030752	36.35	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0400	0.046742	3.62	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.1000	0.118155	4.77	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.2000	0.212420	-5.82	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.4000	0.415686	-7.85	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	1.0000	1.020983	-9.47	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	2.0000	2.084868	-7.56	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	3.0000	3.095177	-8.51	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	4.0000	4.261610	-5.53	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Resp Ratio = 1.128e+000 * Amt
RF Rel Std Dev = 14.587% Curve Fit: Avg RF

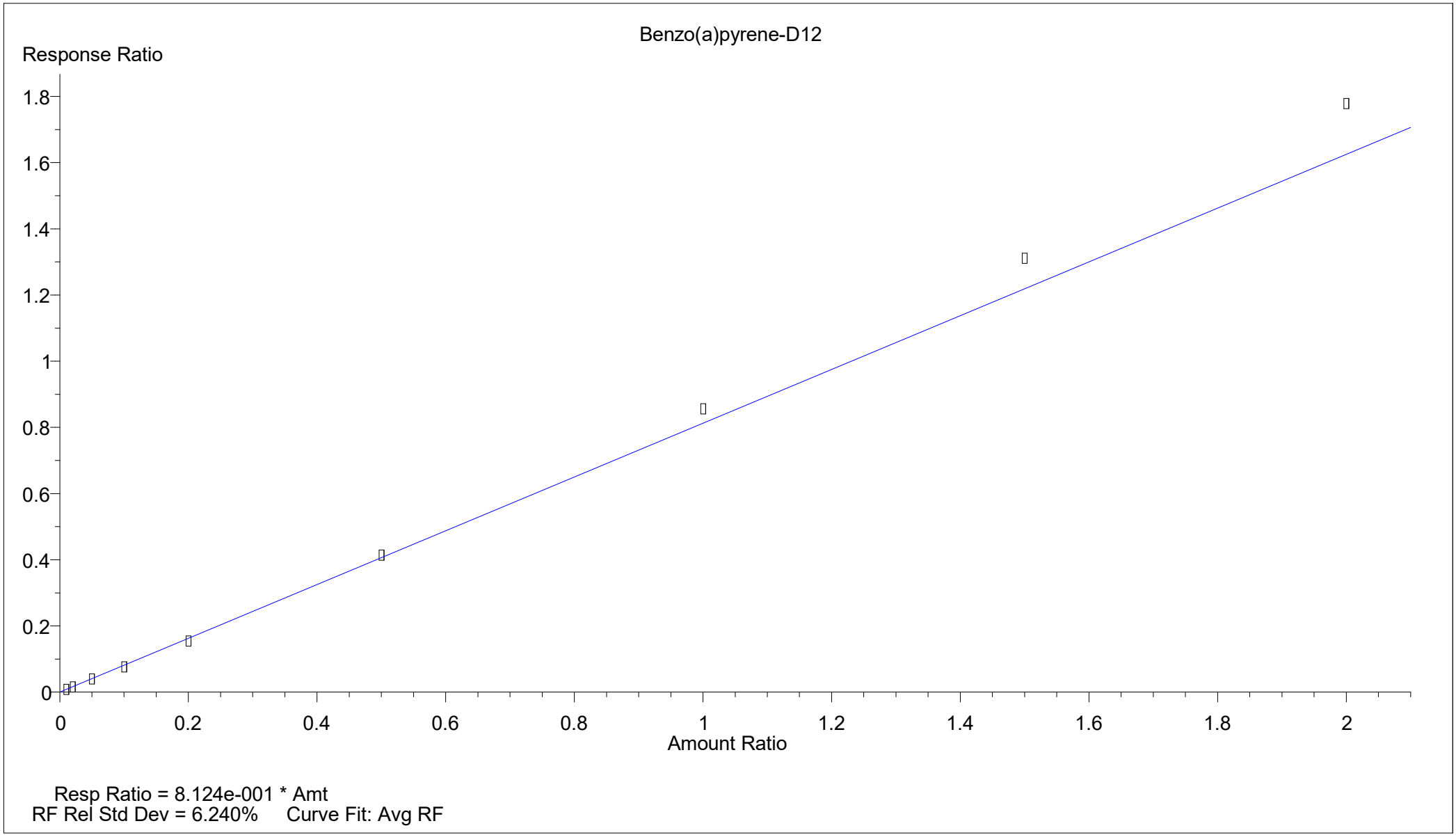
Calibration data of Benzo(e)pyrene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.011261	7.57	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.021098	0.77	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.055568	6.17	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.102890	-1.71	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.205389	-1.90	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.510216	-2.52	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.019282	-2.63	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.509169	-3.89	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.054759	-1.86	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



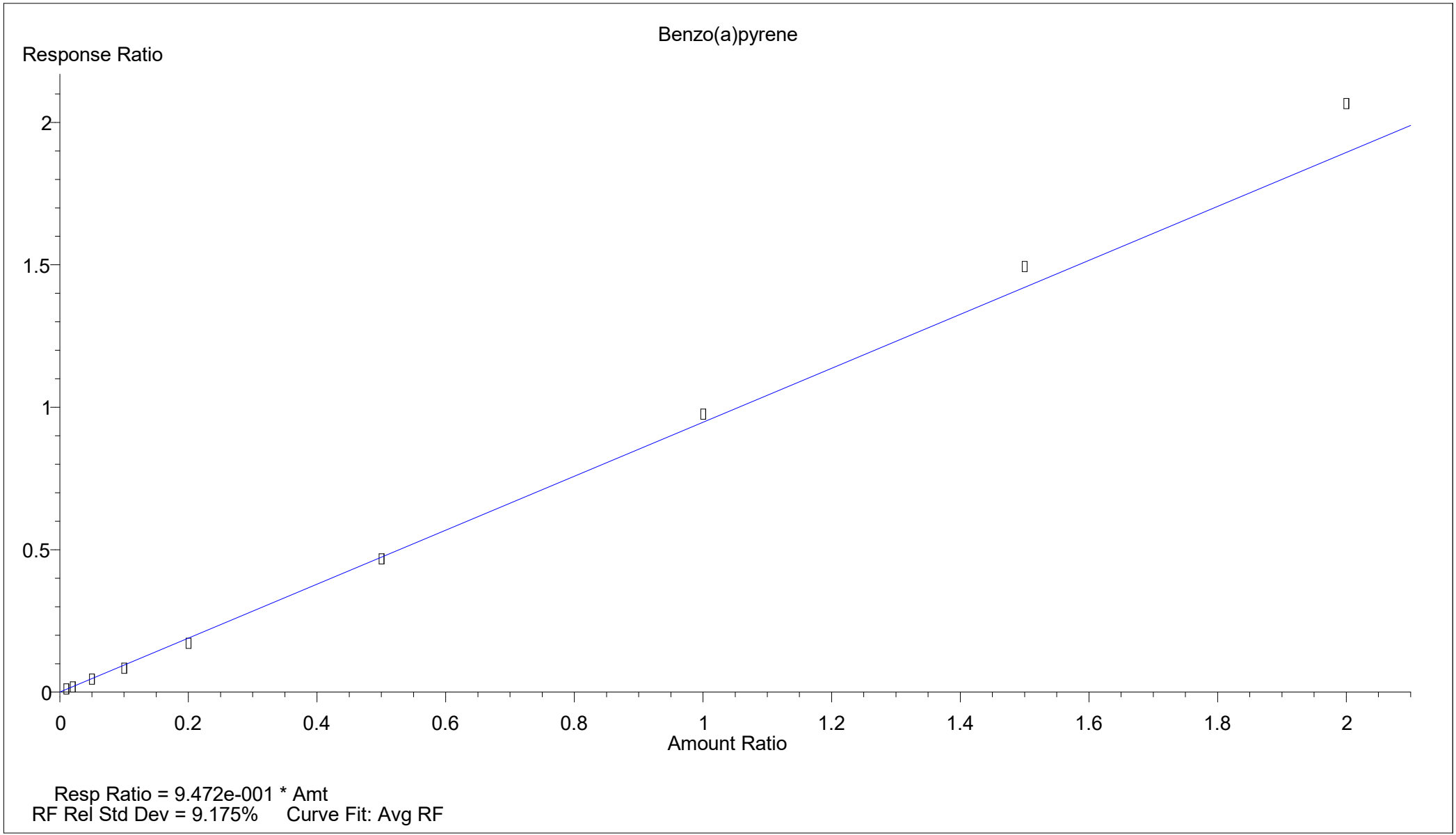
Calibration data of Benzo(a)pyrene-D12

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.007760	-4.48	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.015150	-6.75	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.039922	-1.71	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.076220	-6.17	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.154177	-5.10	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.413670	1.85	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.855817	5.35	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.310663	7.56	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	1.778474	9.46	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



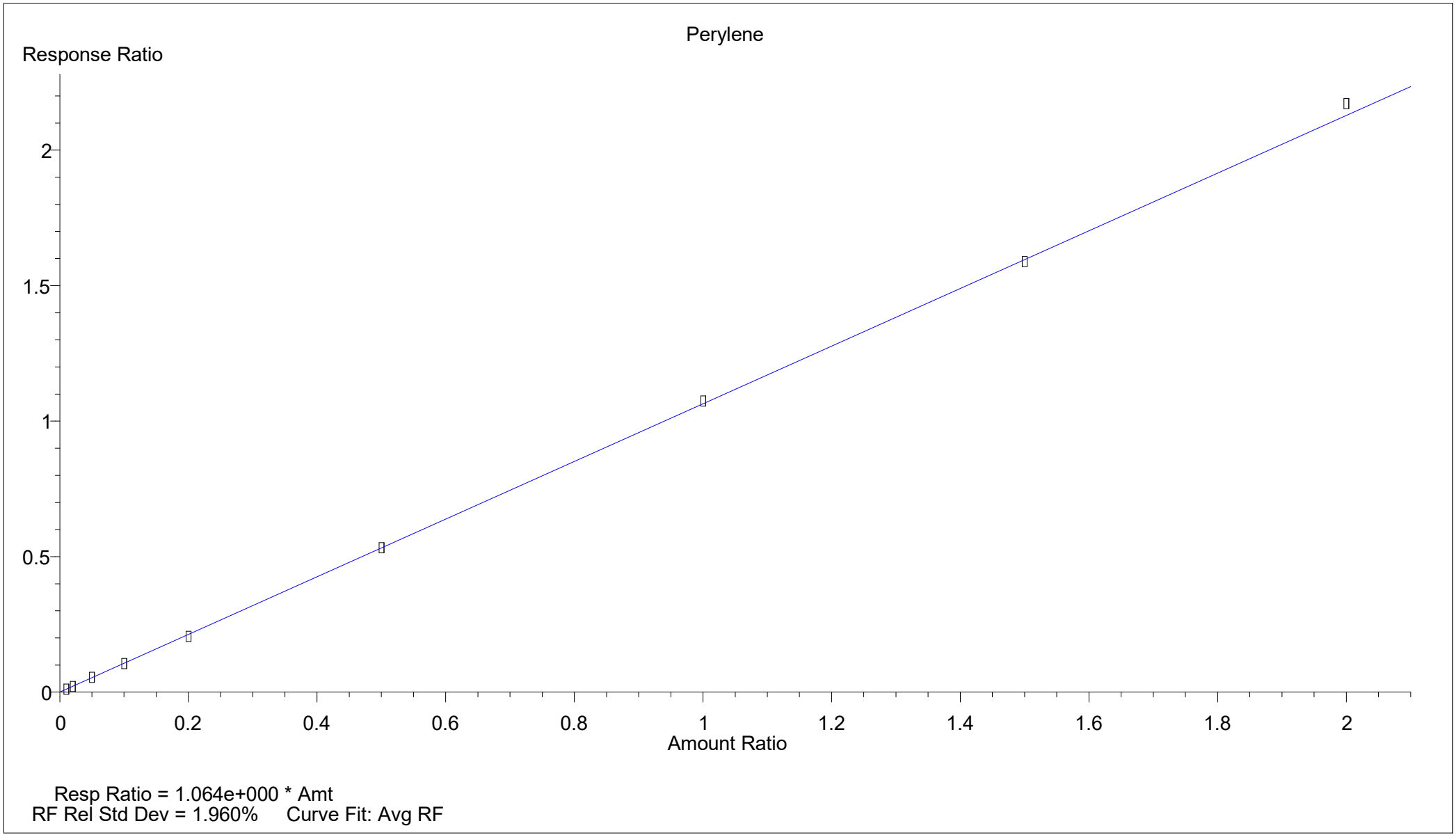
Calibration data of Benzo(a)pyrene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.011019	16.33	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.017723	-6.45	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.045143	-4.68	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.083815	-11.51	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.171265	-9.59	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.467728	-1.24	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.975360	2.97	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.493437	5.11	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.066048	9.06	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



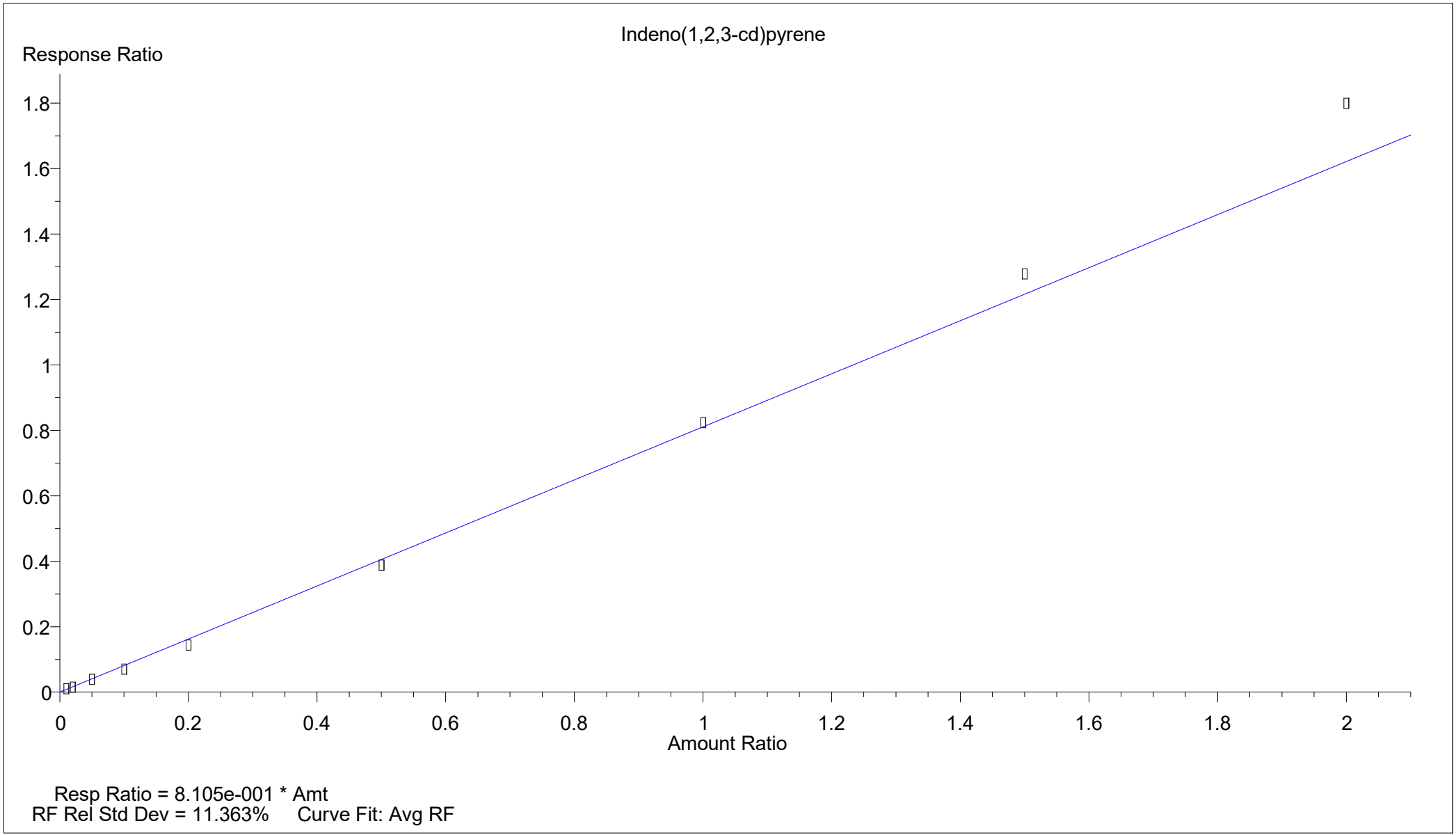
Calibration data of Perylene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.010839	1.89	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.020889	-1.82	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.054318	2.12	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.104767	-1.51	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.205510	-3.40	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.532616	0.14	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.074199	0.98	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.588155	-0.47	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.171589	2.07	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



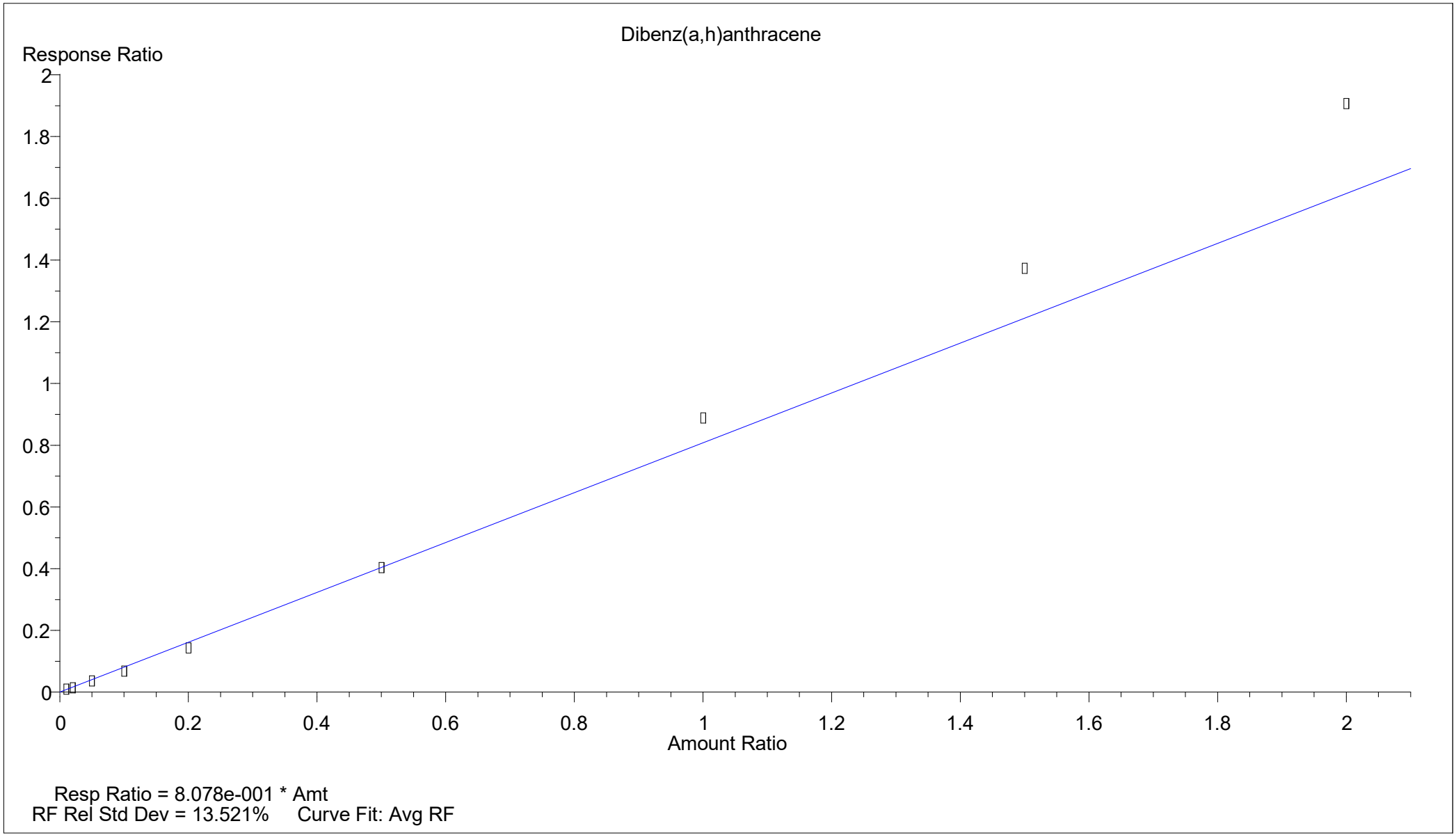
Calibration data of Indeno(1,2,3-cd)pyrene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.009908	22.23	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.015225	-6.08	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.038722	-4.45	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.070219	-13.37	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.143240	-11.64	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.387673	-4.34	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.823524	1.60	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.277623	5.08	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	1.798841	10.97	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



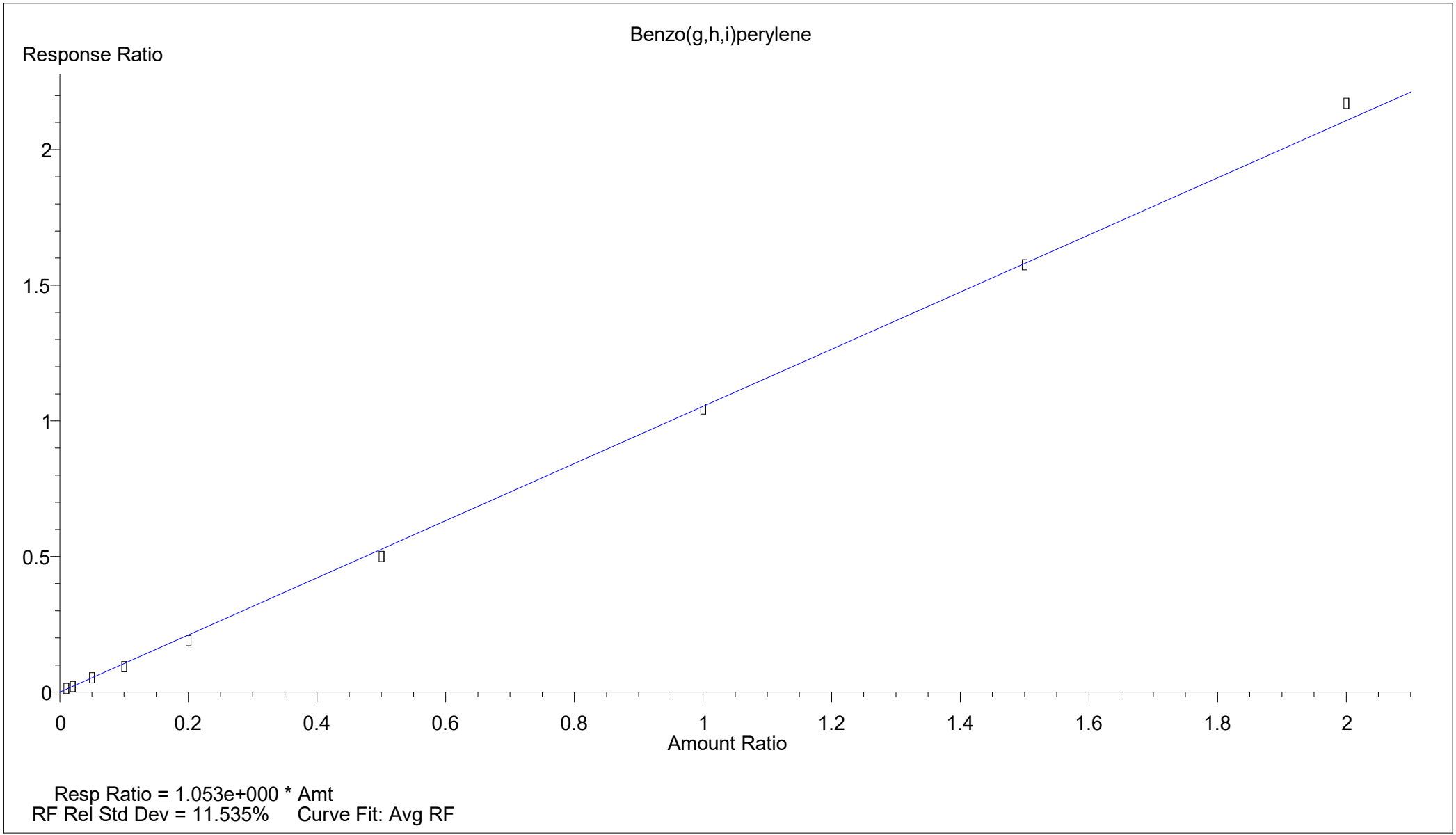
Calibration data of Dibenz(a,h)anthracene

LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.009047	11.99	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.013866	-14.18	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.035891	-11.14	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.067840	-16.02	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.142669	-11.70	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.403097	-0.20	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	0.887890	9.91	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.372921	13.30	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	1.906928	18.03	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D



Calibration data of Benzo(g,h,i)perylene

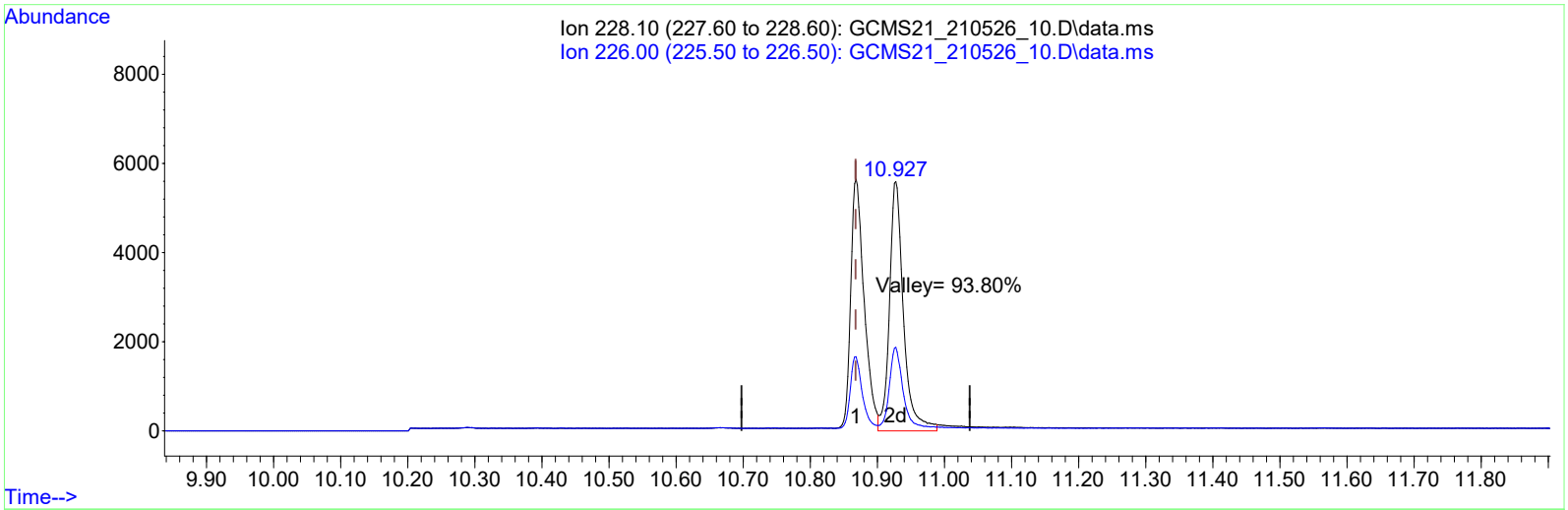
LvLID	Amount (ratio)	Response (ratio)	bias (%)	Data File
2	0.0100	0.013503	28.21	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_10.D
3	0.0200	0.020456	-2.88	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_11.D
4	0.0500	0.052135	-0.99	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_12.D
5	0.1000	0.093620	-11.10	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_13.D
6	0.2000	0.189617	-9.97	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_14.D
7	0.5000	0.499588	-5.12	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_15.D
8	1.0000	1.043542	-0.91	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_16.D
9	1.5000	1.575249	-0.28	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_17.D
10	2.0000	2.170330	3.04	D:\MassHunter\GCMS\1\data\210526_ICAL\GCMS21_210526_18.D

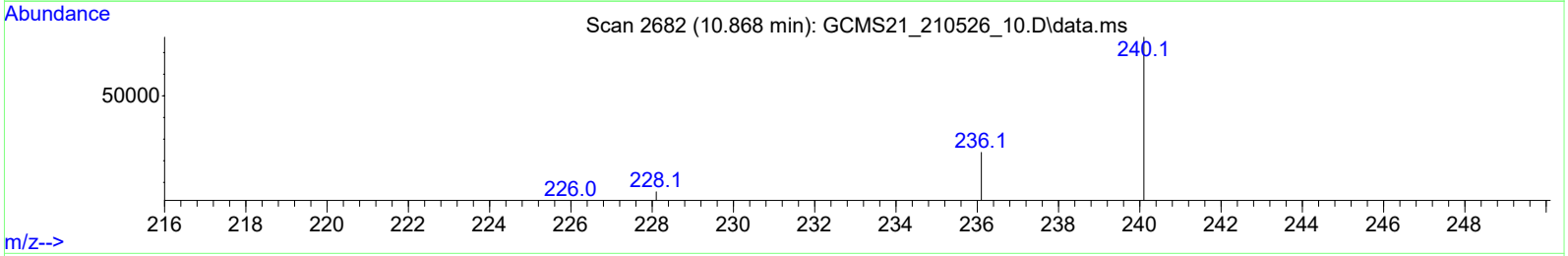


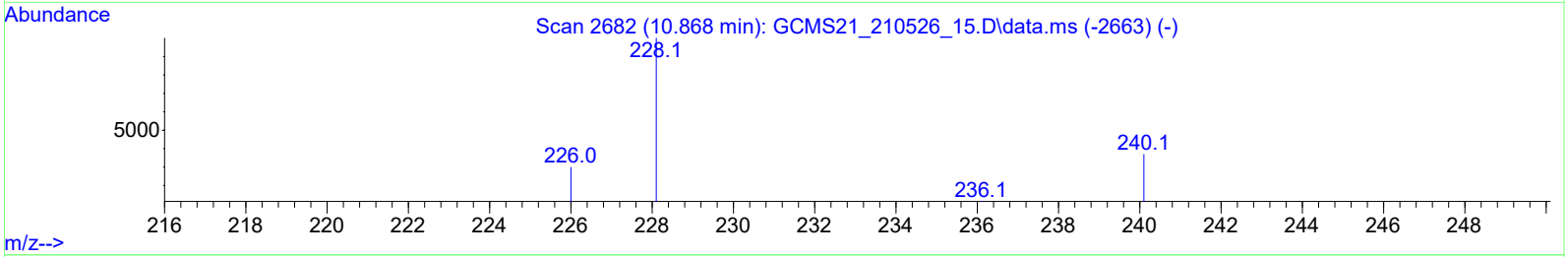
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_10.D
Acq On : 26 May 2021 14:42
Operator : MN GCMS21
Sample : CAL 2_5ng/mL
Misc : LIMS 21B0102
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:08:54 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_10.D\data.ms

(19) Benzo(a)anthracene (M)

10.868min (+ 0.000) 8.39 ng/mL

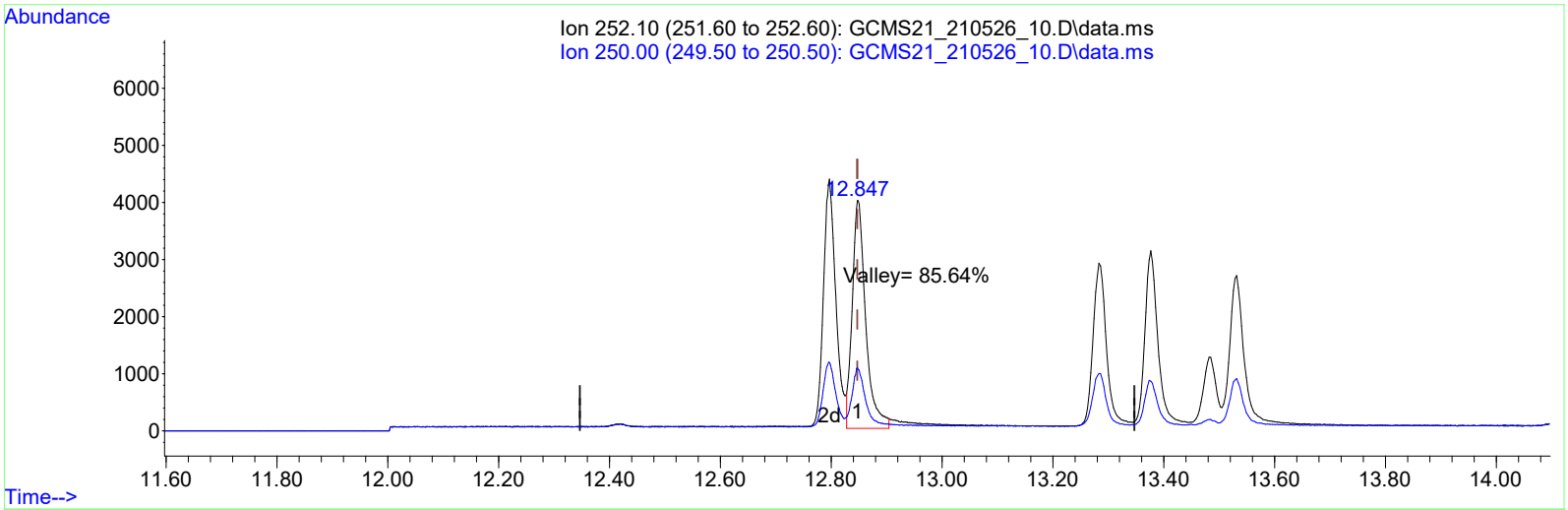
response 7752

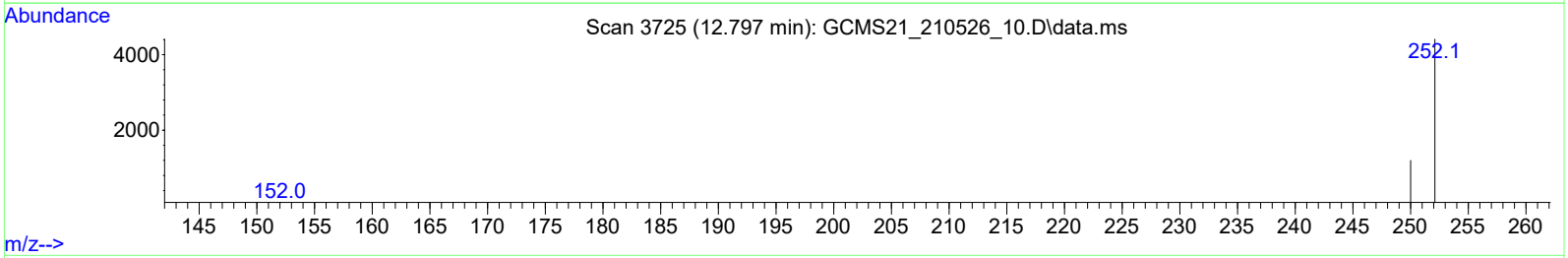
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	25.49
0.00	0.00	0.00
0.00	0.00	0.00

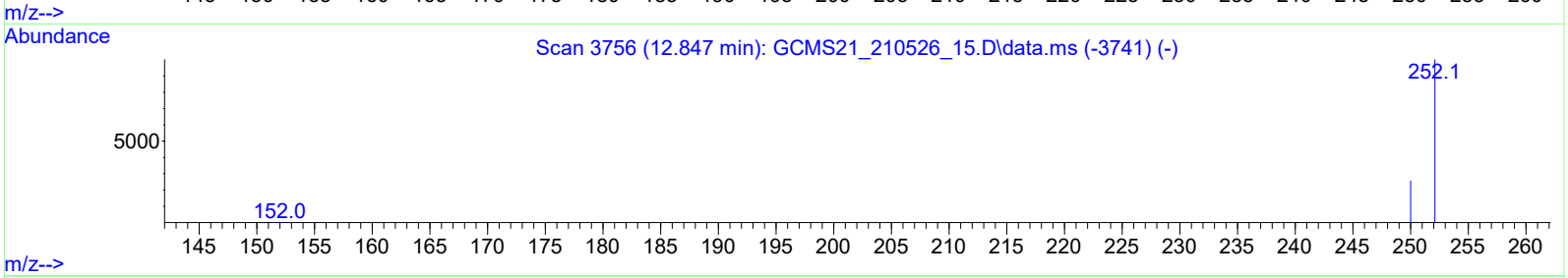
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_10.D
Acq On : 26 May 2021 14:42
Operator : MN GCMS21
Sample : CAL 2_5ng/mL
Misc : LIMS 21B0102
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:08:54 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_10.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.797min (-0.050) 13.63 ng/mL m

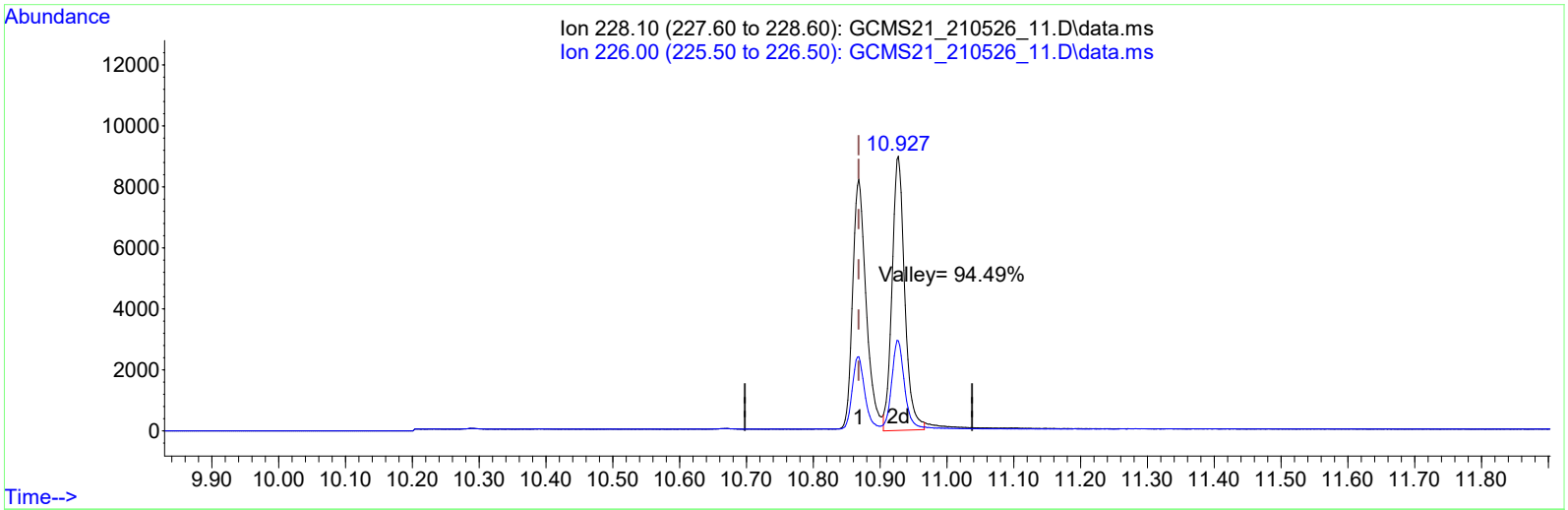
response 13105

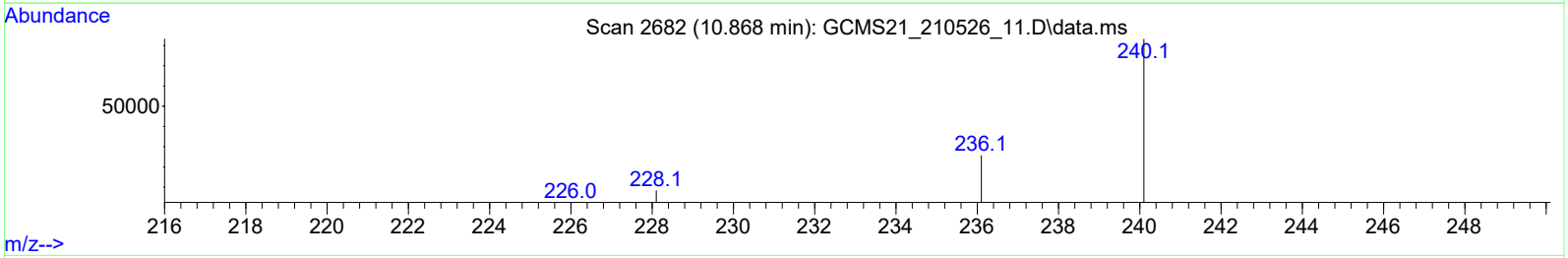
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	25.36
0.00	0.00	0.00
0.00	0.00	0.00

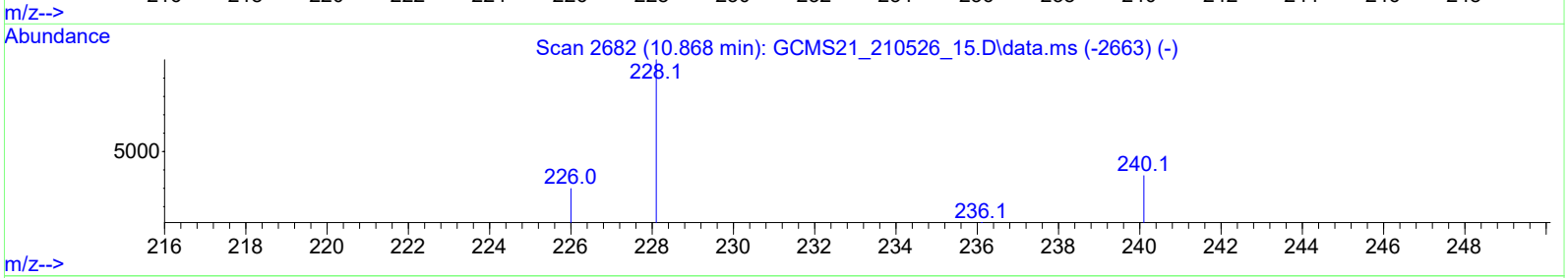
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_11.D
Acq On : 26 May 2021 15:07
Operator : MN GCMS21
Sample : CAL 3_10ng/mL
Misc : LIMS 21B0103
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 11:11:24 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_11.D\data.ms

(19) Benzo(a)anthracene (M)

10.868min (+ 0.000) 12.43 ng/mL

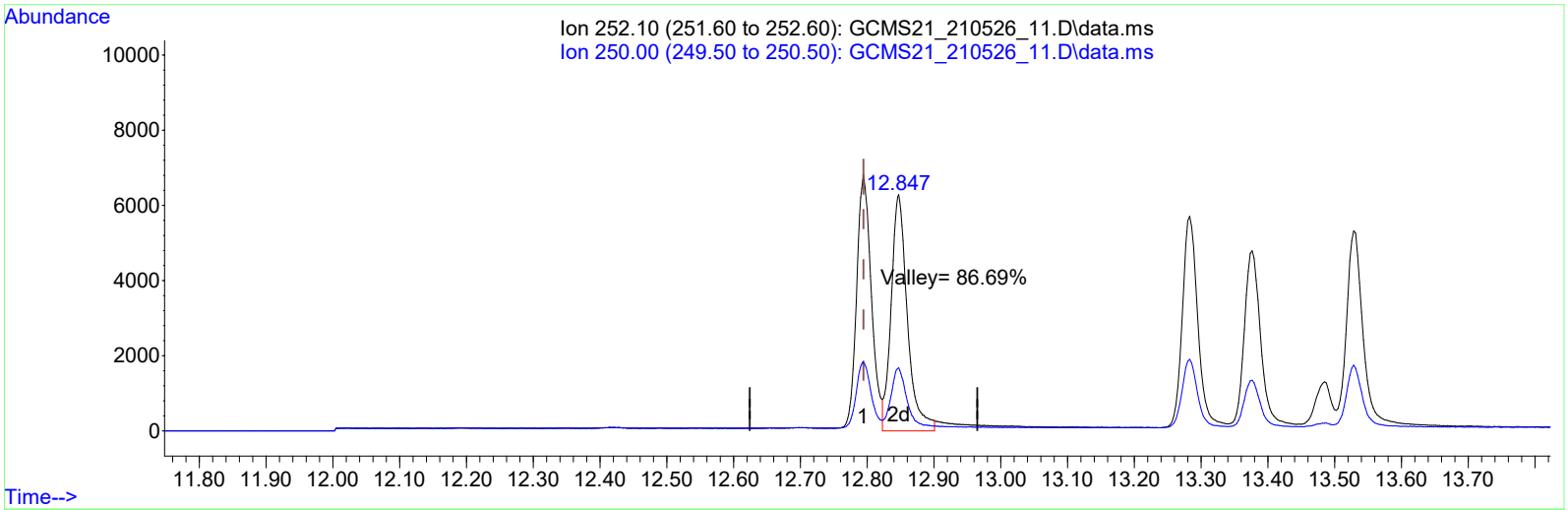
response 11435

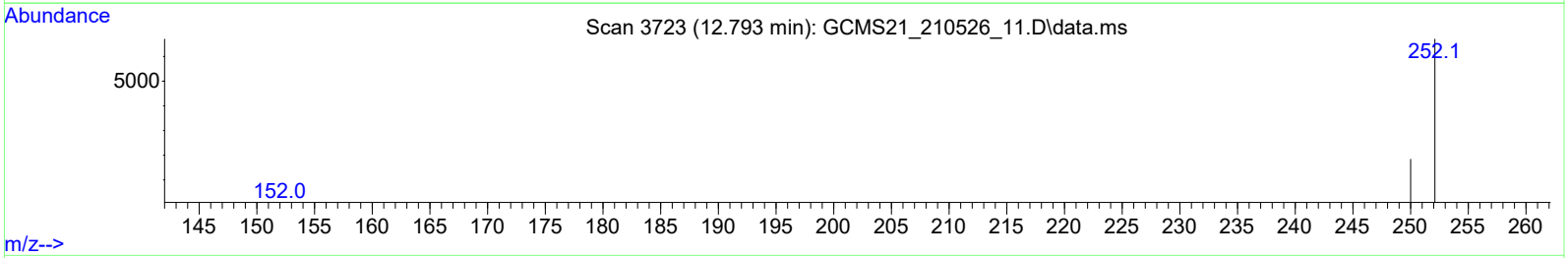
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	26.96
0.00	0.00	0.00
0.00	0.00	0.00

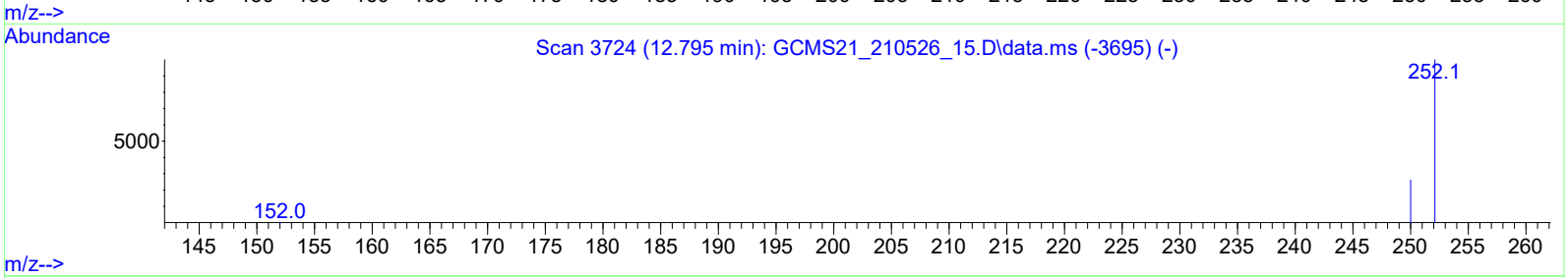
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_11.D
Acq On : 26 May 2021 15:07
Operator : MN GCMS21
Sample : CAL 3_10ng/mL
Misc : LIMS 21B0103
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 11:11:24 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_11.D\data.ms

(22) Benzo(b)fluoranthene (M)

12.793min (-0.002) 11.48 ng/mL

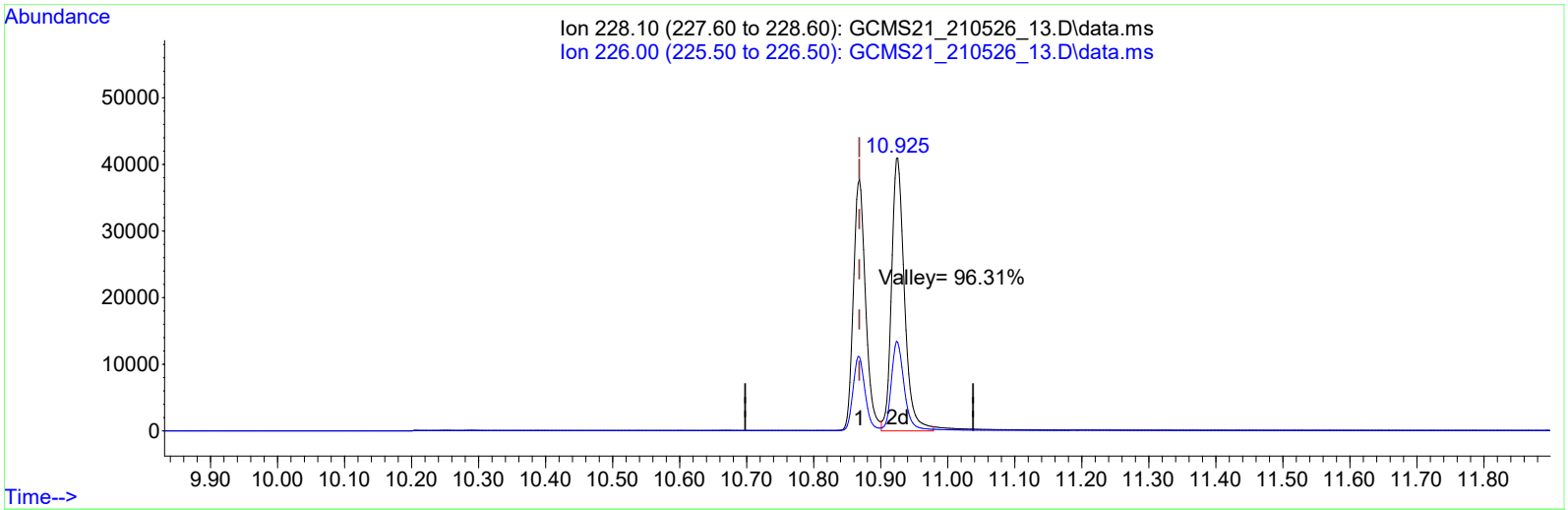
response 10242

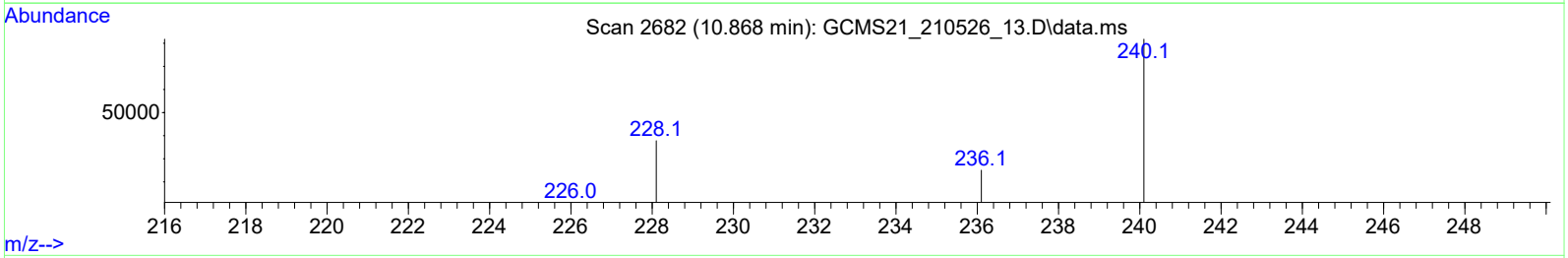
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	26.20	26.42
0.00	0.00	0.00
0.00	0.00	0.00

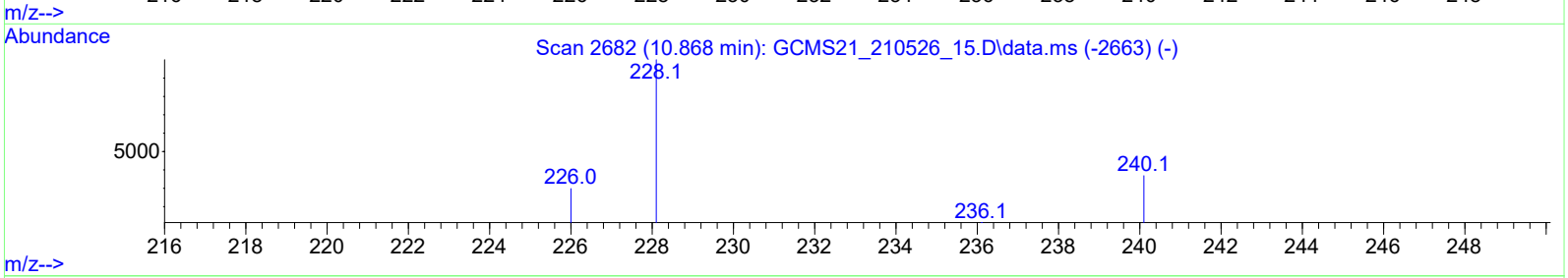
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_13.D
Acq On : 26 May 2021 15:57
Operator : MN GCMS21
Sample : CAL5_50ng/mL
Misc : LIMS 21B0105
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 11:12:23 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_13.D\data.ms

(19) Benzo(a)anthracene (M)

10.868min (+ 0.000) 49.96 ng/mL

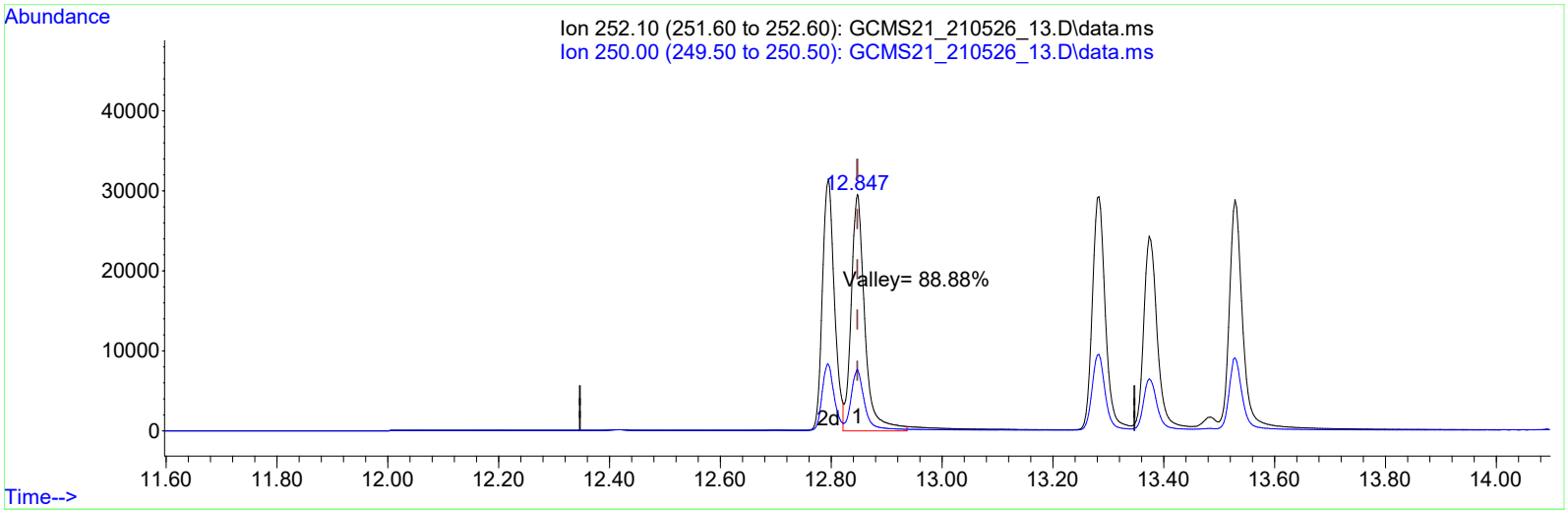
response 47513

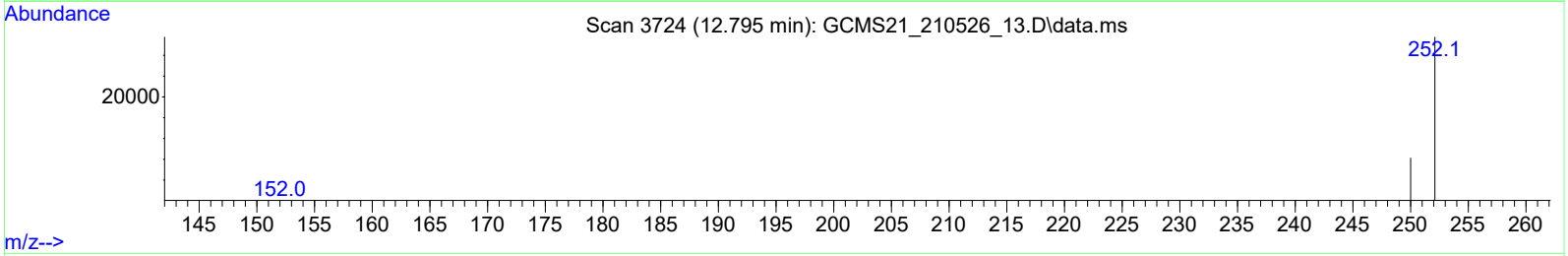
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	29.18
0.00	0.00	0.00
0.00	0.00	0.00

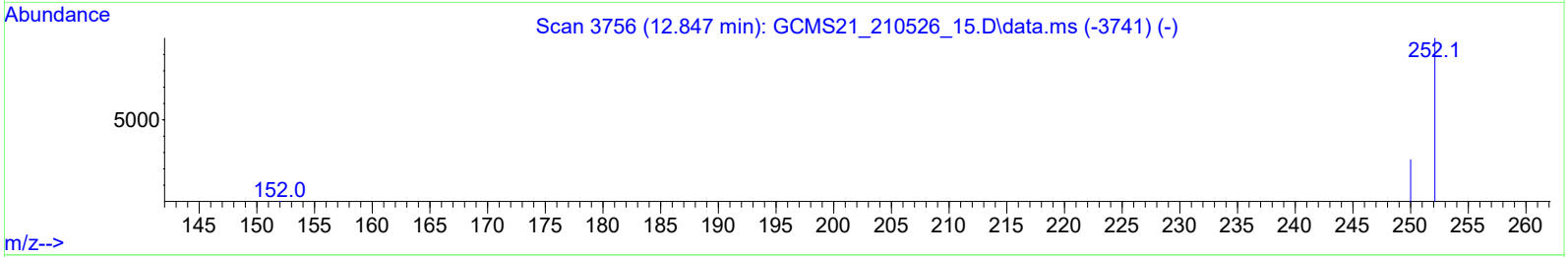
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_13.D
Acq On : 26 May 2021 15:57
Operator : MN GCMS21
Sample : CAL5_50ng/mL
Misc : LIMS 21B0105
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 11:12:23 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_13.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.795min (-0.052) 92.32 ng/mL m

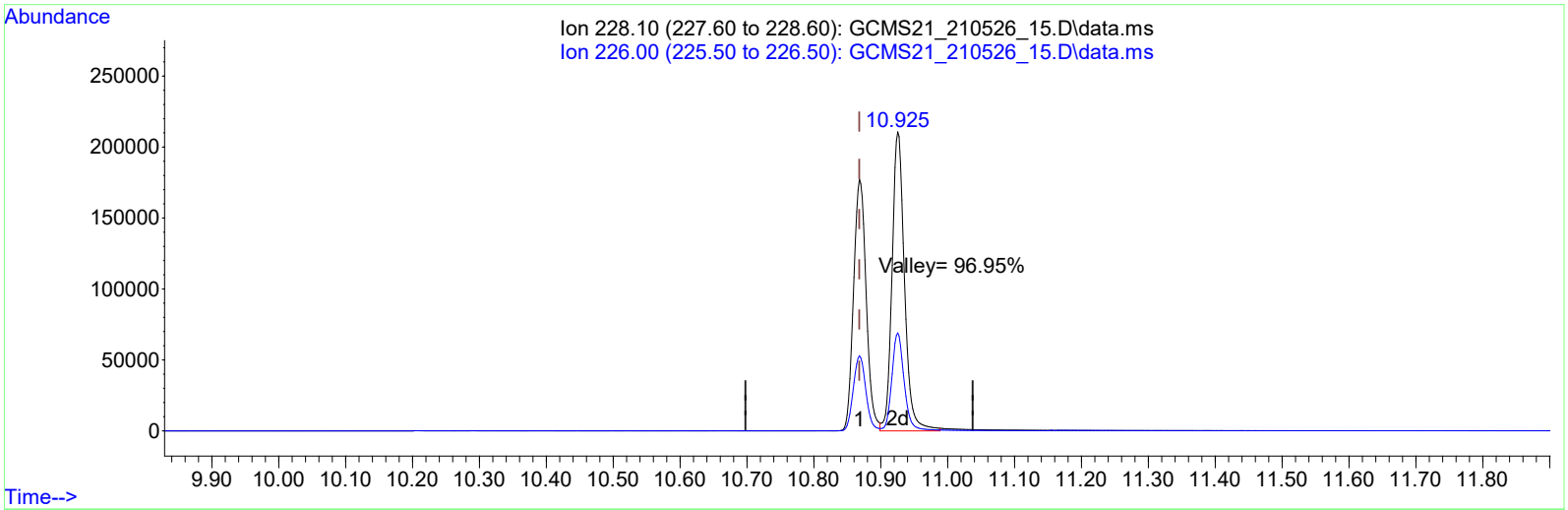
response 96261

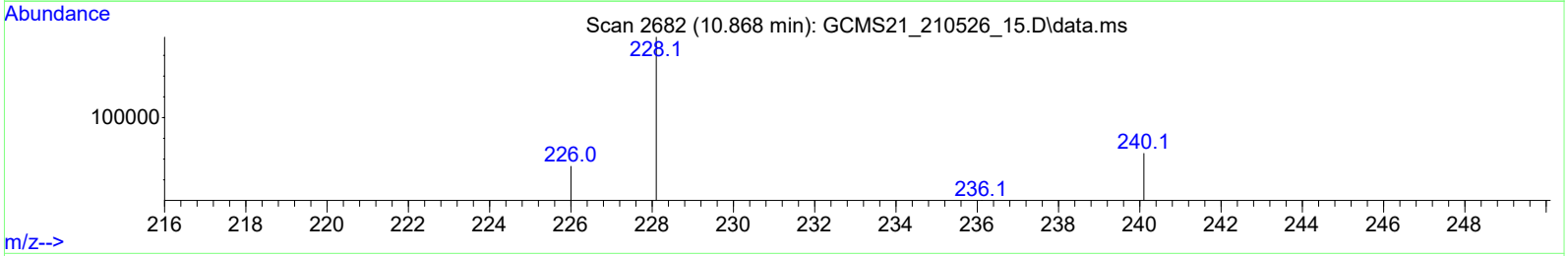
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	25.88
0.00	0.00	0.00
0.00	0.00	0.00

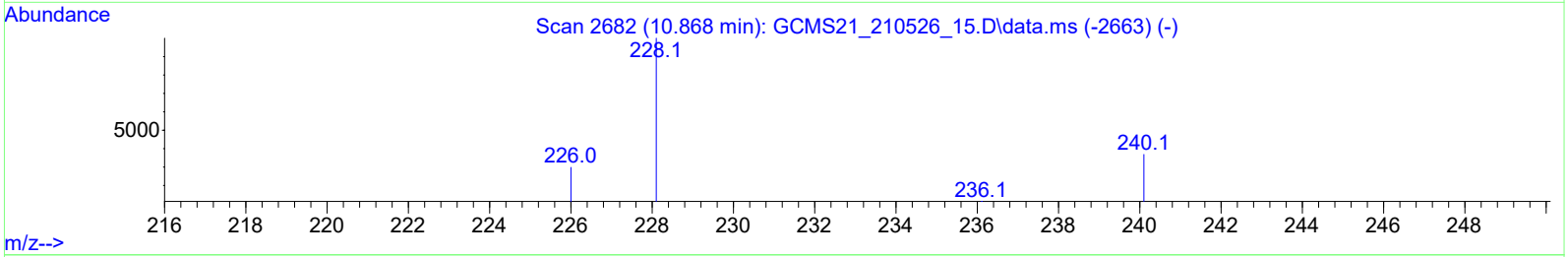
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_15.D
Acq On : 26 May 2021 16:47
Operator : MN GCMS21
Sample : CAL7_250ng/mL
Misc : LIMS 21B0107
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 11:13:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_15.D\data.ms

(19) Benzo(a)anthracene (M)

10.868min (+ 0.000) 244.53 ng/mL

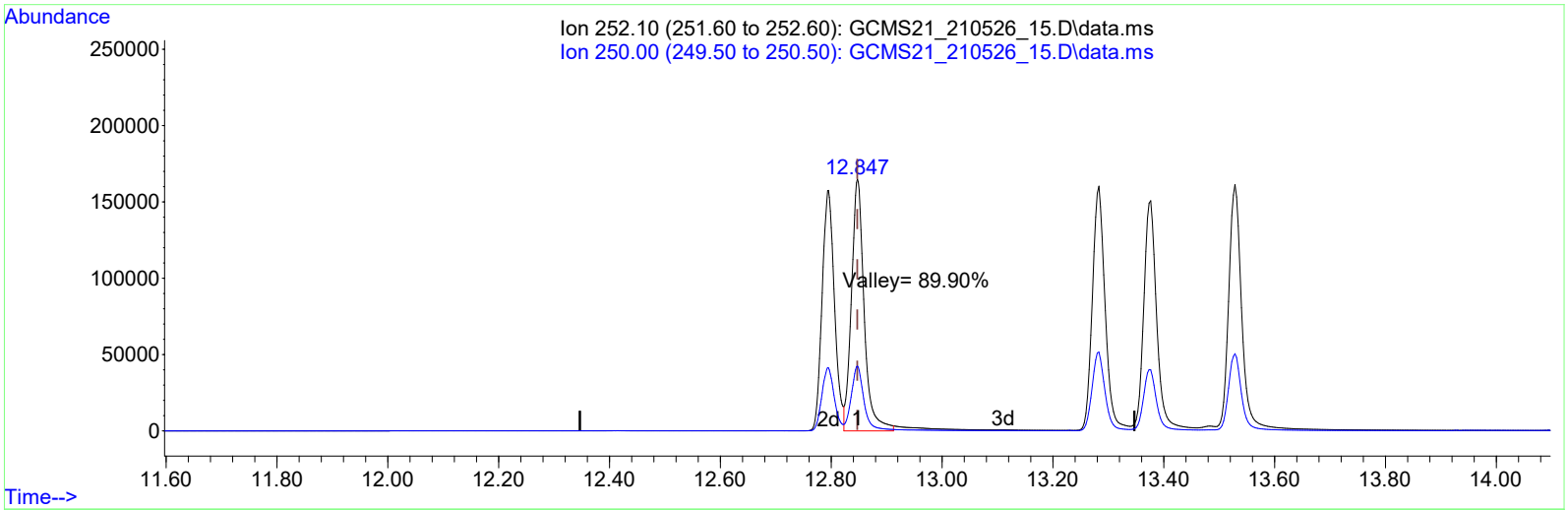
response 233203

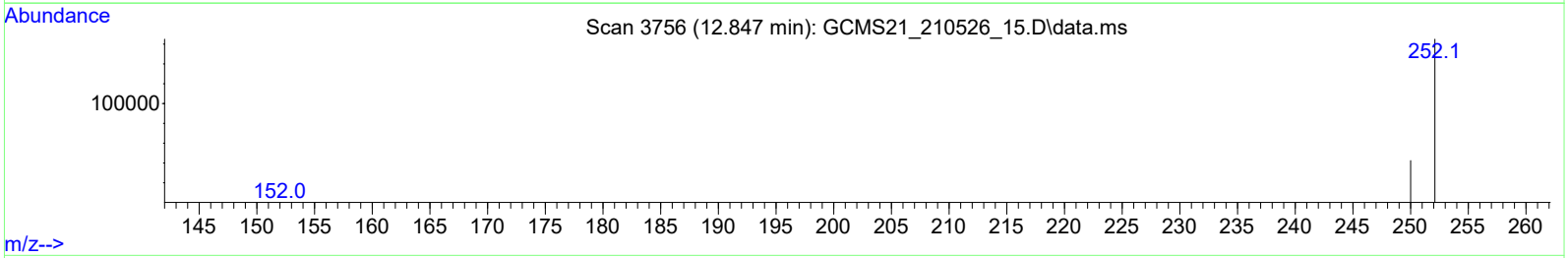
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	29.57
0.00	0.00	0.00
0.00	0.00	0.00

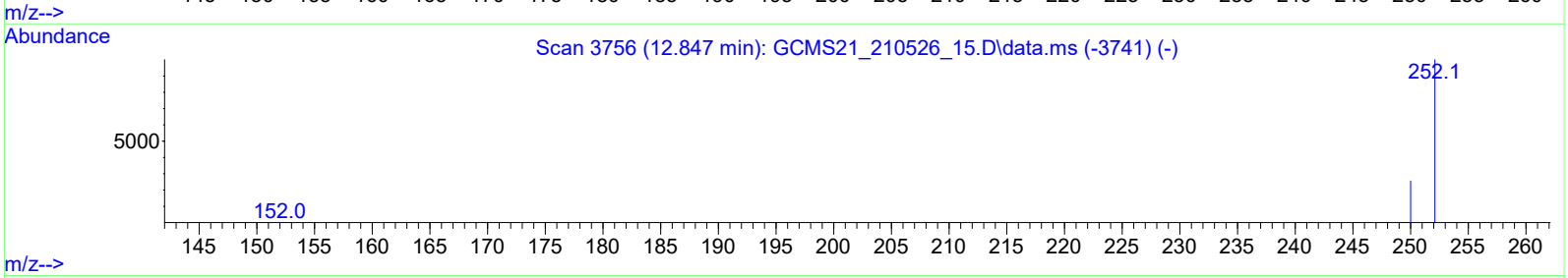
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_15.D
Acq On : 26 May 2021 16:47
Operator : MN GCMS21
Sample : CAL7_250ng/mL
Misc : LIMS 21B0107
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 11:13:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_15.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.847min (0.000) 446.49 ng/mL m

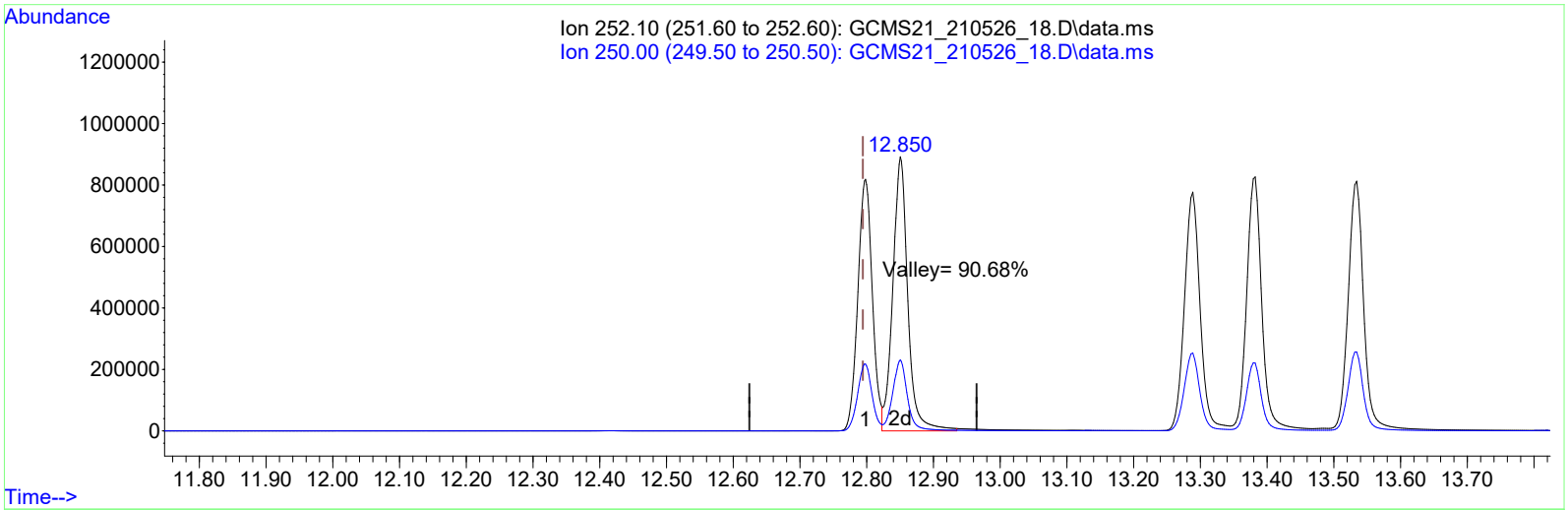
response 503636

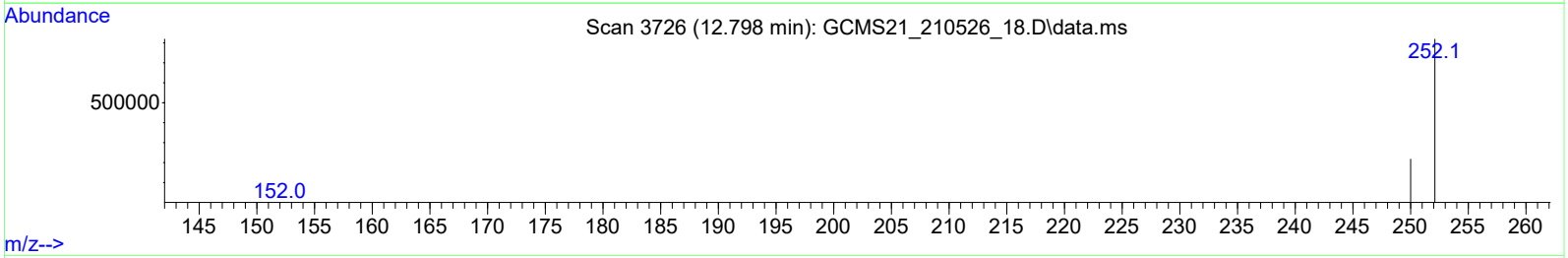
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	25.32
0.00	0.00	0.00
0.00	0.00	0.00

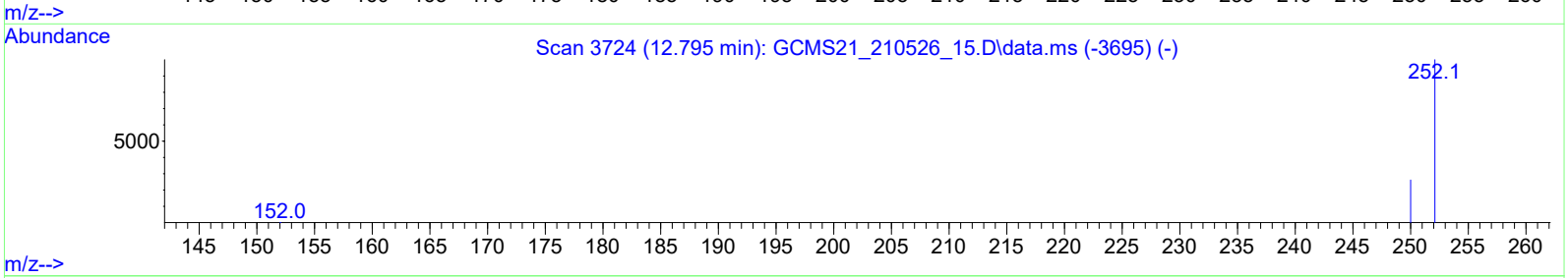
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_18.D
Acq On : 26 May 2021 18:02
Operator : MN GCMS21
Sample : CAL10_1000ng/mL
Misc : LIMS 21B0110
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:14:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_18.D\data.ms

(22) Benzo(b)fluoranthene (M)

12.798min (+ 0.003) 968.09 ng/mL

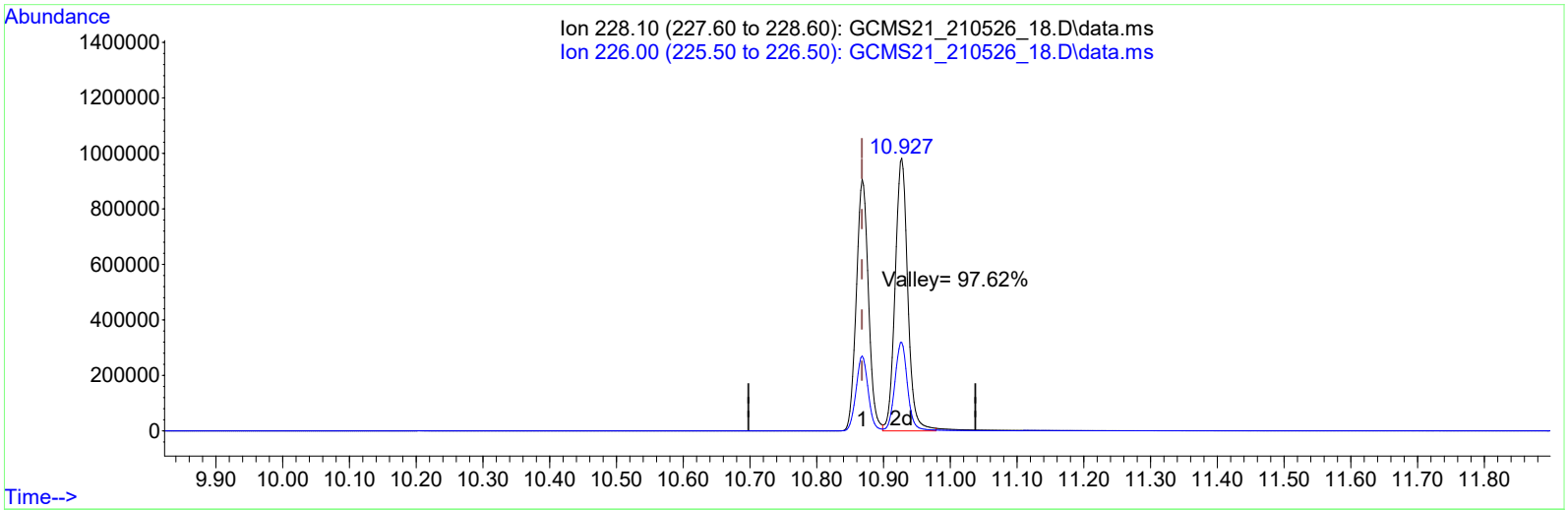
response 1242112

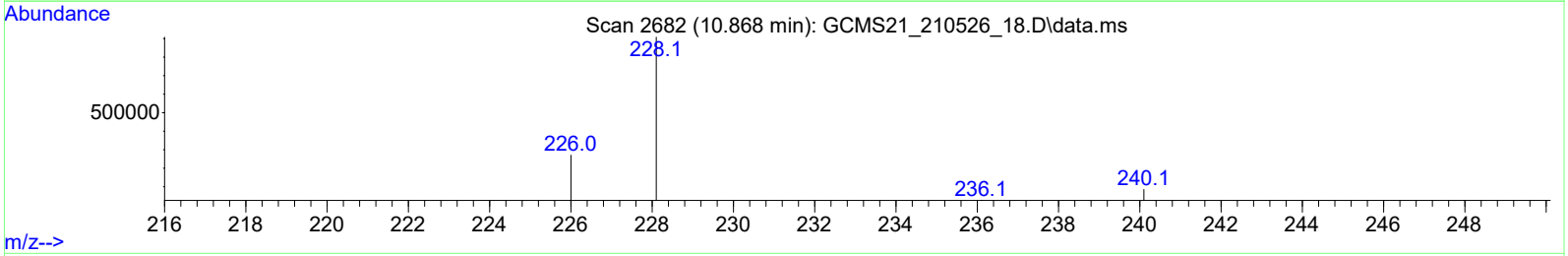
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	26.20	26.55
0.00	0.00	0.00
0.00	0.00	0.00

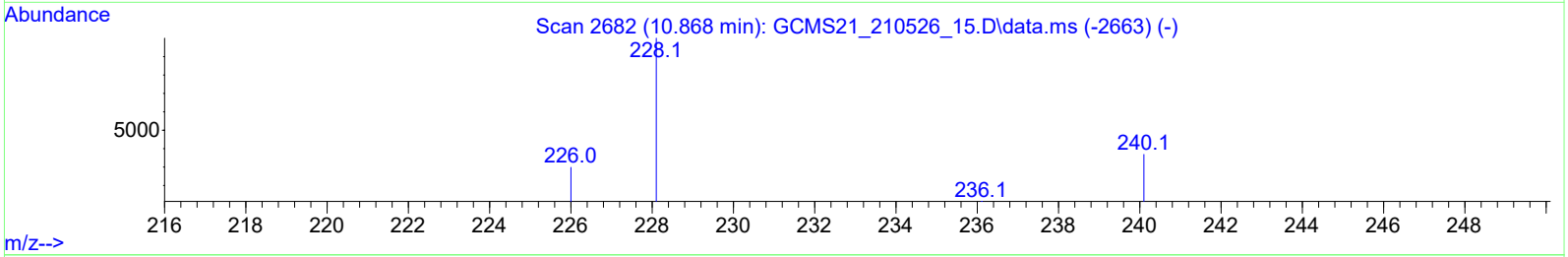
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_18.D
Acq On : 26 May 2021 18:02
Operator : MN GCMS21
Sample : CAL10_1000ng/mL
Misc : LIMS 21B0110
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:14:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_18.D\data.ms

(19) Benzo(a)anthracene (M)

10.868min (-0.000) 1015.97 ng/mL

response 1146119

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	29.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_09.D
Acq On : 26 May 2021 14:17
Operator : MN GCMS21
Sample : CAL 1_1ng/mL
Misc : LIMS 21B0101
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 02 12:05:27 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

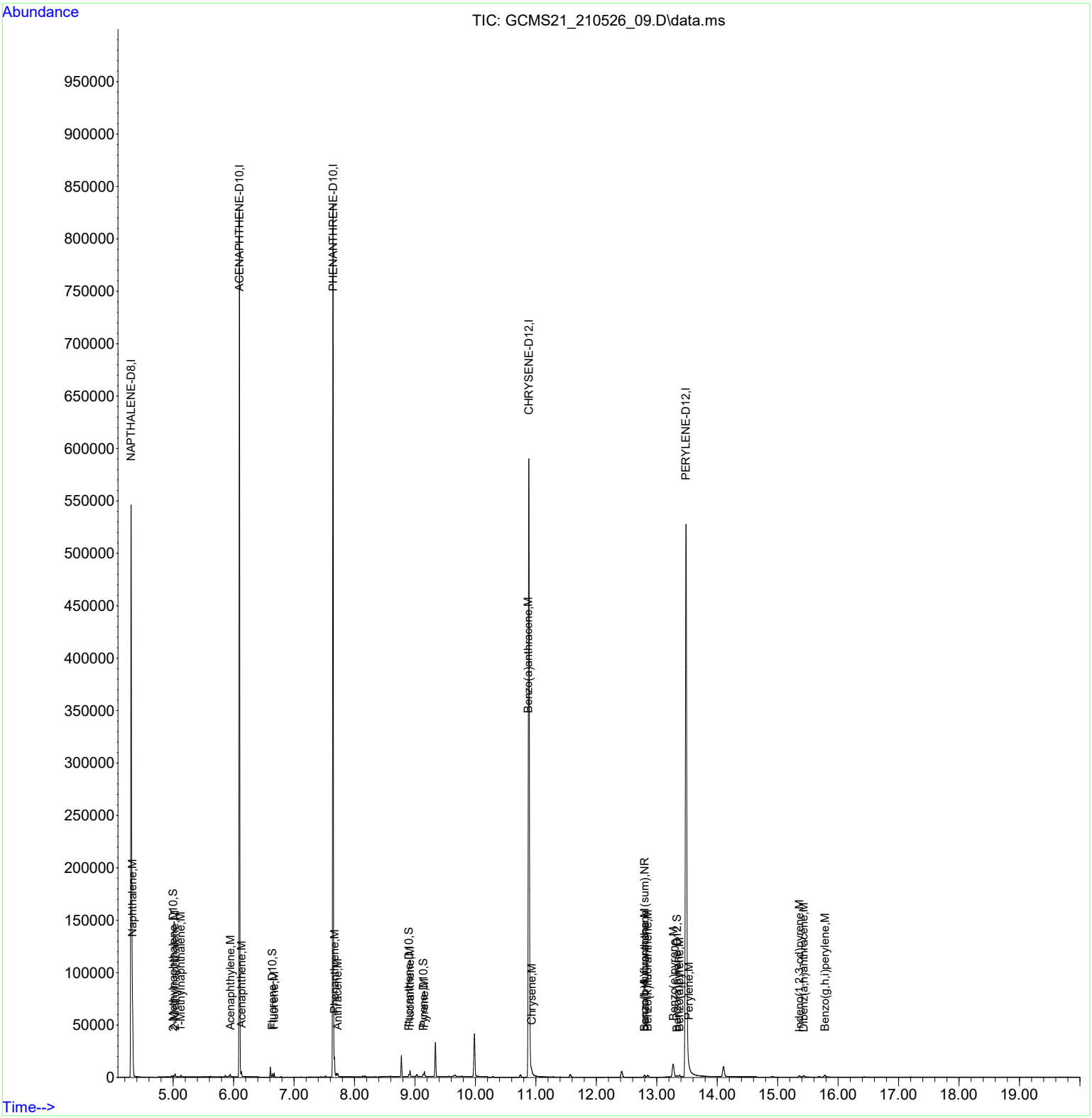
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	575328	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	313468	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	601345	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.884	240	592911	500.00	ng/mL	0.00
21) PERYLENE-D12	13.483	264	596721	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	733	1.00	ng/mL	0.00
9) Fluorene-D10	6.641	176	1396	1.91	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	1400	1.04	ng/mL	0.00
17) Pyrene-D10	9.135	212	1454	1.08	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.334	264	1294	1.26	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.324	128	2184	1.98	ng/mL	100
4) 2-Methylnaphthalene	5.030	142	1410	1.80	ng/mL	97
5) 1-Methylnaphthalene	5.126	142	778	1.10	ng/mL	96
7) Acenaphthylene	5.945	152	1613	1.60	ng/mL	99
8) Acenaphthene	6.129	153	1228	1.60	ng/mL	97
10) Fluorene	6.670	166	1521	1.75	ng/mL	99
12) Phenanthrene	7.669	178	8994	2.00	ng/mL	99
13) Anthracene	7.722	178	1820	1.44	ng/mL	91
15) Fluoranthene	8.919	202	3656	2.40	ng/mL	99
18) Pyrene	9.156	202	2995	1.99	ng/mL	99
19) Benzo(a)anthracene	10.874	228	4197	3.52	ng/mL	82
20) Chrysene	10.929	228	2650	1.93	ng/mL	100
22) Benzo(b)fluoranthene	12.798	252	2483	2.11	ng/mL	100
23) Benzo(k)fluoranthene	12.850	252	2449	1.87	ng/mL	98
24) benzo(b+k)fluoranthene...	12.798	252	4827m	3.86	ng/mL	
25) Benzo(e)pyrene	13.276	252	7080	5.84	ng/mL#	30
27) Benzo(a)pyrene	13.378	252	1846	1.57	ng/mL	98
28) Perylene	13.530	252	1796	1.41	ng/mL	96
29) Indeno(1,2,3-cd)pyrene	15.362	276	1781	1.77	ng/mL	98
30) Dibenz(a,h)anthracene	15.430	278	1653	1.54	ng/mL	97
31) Benzo(g,h,i)perylene	15.781	276	2408	1.93	ng/mL	100

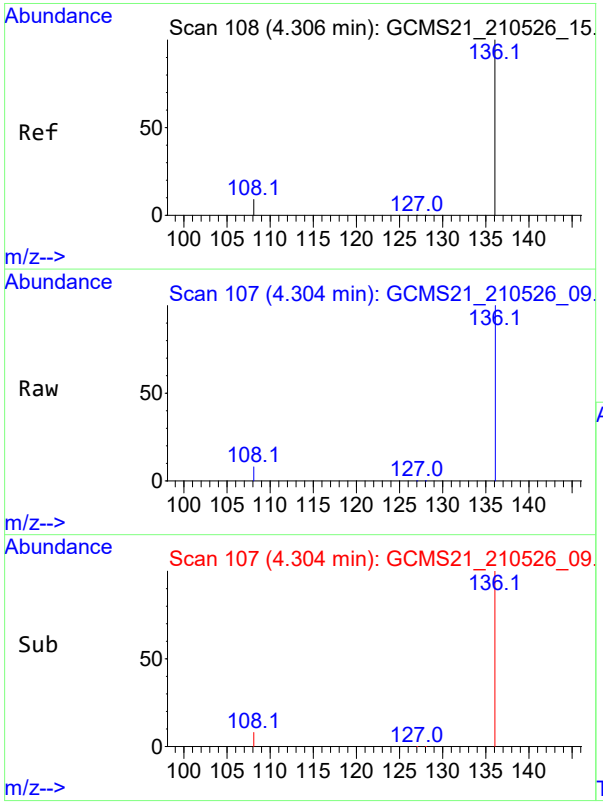
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_09.D
Acq On : 26 May 2021 14:17
Operator : MN GCMS21
Sample : CAL 1_1ng/mL
Misc : LIMS 21B0101
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 02 12:05:27 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

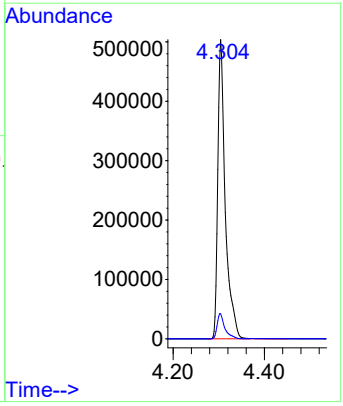


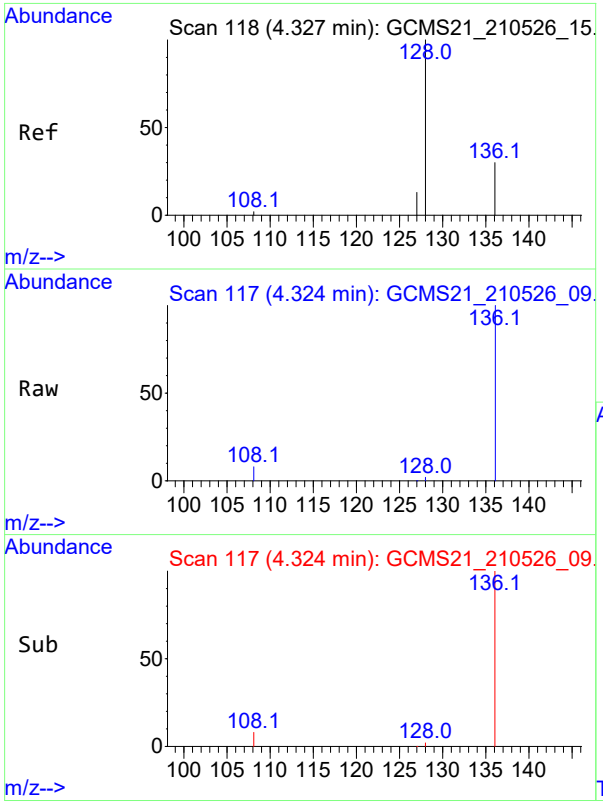


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:136 Resp: 575328

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	29.0

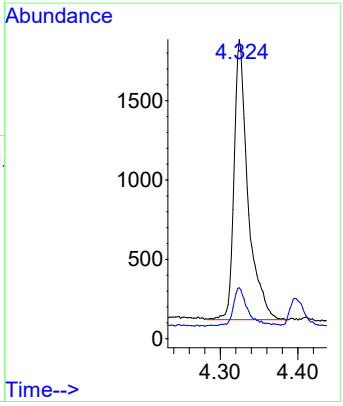


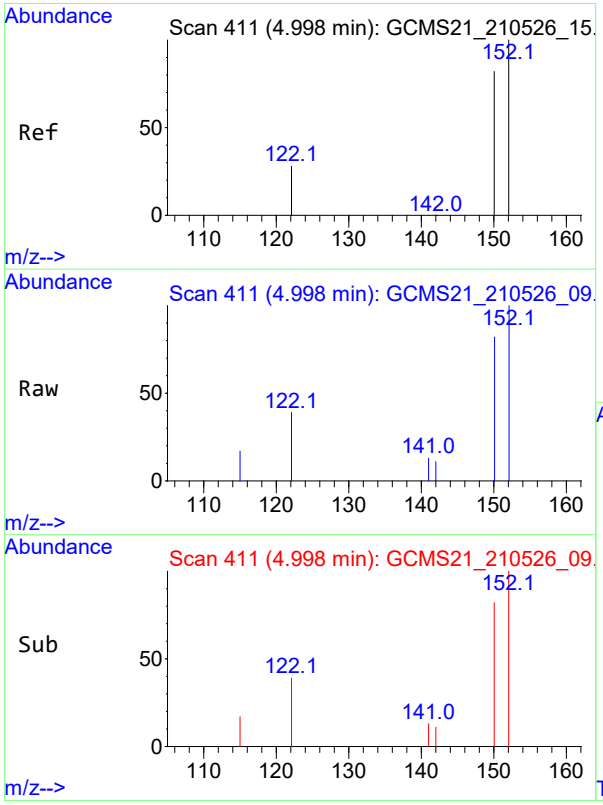


#2
Naphthalene
Concen: 1.98 ng/mL
RT: 4.324 min Scan# 117
Delta R.T. -0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:128 Resp: 2184

Ion	Ratio	Lower	Upper
128	100		
127	13.5	0.0	43.4

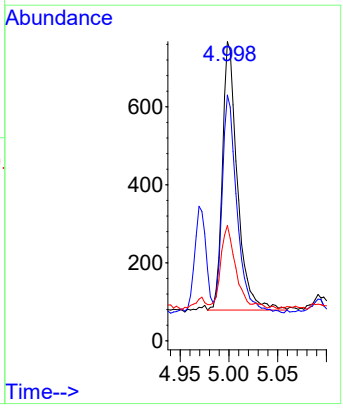


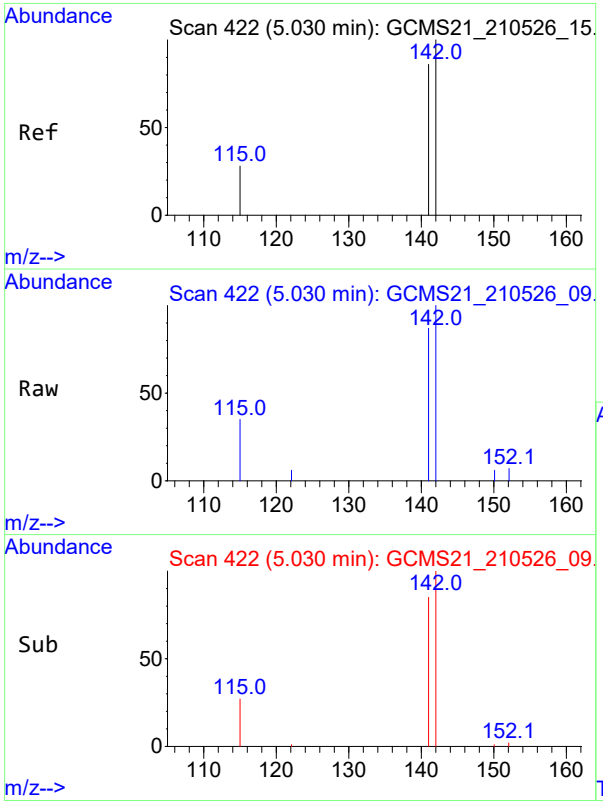


#3
2-Methylnaphthalene-D10
Concen: 1.00 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:152 Resp: 733

Ion	Ratio	Lower	Upper
152	100		
150	80.6	52.1	112.1
122	26.7	0.0	58.7

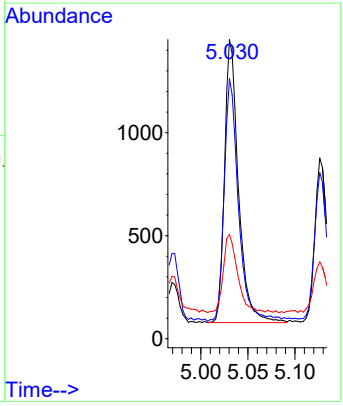


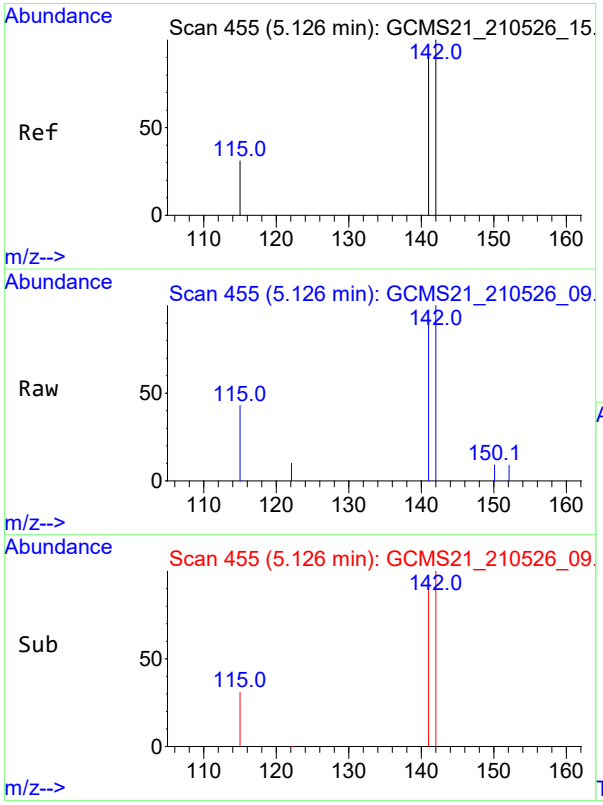


#4
2-Methylnaphthalene
Concen: 1.80 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:142 Resp: 1410

Ion	Ratio	Lower	Upper
142	100		
141	89.0	56.5	116.5
115	28.3	0.0	59.3

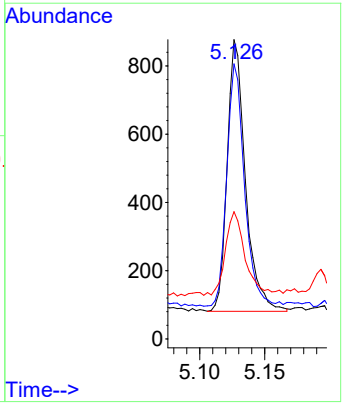


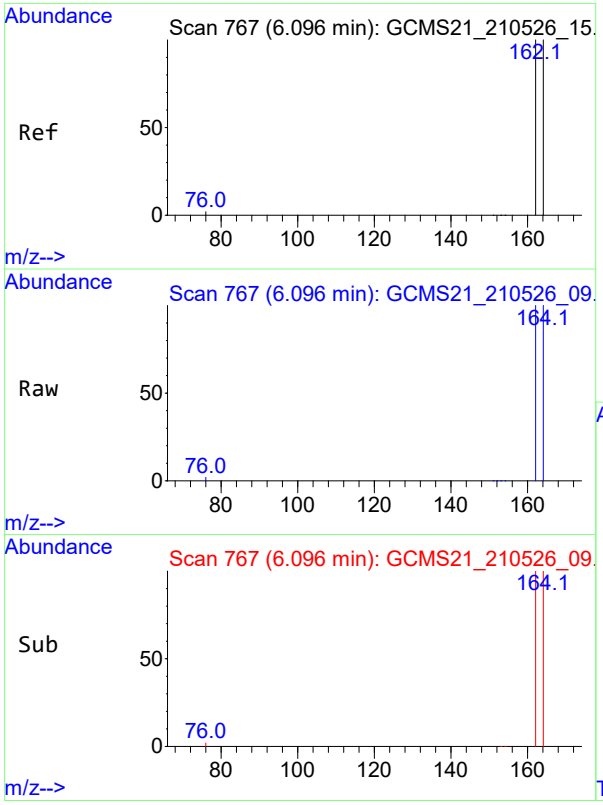


#5
1-Methylnaphthalene
Concen: 1.10 ng/mL
RT: 5.126 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:142 Resp: 778

Ion	Ratio	Lower	Upper
142	100		
141	86.1	59.6	119.6
115	33.0	1.2	61.2

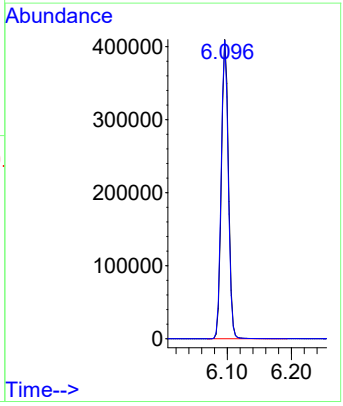


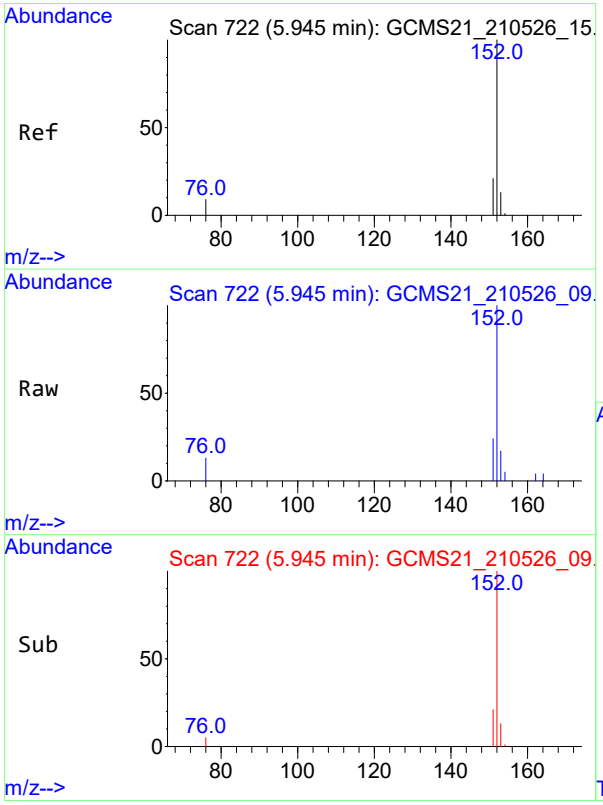


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:164 Resp: 313468

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.5	119.5

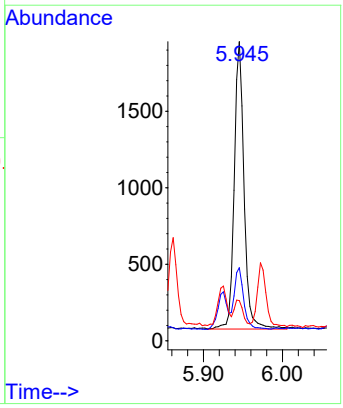


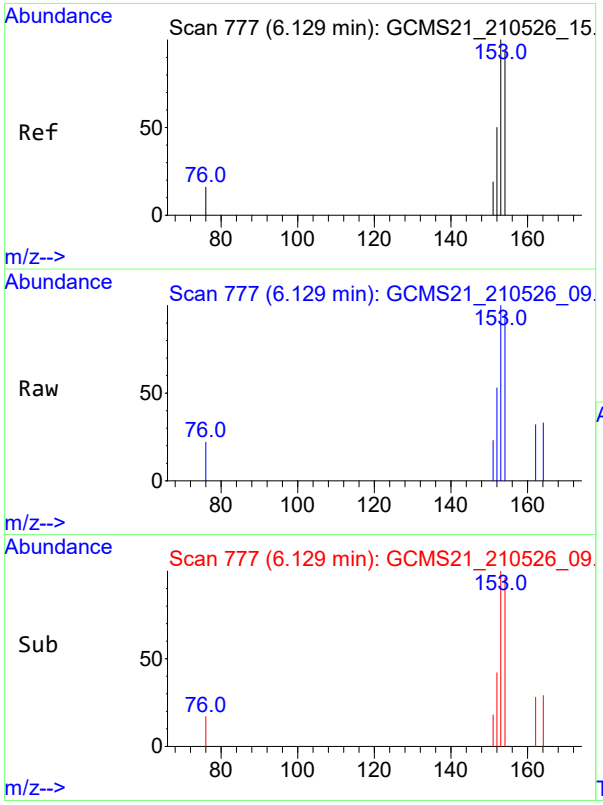


#7
Acenaphthylene
Concen: 1.60 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:152 Resp: 1613

Ion	Ratio	Lower	Upper
152	100		
151	21.1	0.0	51.5
76	8.5	0.0	39.5

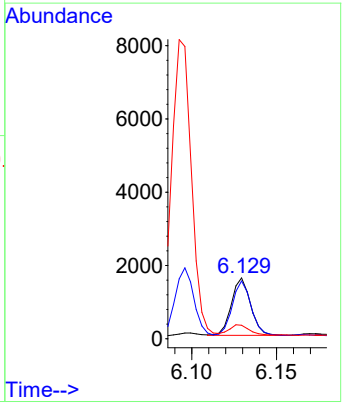


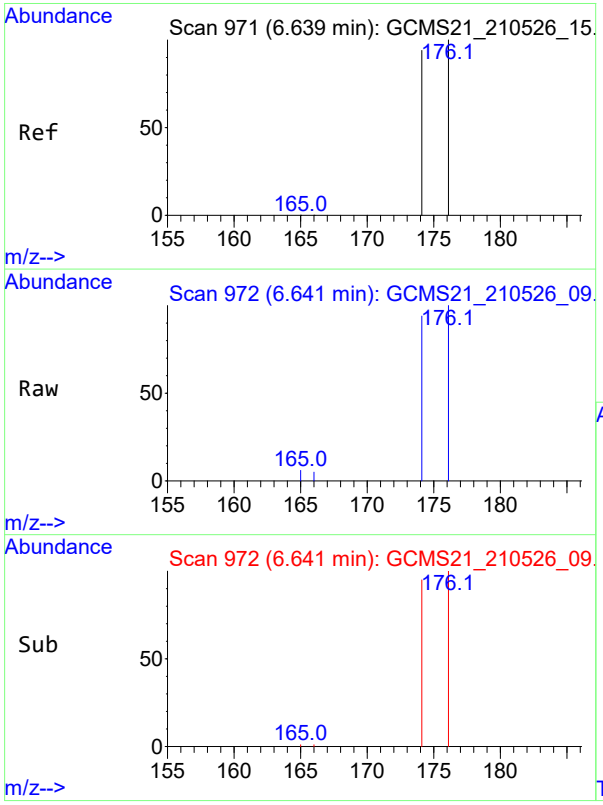


#8
Acenaphthene
Concen: 1.60 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:153 Resp: 1228

Ion	Ratio	Lower	Upper
153	100		
154	93.9	61.9	121.9
76	20.3	0.0	47.6

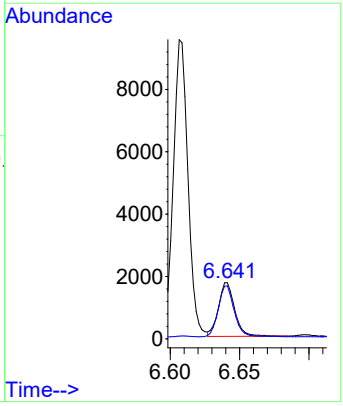


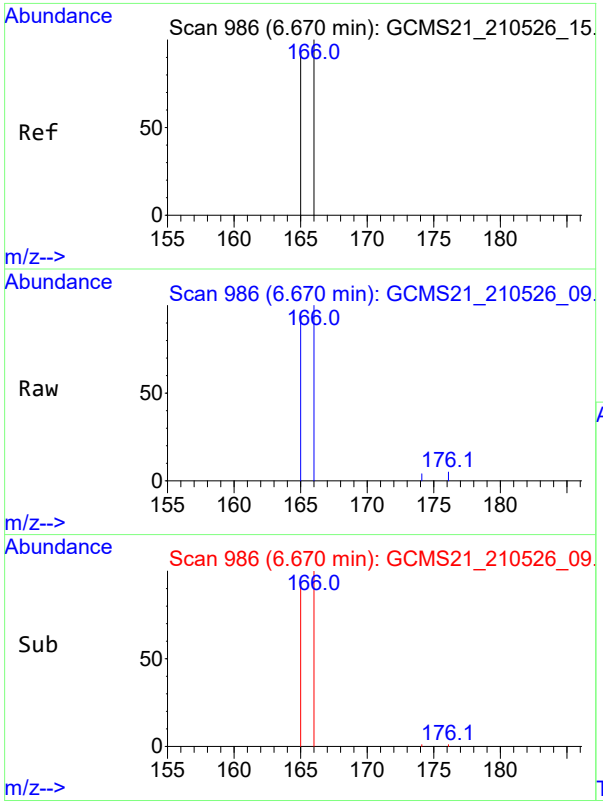


#9
Fluorene-D10
Concen: 1.91 ng/mL
RT: 6.641 min Scan# 972
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:176 Resp: 1396

Ion	Ratio	Lower	Upper
176	100		
174	93.6	64.3	124.3

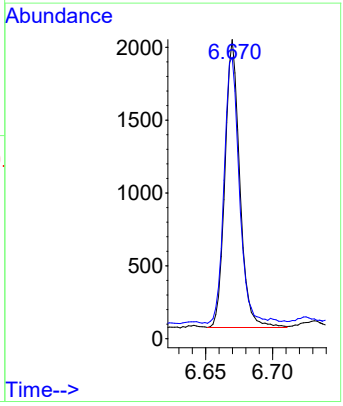


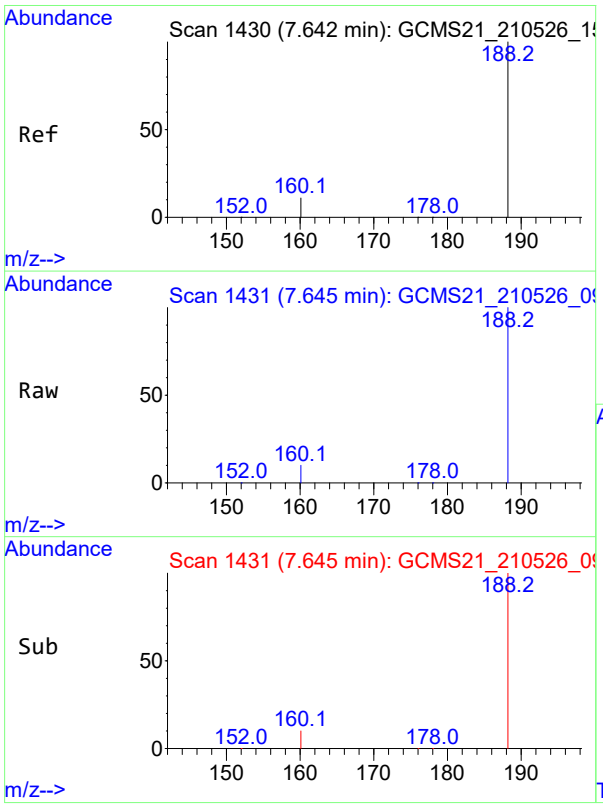


#10
Fluorene
Concen: 1.75 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. -0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:166 Resp: 1521

Ion	Ratio	Lower	Upper
166	100		
165	94.4	65.4	125.4

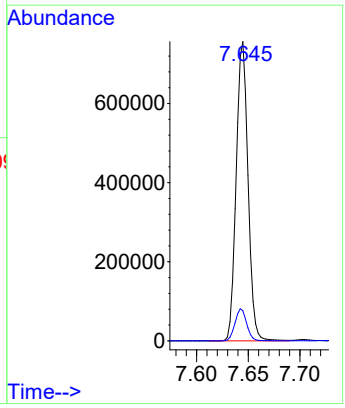


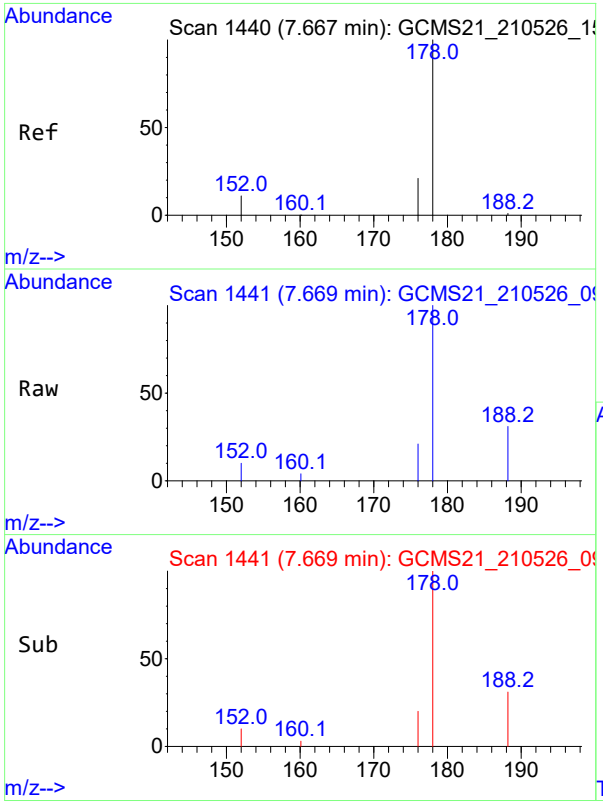


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:188 Resp: 601345

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	40.3

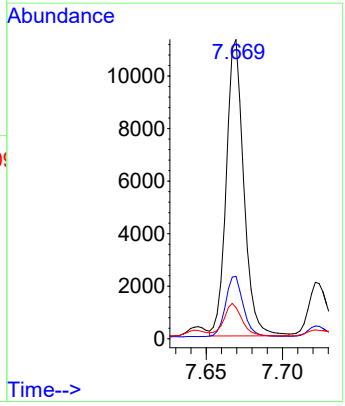


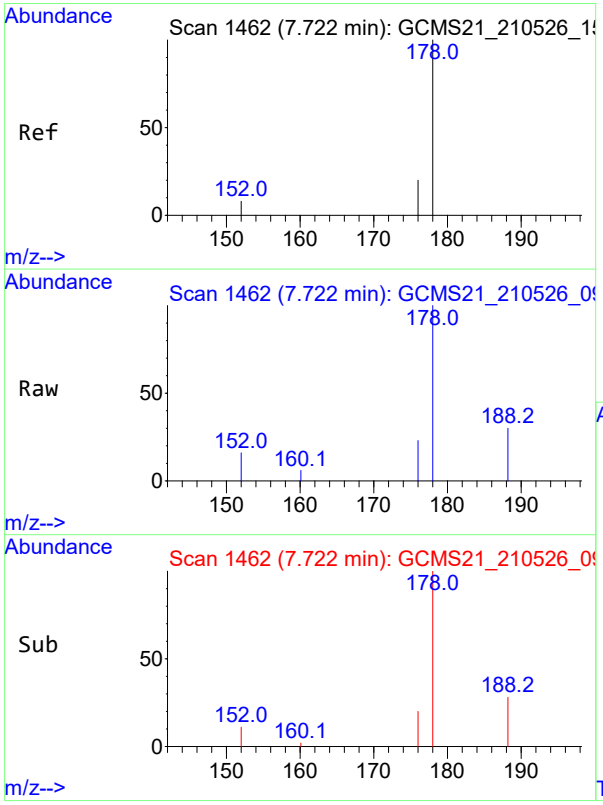


#12
Phenanthrene
Concen: 2.00 ng/mL
RT: 7.669 min Scan# 1441
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:178 Resp: 8994

Ion	Ratio	Lower	Upper
178	100		
176	21.1	0.0	50.9
152	11.3	0.0	40.7

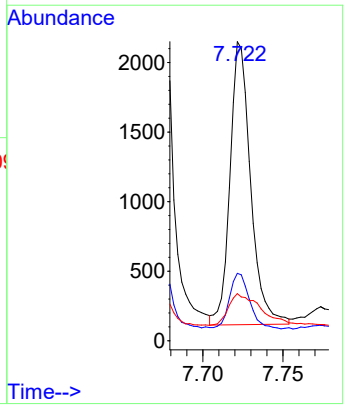


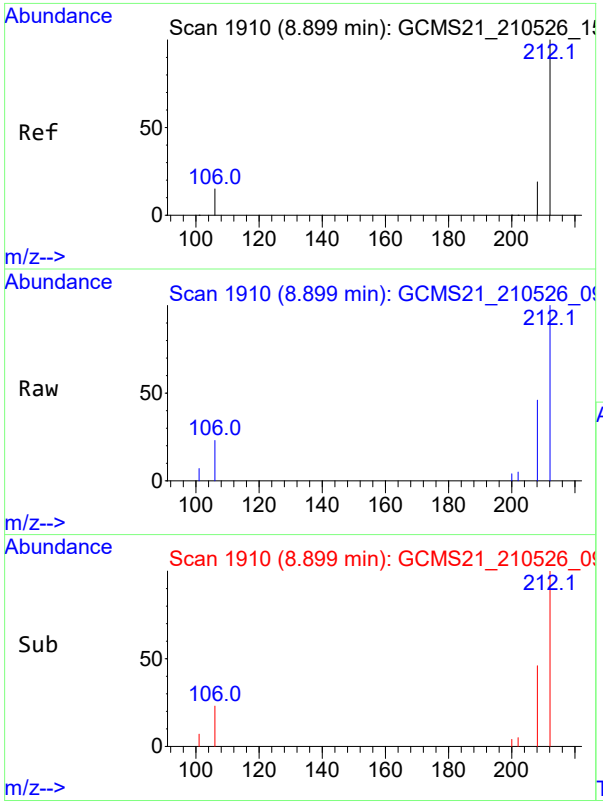


#13
Anthracene
Concen: 1.44 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:178 Resp: 1820

Ion	Ratio	Lower	Upper
178	100		
176	19.5	0.0	50.2
152	18.4	0.0	38.7

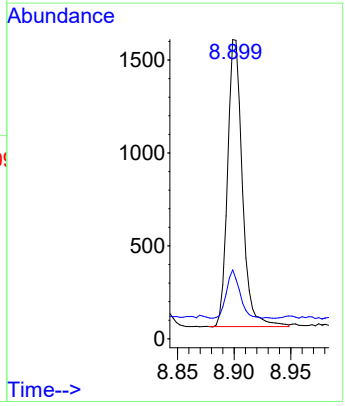


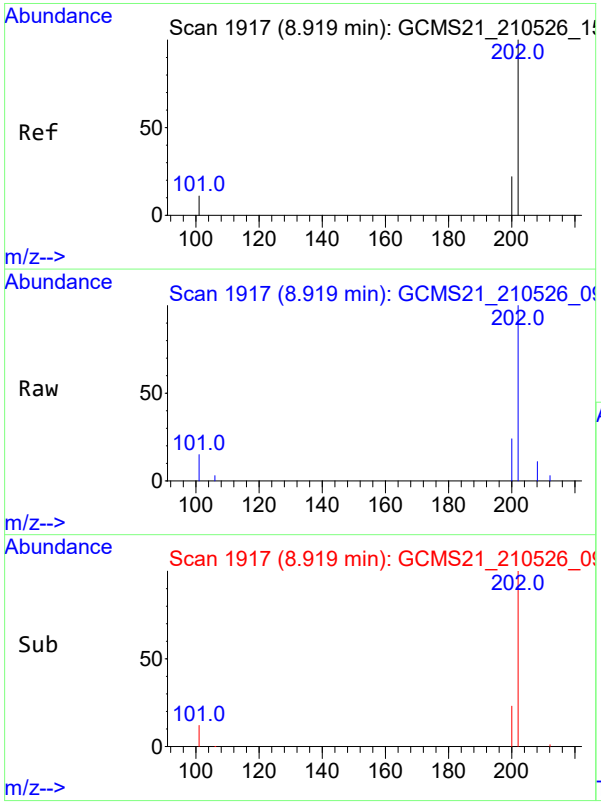


#14
Fluoranthene-D10
Concen: 1.04 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:212 Resp: 1400

Ion	Ratio	Lower	Upper
212	100		
106	15.1	0.0	45.1

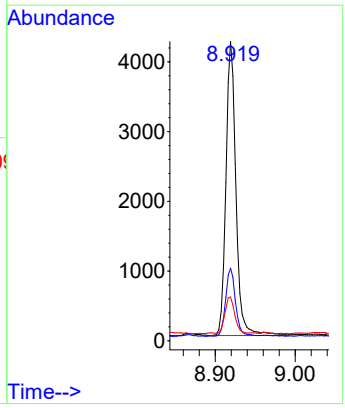


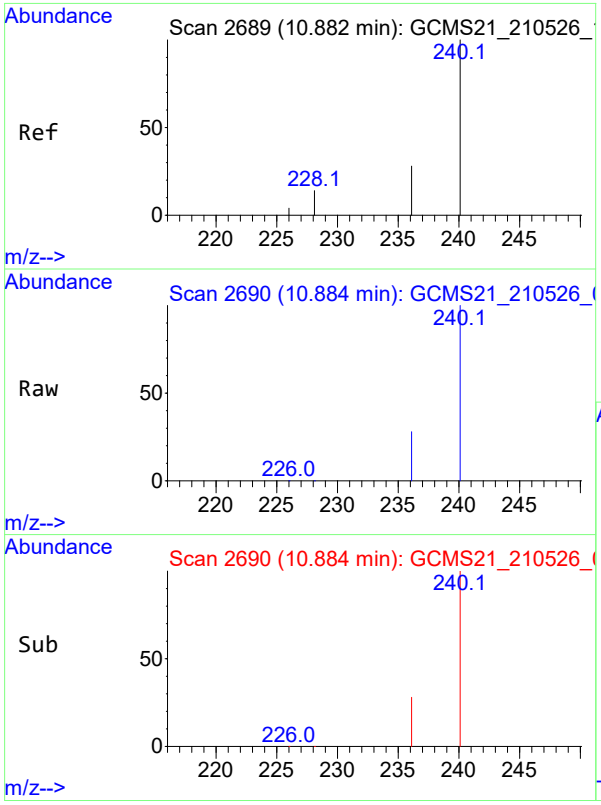


#15
Fluoranthene
Concen: 2.40 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:202 Resp: 3656

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	53.2
101	11.9	0.0	42.4

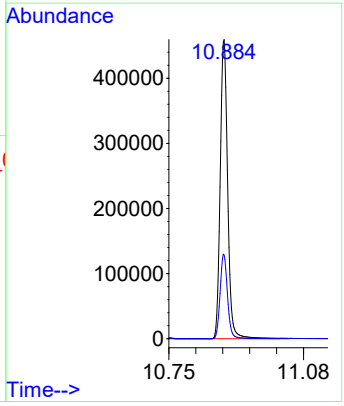


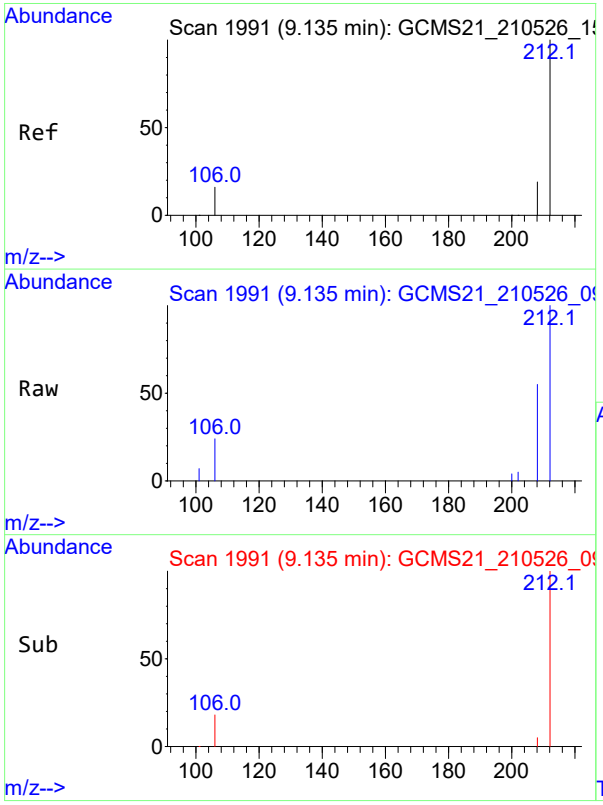


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.884 min Scan# 2690
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:240 Resp: 592911

Ion	Ratio	Lower	Upper
240	100		
236	28.3	0.0	58.5

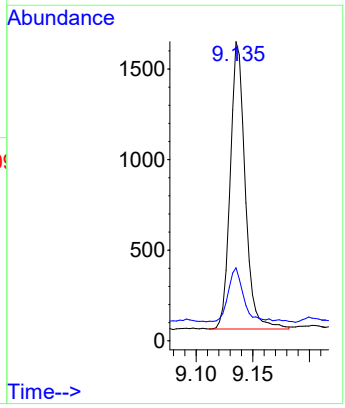


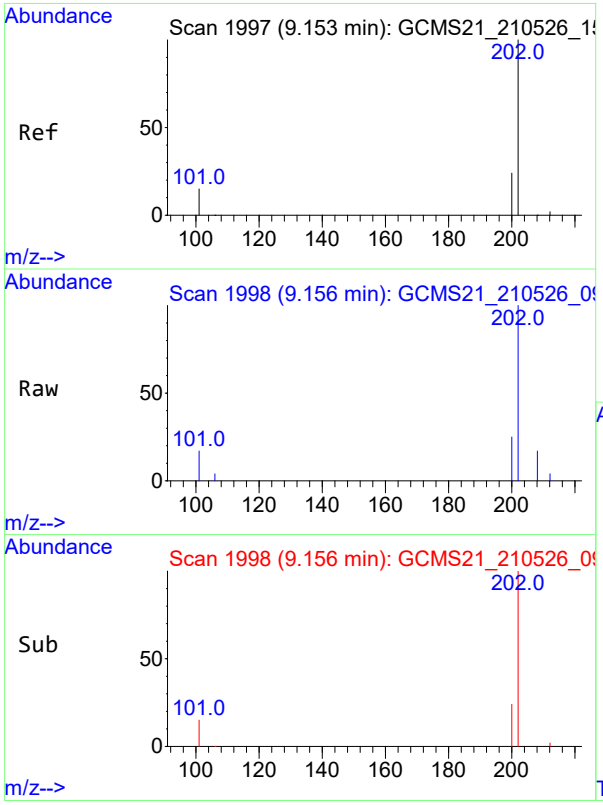


#17
Pyrene-D10
Concen: 1.08 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:212 Resp: 1454

Ion	Ratio	Lower	Upper
212	100		
106	19.2	0.0	47.4

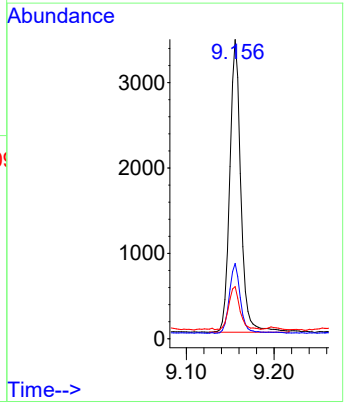


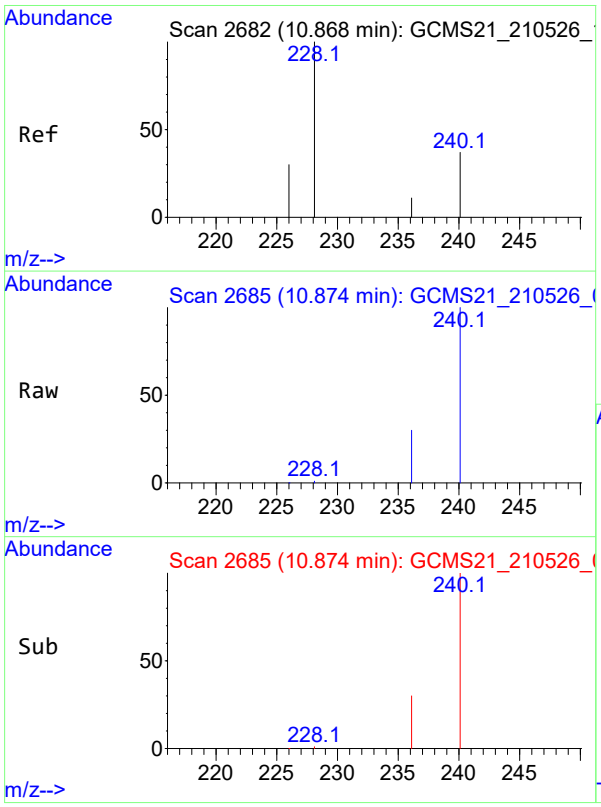


#18
Pyrene
Concen: 1.99 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:202 Resp: 2995

Ion	Ratio	Lower	Upper
202	100		
200	23.9	0.0	53.6
101	14.8	0.0	44.4

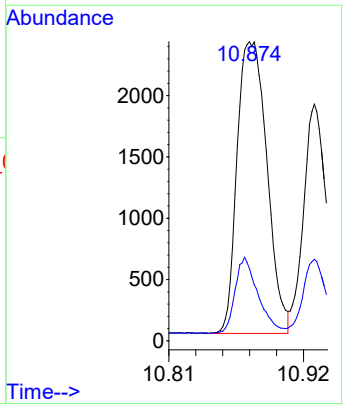


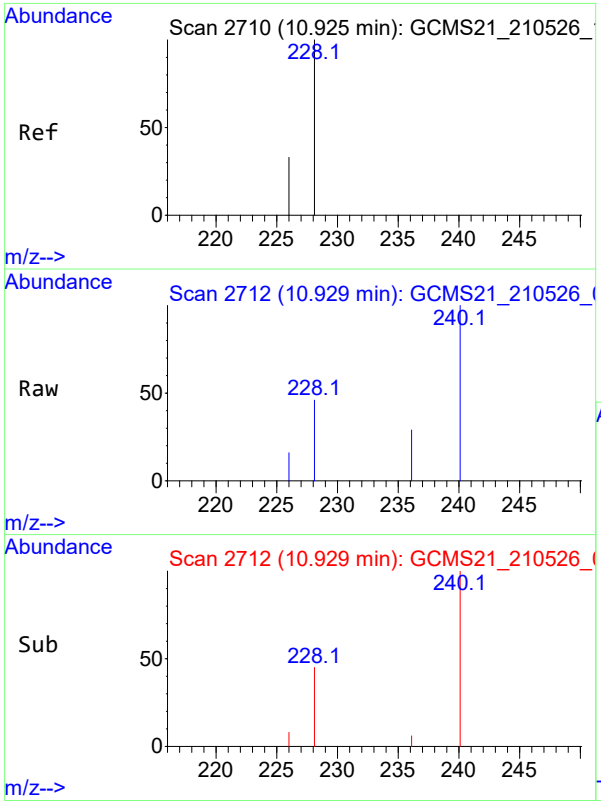


#19
Benzo(a)anthracene
Concen: 3.52 ng/mL
RT: 10.874 min Scan# 2685
Delta R.T. 0.006 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:228 Resp: 4197

Ion	Ratio	Lower	Upper
228	100		
226	20.1	0.0	59.6

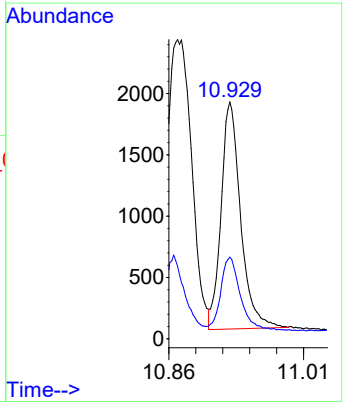


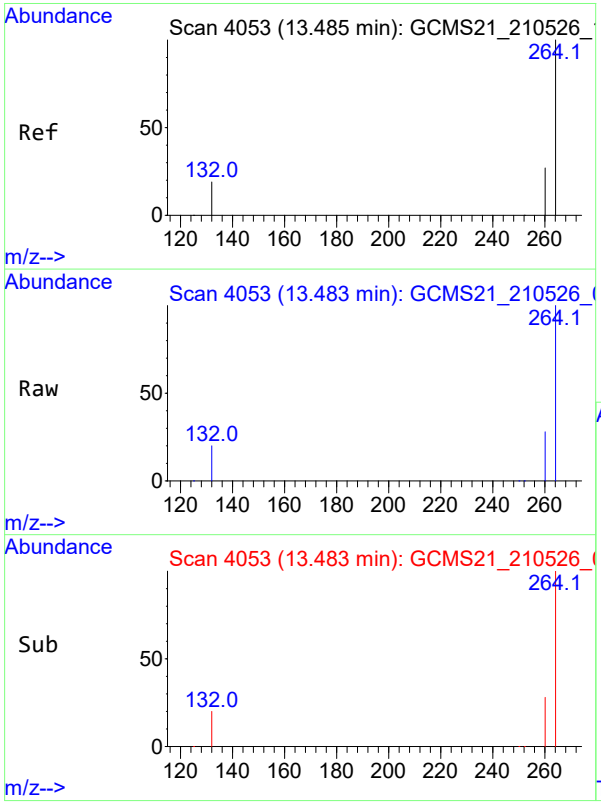


#20
Chrysene
Concen: 1.93 ng/mL
RT: 10.929 min Scan# 2712
Delta R.T. 0.004 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:228 Resp: 2650

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.5	62.5

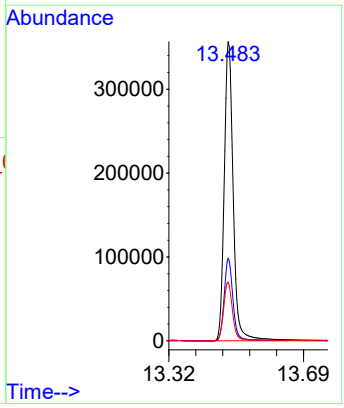


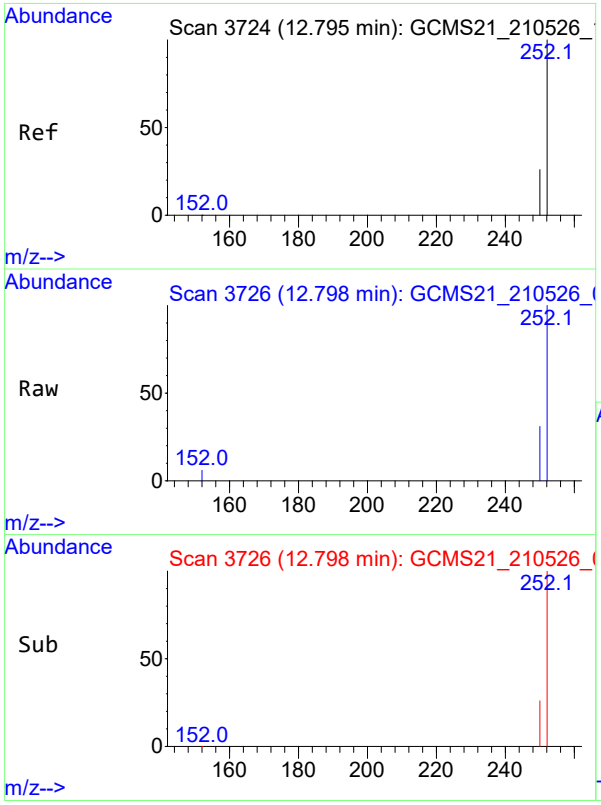


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.483 min Scan# 4053
Delta R.T. -0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:264 Resp: 596721

Ion	Ratio	Lower	Upper
264	100		
260	27.3	0.0	57.5
132	19.7	0.0	49.9

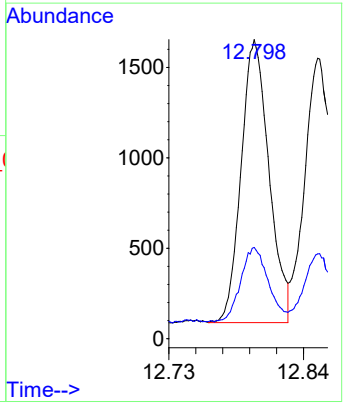


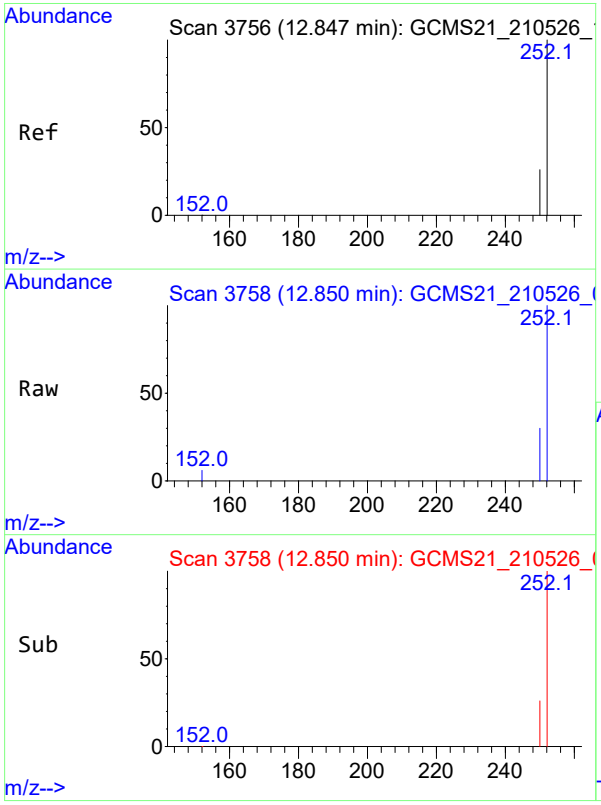


#22
Benzo(b)fluoranthene
Concen: 2.11 ng/mL
RT: 12.798 min Scan# 3726
Delta R.T. 0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 2483

Ion	Ratio	Lower	Upper
252	100		
250	26.2	0.0	56.2

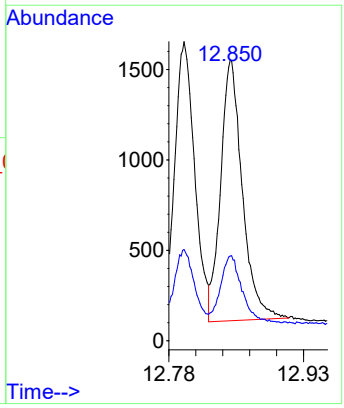


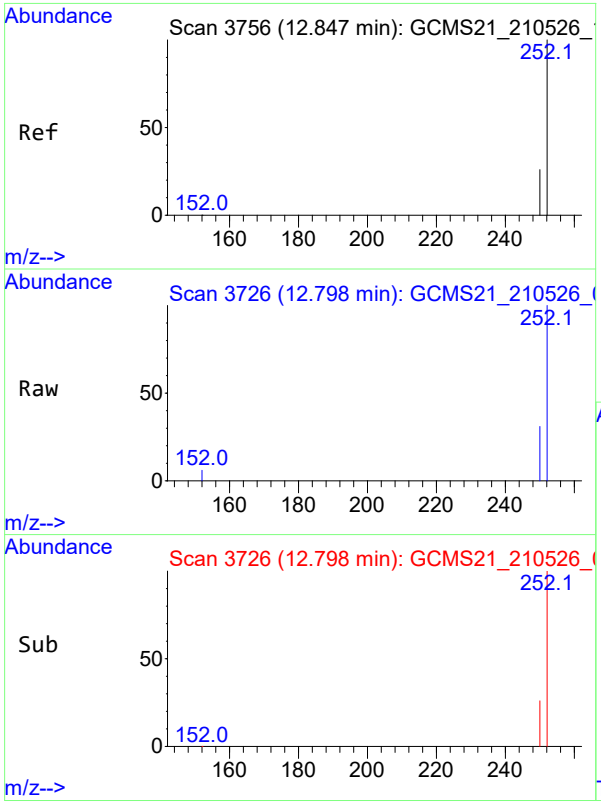


#23
Benzo(k)fluoranthene
Concen: 1.87 ng/mL
RT: 12.850 min Scan# 3758
Delta R.T. 0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 2449

Ion	Ratio	Lower	Upper
252	100		
250	24.3	0.0	55.4

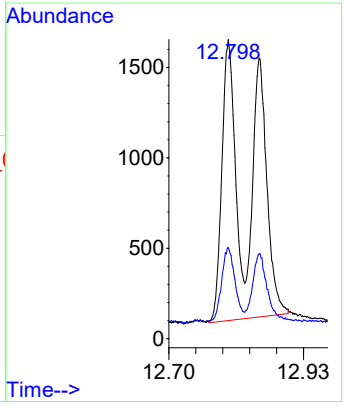


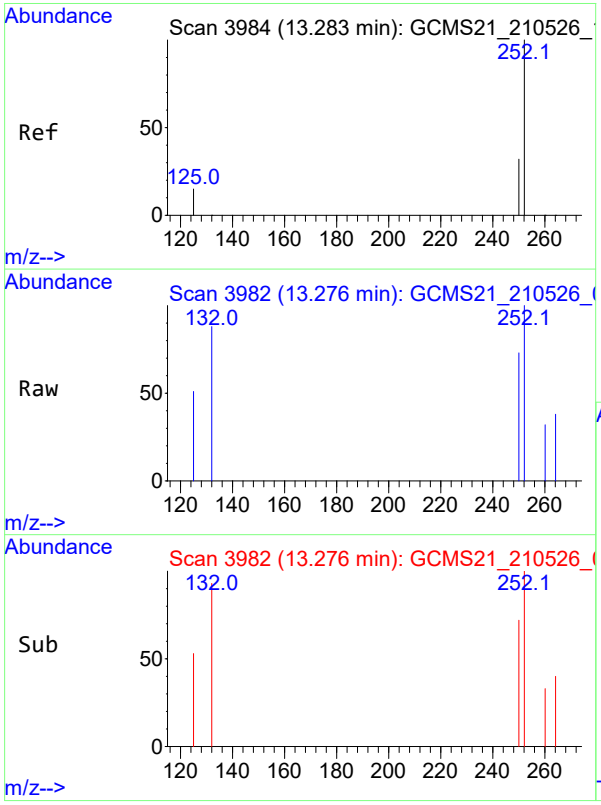


#24
benzo(b+k)fluoranthene (sum)
Concen: 3.86 ng/mL m
RT: 12.798 min Scan# 3726
Delta R.T. -0.049 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 4827

Ion	Ratio	Lower	Upper
252	100		
250	24.9	0.0	56.3

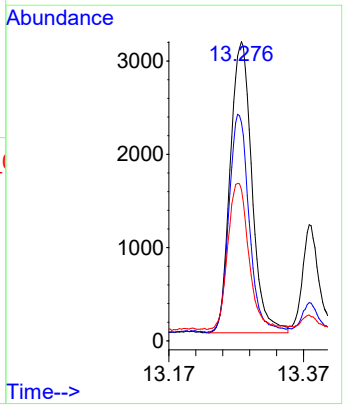


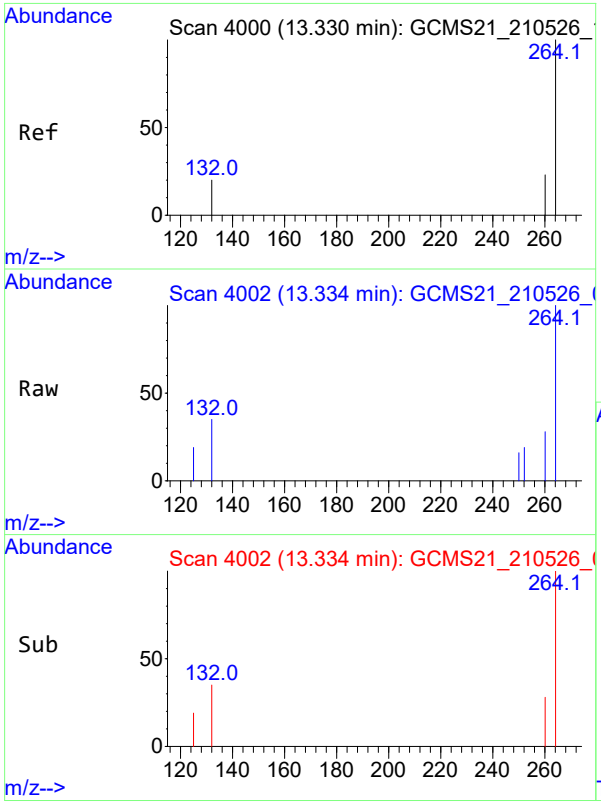


#25
Benzo(e)pyrene
Concen: 5.84 ng/mL
RT: 13.276 min Scan# 3982
Delta R.T. -0.007 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 7080

Ion	Ratio	Lower	Upper
252	100		
250	70.0	2.4	62.4#
125	48.5	0.0	46.0#

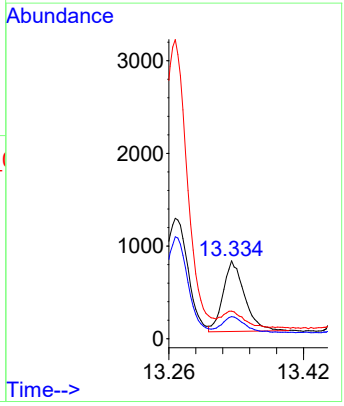


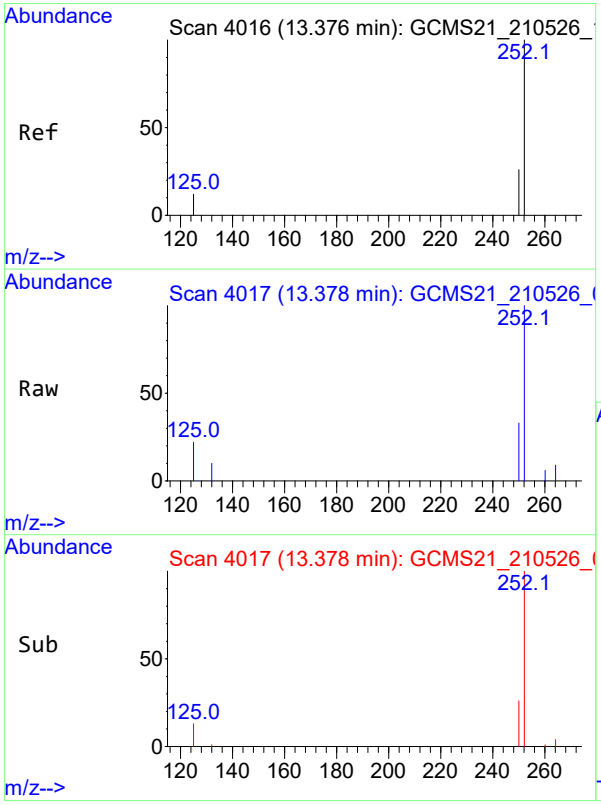


#26
Benzo(a)pyrene-D12
Concen: 1.26 ng/mL
RT: 13.334 min Scan# 4002
Delta R.T. 0.004 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:264 Resp: 1294

Ion	Ratio	Lower	Upper
264	100		
260	23.6	0.0	52.7
132	24.5	0.0	49.5

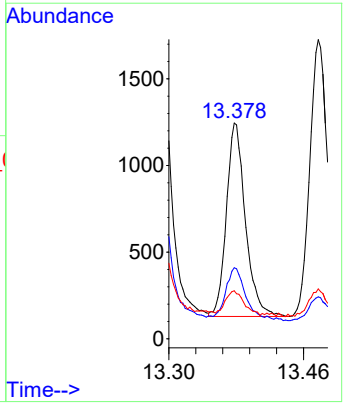


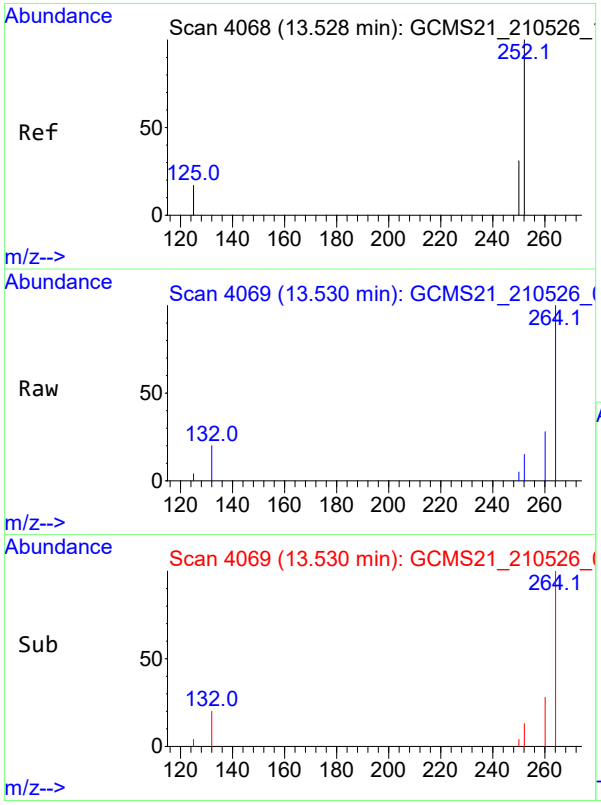


#27
Benzo(a)pyrene
Concen: 1.57 ng/mL
RT: 13.378 min Scan# 4017
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 1846

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	57.2
125	12.3	0.0	42.3

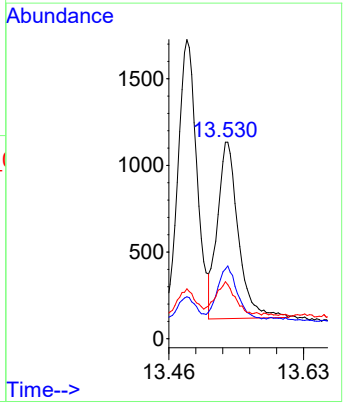


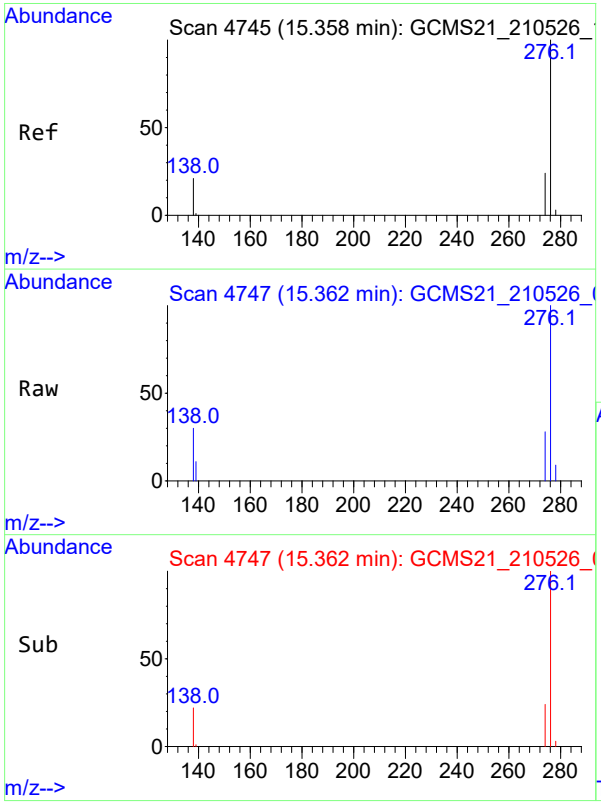


#28
Perylene
Concen: 1.41 ng/mL
RT: 13.530 min Scan# 4069
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 1796

Ion	Ratio	Lower	Upper
252	100		
250	28.6	1.1	61.1
125	16.9	0.0	46.2

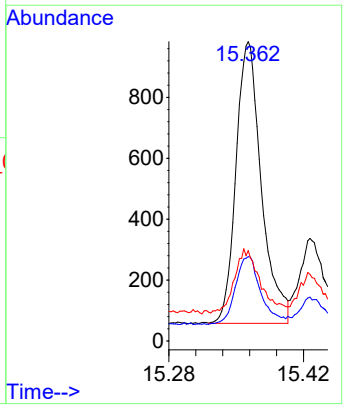


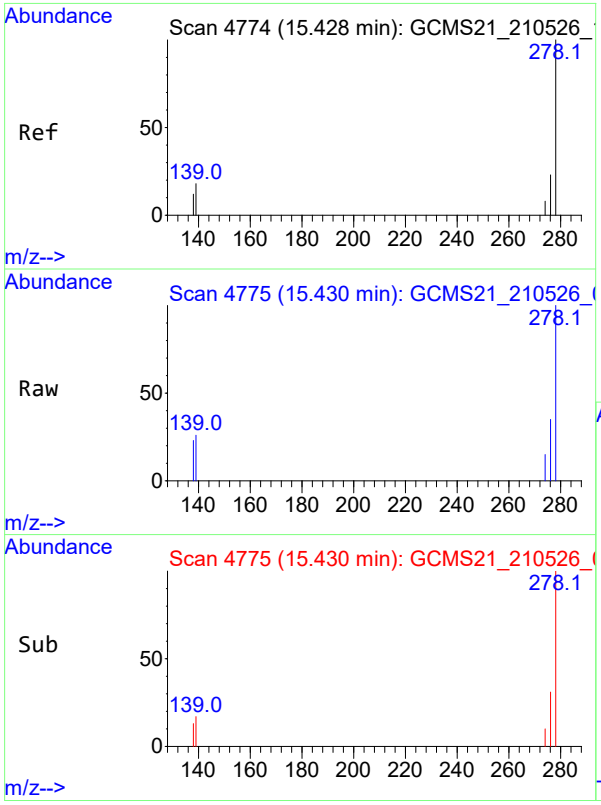


#29
Indeno(1,2,3-cd)pyrene
Concen: 1.77 ng/mL
RT: 15.362 min Scan# 4747
Delta R.T. 0.004 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:276 Resp: 1781

Ion	Ratio	Lower	Upper
276	100		
274	23.9	0.0	53.7
138	22.9	0.0	51.1

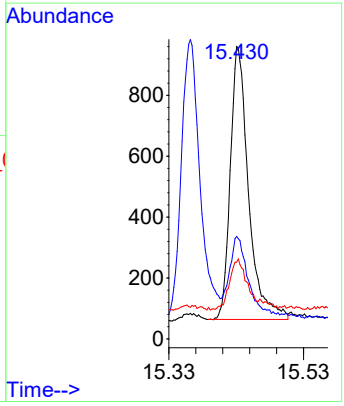


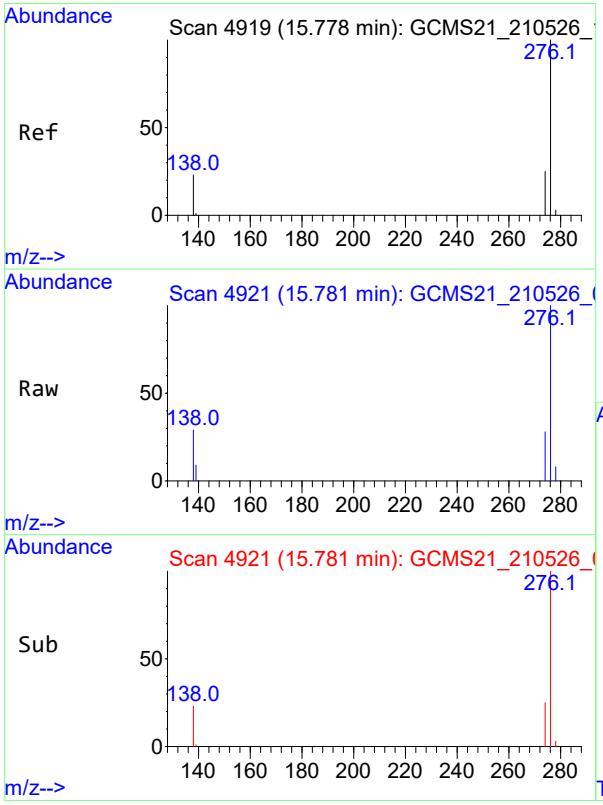


#30
Dibenz(a,h)anthracene
Concen: 1.54 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:278 Resp: 1653

Ion	Ratio	Lower	Upper
278	100		
276	30.5	2.7	62.7
139	17.1	0.0	47.4

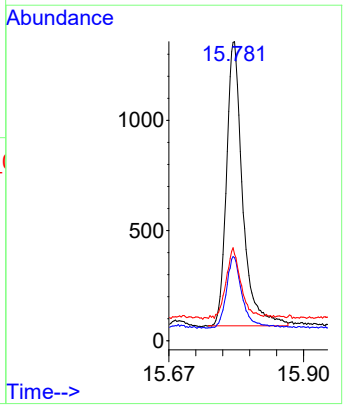




#31
Benzo(g,h,i)perylene
Concen: 1.93 ng/mL
RT: 15.781 min Scan# 4921
Delta R.T. 0.004 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:276 Resp: 2408

Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	54.7
138	22.8	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_09.D
Acq On : 26 May 2021 14:17
Operator : MN GCMS21
Sample : CAL 1_1ng/mL
Misc : LIMS 21B0101
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 02 12:05:27 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

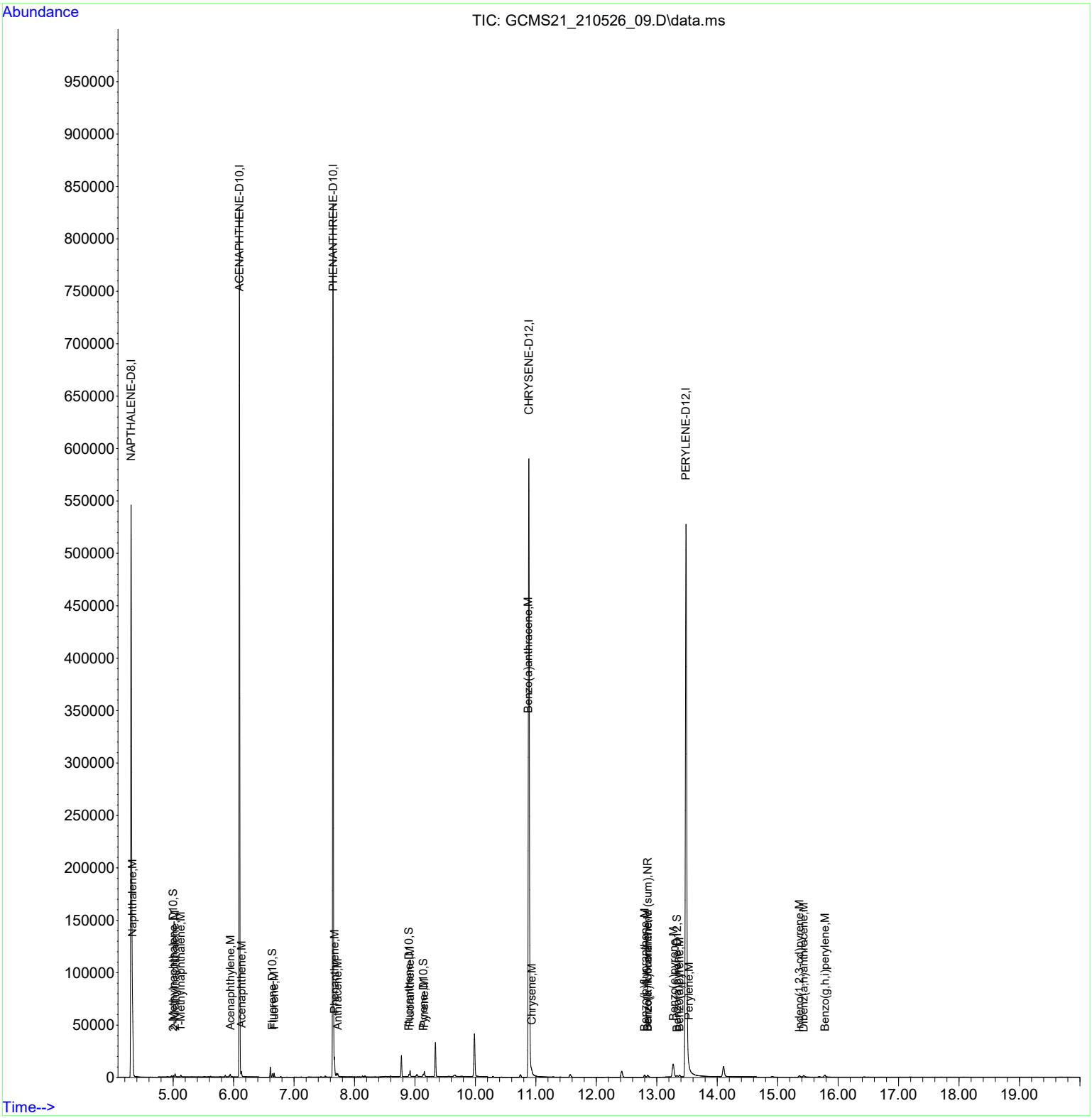
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	575328	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	313468	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	601345	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.884	240	592911	500.00	ng/mL	0.00
21) PERYLENE-D12	13.483	264	596721	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	733	1.00	ng/mL	0.00
9) Fluorene-D10	6.641	176	1396	1.91	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	1400	1.04	ng/mL	0.00
17) Pyrene-D10	9.135	212	1454	1.08	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.334	264	1294	1.26	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.324	128	2184	1.98	ng/mL	100
4) 2-Methylnaphthalene	5.030	142	1410	1.80	ng/mL	97
5) 1-Methylnaphthalene	5.126	142	778	1.10	ng/mL	96
7) Acenaphthylene	5.945	152	1613	1.60	ng/mL	99
8) Acenaphthene	6.129	153	1228	1.60	ng/mL	97
10) Fluorene	6.670	166	1521	1.75	ng/mL	99
12) Phenanthrene	7.669	178	8994	2.00	ng/mL	99
13) Anthracene	7.722	178	1820	1.44	ng/mL	91
15) Fluoranthene	8.919	202	3656	2.40	ng/mL	99
18) Pyrene	9.156	202	2995	1.99	ng/mL	99
19) Benzo(a)anthracene	10.874	228	4197	3.52	ng/mL	82
20) Chrysene	10.929	228	2650	1.93	ng/mL	100
22) Benzo(b)fluoranthene	12.798	252	2483	2.11	ng/mL	100
23) Benzo(k)fluoranthene	12.850	252	2449	1.87	ng/mL	98
24) benzo(b+k)fluoranthene...	12.850	252	2449	1.96	ng/mL	96
25) Benzo(e)pyrene	13.276	252	7080	5.84	ng/mL#	30
27) Benzo(a)pyrene	13.378	252	1846	1.57	ng/mL	98
28) Perylene	13.530	252	1796	1.41	ng/mL	96
29) Indeno(1,2,3-cd)pyrene	15.362	276	1781	1.77	ng/mL	98
30) Dibenz(a,h)anthracene	15.430	278	1653	1.54	ng/mL	97
31) Benzo(g,h,i)perylene	15.781	276	2408	1.93	ng/mL	100

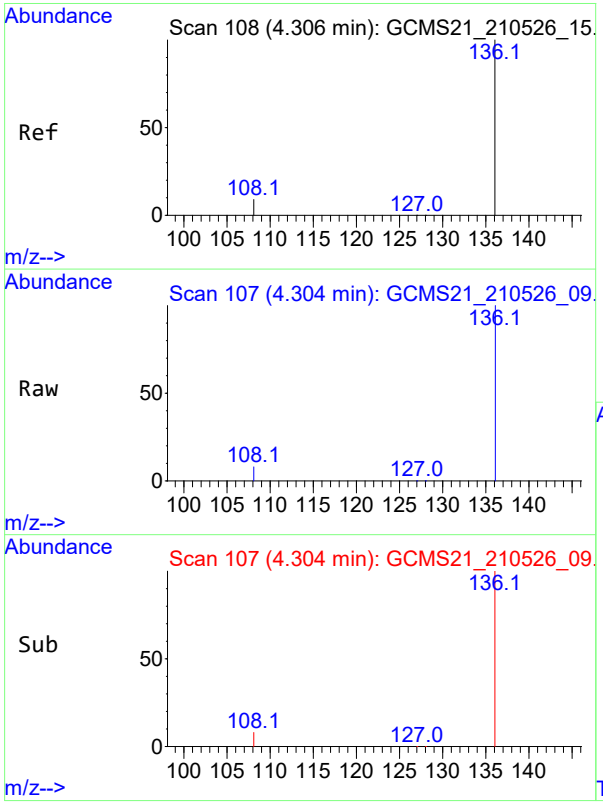
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_09.D
Acq On : 26 May 2021 14:17
Operator : MN GCMS21
Sample : CAL 1_1ng/mL
Misc : LIMS 21B0101
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 02 12:05:27 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

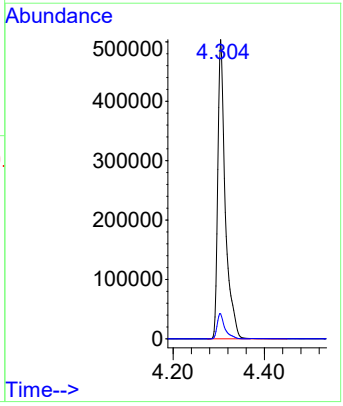


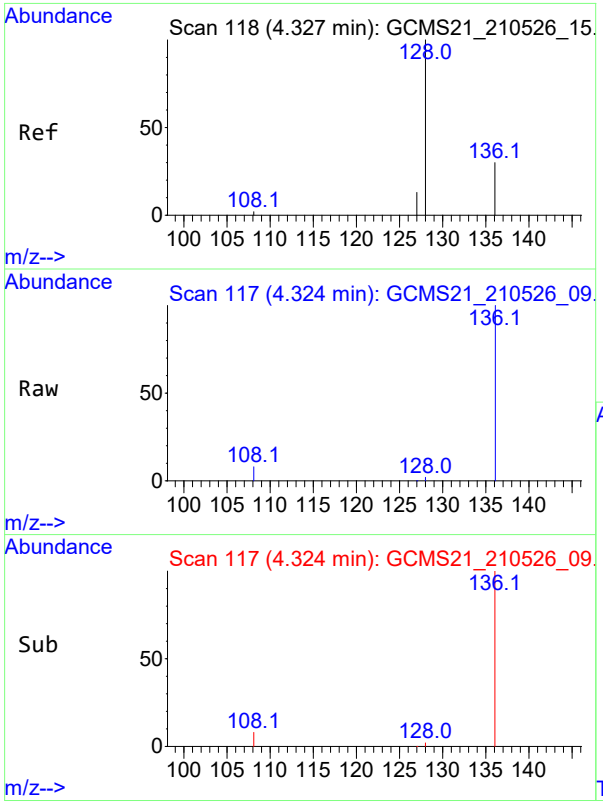


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:136 Resp: 575328

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	29.0

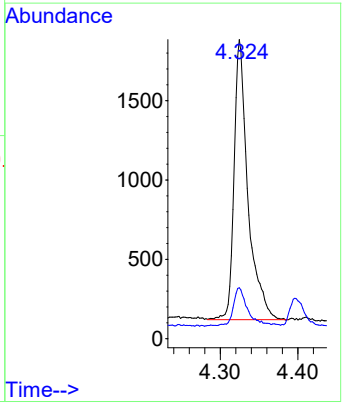


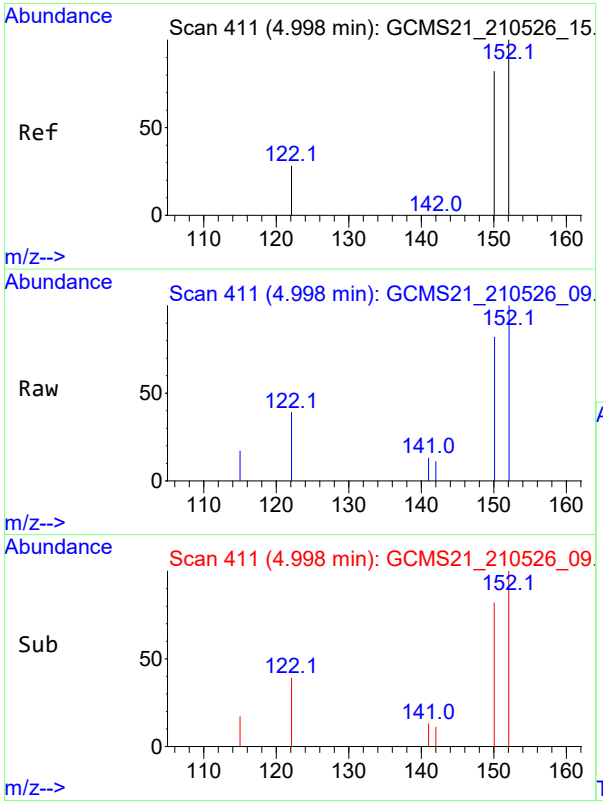


#2
Naphthalene
Concen: 1.98 ng/mL
RT: 4.324 min Scan# 117
Delta R.T. -0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:128 Resp: 2184

Ion	Ratio	Lower	Upper
128	100		
127	13.5	0.0	43.4

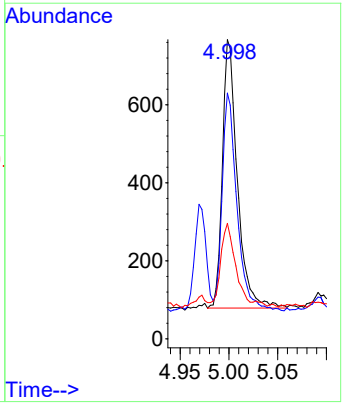


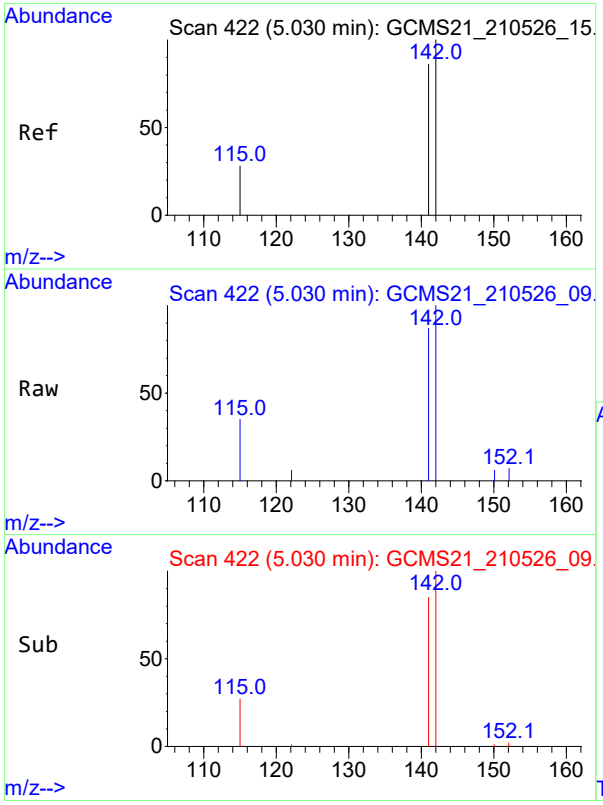


#3
2-Methylnaphthalene-D10
Concen: 1.00 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:152 Resp: 733

Ion	Ratio	Lower	Upper
152	100		
150	80.6	52.1	112.1
122	26.7	0.0	58.7

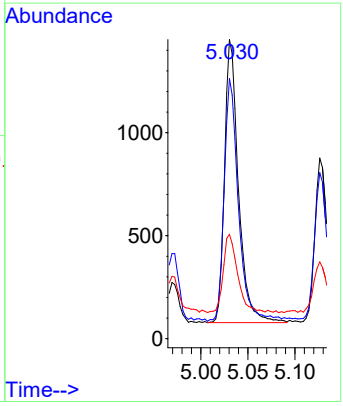


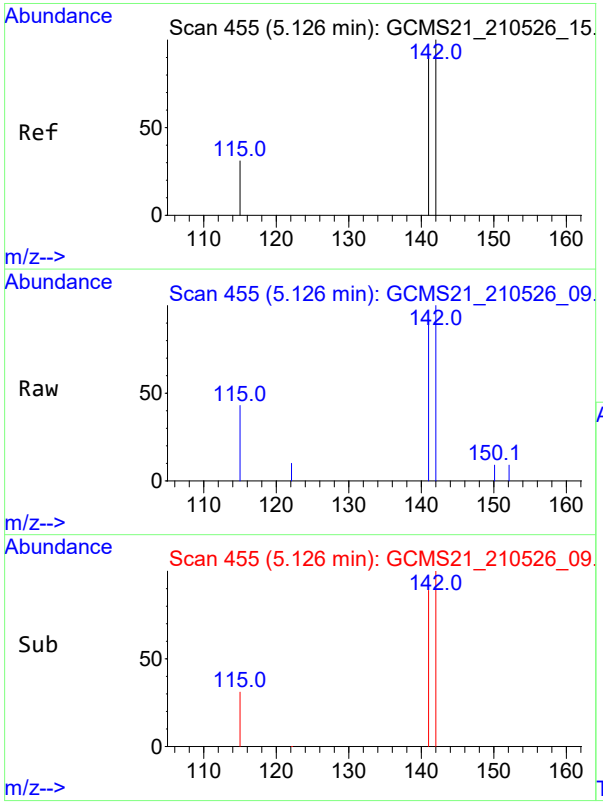


#4
2-Methylnaphthalene
Concen: 1.80 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:142 Resp: 1410

Ion	Ratio	Lower	Upper
142	100		
141	89.0	56.5	116.5
115	28.3	0.0	59.3

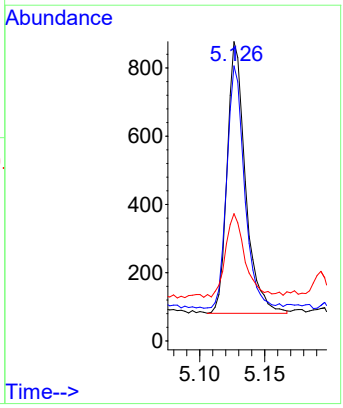


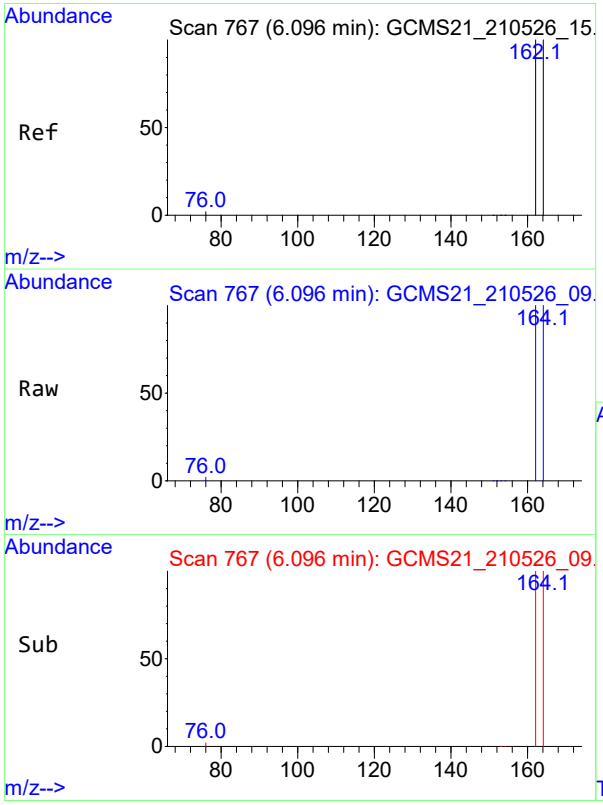


#5
1-Methylnaphthalene
Concen: 1.10 ng/mL
RT: 5.126 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:142 Resp: 778

Ion	Ratio	Lower	Upper
142	100		
141	86.1	59.6	119.6
115	33.0	1.2	61.2

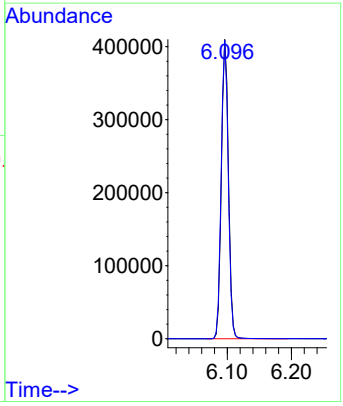


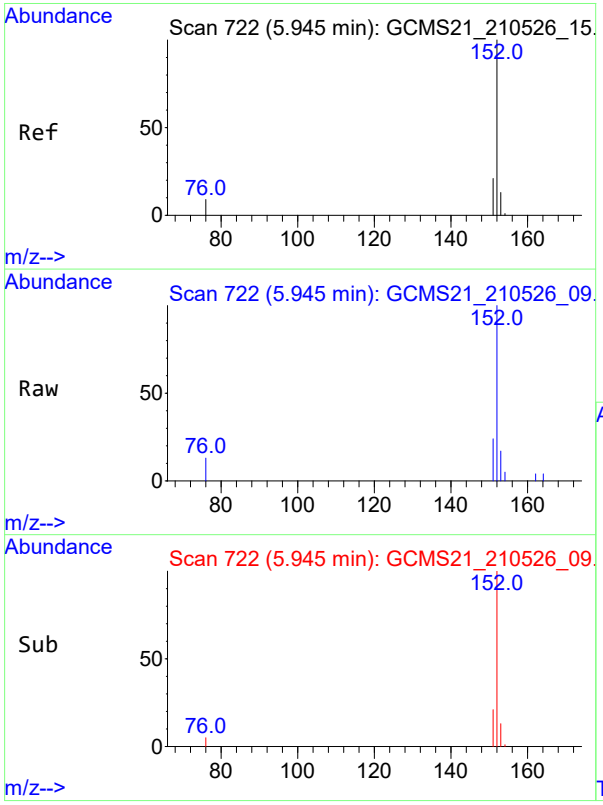


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:164 Resp: 313468

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.5	119.5

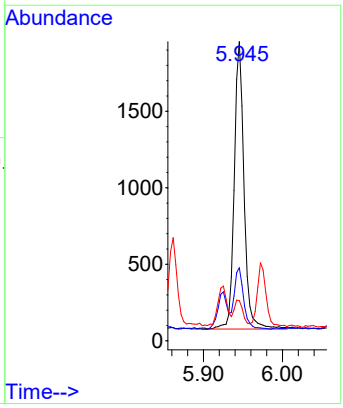


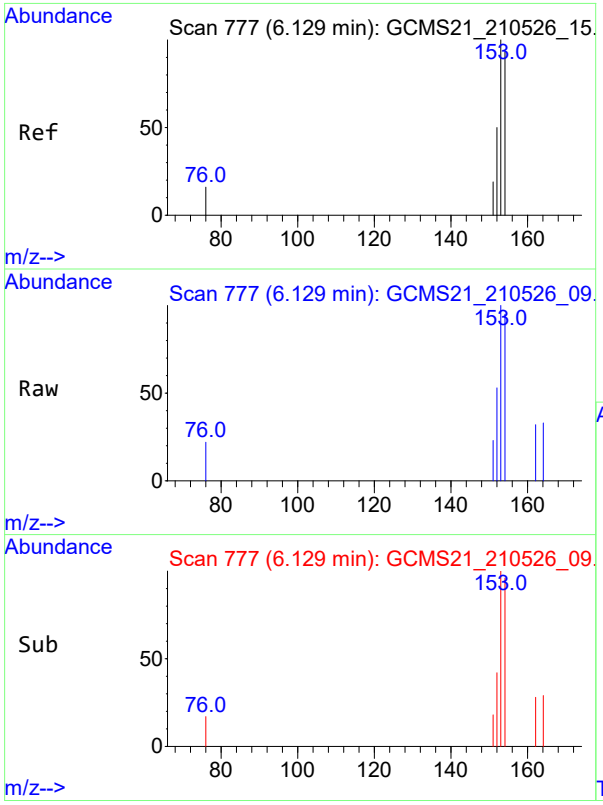


#7
Acenaphthylene
Concen: 1.60 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:152 Resp: 1613

Ion	Ratio	Lower	Upper
152	100		
151	21.1	0.0	51.5
76	8.5	0.0	39.5

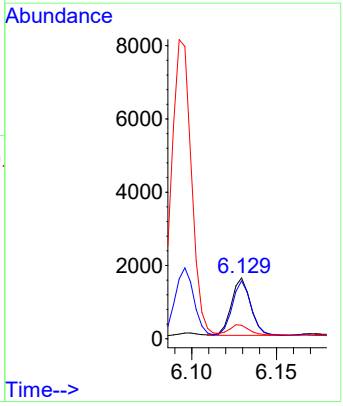


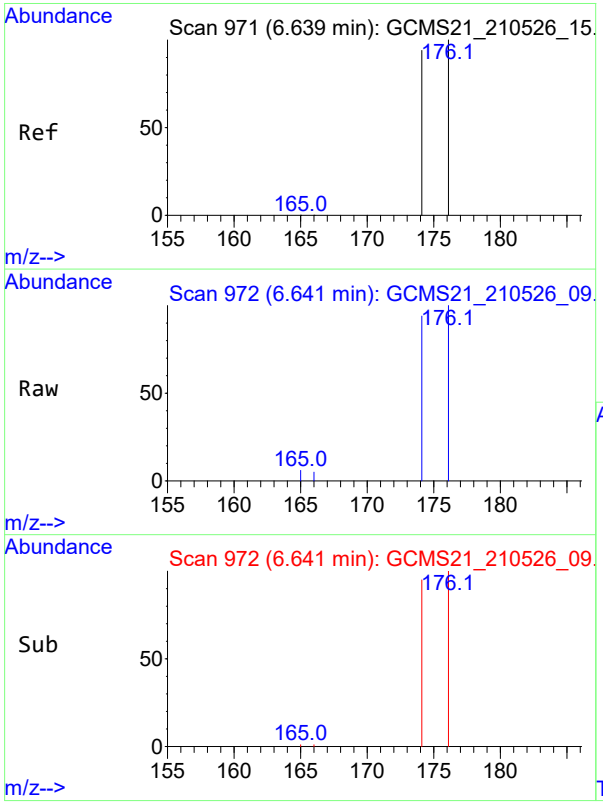


#8
Acenaphthene
Concen: 1.60 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:153 Resp: 1228

Ion	Ratio	Lower	Upper
153	100		
154	93.9	61.9	121.9
76	20.3	0.0	47.6

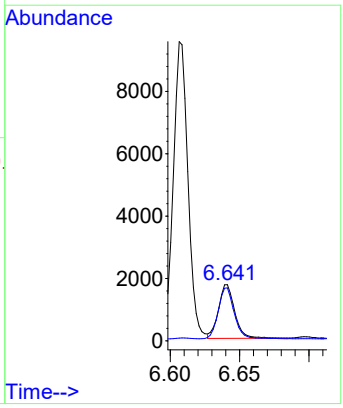


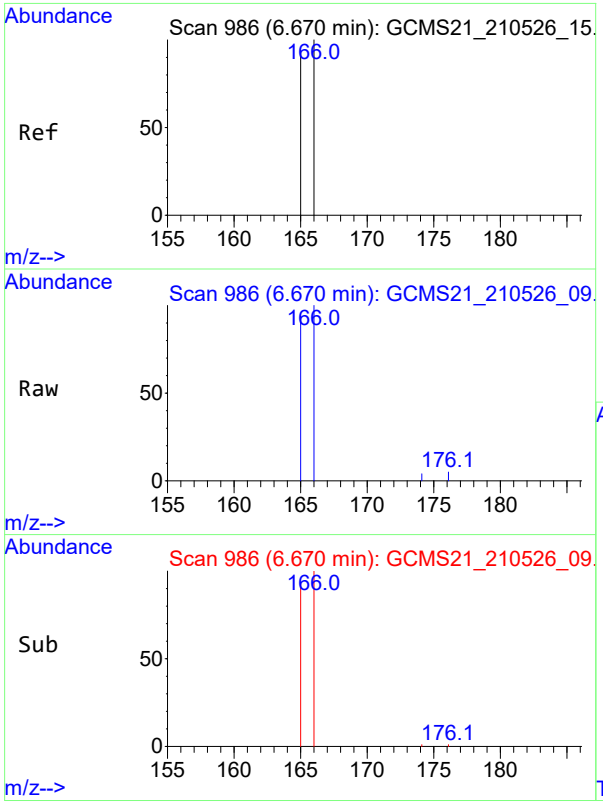


#9
Fluorene-D10
Concen: 1.91 ng/mL
RT: 6.641 min Scan# 972
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:176 Resp: 1396

Ion	Ratio	Lower	Upper
176	100		
174	93.6	64.3	124.3

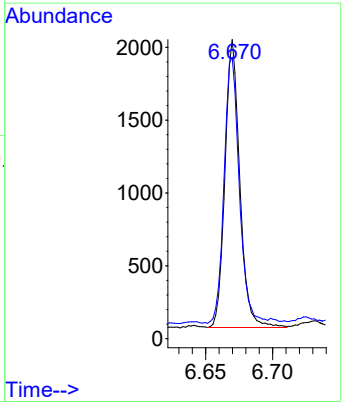


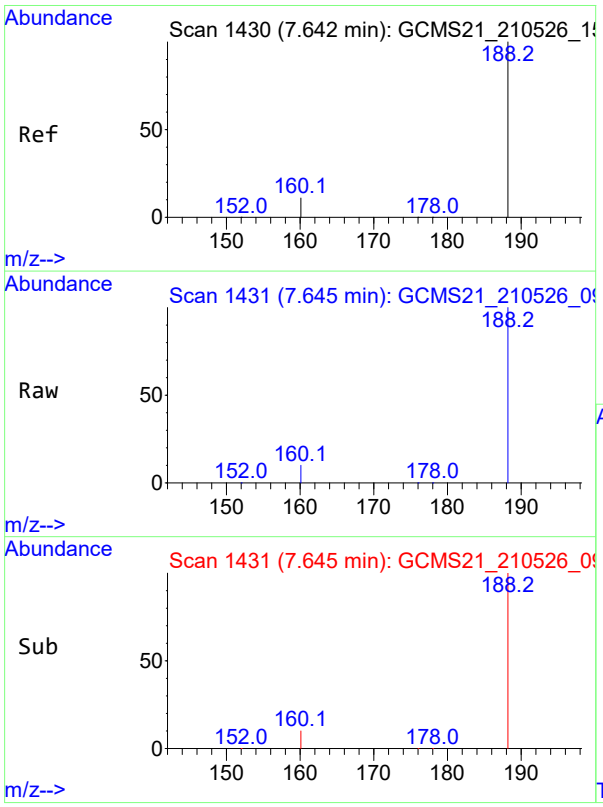


#10
Fluorene
Concen: 1.75 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. -0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:166 Resp: 1521

Ion	Ratio	Lower	Upper
166	100		
165	94.4	65.4	125.4

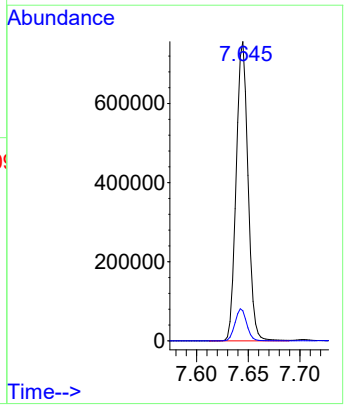


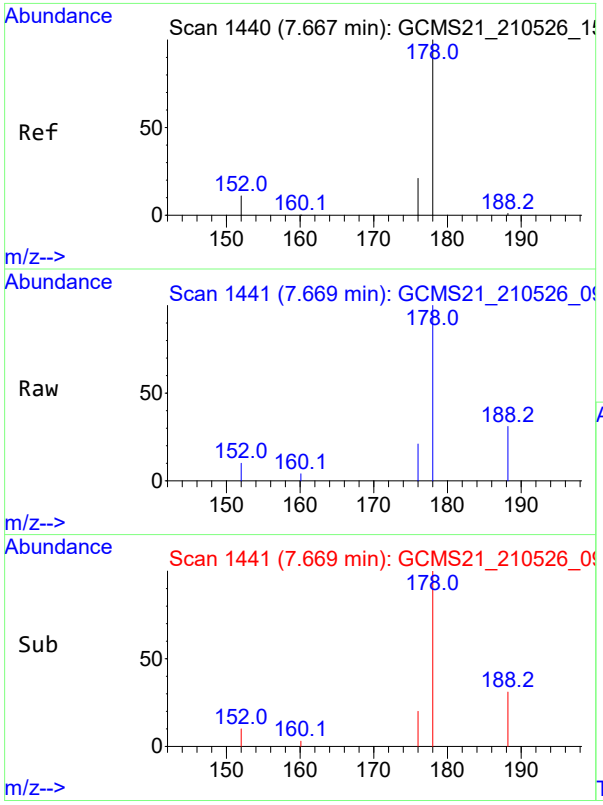


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:188 Resp: 601345

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	40.3

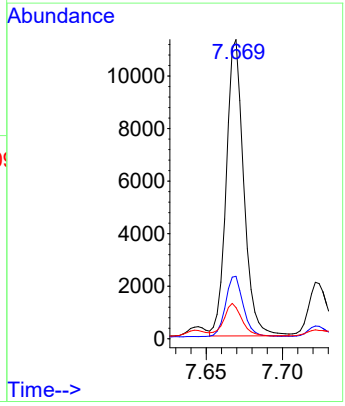


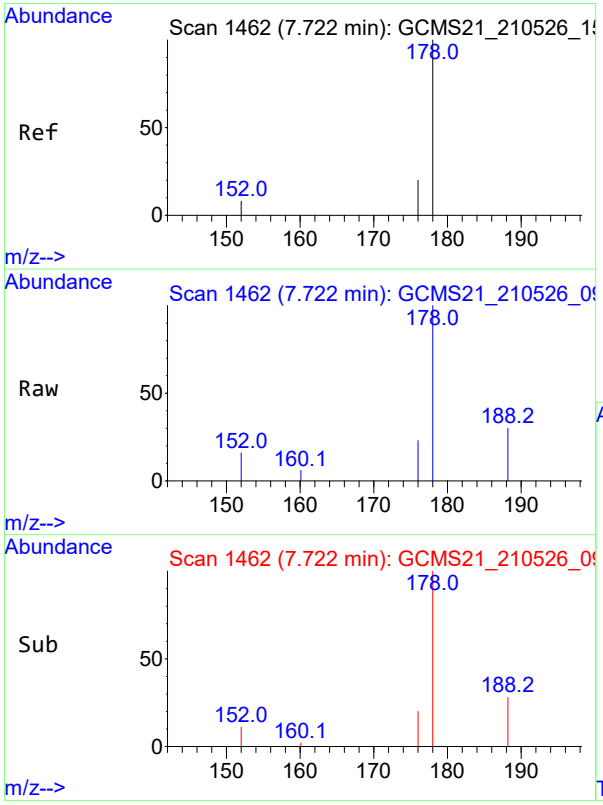


#12
Phenanthrene
Concen: 2.00 ng/mL
RT: 7.669 min Scan# 1441
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:178 Resp: 8994

Ion	Ratio	Lower	Upper
178	100		
176	21.1	0.0	50.9
152	11.3	0.0	40.7

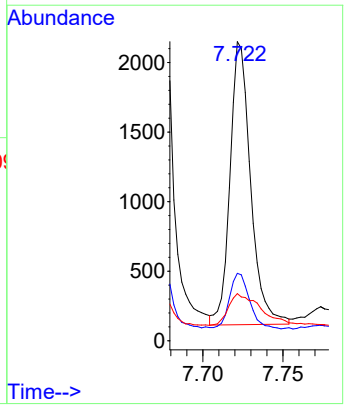


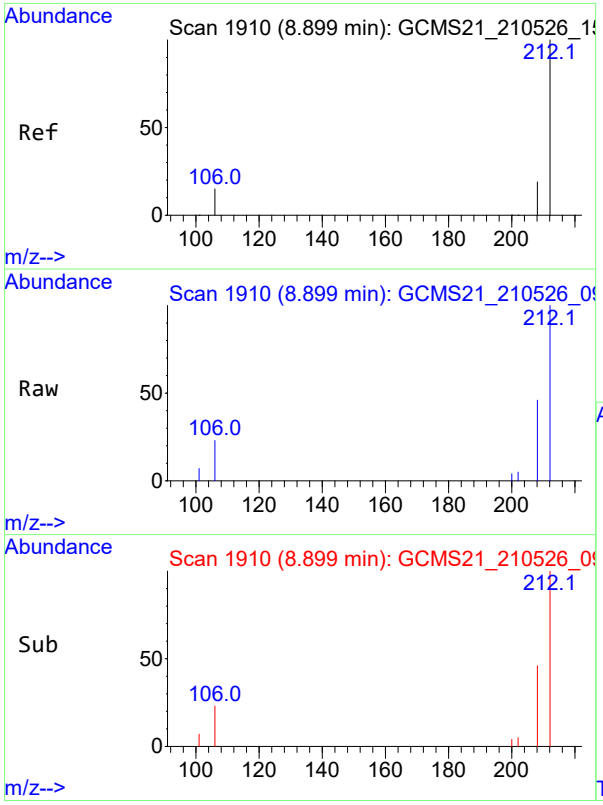


#13
Anthracene
Concen: 1.44 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:178 Resp: 1820

Ion	Ratio	Lower	Upper
178	100		
176	19.5	0.0	50.2
152	18.4	0.0	38.7

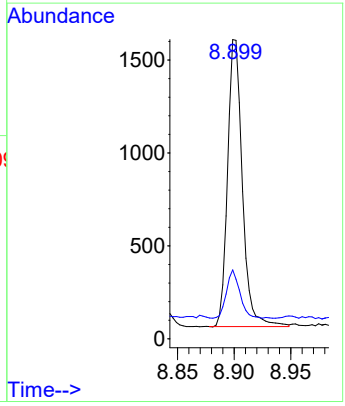


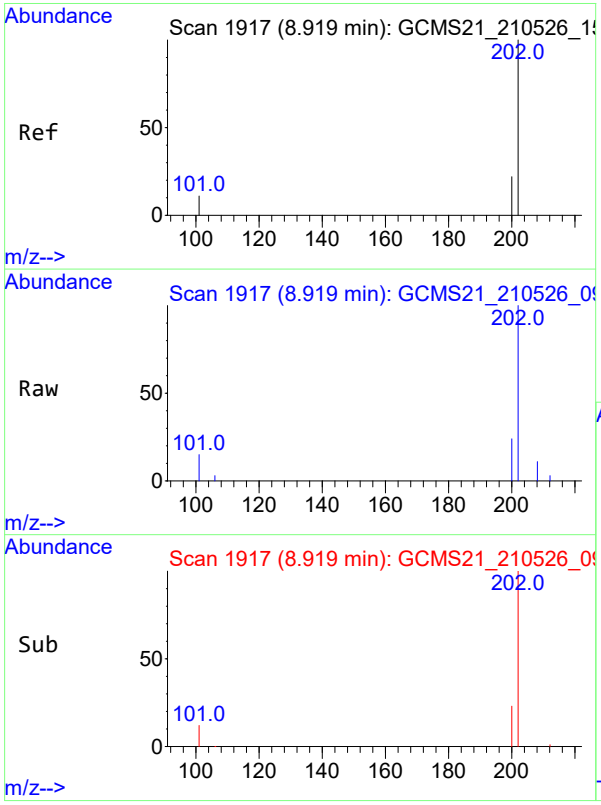


#14
Fluoranthene-D10
Concen: 1.04 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:212 Resp: 1400

Ion	Ratio	Lower	Upper
212	100		
106	15.1	0.0	45.1

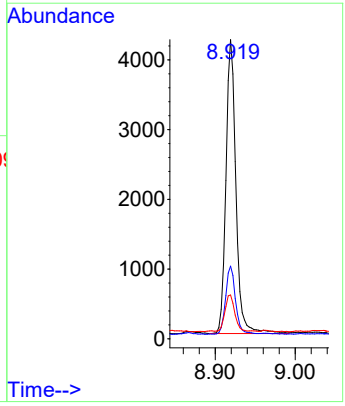


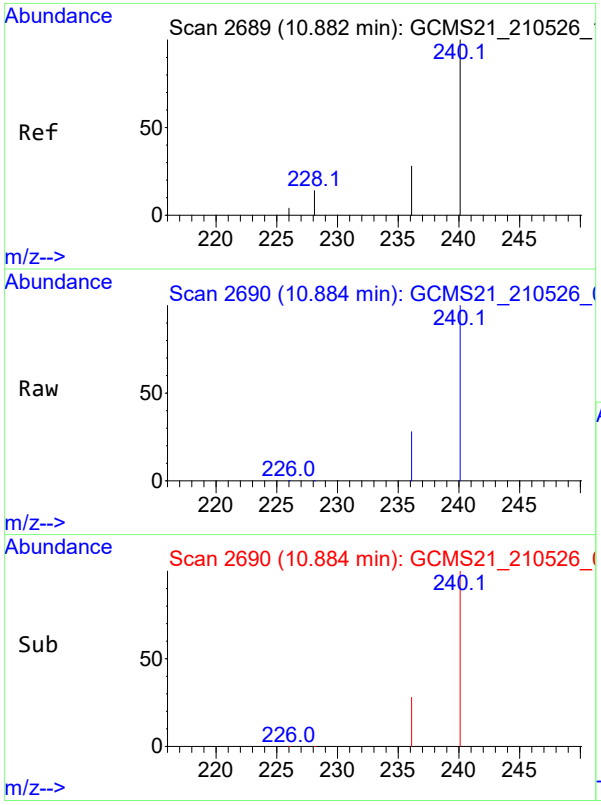


#15
Fluoranthene
Concen: 2.40 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:202 Resp: 3656

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	53.2
101	11.9	0.0	42.4

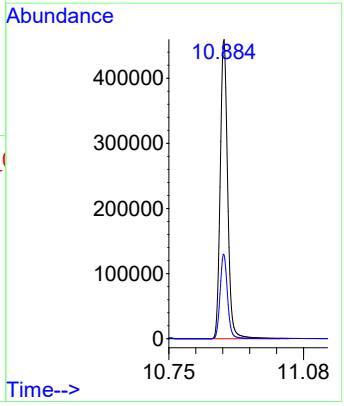


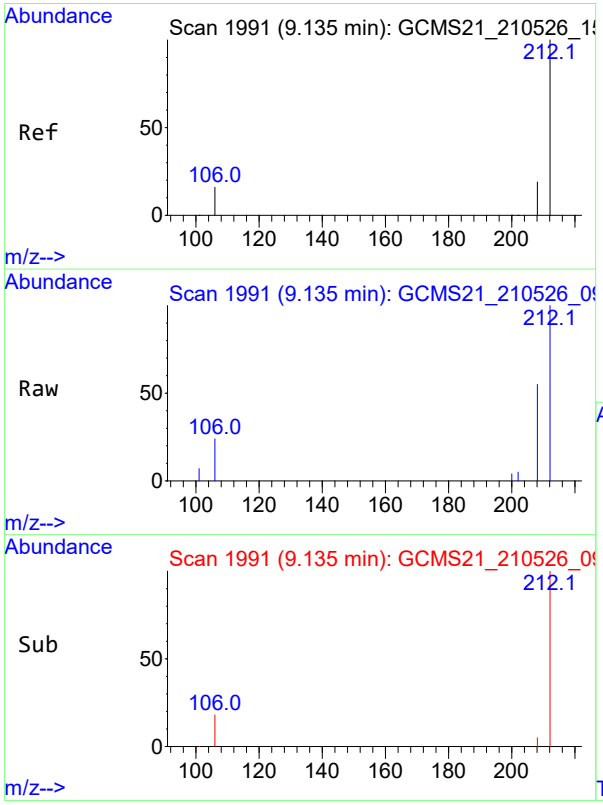


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.884 min Scan# 2690
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:240 Resp: 592911

Ion	Ratio	Lower	Upper
240	100		
236	28.3	0.0	58.5

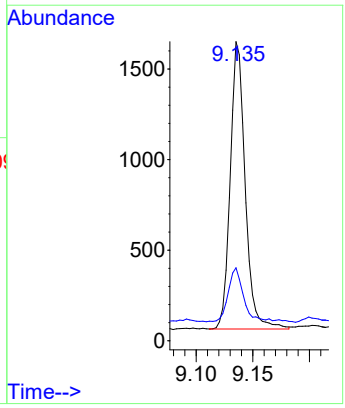


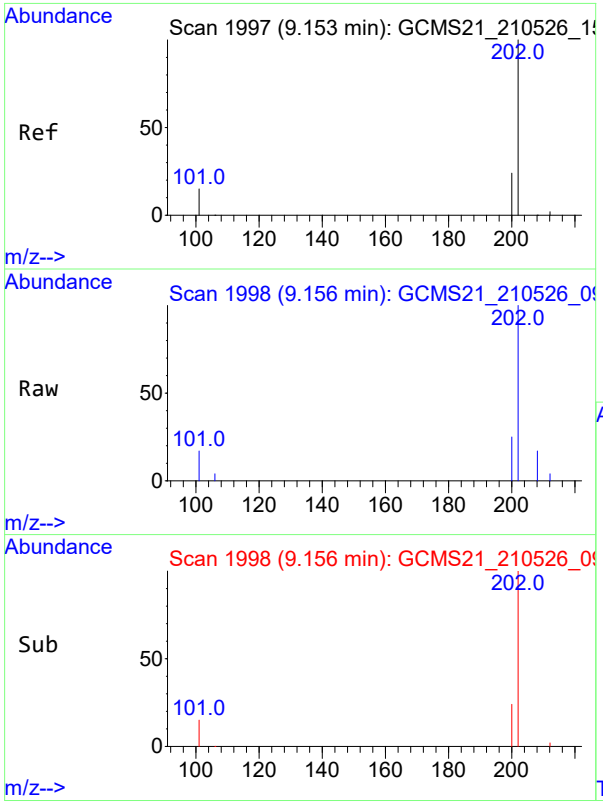


#17
Pyrene-D10
Concen: 1.08 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:212 Resp: 1454

Ion	Ratio	Lower	Upper
212	100		
106	19.2	0.0	47.4

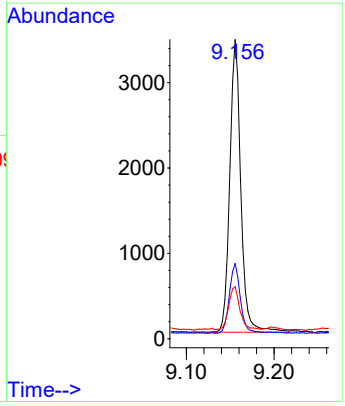


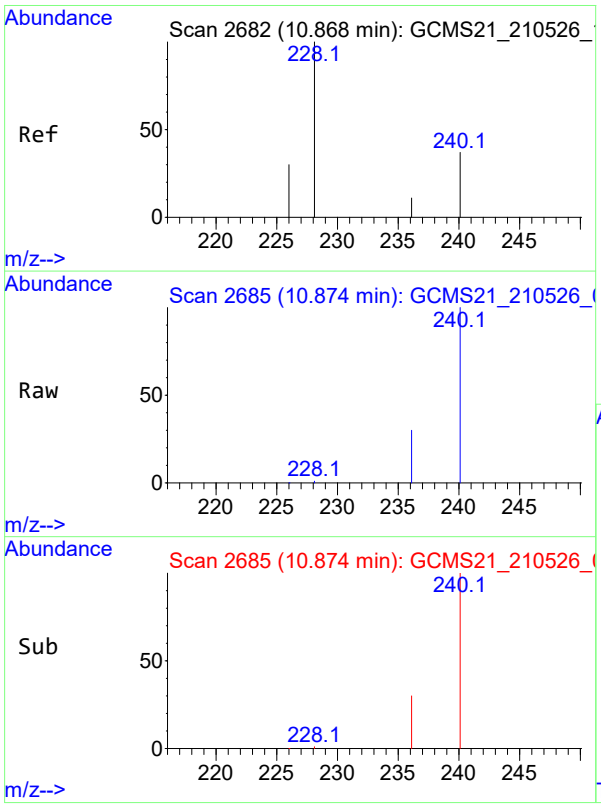


#18
Pyrene
Concen: 1.99 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:202 Resp: 2995

Ion	Ratio	Lower	Upper
202	100		
200	23.9	0.0	53.6
101	14.8	0.0	44.4

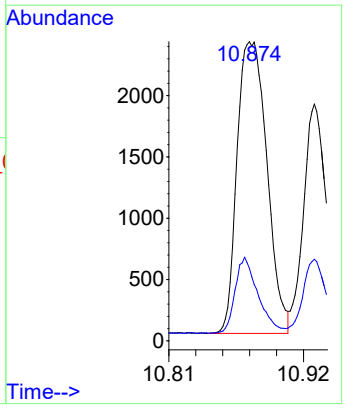


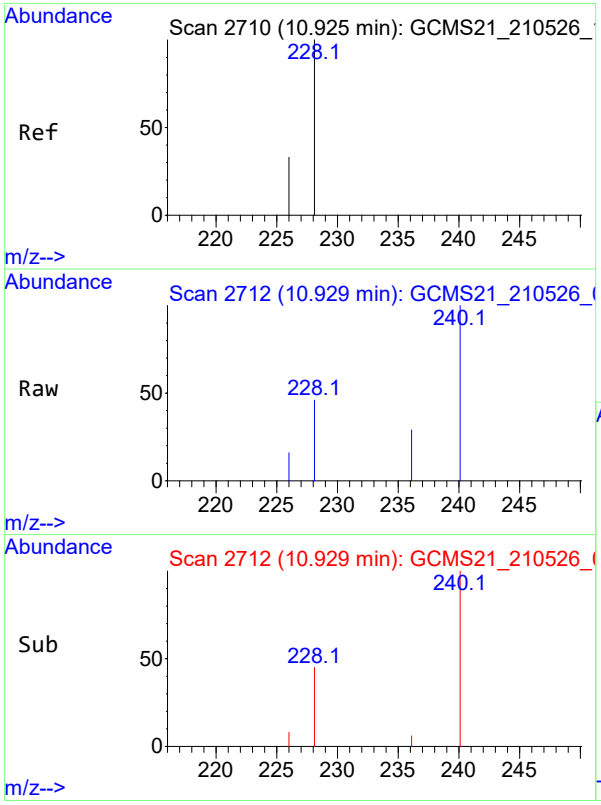


#19
Benzo(a)anthracene
Concen: 3.52 ng/mL
RT: 10.874 min Scan# 2685
Delta R.T. 0.006 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:228 Resp: 4197

Ion	Ratio	Lower	Upper
228	100		
226	20.1	0.0	59.6

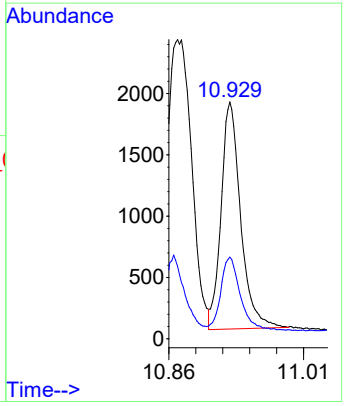


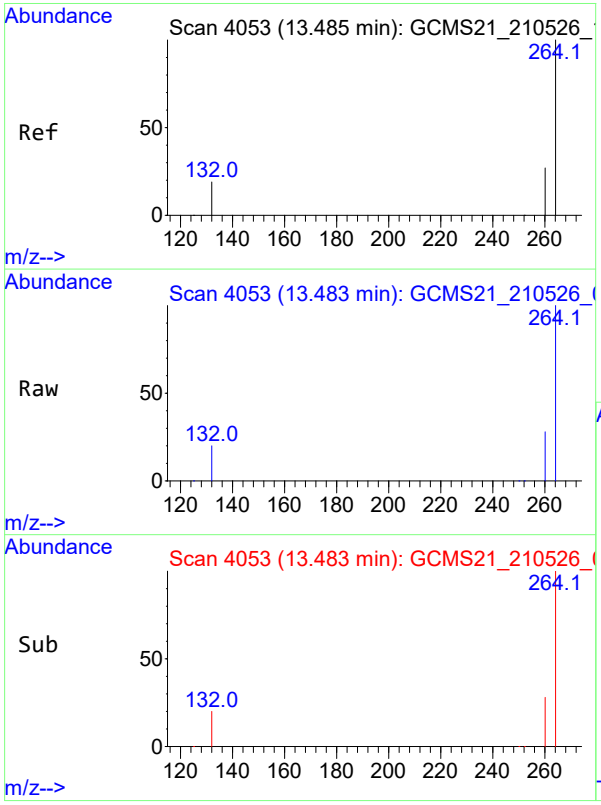


#20
Chrysene
Concen: 1.93 ng/mL
RT: 10.929 min Scan# 2712
Delta R.T. 0.004 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:228 Resp: 2650

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.5	62.5

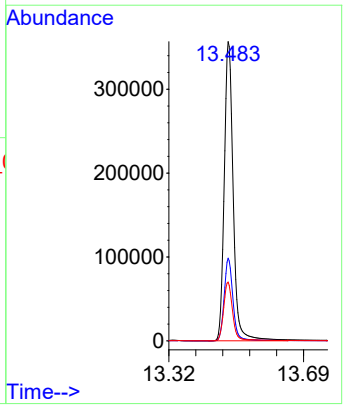


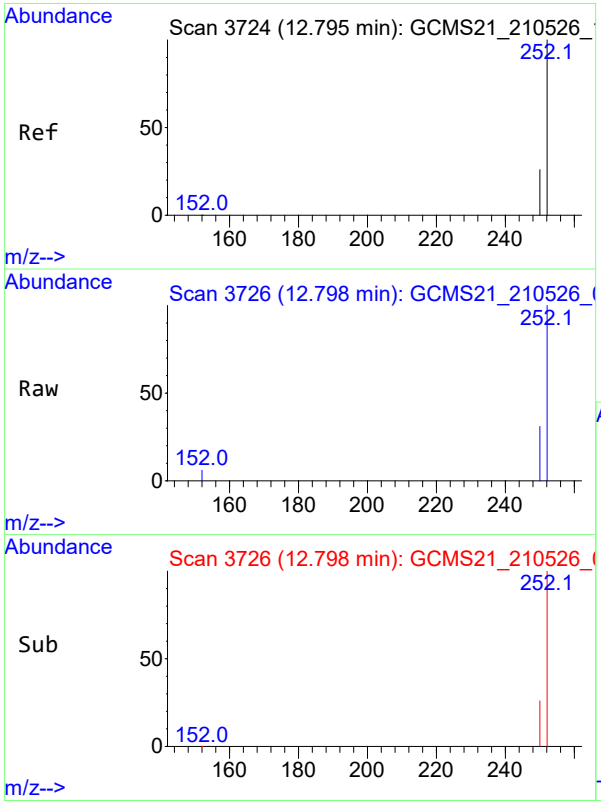


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.483 min Scan# 4053
Delta R.T. -0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:264 Resp: 596721

Ion	Ratio	Lower	Upper
264	100		
260	27.3	0.0	57.5
132	19.7	0.0	49.9

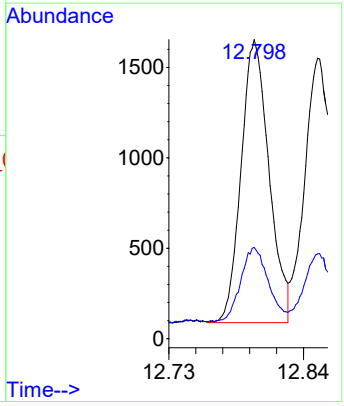


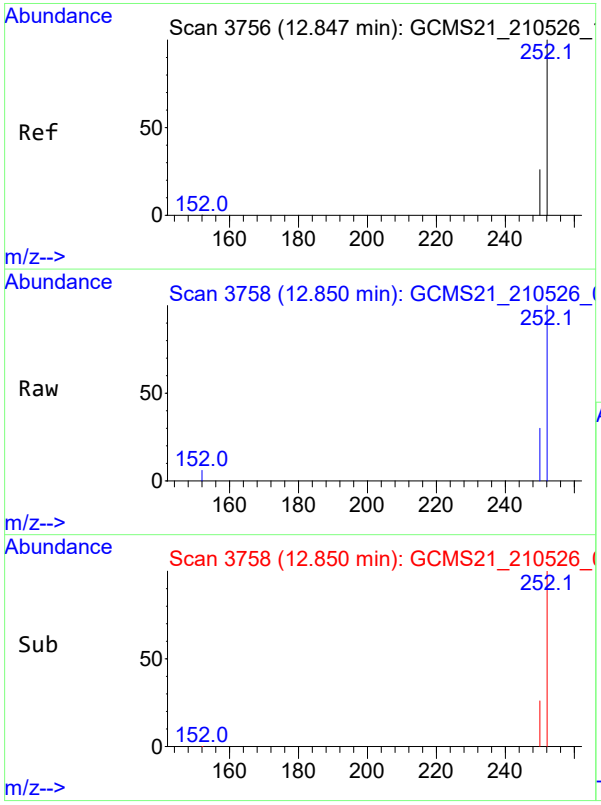


#22
Benzo(b)fluoranthene
Concen: 2.11 ng/mL
RT: 12.798 min Scan# 3726
Delta R.T. 0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 2483

Ion	Ratio	Lower	Upper
252	100		
250	26.2	0.0	56.2

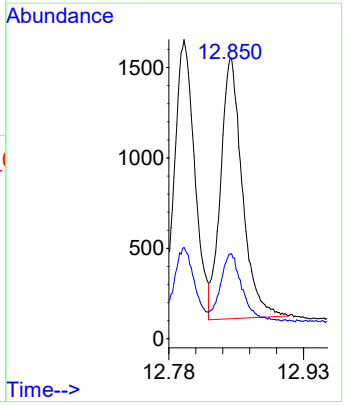


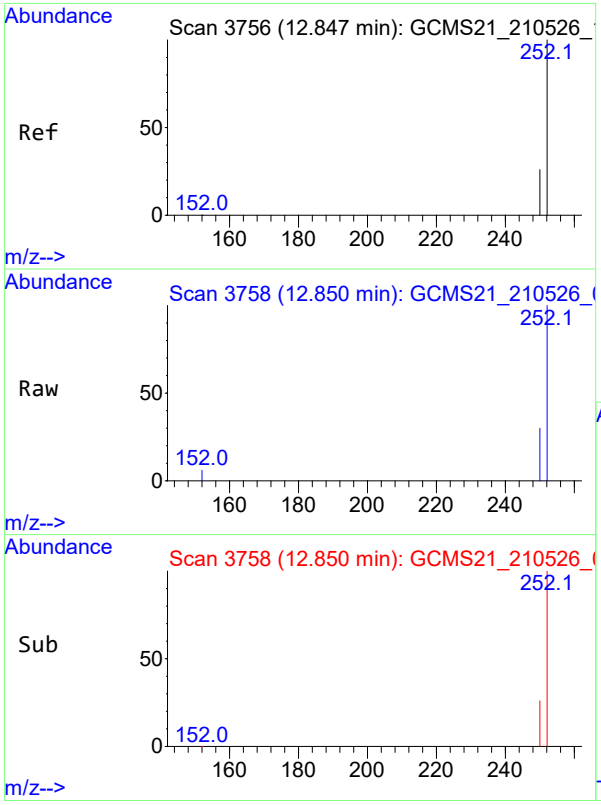


#23
Benzo(k)fluoranthene
Concen: 1.87 ng/mL
RT: 12.850 min Scan# 3758
Delta R.T. 0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 2449

Ion	Ratio	Lower	Upper
252	100		
250	24.3	0.0	55.4

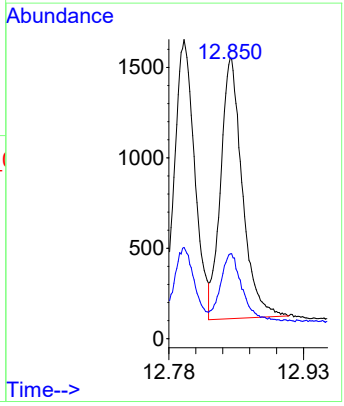


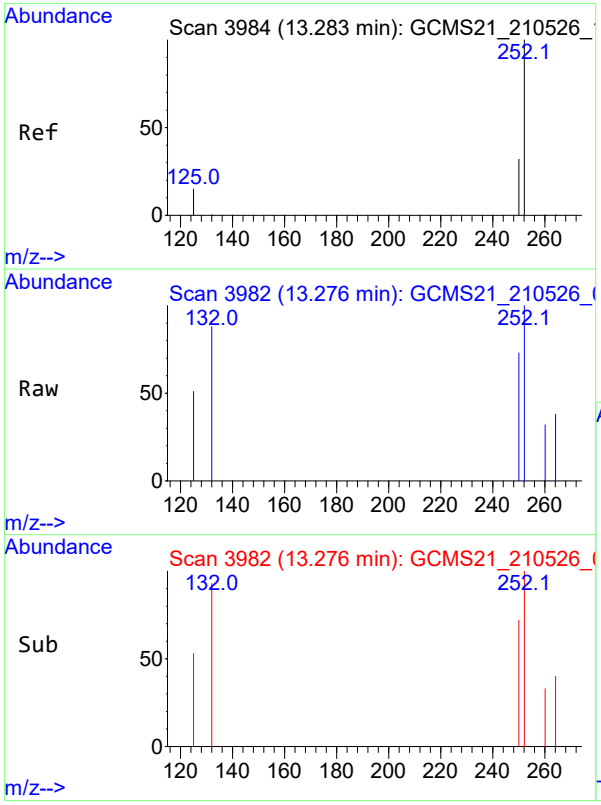


#24
benzo(b+k)fluoranthene (sum)
Concen: 1.96 ng/mL
RT: 12.850 min Scan# 3758
Delta R.T. 0.003 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 2449

Ion	Ratio	Lower	Upper
252	100		
250	24.3	0.0	56.3

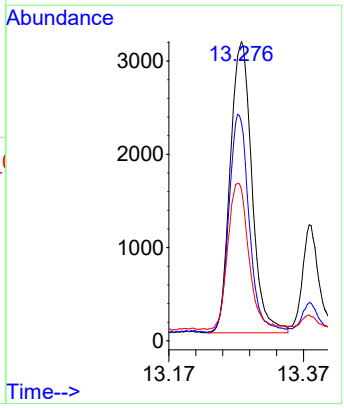


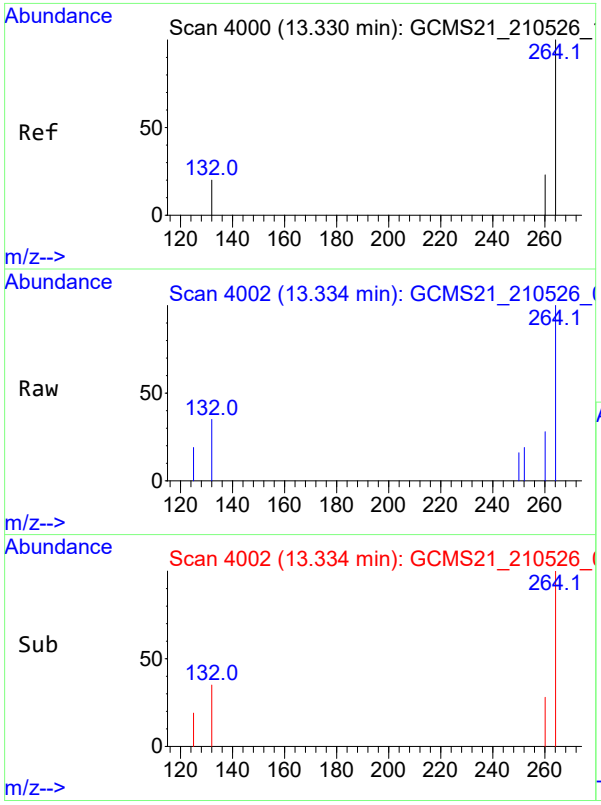


#25
Benzo(e)pyrene
Concen: 5.84 ng/mL
RT: 13.276 min Scan# 3982
Delta R.T. -0.007 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 7080

Ion	Ratio	Lower	Upper
252	100		
250	70.0	2.4	62.4#
125	48.5	0.0	46.0#

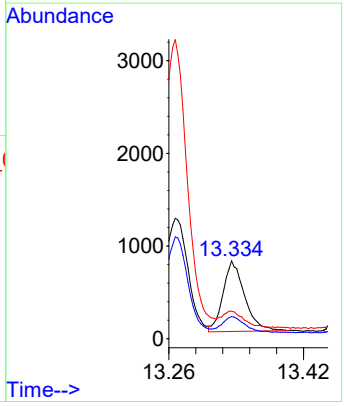


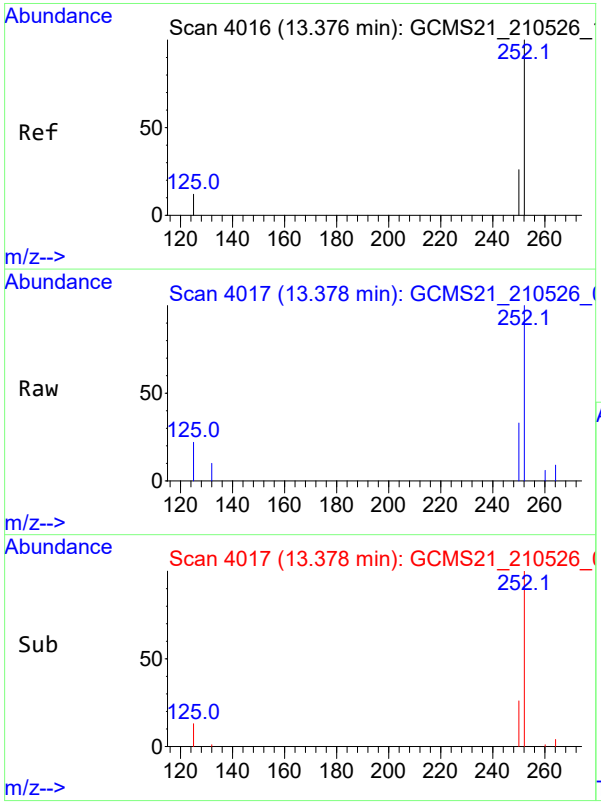


#26
Benzo(a)pyrene-D12
Concen: 1.26 ng/mL
RT: 13.334 min Scan# 4002
Delta R.T. 0.004 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:264 Resp: 1294

Ion	Ratio	Lower	Upper
264	100		
260	23.6	0.0	52.7
132	24.5	0.0	49.5

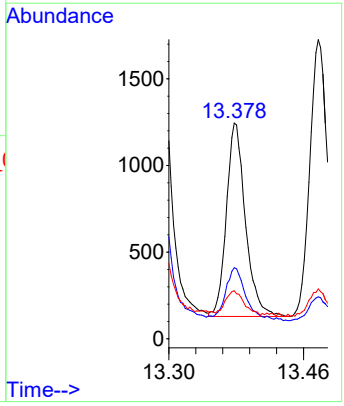


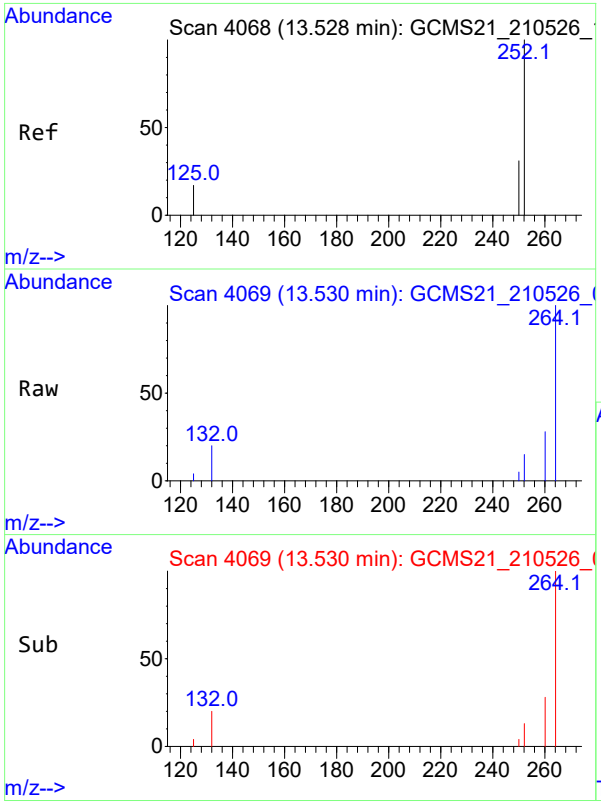


#27
Benzo(a)pyrene
Concen: 1.57 ng/mL
RT: 13.378 min Scan# 4017
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 1846

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	57.2
125	12.3	0.0	42.3

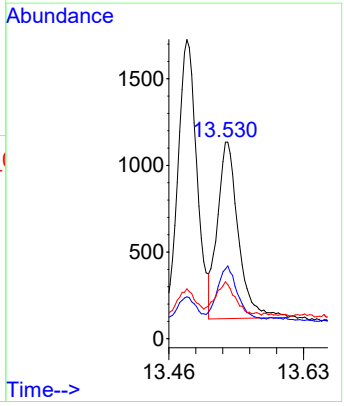


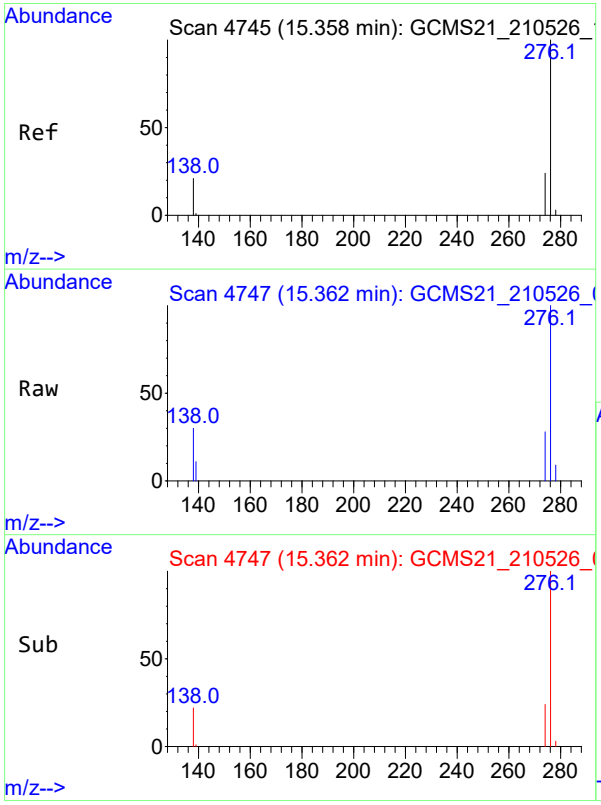


#28
Perylene
Concen: 1.41 ng/mL
RT: 13.530 min Scan# 4069
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:252 Resp: 1796

Ion	Ratio	Lower	Upper
252	100		
250	28.6	1.1	61.1
125	16.9	0.0	46.2

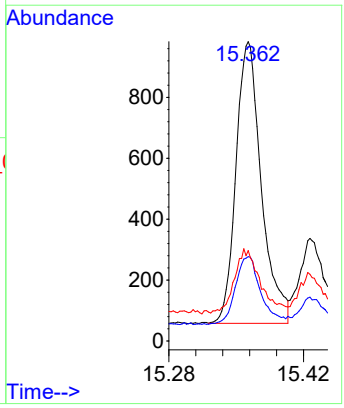


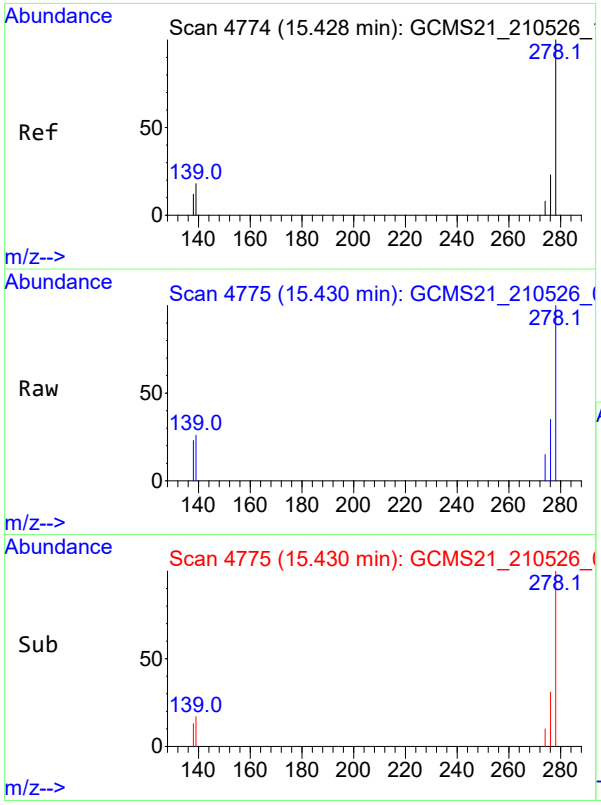


#29
Indeno(1,2,3-cd)pyrene
Concen: 1.77 ng/mL
RT: 15.362 min Scan# 4747
Delta R.T. 0.004 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:276 Resp: 1781

Ion	Ratio	Lower	Upper
276	100		
274	23.9	0.0	53.7
138	22.9	0.0	51.1

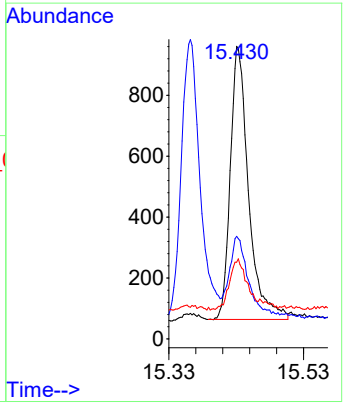


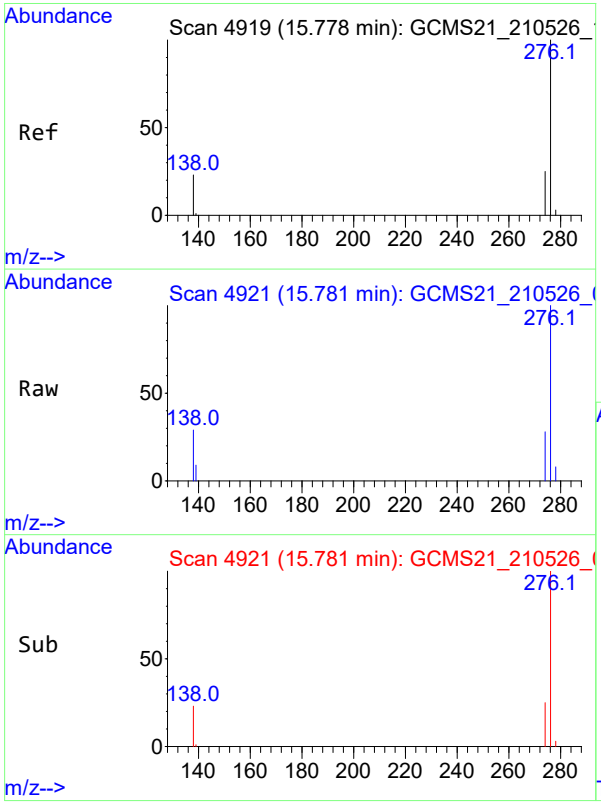


#30
Dibenz(a,h)anthracene
Concen: 1.54 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:278 Resp: 1653

Ion	Ratio	Lower	Upper
278	100		
276	30.5	2.7	62.7
139	17.1	0.0	47.4

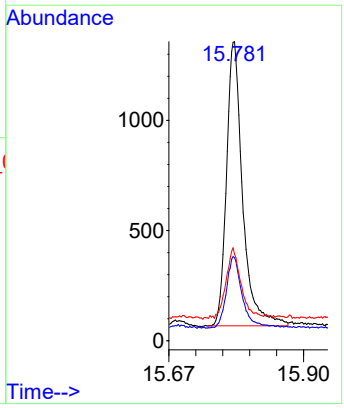




#31
Benzo(g,h,i)perylene
Concen: 1.93 ng/mL
RT: 15.781 min Scan# 4921
Delta R.T. 0.004 min
Lab File: GCMS21_210526_09.D
Acq: 26 May 2021 14:17

Tgt Ion:276 Resp: 2408

Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	54.7
138	22.8	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_10.D
Acq On : 26 May 2021 14:42
Operator : MN GCMS21
Sample : CAL 2_5ng/mL
Misc : LIMS 21B0102
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 02 11:53:32 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

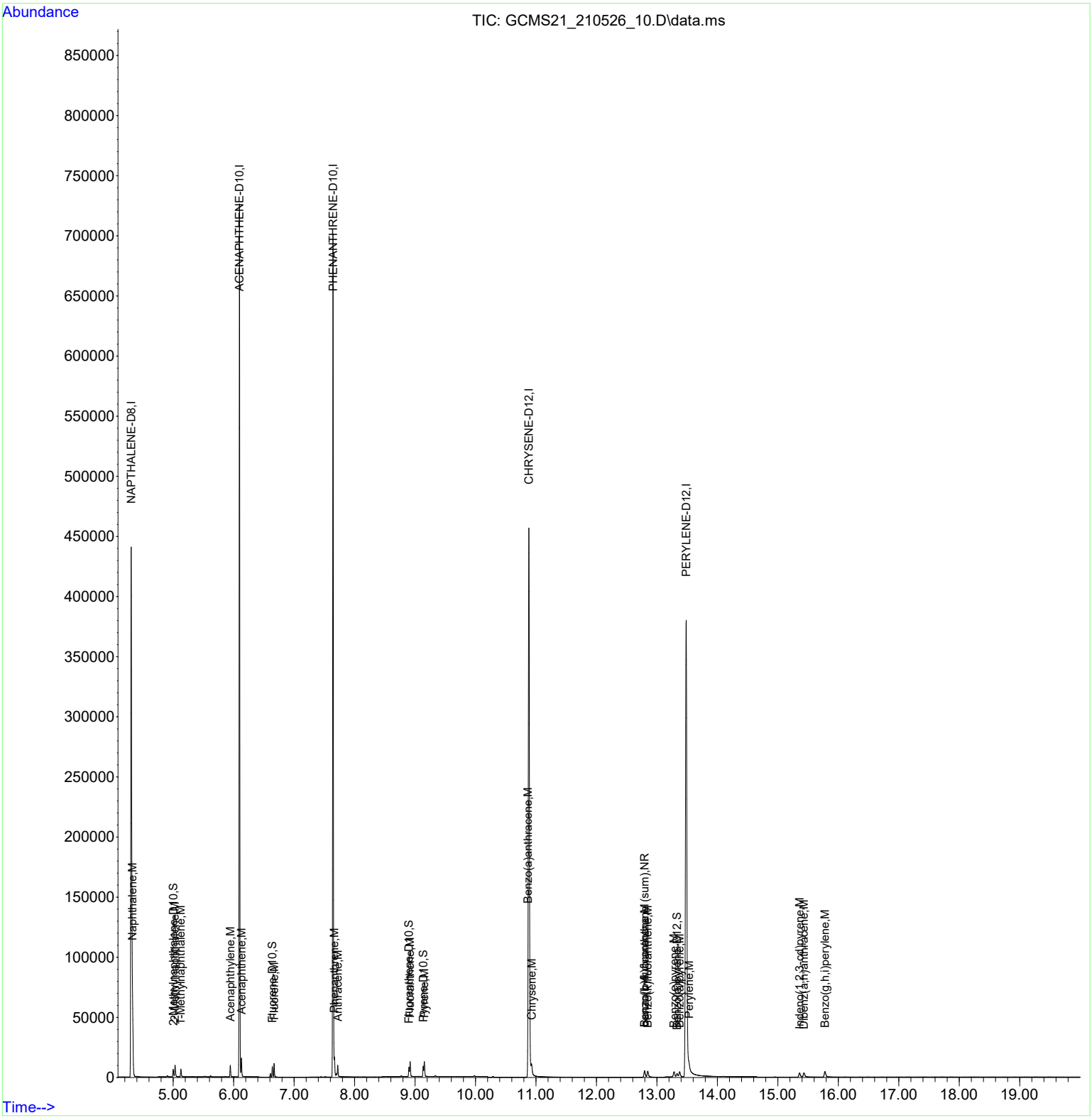
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.306	136	475423	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	260409	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	487797	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	459456	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	426439	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.001	152	2971	4.90	ng/mL	0.00
9) Fluorene-D10	6.639	176	3582	5.91	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	5200	4.77	ng/mL	0.00
17) Pyrene-D10	9.135	212	5463	5.21	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	3309	4.50	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	6334	6.94	ng/mL	99
4) 2-Methylnaphthalene	5.031	142	4303	6.65	ng/mL	100
5) 1-Methylnaphthalene	5.127	142	2740	4.71	ng/mL	99
7) Acenaphthylene	5.945	152	5341	6.37	ng/mL	99
8) Acenaphthene	6.130	153	4127	6.49	ng/mL	99
10) Fluorene	6.670	166	4474	6.19	ng/mL	100
12) Phenanthrene	7.667	178	8051	2.70	ng/mL	100
13) Anthracene	7.722	178	5767	5.61	ng/mL	100
15) Fluoranthene	8.919	202	7920	6.42	ng/mL	99
18) Pyrene	9.153	202	8057	6.90	ng/mL	100
19) Benzo(a)anthracene	10.868	228	7752	8.38	ng/mL	92
20) Chrysene	10.927	228	7673	7.23	ng/mL	98
22) Benzo(b)fluoranthene	12.797	252	6634	7.90	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	6443	6.89	ng/mL	98
24) benzo(b+k)fluoranthene...	12.797	252	13114m	14.68	ng/mL	
25) Benzo(e)pyrene	13.283	252	4802	5.55	ng/mL	98
27) Benzo(a)pyrene	13.377	252	4699	5.60	ng/mL	100
28) Perylene	13.531	252	4622	5.08	ng/mL	98
29) Indeno(1,2,3-cd)pyrene	15.361	276	4225	5.86	ng/mL	99
30) Dibenz(a,h)anthracene	15.430	278	3858	5.03	ng/mL	96
31) Benzo(g,h,i)perylene	15.780	276	5758	6.44	ng/mL	99

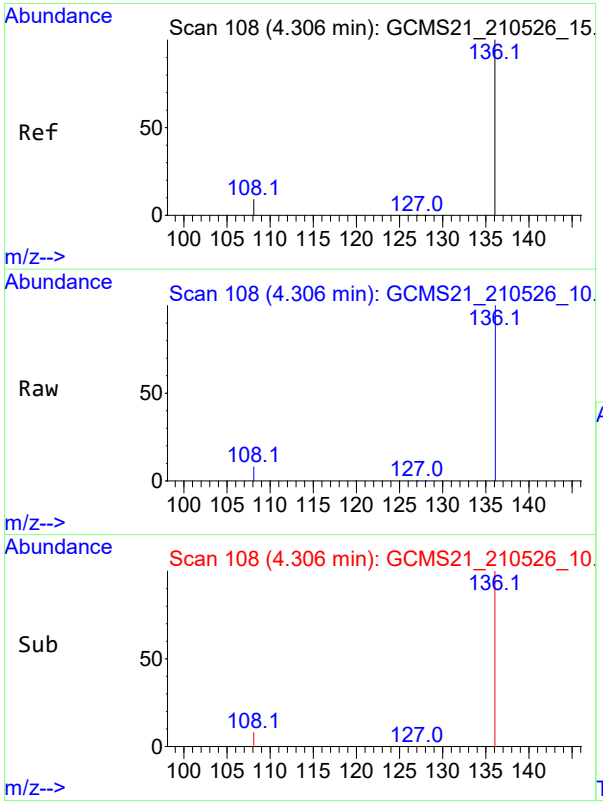
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_10.D
Acq On : 26 May 2021 14:42
Operator : MN GCMS21
Sample : CAL 2_5ng/mL
Misc : LIMS 21B0102
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 02 11:53:32 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

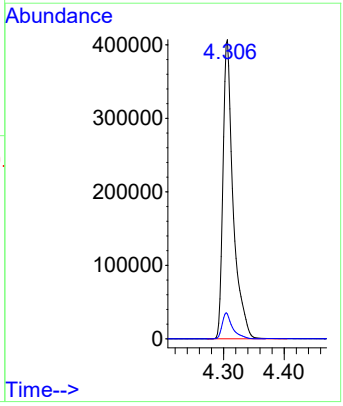


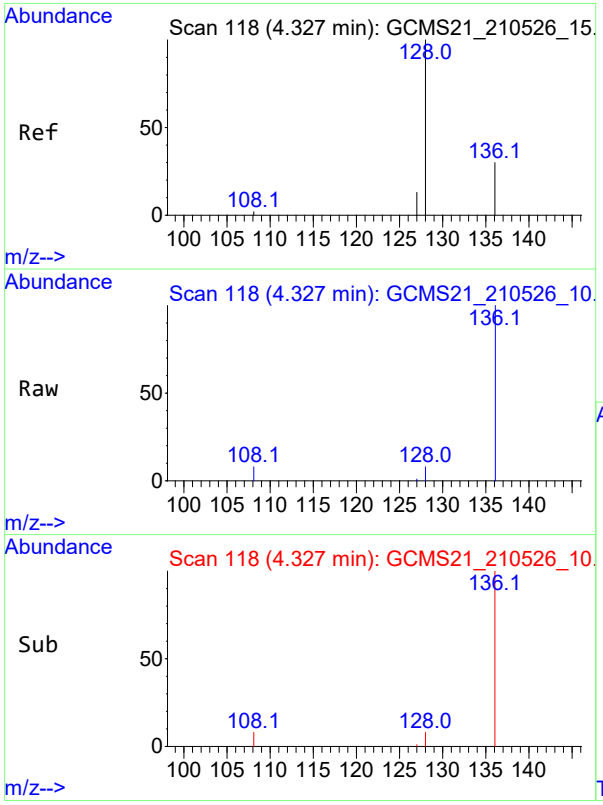


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:136 Resp: 475423

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	29.0

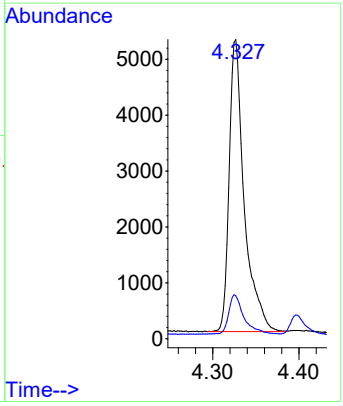


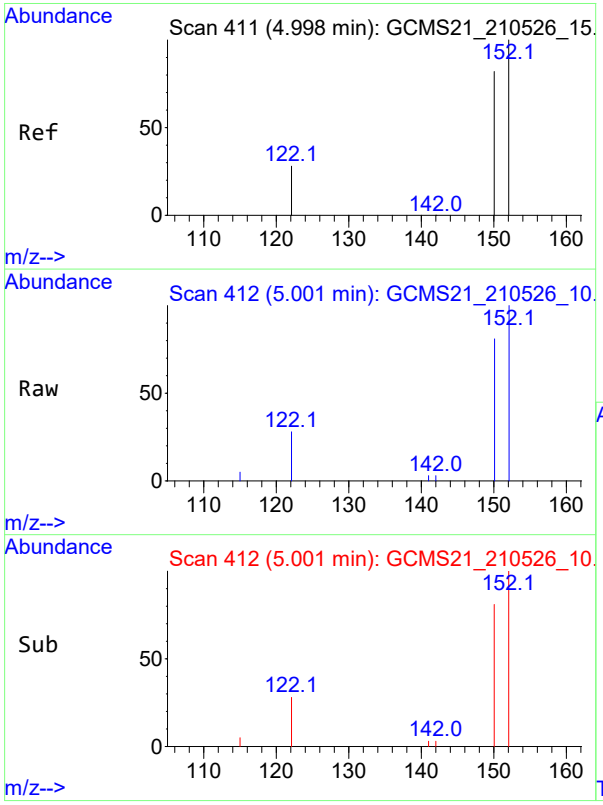


#2
Naphthalene
Concen: 6.94 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:128 Resp: 6334

Ion	Ratio	Lower	Upper
128	100		
127	13.9	0.0	43.4

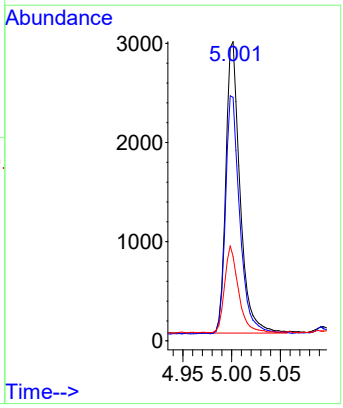


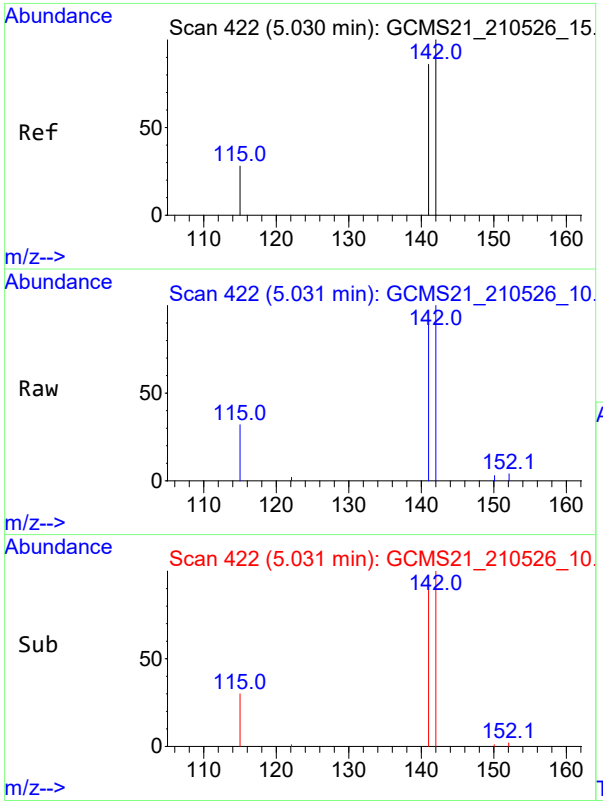


#3
2-Methylnaphthalene-D10
Concen: 4.90 ng/mL
RT: 5.001 min Scan# 412
Delta R.T. 0.003 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:152 Resp: 2971

Ion	Ratio	Lower	Upper
152	100		
150	82.5	57.5	106.7
122	29.0	20.1	37.3

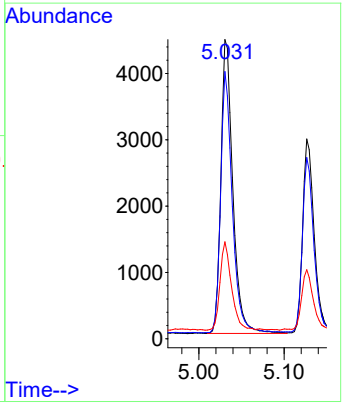


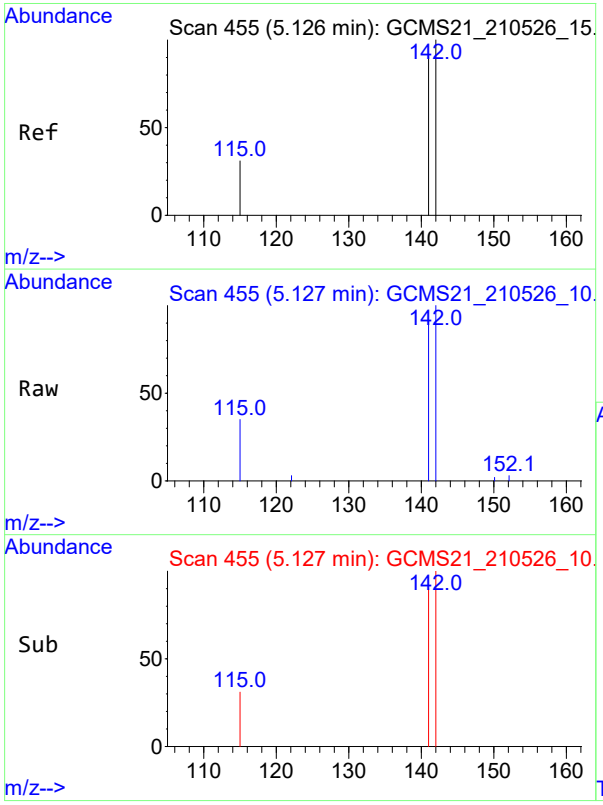


#4
2-Methylnaphthalene
Concen: 6.65 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:142 Resp: 4303

Ion	Ratio	Lower	Upper
142	100		
141	86.8	56.5	116.5
115	29.0	0.0	59.3

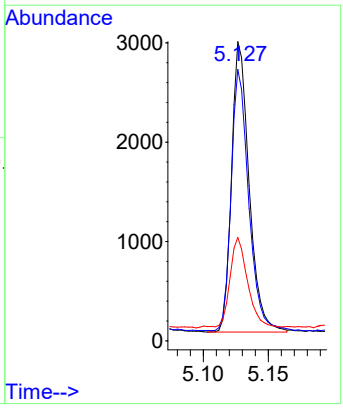


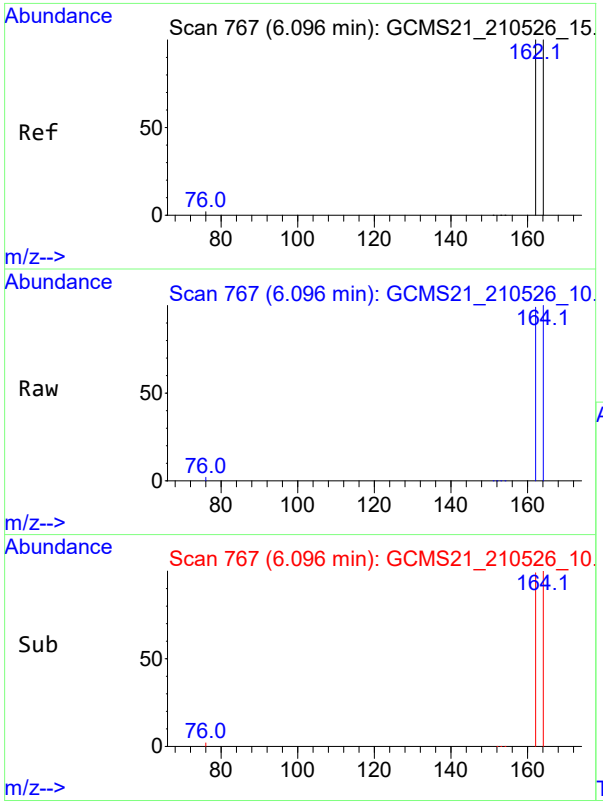


#5
1-Methylnaphthalene
Concen: 4.71 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:142 Resp: 2740

Ion	Ratio	Lower	Upper
142	100		
141	89.3	59.6	119.6
115	30.3	1.2	61.2

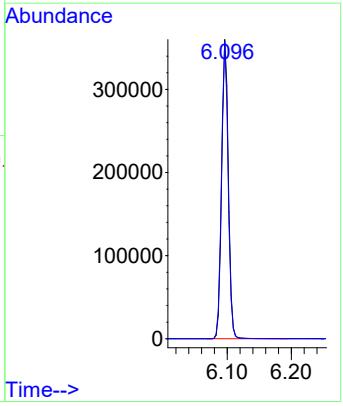


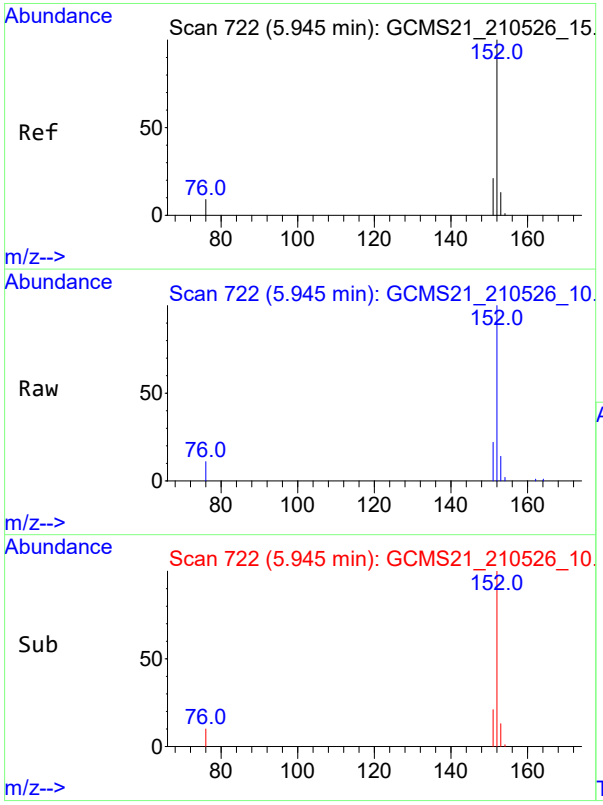


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:164 Resp: 260409

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.5	119.5

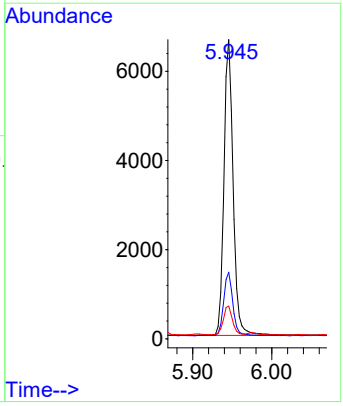


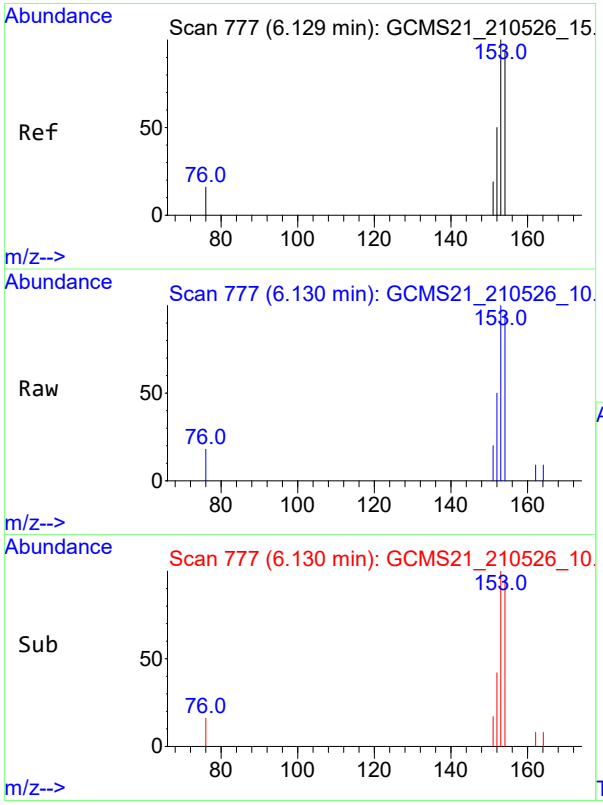


#7
Acenaphthylene
Concen: 6.37 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:152 Resp: 5341

Ion	Ratio	Lower	Upper
152	100		
151	21.1	0.0	51.5
76	9.5	0.0	39.5

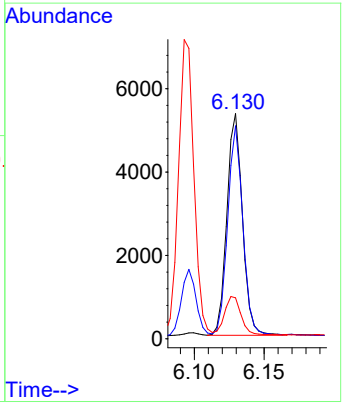


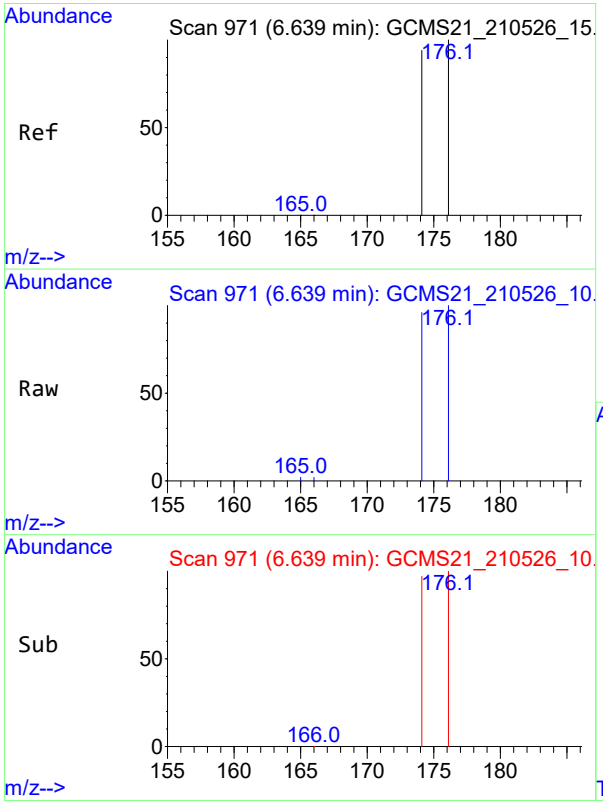


#8
Acenaphthene
Concen: 6.49 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:153 Resp: 4127

Ion	Ratio	Lower	Upper
153	100		
154	92.9	61.9	121.9
76	18.4	0.0	47.6

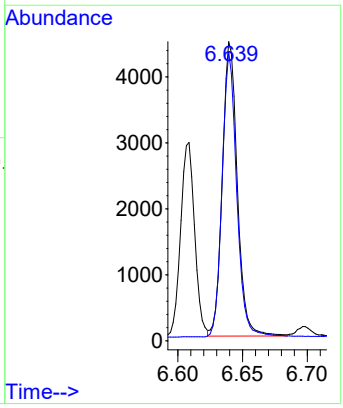


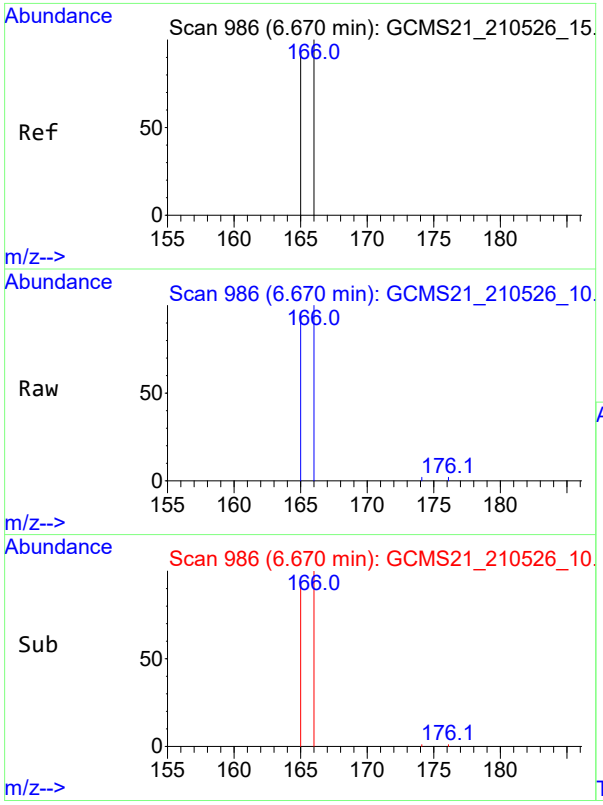


#9
Fluorene-D10
Concen: 5.91 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:176 Resp: 3582

Ion	Ratio	Lower	Upper
176	100		
174	94.4	66.0	122.6

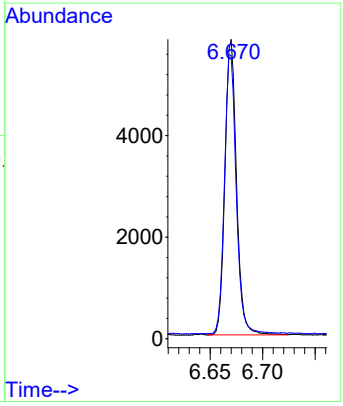


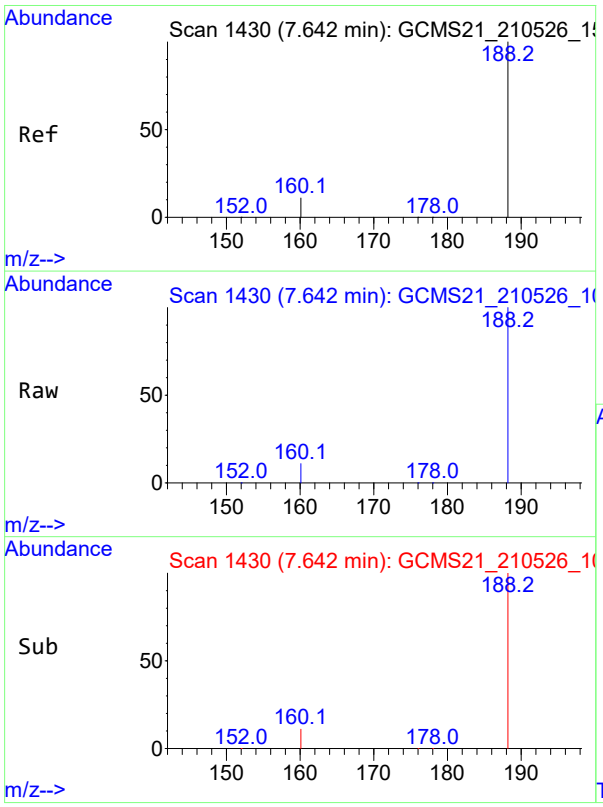


#10
Fluorene
Concen: 6.19 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:166 Resp: 4474

Ion	Ratio	Lower	Upper
166	100		
165	95.9	65.4	125.4

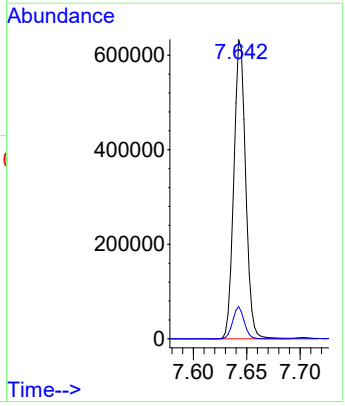


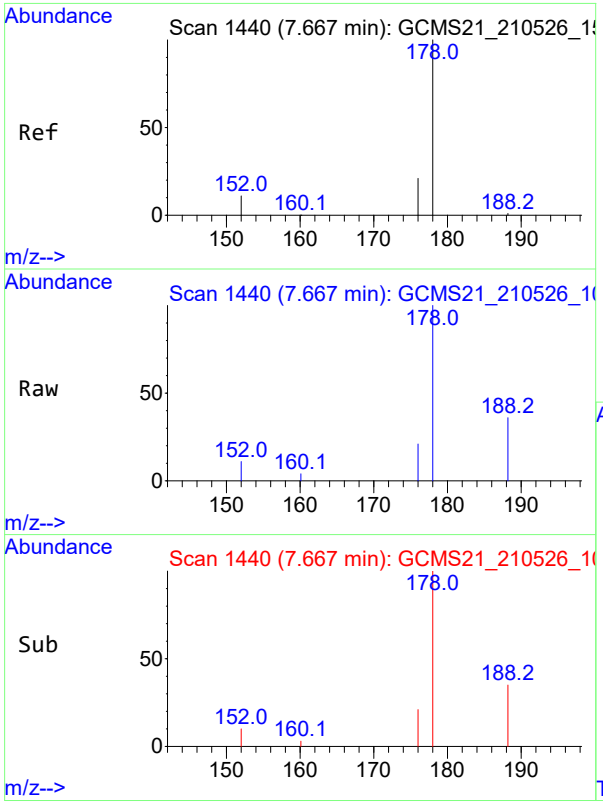


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:188 Resp: 487797

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

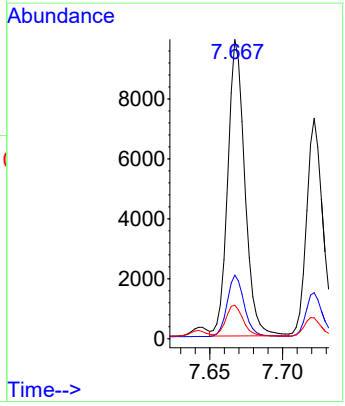


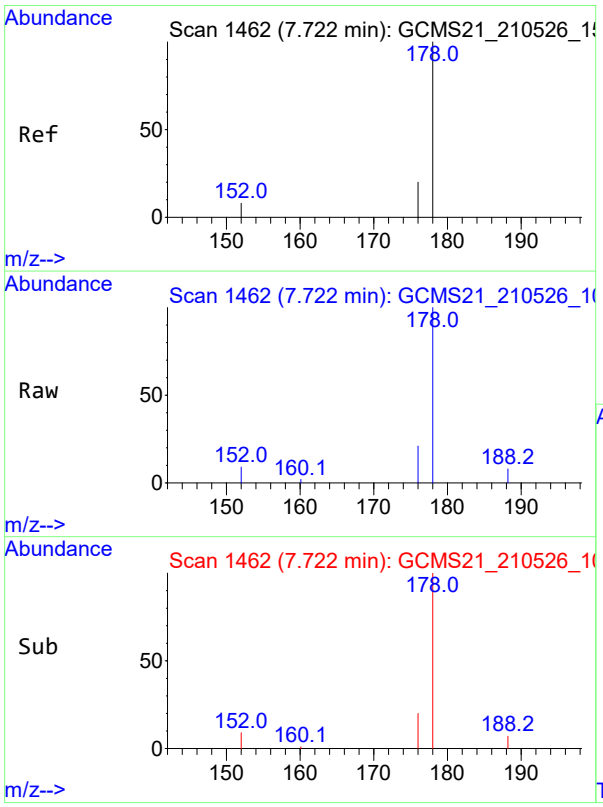


#12
Phenanthrene
Concen: 2.70 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:178 Resp: 8051

Ion	Ratio	Lower	Upper
178	100		
176	20.7	0.0	50.9
152	10.8	0.0	40.7

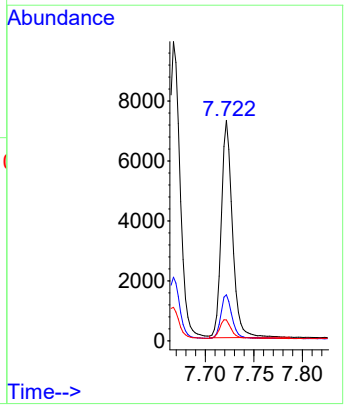


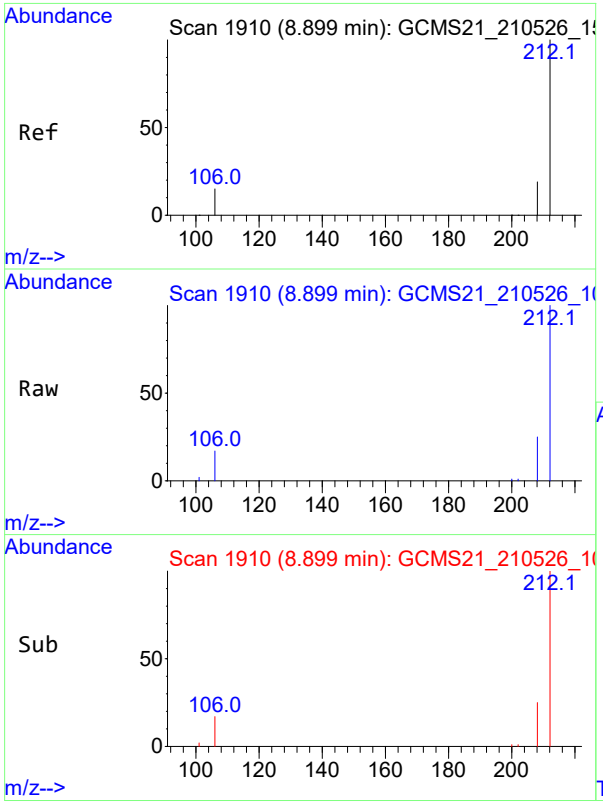


#13
Anthracene
Concen: 5.61 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:178 Resp: 5767

Ion	Ratio	Lower	Upper
178	100		
176	20.0	0.0	50.2
152	8.8	0.0	38.7

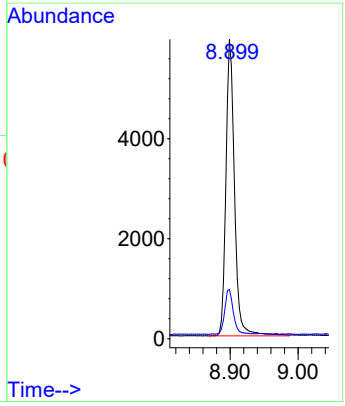


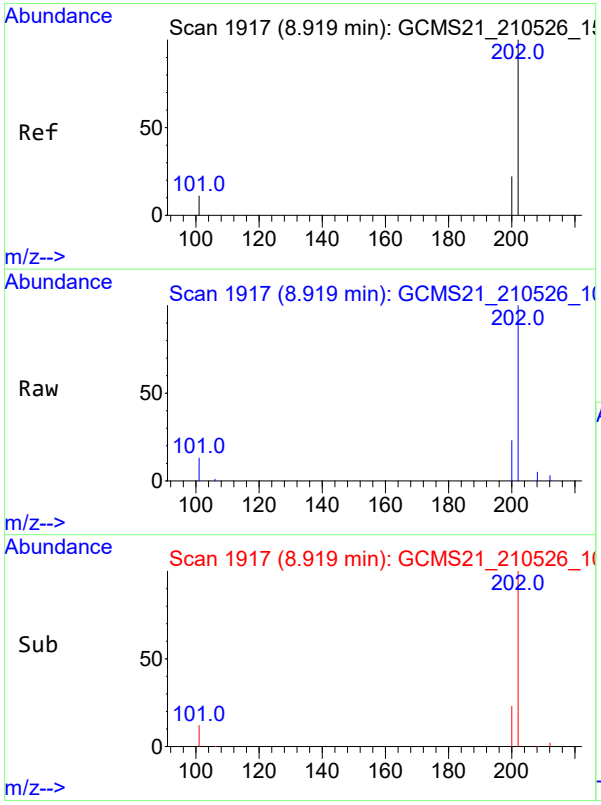


#14
Fluoranthene-D10
Concen: 4.77 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:212 Resp: 5200

Ion	Ratio	Lower	Upper
212	100		
106	15.2	10.6	19.6

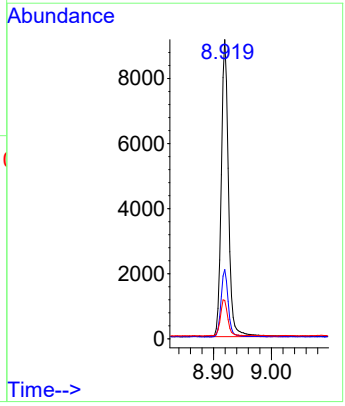


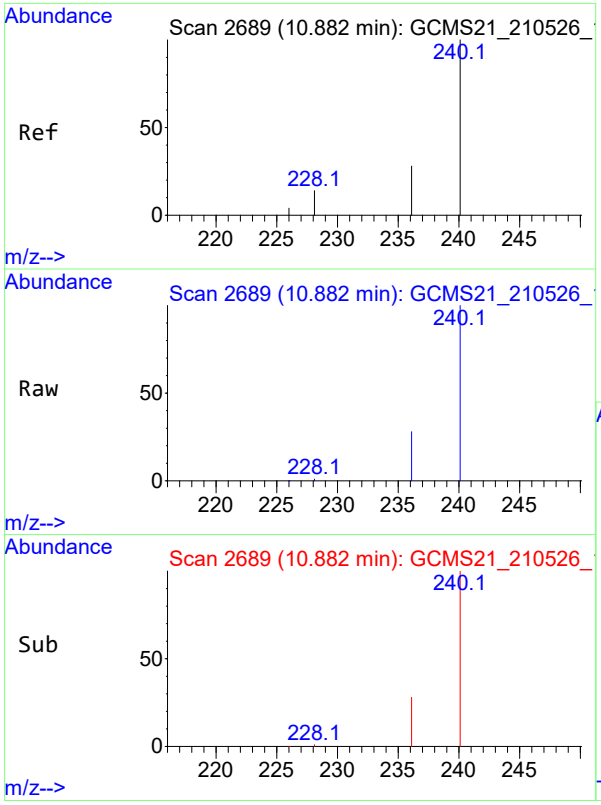


#15
Fluoranthene
Concen: 6.42 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:202 Resp: 7920

Ion	Ratio	Lower	Upper
202	100		
200	22.7	0.0	53.2
101	12.5	0.0	42.4

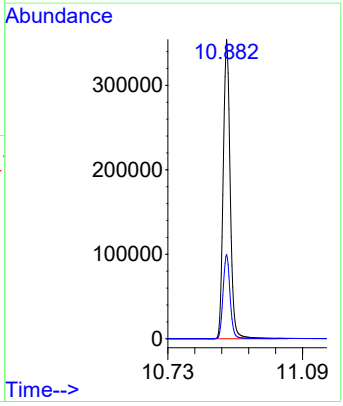


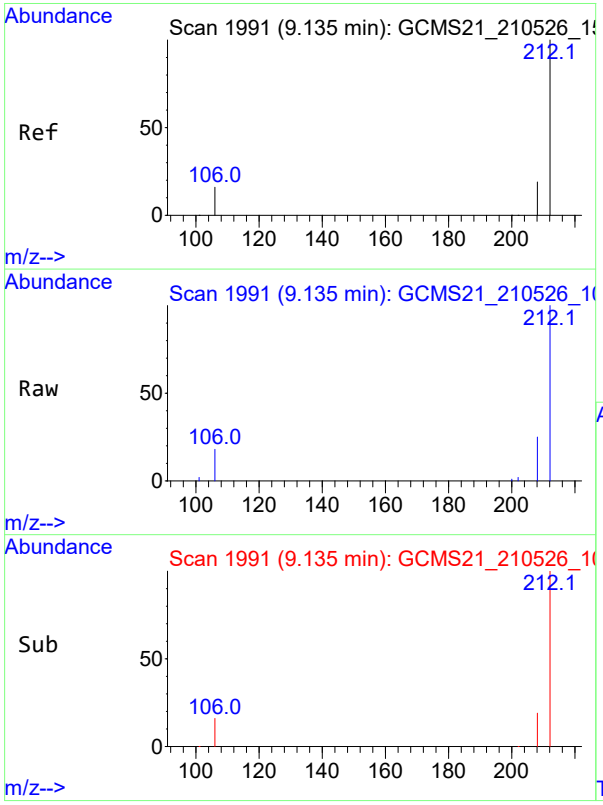


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:240 Resp: 459456

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

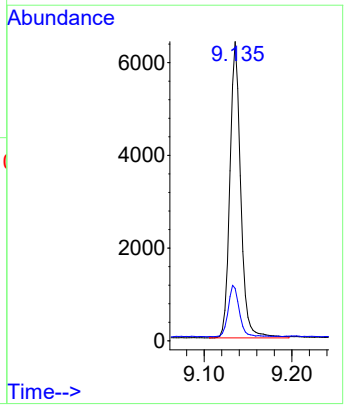


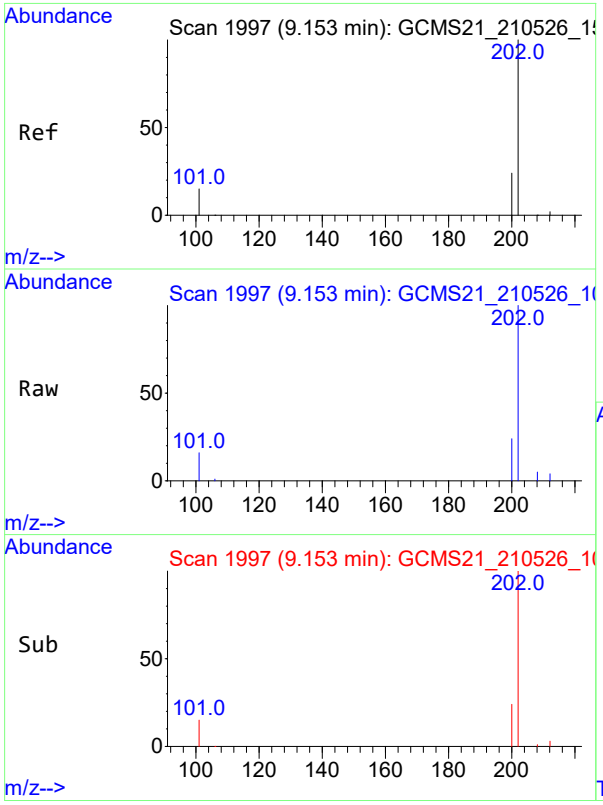


#17
Pyrene-D10
Concen: 5.21 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:212 Resp: 5463

Ion	Ratio	Lower	Upper
212	100		
106	18.0	12.2	22.6

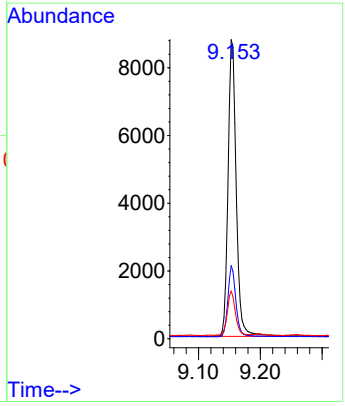


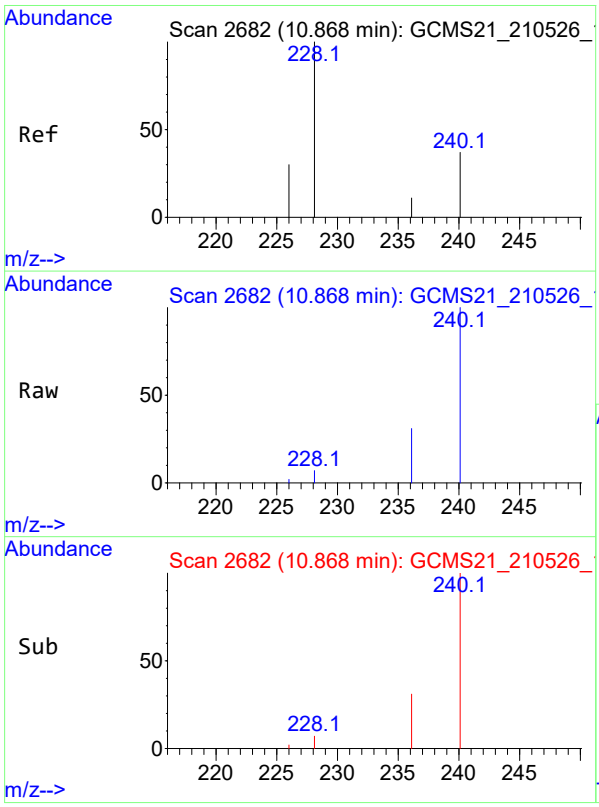


#18
Pyrene
Concen: 6.90 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:202 Resp: 8057

Ion	Ratio	Lower	Upper
202	100		
200	23.4	0.0	53.6
101	14.6	0.0	44.4

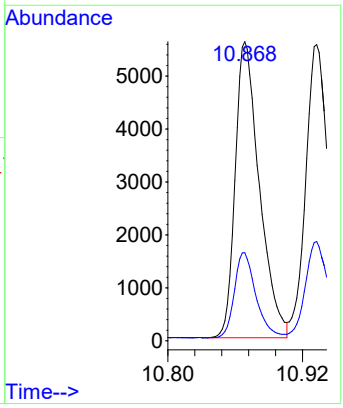


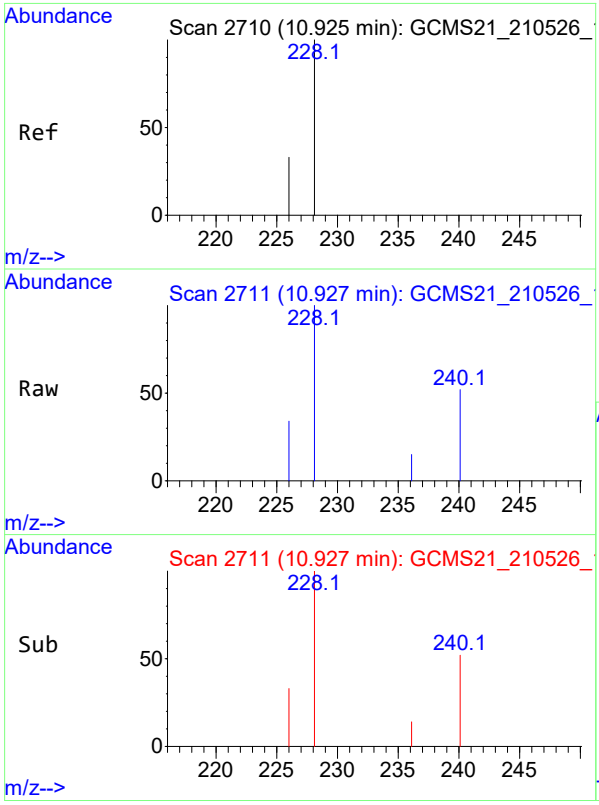


#19
Benzo(a)anthracene
Concen: 8.38 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:228 Resp: 7752

Ion	Ratio	Lower	Upper
228	100		
226	25.5	0.0	59.6

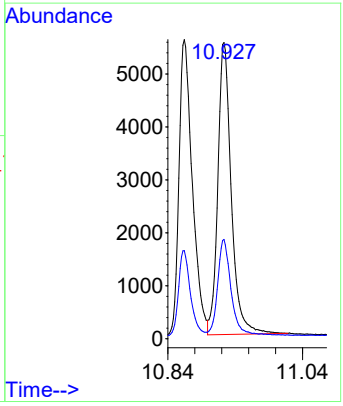


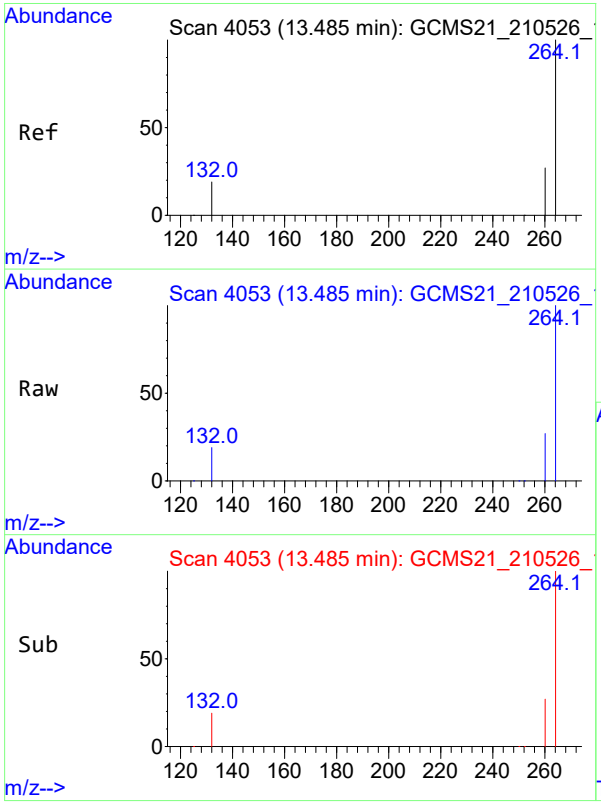


#20
Chrysene
Concen: 7.23 ng/mL
RT: 10.927 min Scan# 2711
Delta R.T. 0.002 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:228 Resp: 7673

Ion	Ratio	Lower	Upper
228	100		
226	31.5	2.5	62.5

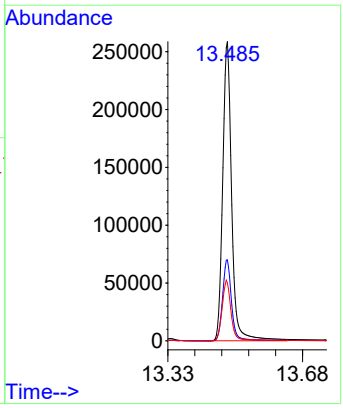


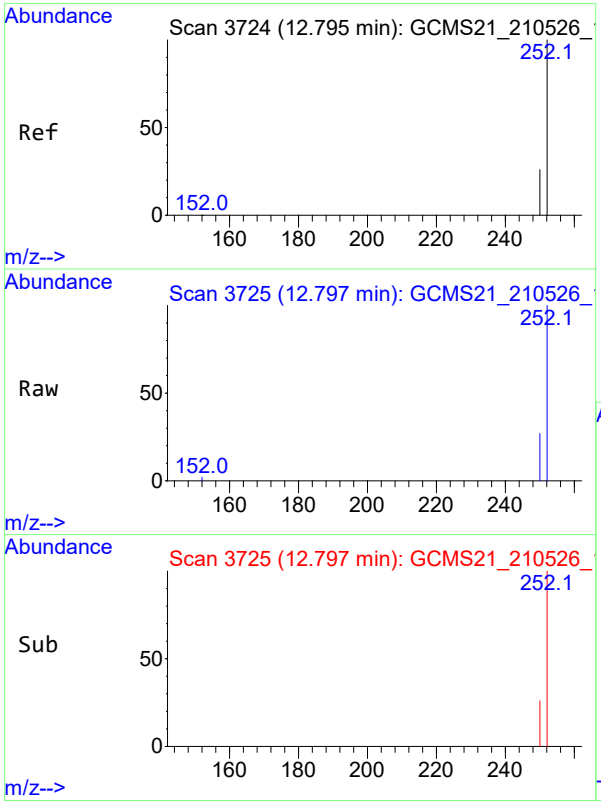


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:264 Resp: 426439

Ion	Ratio	Lower	Upper
264	100		
260	27.3	0.0	57.5
132	20.3	0.0	49.9

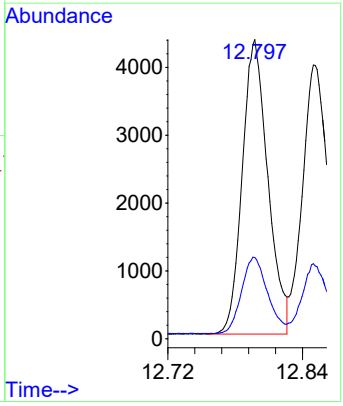


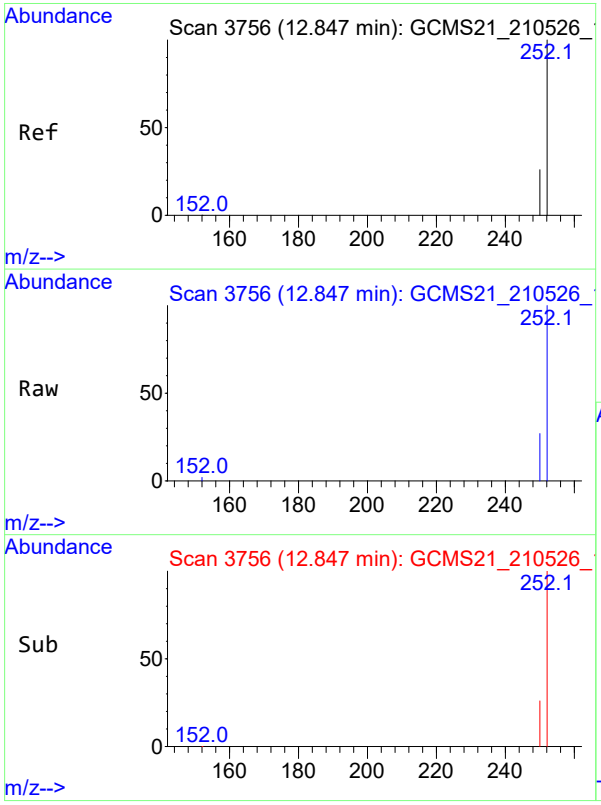


#22
Benzo(b)fluoranthene
Concen: 7.90 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 6634

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	56.2

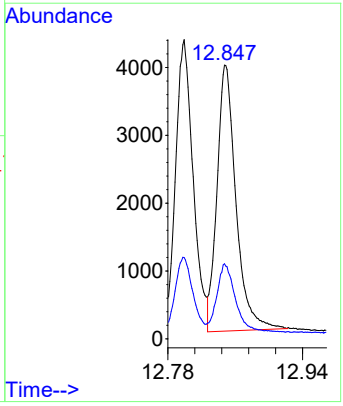


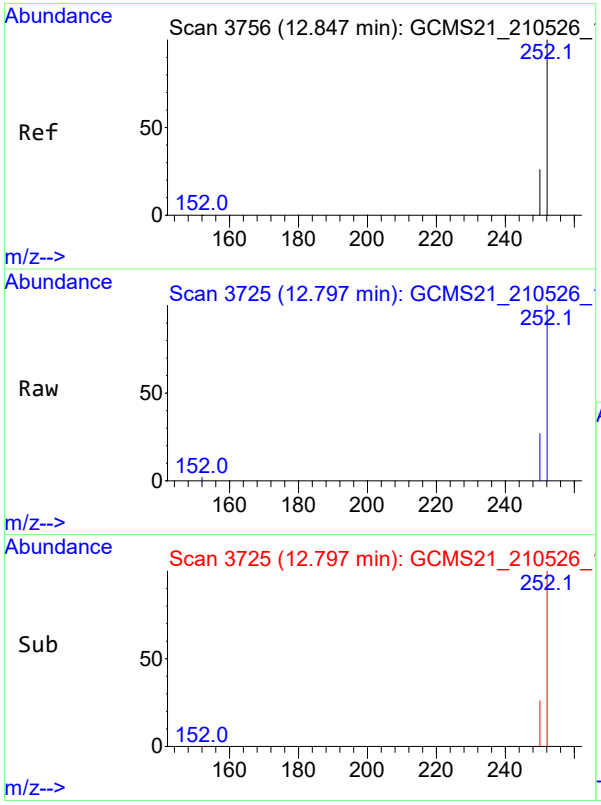


#23
Benzo(k)fluoranthene
Concen: 6.89 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 6443

Ion	Ratio	Lower	Upper
252	100		
250	24.6	0.0	55.4

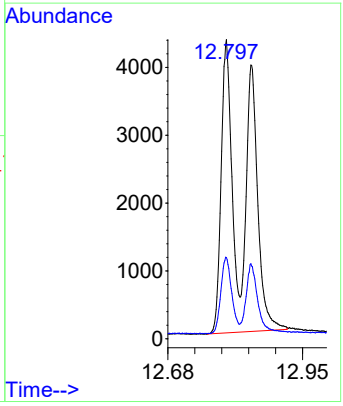


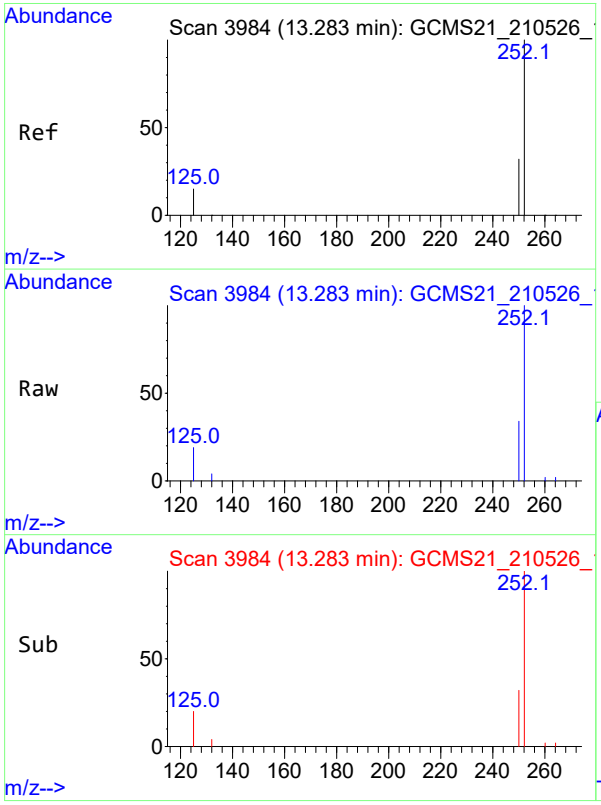


#24
benzo(b+k)fluoranthene (sum)
Concen: 14.68 ng/mL m
RT: 12.797 min Scan# 3725
Delta R.T. -0.050 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 13114

Ion	Ratio	Lower	Upper
252	100		
250	25.0	0.0	56.3

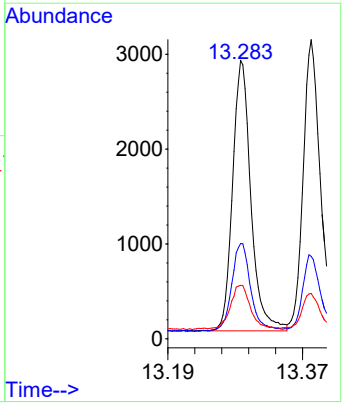


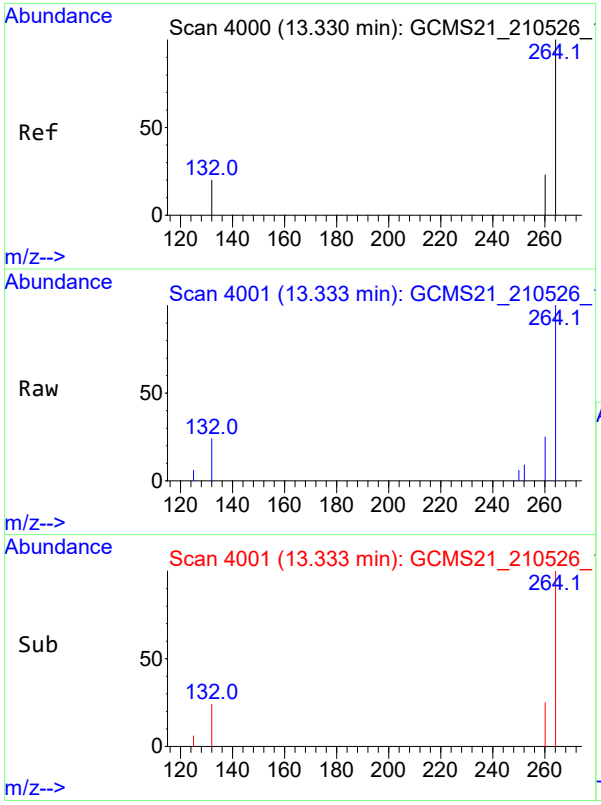


#25
Benzo(e)pyrene
Concen: 5.55 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 4802

Ion	Ratio	Lower	Upper
252	100		
250	33.0	2.4	62.4
125	17.3	0.0	46.0

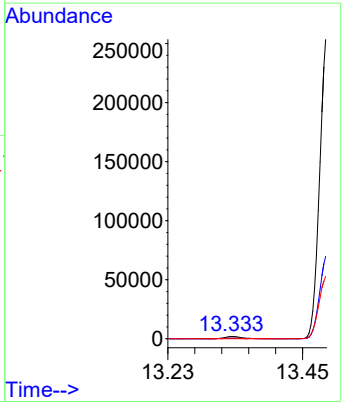


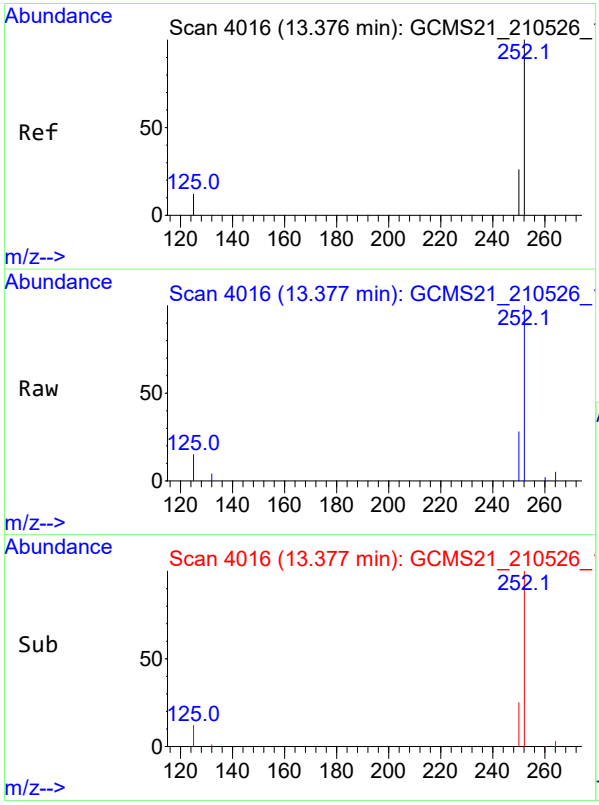


#26
Benzo(a)pyrene-D12
Concen: 4.50 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:264 Resp: 3309

Ion	Ratio	Lower	Upper
264	100		
260	21.8	0.0	52.7
132	19.8	0.0	49.5

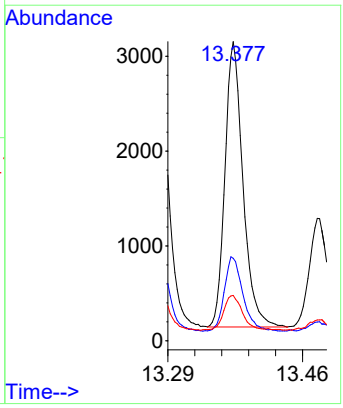


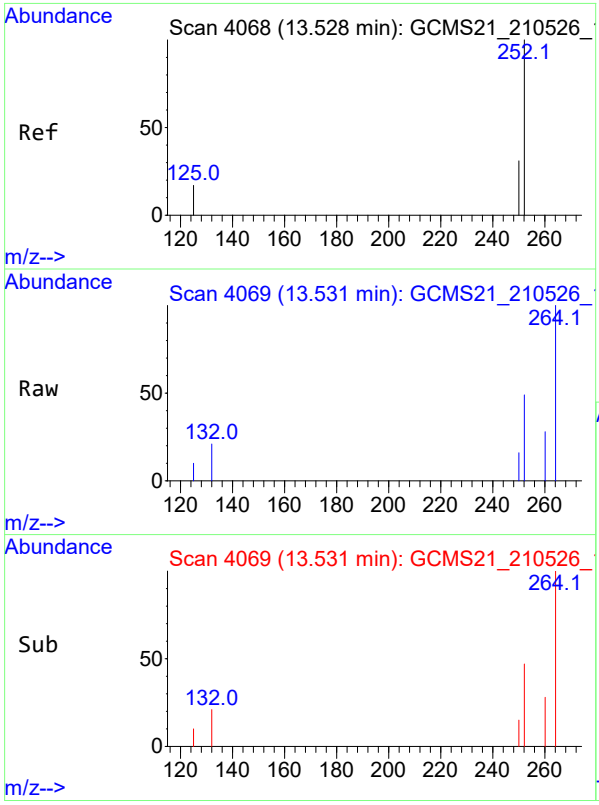


#27
Benzo(a)pyrene
Concen: 5.60 ng/mL
RT: 13.377 min Scan# 4016
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 4699

Ion	Ratio	Lower	Upper
252	100		
250	27.2	0.0	57.2
125	12.7	0.0	42.3

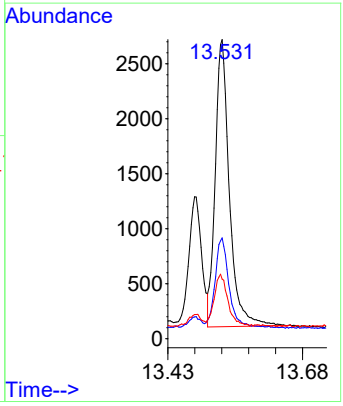


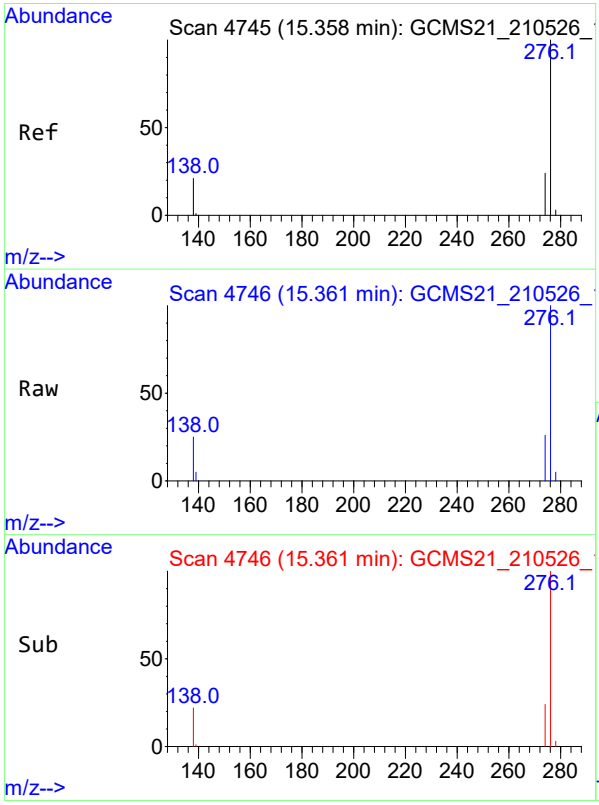


#28
Perylene
Concen: 5.08 ng/mL
RT: 13.531 min Scan# 4069
Delta R.T. 0.003 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 4622

Ion	Ratio	Lower	Upper
252	100		
250	29.9	1.1	61.1
125	17.5	0.0	46.2

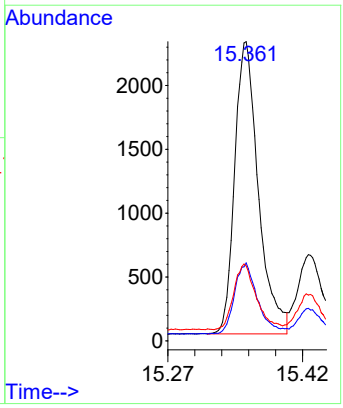


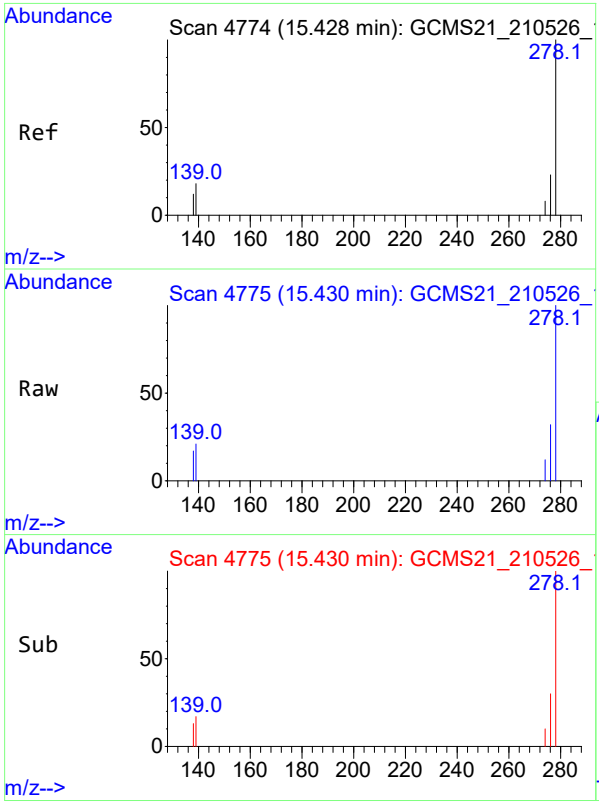


#29
Indeno(1,2,3-cd)pyrene
Concen: 5.86 ng/mL
RT: 15.361 min Scan# 4746
Delta R.T. 0.002 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:276 Resp: 4225

Ion	Ratio	Lower	Upper
276	100		
274	23.6	0.0	53.7
138	21.6	0.0	51.1

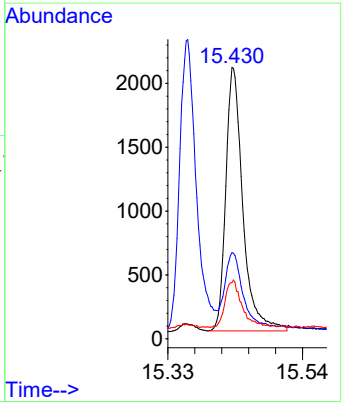


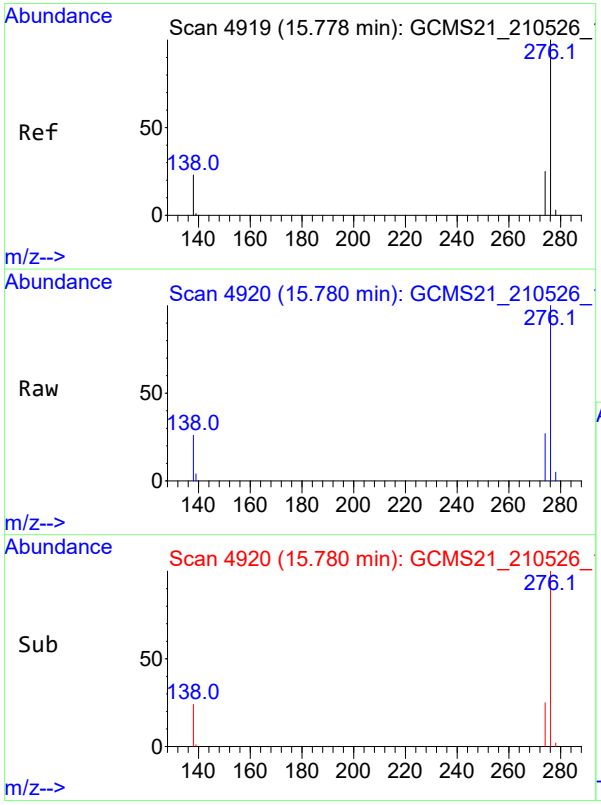


#30
Dibenz(a,h)anthracene
Concen: 5.03 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:278 Resp: 3858

Ion	Ratio	Lower	Upper
278	100		
276	29.5	2.7	62.7
139	17.5	0.0	47.4

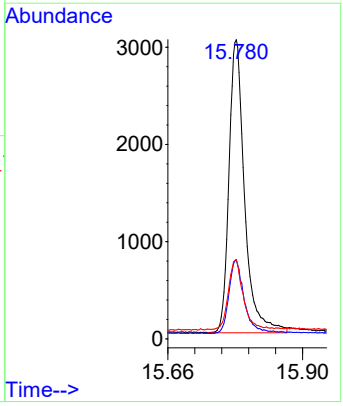




#31
Benzo(g,h,i)perylene
Concen: 6.44 ng/mL
RT: 15.780 min Scan# 4920
Delta R.T. 0.002 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:276 Resp: 5758

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.7
138	22.2	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_10.D
Acq On : 26 May 2021 14:42
Operator : MN GCMS21
Sample : CAL 2_5ng/mL
Misc : LIMS 21B0102
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 02 11:53:32 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

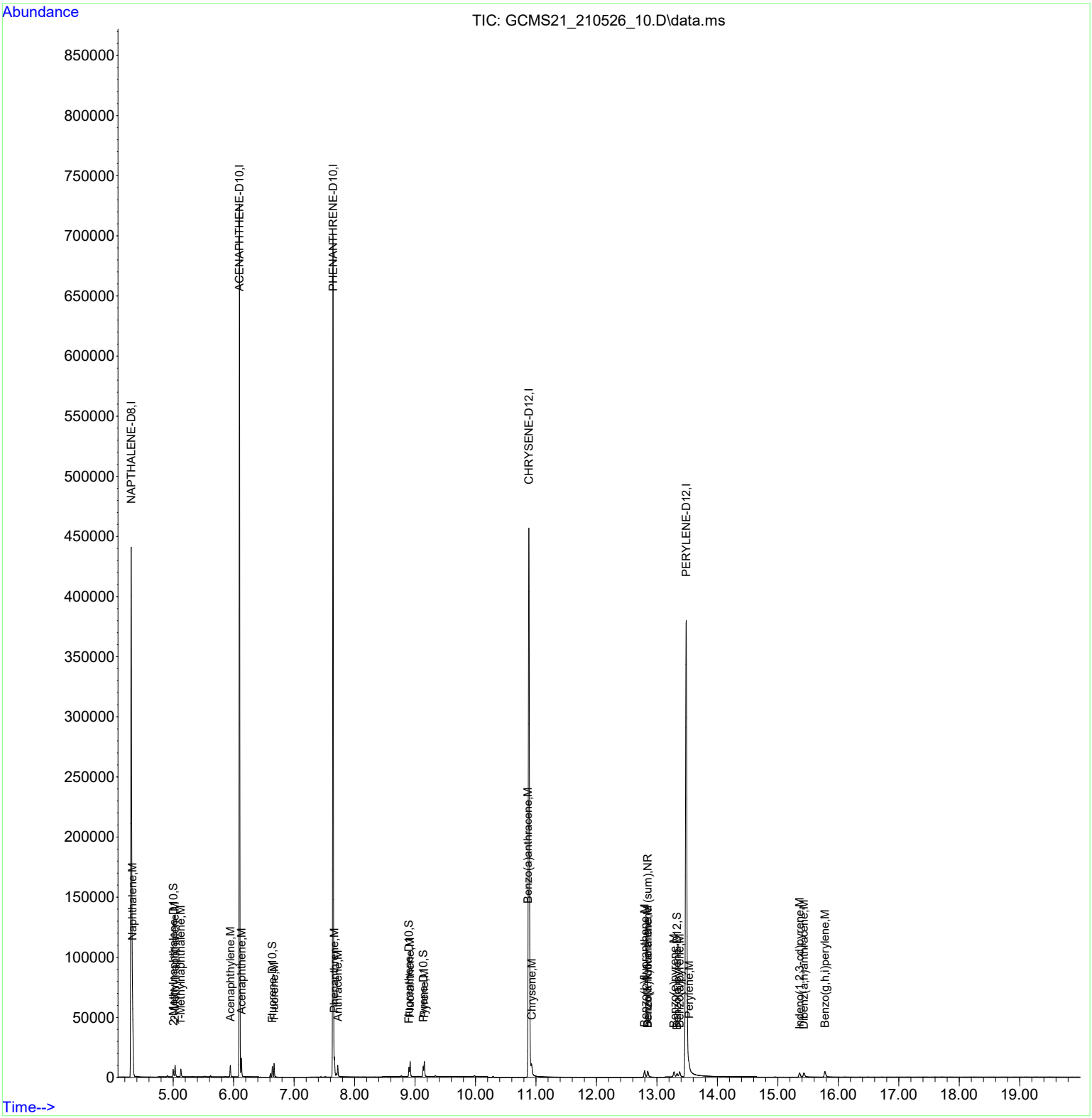
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.306	136	475423	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	260409	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	487797	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	459456	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	426439	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.001	152	2971	4.90	ng/mL	0.00
9) Fluorene-D10	6.639	176	3582	5.91	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	5200	4.77	ng/mL	0.00
17) Pyrene-D10	9.135	212	5463	5.21	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	3309	4.50	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	6334	6.94	ng/mL	99
4) 2-Methylnaphthalene	5.031	142	4303	6.65	ng/mL	100
5) 1-Methylnaphthalene	5.127	142	2740	4.71	ng/mL	99
7) Acenaphthylene	5.945	152	5341	6.37	ng/mL	99
8) Acenaphthene	6.130	153	4127	6.49	ng/mL	99
10) Fluorene	6.670	166	4474	6.19	ng/mL	100
12) Phenanthrene	7.667	178	8051	2.70	ng/mL	100
13) Anthracene	7.722	178	5767	5.61	ng/mL	100
15) Fluoranthene	8.919	202	7920	6.42	ng/mL	99
18) Pyrene	9.153	202	8057	6.90	ng/mL	100
19) Benzo(a)anthracene	10.868	228	7752	8.38	ng/mL	92
20) Chrysene	10.927	228	7673	7.23	ng/mL	98
22) Benzo(b)fluoranthene	12.797	252	6634	7.90	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	6443	6.89	ng/mL	98
24) benzo(b+k)fluoranthene...	12.847	252	6443	7.21	ng/mL	97
25) Benzo(e)pyrene	13.283	252	4802	5.55	ng/mL	98
27) Benzo(a)pyrene	13.377	252	4699	5.60	ng/mL	100
28) Perylene	13.531	252	4622	5.08	ng/mL	98
29) Indeno(1,2,3-cd)pyrene	15.361	276	4225	5.86	ng/mL	99
30) Dibenz(a,h)anthracene	15.430	278	3858	5.03	ng/mL	96
31) Benzo(g,h,i)perylene	15.780	276	5758	6.44	ng/mL	99

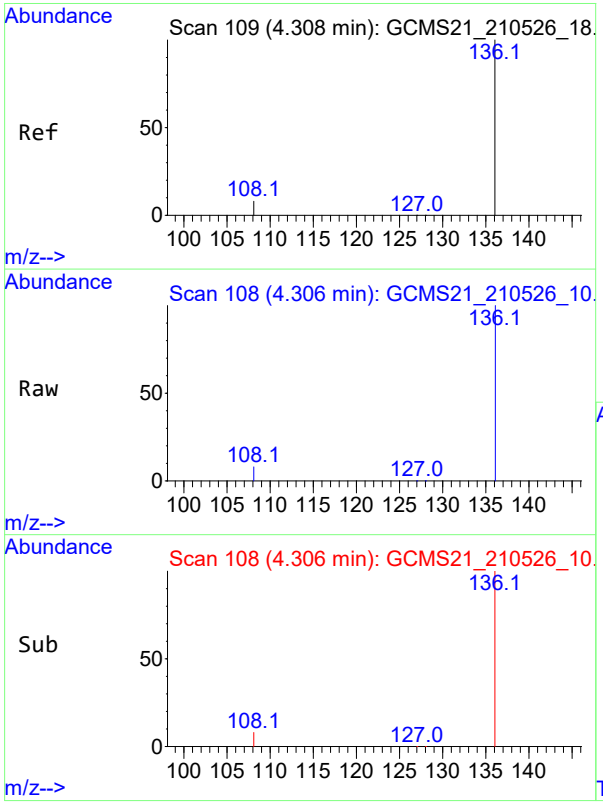
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_10.D
Acq On : 26 May 2021 14:42
Operator : MN GCMS21
Sample : CAL 2_5ng/mL
Misc : LIMS 21B0102
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 02 11:53:32 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

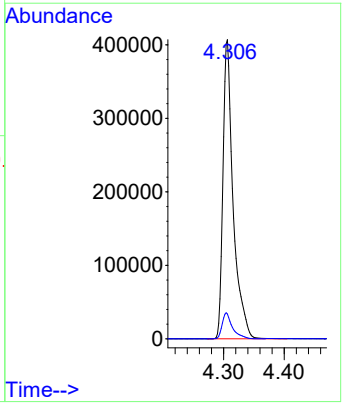


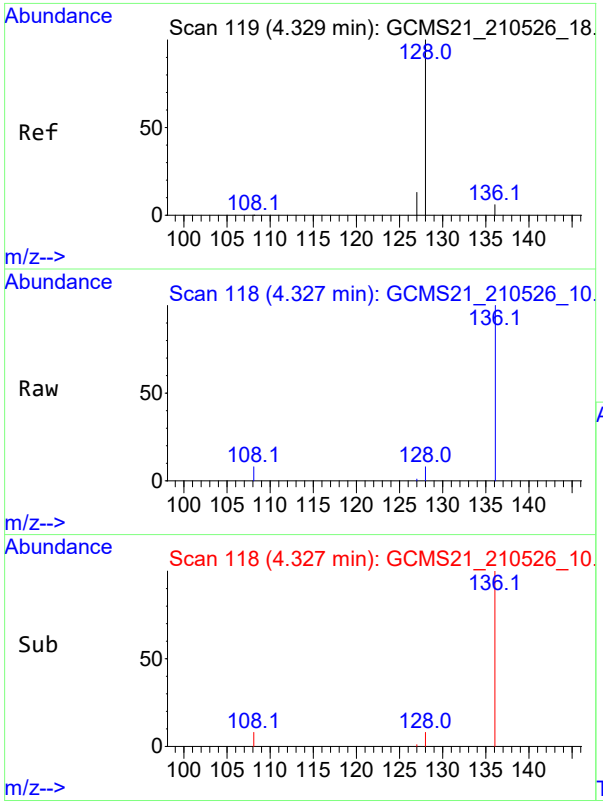


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:136 Resp: 475423

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	29.0

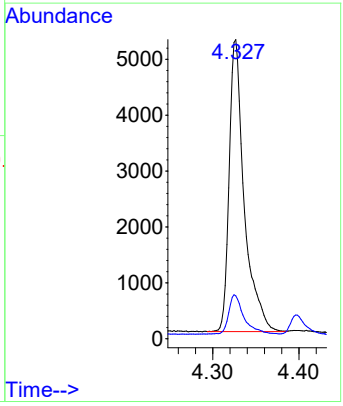


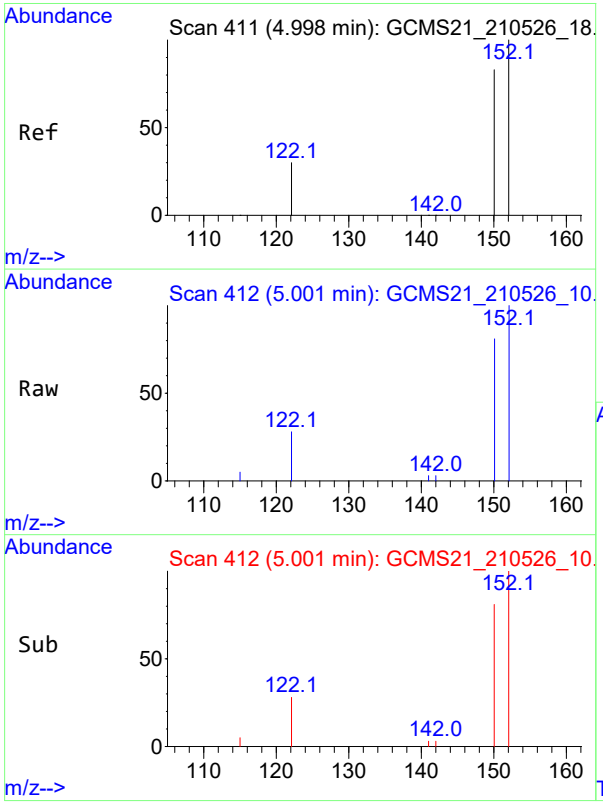


#2
Naphthalene
Concen: 6.94 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:128 Resp: 6334

Ion	Ratio	Lower	Upper
128	100		
127	13.9	0.0	43.4

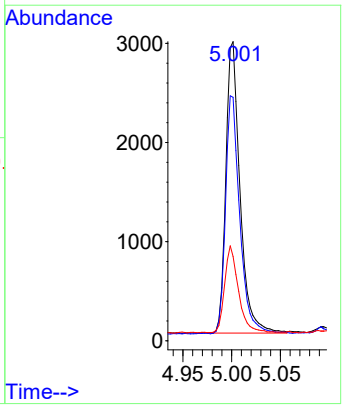


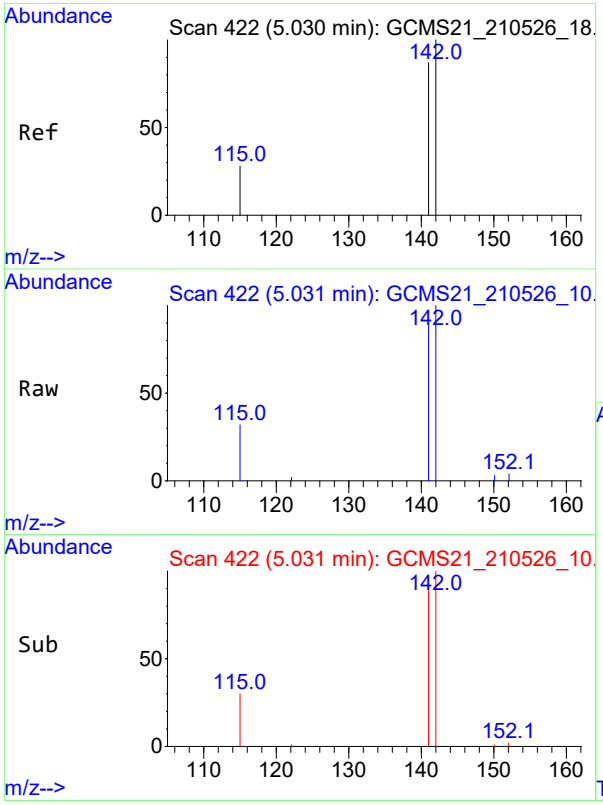


#3
2-Methylnaphthalene-D10
Concen: 4.90 ng/mL
RT: 5.001 min Scan# 412
Delta R.T. 0.003 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:152 Resp: 2971

Ion	Ratio	Lower	Upper
152	100		
150	82.5	57.5	106.7
122	29.0	20.1	37.3

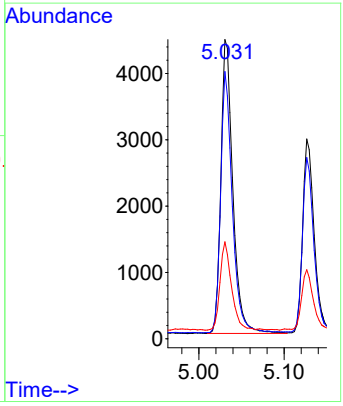


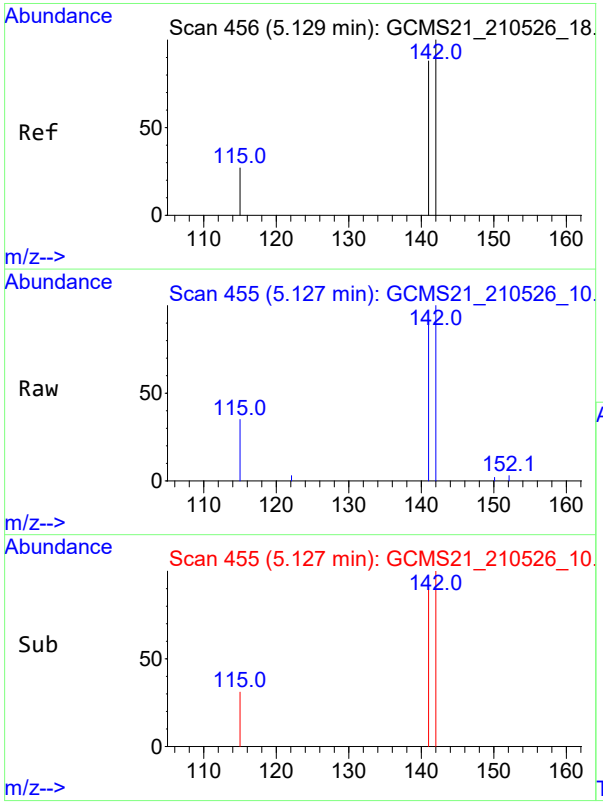


#4
2-Methylnaphthalene
Concen: 6.65 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:142 Resp: 4303

Ion	Ratio	Lower	Upper
142	100		
141	86.8	56.5	116.5
115	29.0	0.0	59.3

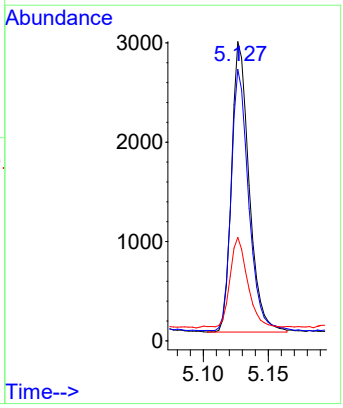


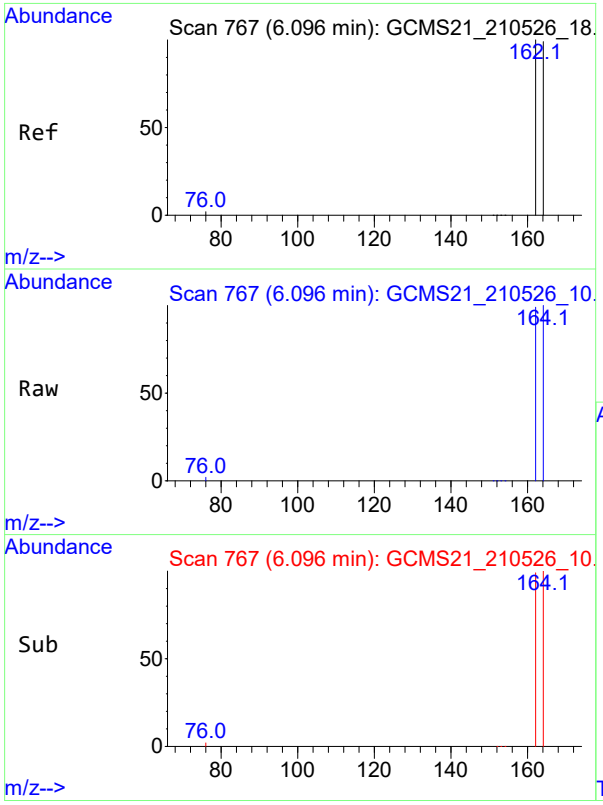


#5
1-Methylnaphthalene
Concen: 4.71 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:142 Resp: 2740

Ion	Ratio	Lower	Upper
142	100		
141	89.3	59.6	119.6
115	30.3	1.2	61.2

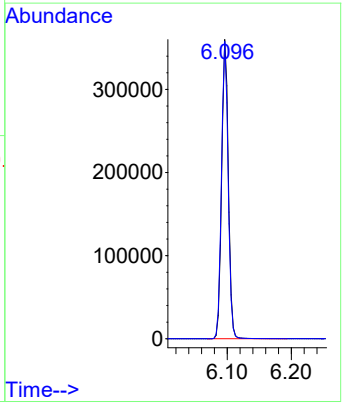


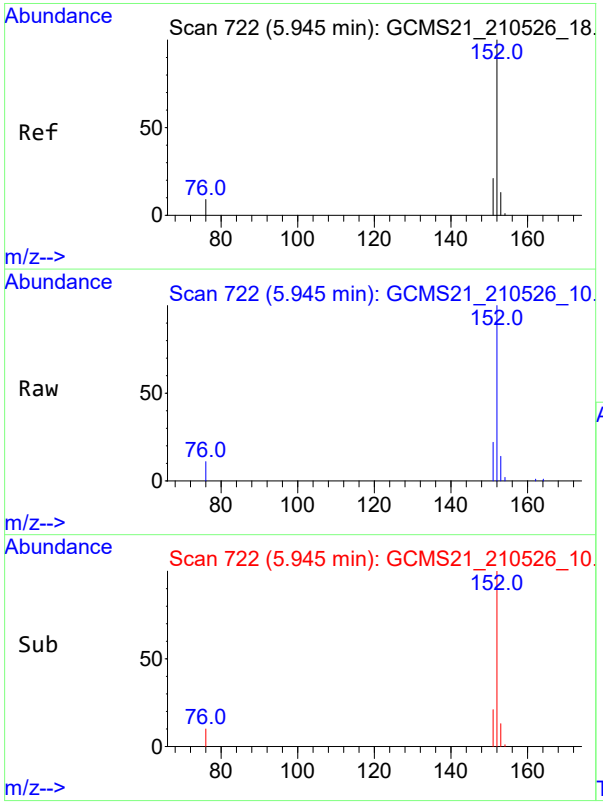


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:164 Resp: 260409

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.5	119.5

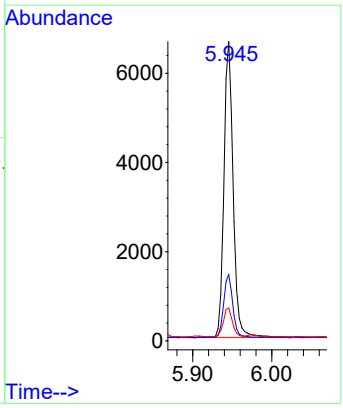


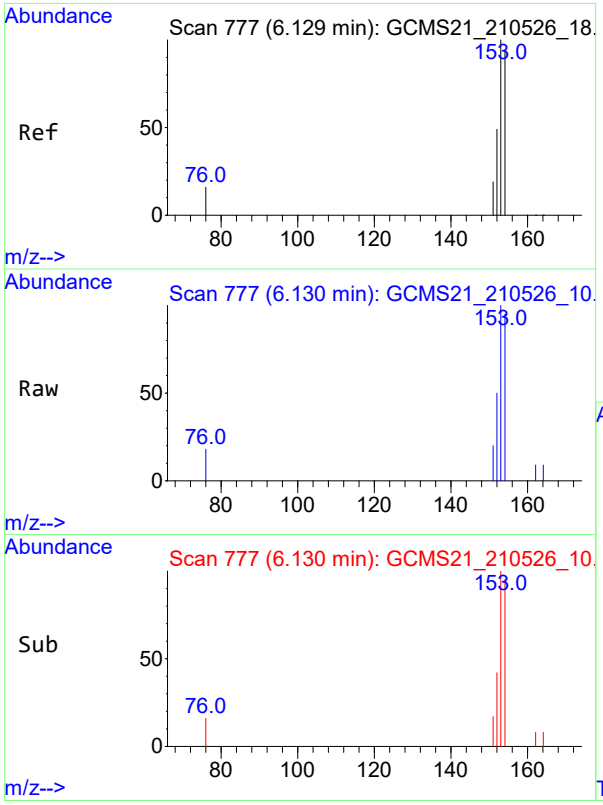


#7
Acenaphthylene
Concen: 6.37 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:152 Resp: 5341

Ion	Ratio	Lower	Upper
152	100		
151	21.1	0.0	51.5
76	9.5	0.0	39.5

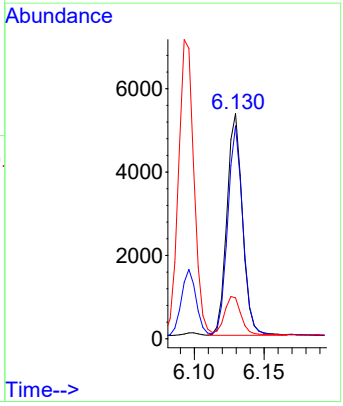


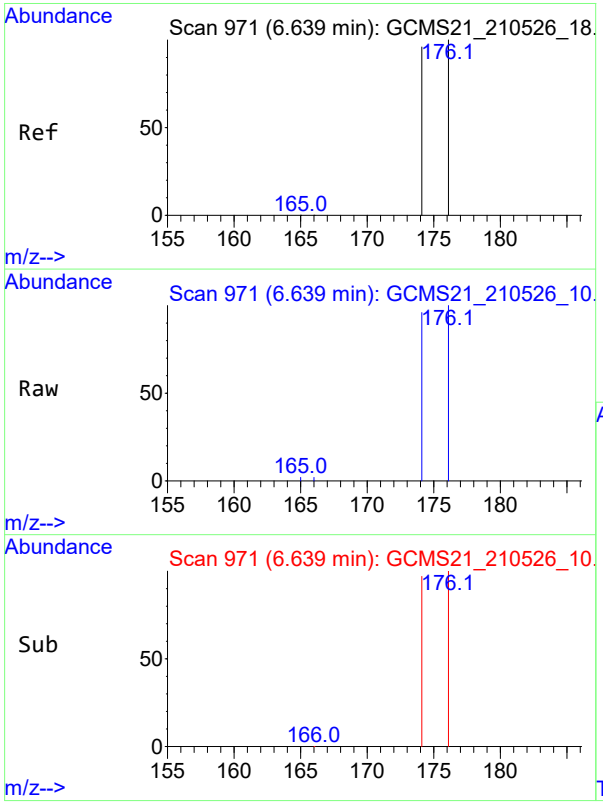


#8
Acenaphthene
Concen: 6.49 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:153 Resp: 4127

Ion	Ratio	Lower	Upper
153	100		
154	92.9	61.9	121.9
76	18.4	0.0	47.6

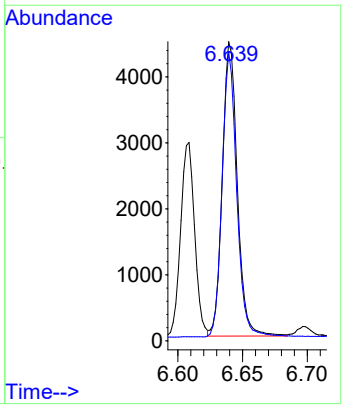


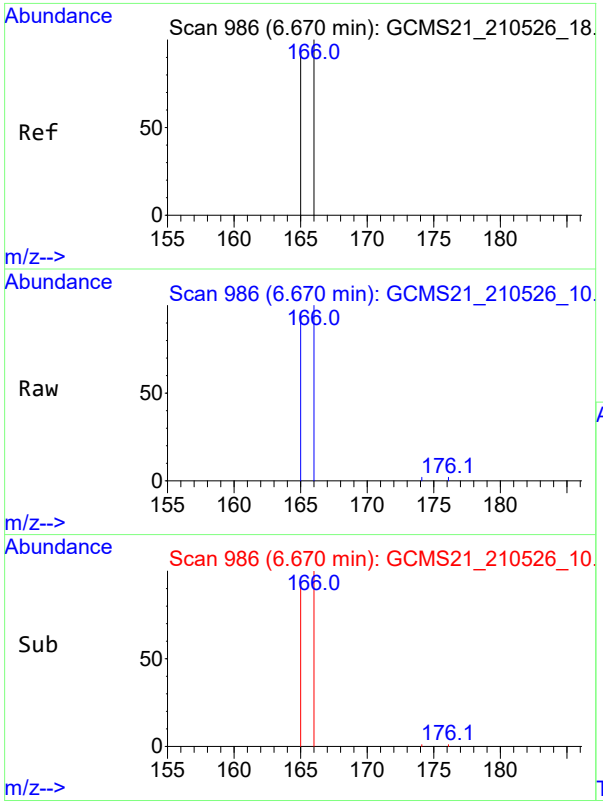


#9
Fluorene-D10
Concen: 5.91 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:176 Resp: 3582

Ion	Ratio	Lower	Upper
176	100		
174	94.4	66.0	122.6

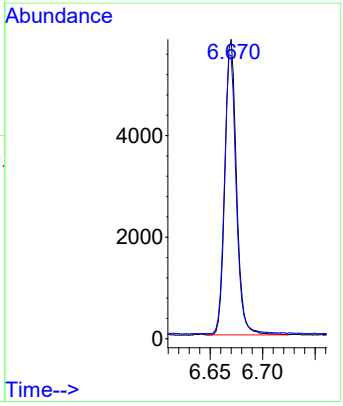


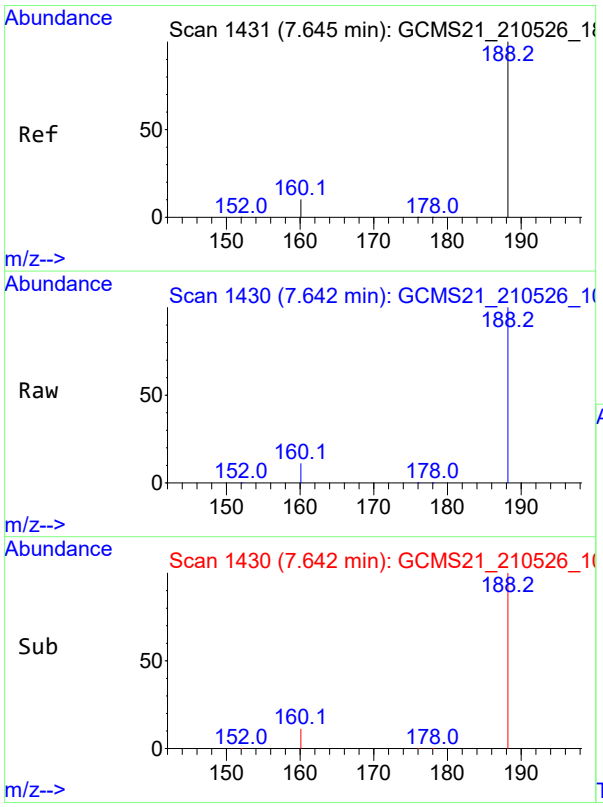


#10
Fluorene
Concen: 6.19 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:166 Resp: 4474

Ion	Ratio	Lower	Upper
166	100		
165	95.9	65.4	125.4

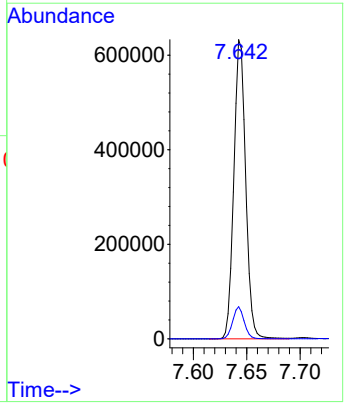


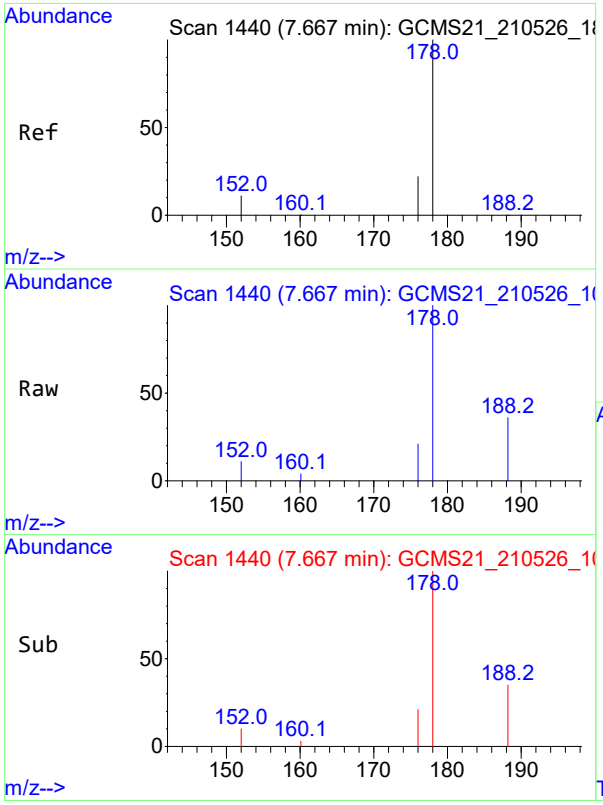


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:188 Resp: 487797

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

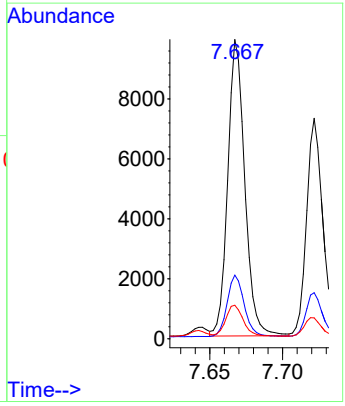


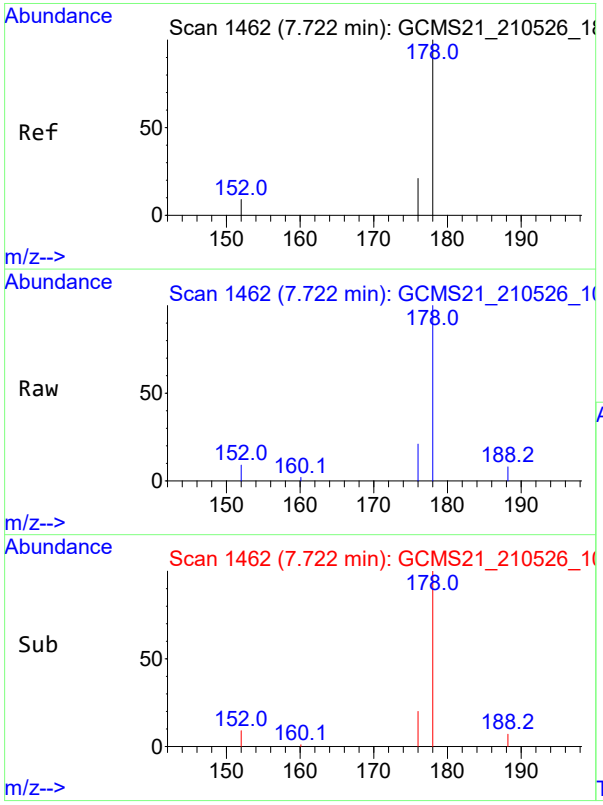


#12
Phenanthrene
Concen: 2.70 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:178 Resp: 8051

Ion	Ratio	Lower	Upper
178	100		
176	20.7	0.0	50.9
152	10.8	0.0	40.7

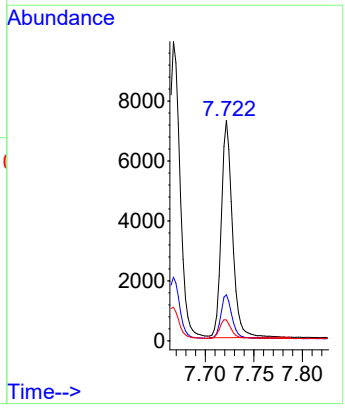


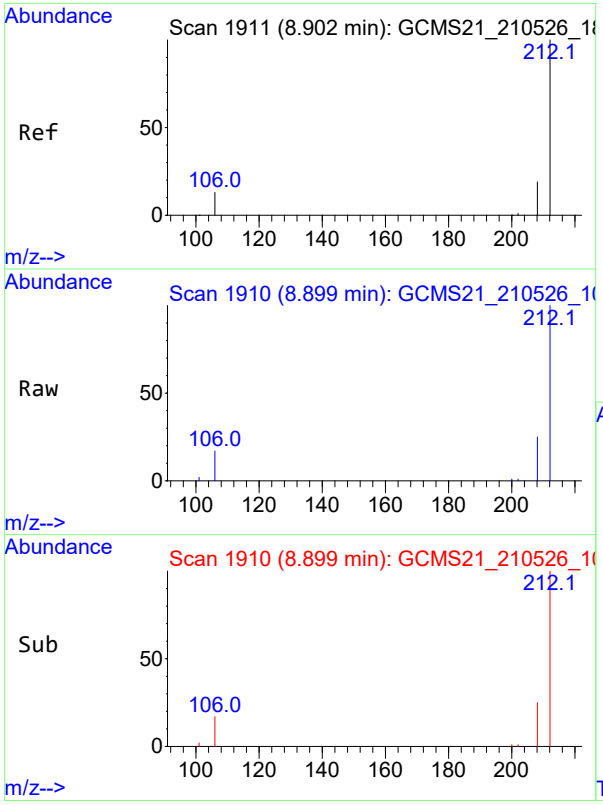


#13
Anthracene
Concen: 5.61 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:178 Resp: 5767

Ion	Ratio	Lower	Upper
178	100		
176	20.0	0.0	50.2
152	8.8	0.0	38.7

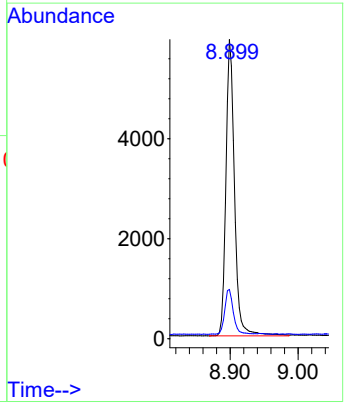


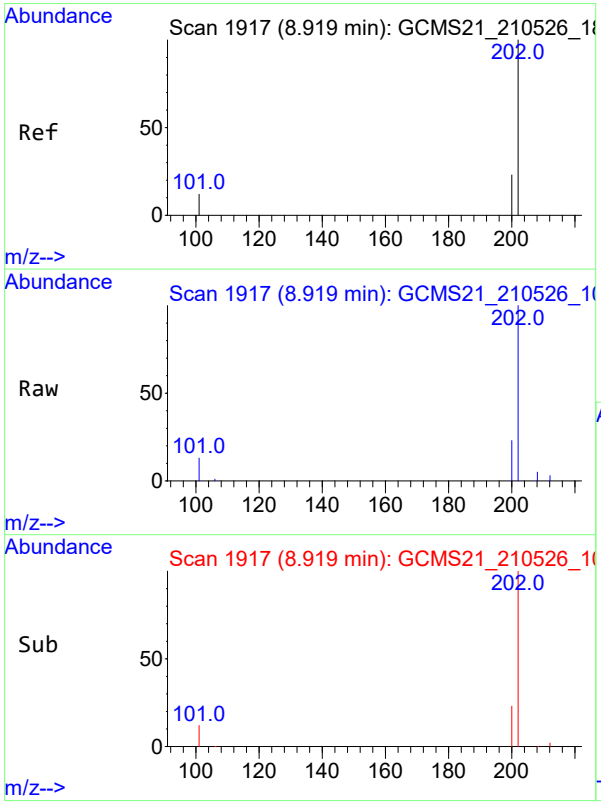


#14
Fluoranthene-D10
Concen: 4.77 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:212 Resp: 5200

Ion	Ratio	Lower	Upper
212	100		
106	15.2	10.6	19.6

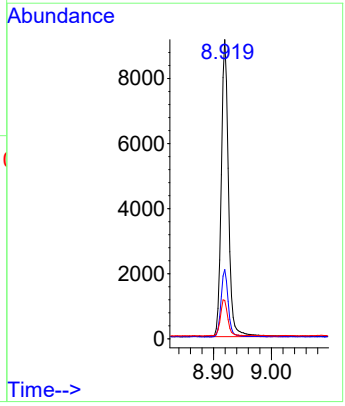


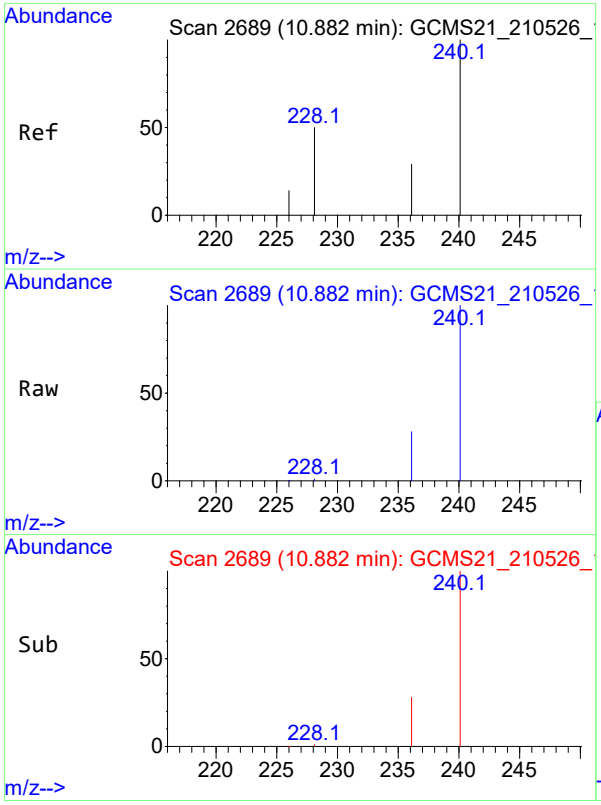


#15
Fluoranthene
Concen: 6.42 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:202 Resp: 7920

Ion	Ratio	Lower	Upper
202	100		
200	22.7	0.0	53.2
101	12.5	0.0	42.4

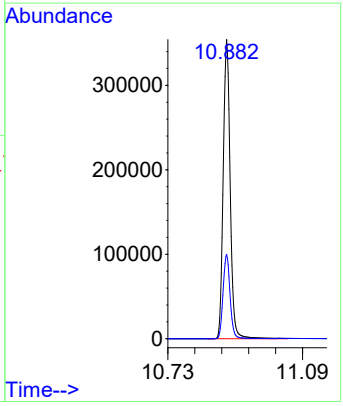


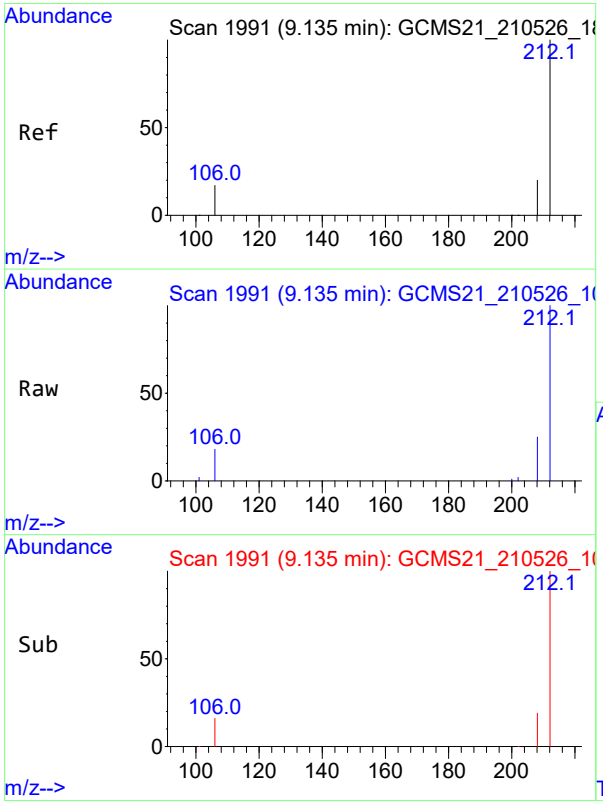


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:240 Resp: 459456

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

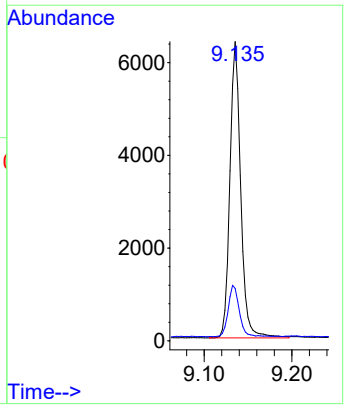


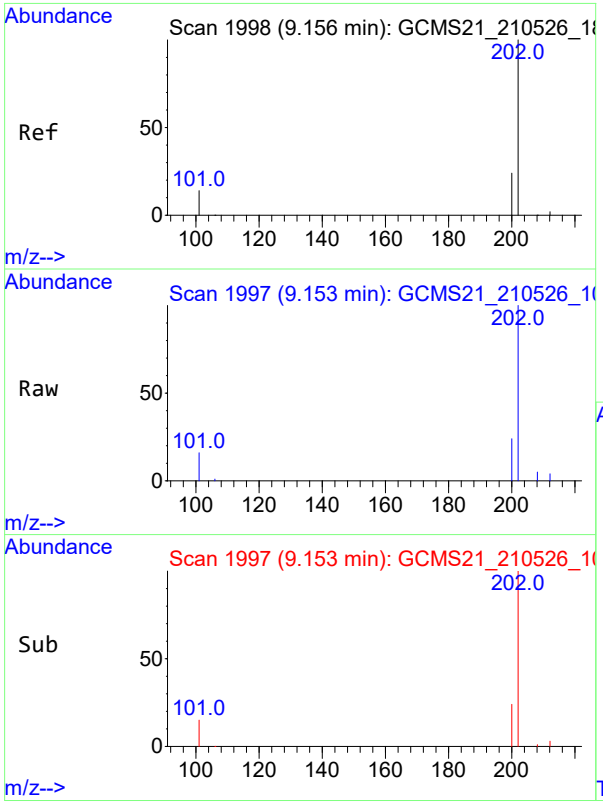


#17
Pyrene-D10
Concen: 5.21 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:212 Resp: 5463

Ion	Ratio	Lower	Upper
212	100		
106	18.0	12.2	22.6

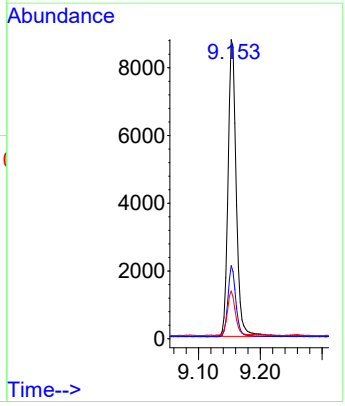


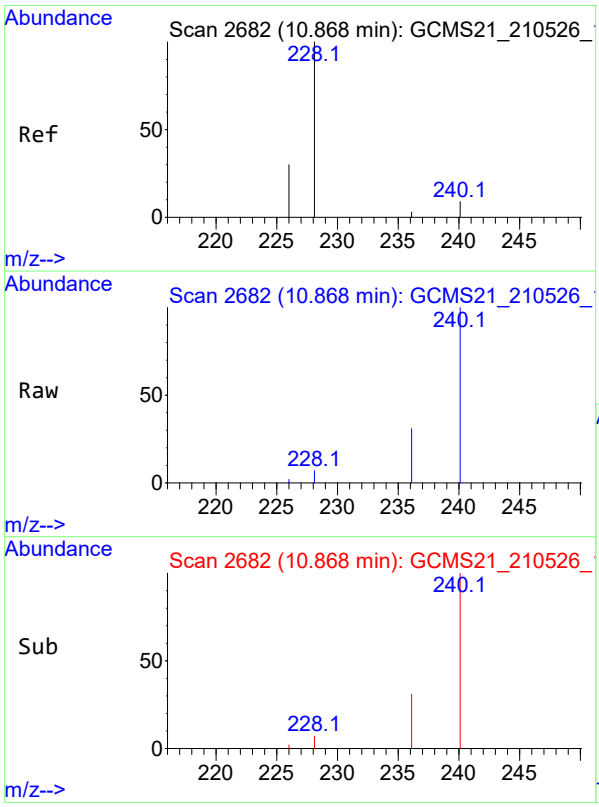


#18
Pyrene
Concen: 6.90 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:202 Resp: 8057

Ion	Ratio	Lower	Upper
202	100		
200	23.4	0.0	53.6
101	14.6	0.0	44.4

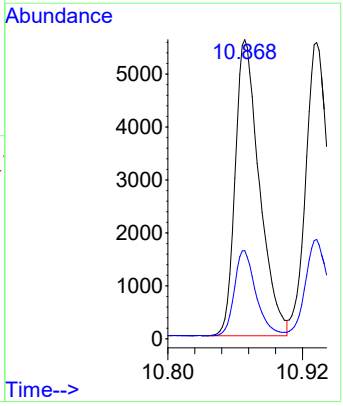


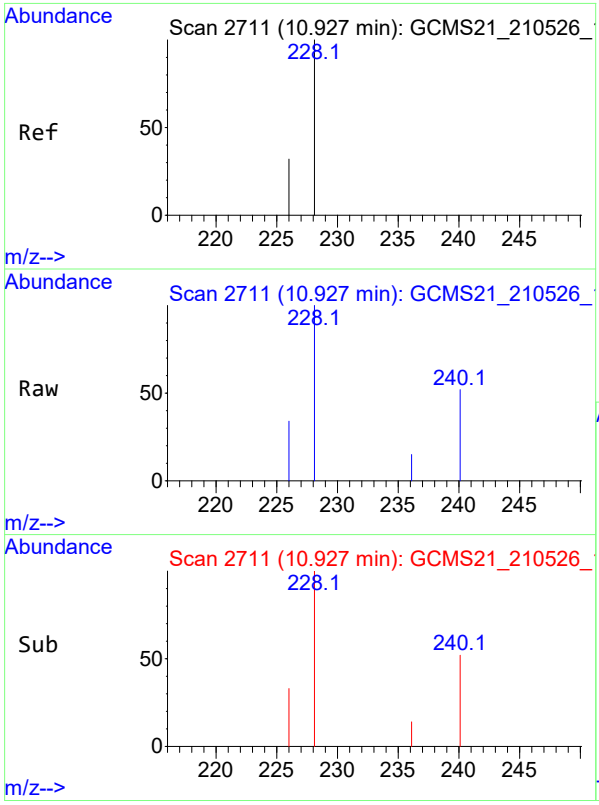


#19
Benzo(a)anthracene
Concen: 8.38 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:228 Resp: 7752

Ion	Ratio	Lower	Upper
228	100		
226	25.5	0.0	59.6

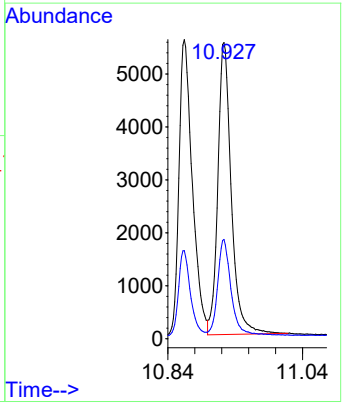


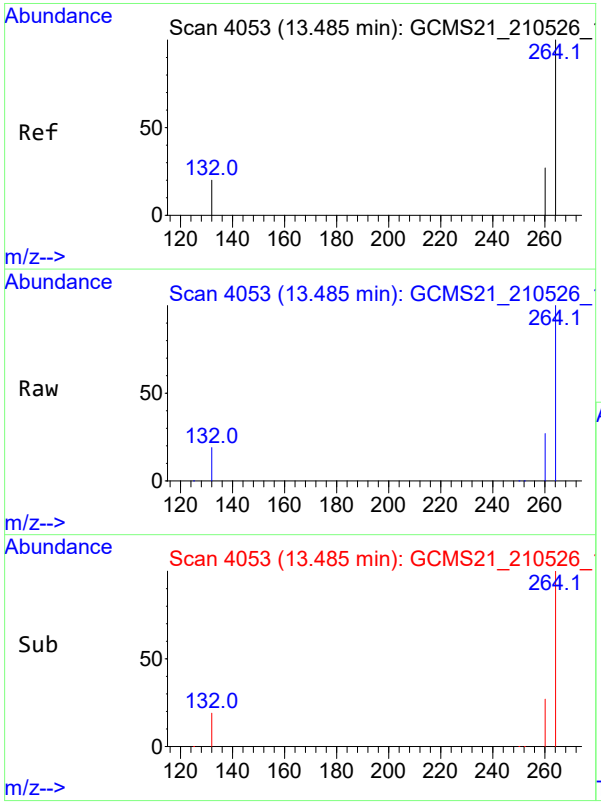


#20
Chrysene
Concen: 7.23 ng/mL
RT: 10.927 min Scan# 2711
Delta R.T. 0.002 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:228 Resp: 7673

Ion	Ratio	Lower	Upper
228	100		
226	31.5	2.5	62.5

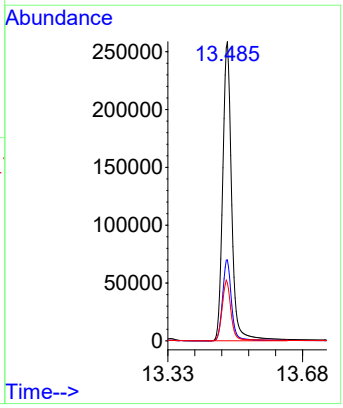


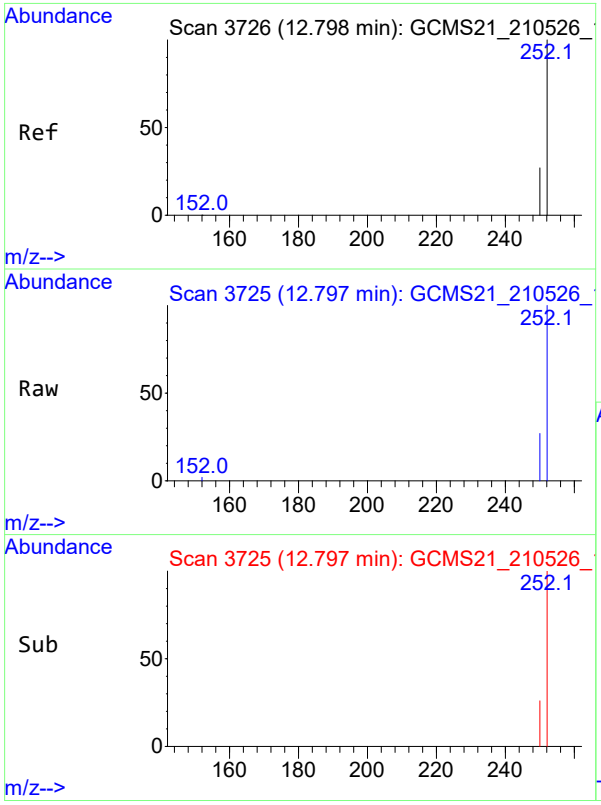


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:264 Resp: 426439

Ion	Ratio	Lower	Upper
264	100		
260	27.3	0.0	57.5
132	20.3	0.0	49.9

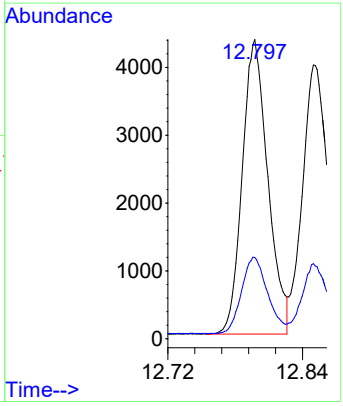


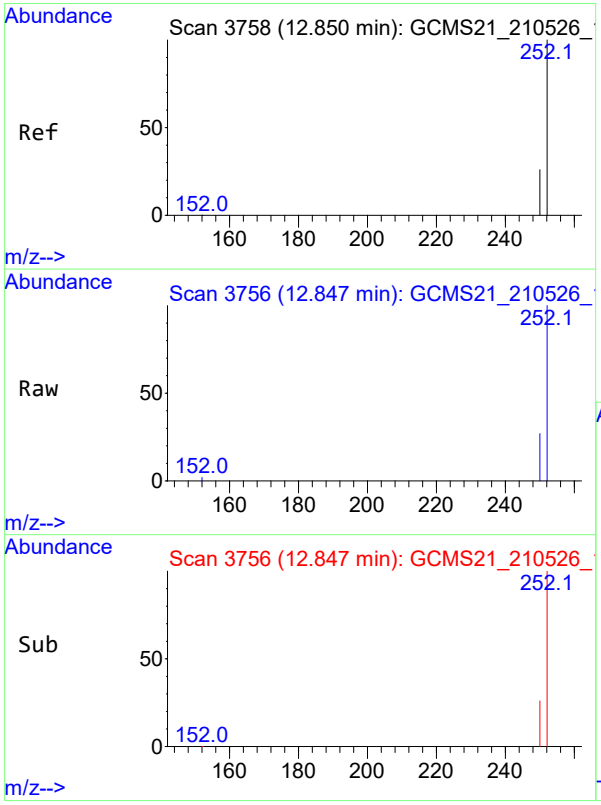


#22
Benzo(b)fluoranthene
Concen: 7.90 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 6634

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	56.2

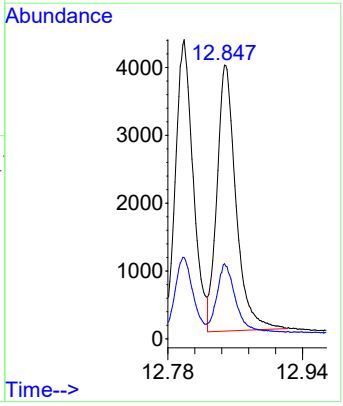


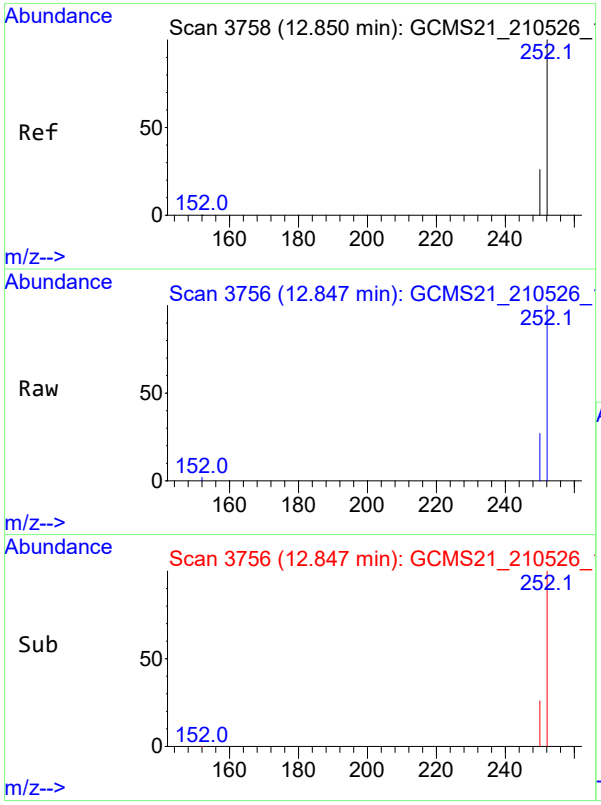


#23
Benzo(k)fluoranthene
Concen: 6.89 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 6443

Ion	Ratio	Lower	Upper
252	100		
250	24.6	0.0	55.4

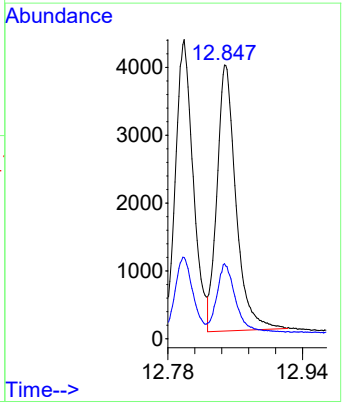


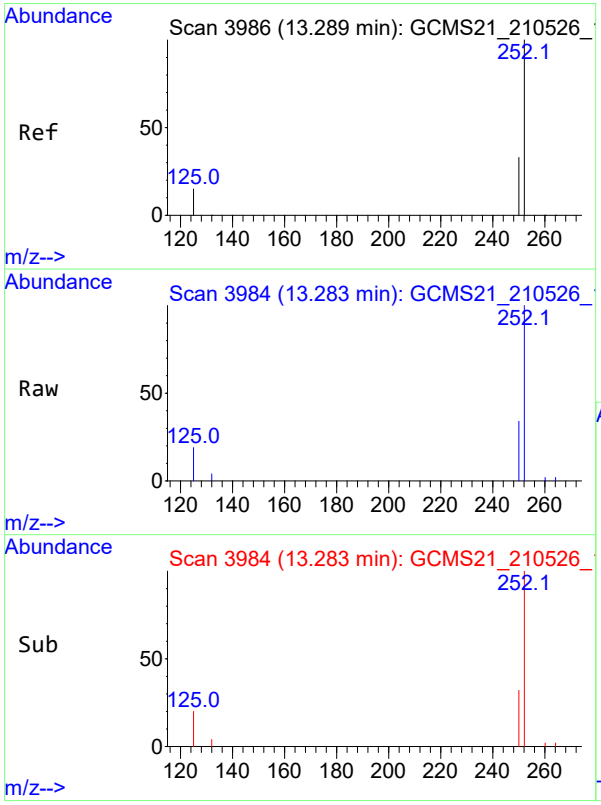


#24
benzo(b+k)fluoranthene (sum)
Concen: 7.21 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 6443

Ion	Ratio	Lower	Upper
252	100		
250	24.6	0.0	56.3

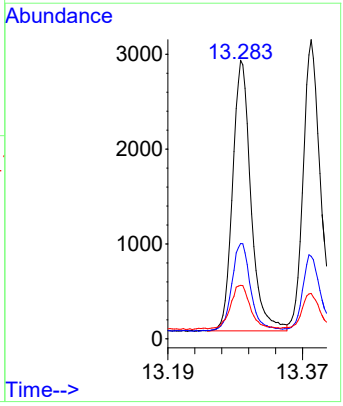


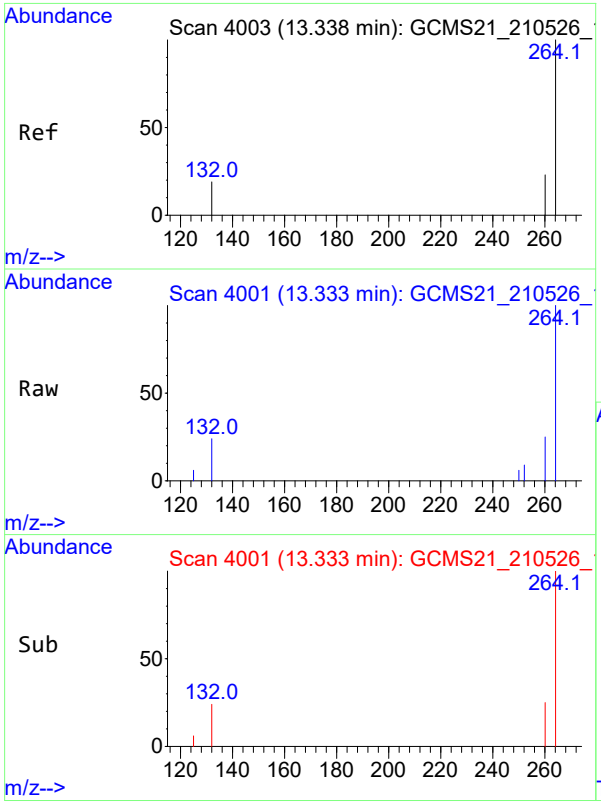


#25
Benzo(e)pyrene
Concen: 5.55 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 4802

Ion	Ratio	Lower	Upper
252	100		
250	33.0	2.4	62.4
125	17.3	0.0	46.0

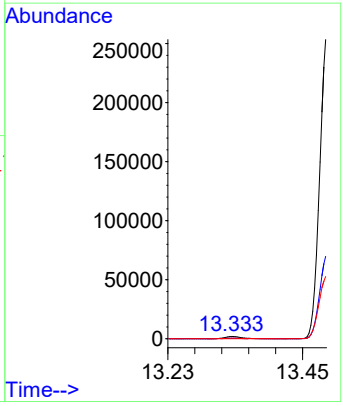


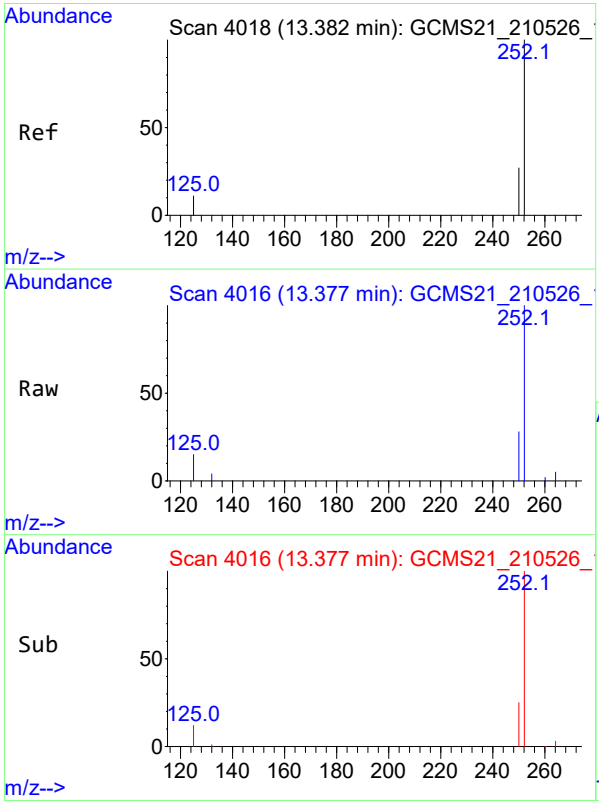


#26
Benzo(a)pyrene-D12
Concen: 4.50 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:264 Resp: 3309

Ion	Ratio	Lower	Upper
264	100		
260	21.8	0.0	52.7
132	19.8	0.0	49.5

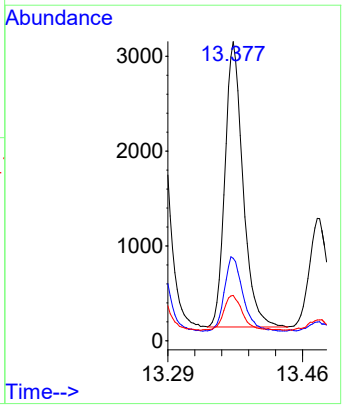


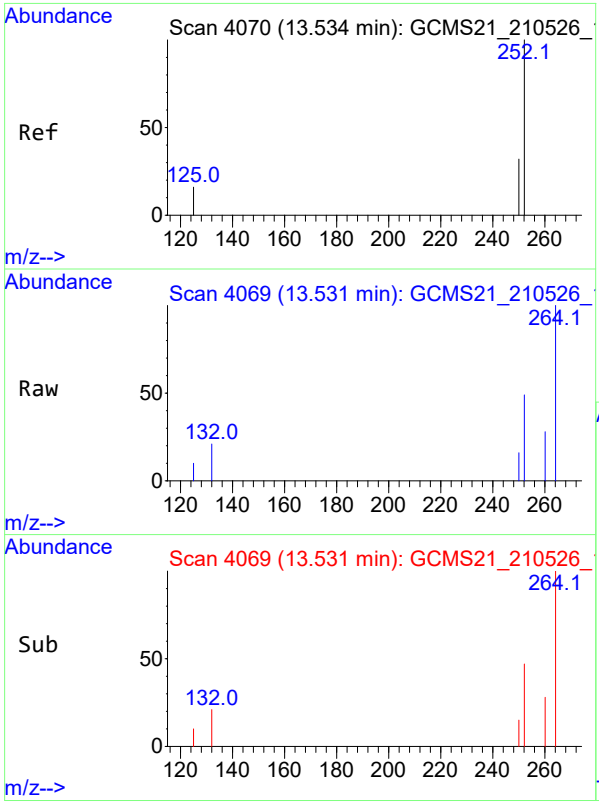


#27
Benzo(a)pyrene
Concen: 5.60 ng/mL
RT: 13.377 min Scan# 4016
Delta R.T. 0.000 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 4699

Ion	Ratio	Lower	Upper
252	100		
250	27.2	0.0	57.2
125	12.7	0.0	42.3

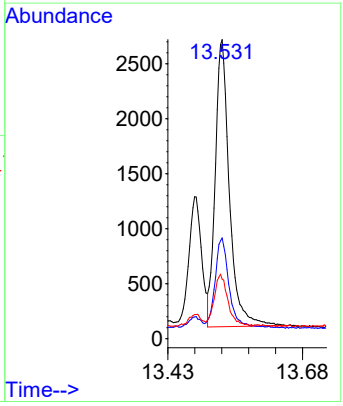


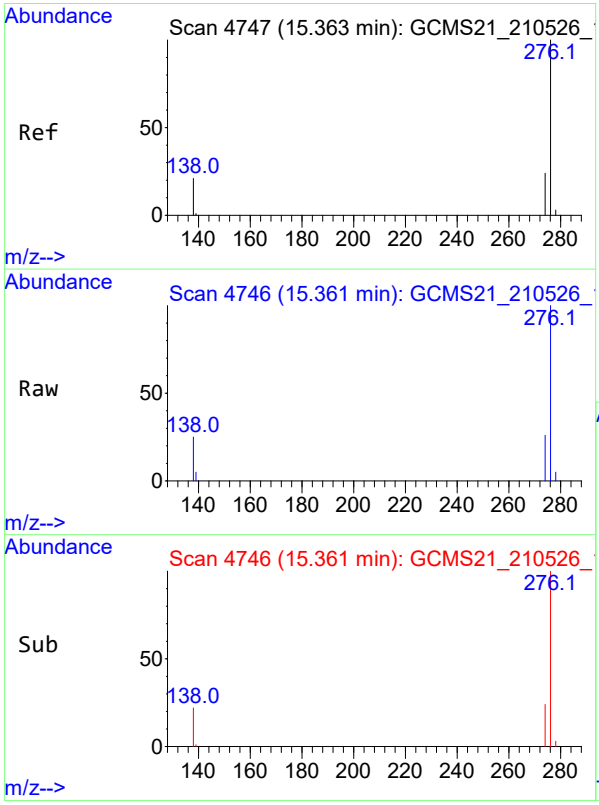


#28
Perylene
Concen: 5.08 ng/mL
RT: 13.531 min Scan# 4069
Delta R.T. 0.003 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:252 Resp: 4622

Ion	Ratio	Lower	Upper
252	100		
250	29.9	1.1	61.1
125	17.5	0.0	46.2

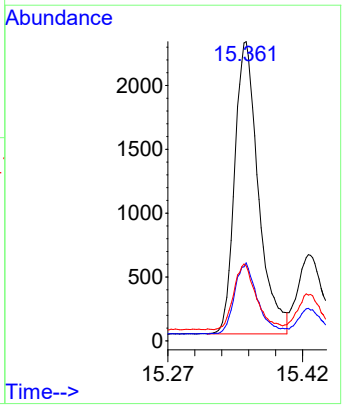


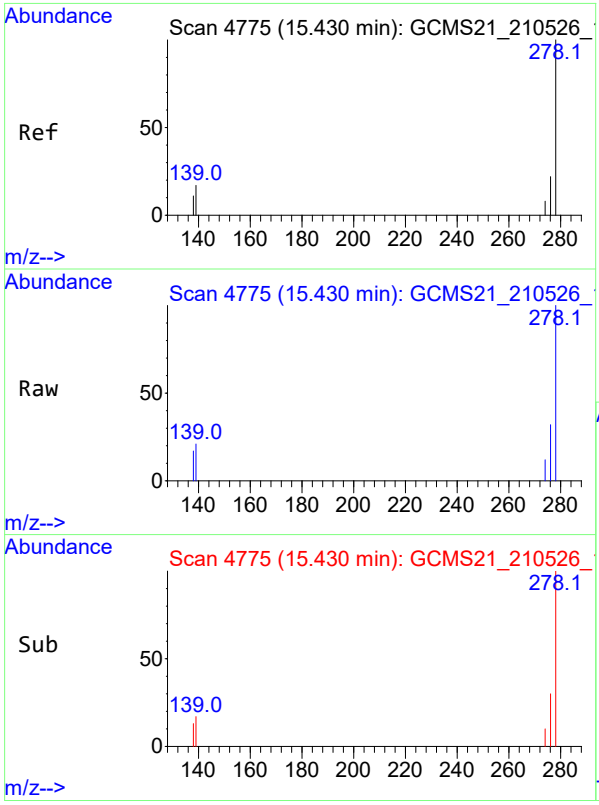


#29
Indeno(1,2,3-cd)pyrene
Concen: 5.86 ng/mL
RT: 15.361 min Scan# 4746
Delta R.T. 0.002 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:276 Resp: 4225

Ion	Ratio	Lower	Upper
276	100		
274	23.6	0.0	53.7
138	21.6	0.0	51.1

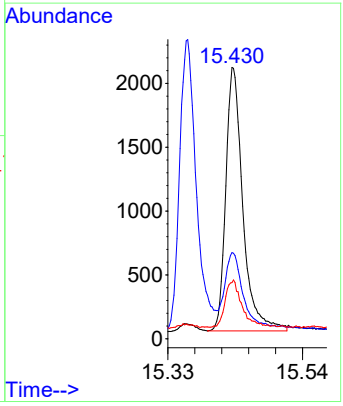


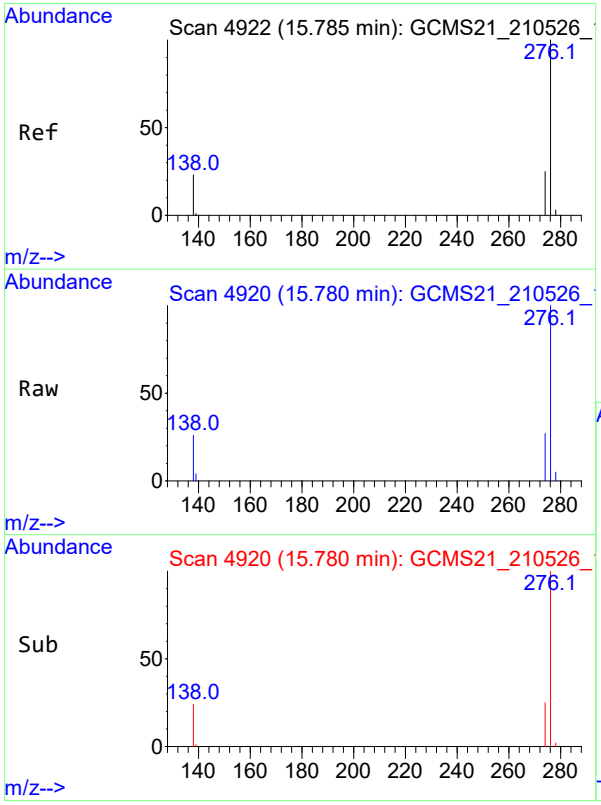


#30
Dibenz(a,h)anthracene
Concen: 5.03 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:278 Resp: 3858

Ion	Ratio	Lower	Upper
278	100		
276	29.5	2.7	62.7
139	17.5	0.0	47.4

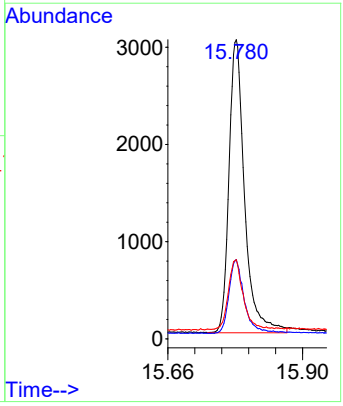




#31
Benzo(g,h,i)perylene
Concen: 6.44 ng/mL
RT: 15.780 min Scan# 4920
Delta R.T. 0.002 min
Lab File: GCMS21_210526_10.D
Acq: 26 May 2021 14:42

Tgt Ion:276 Resp: 5758

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.7
138	22.2	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_11.D
Acq On : 26 May 2021 15:07
Operator : MN GCMS21
Sample : CAL 3_10ng/mL
Misc : LIMS 21B0103
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 11:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

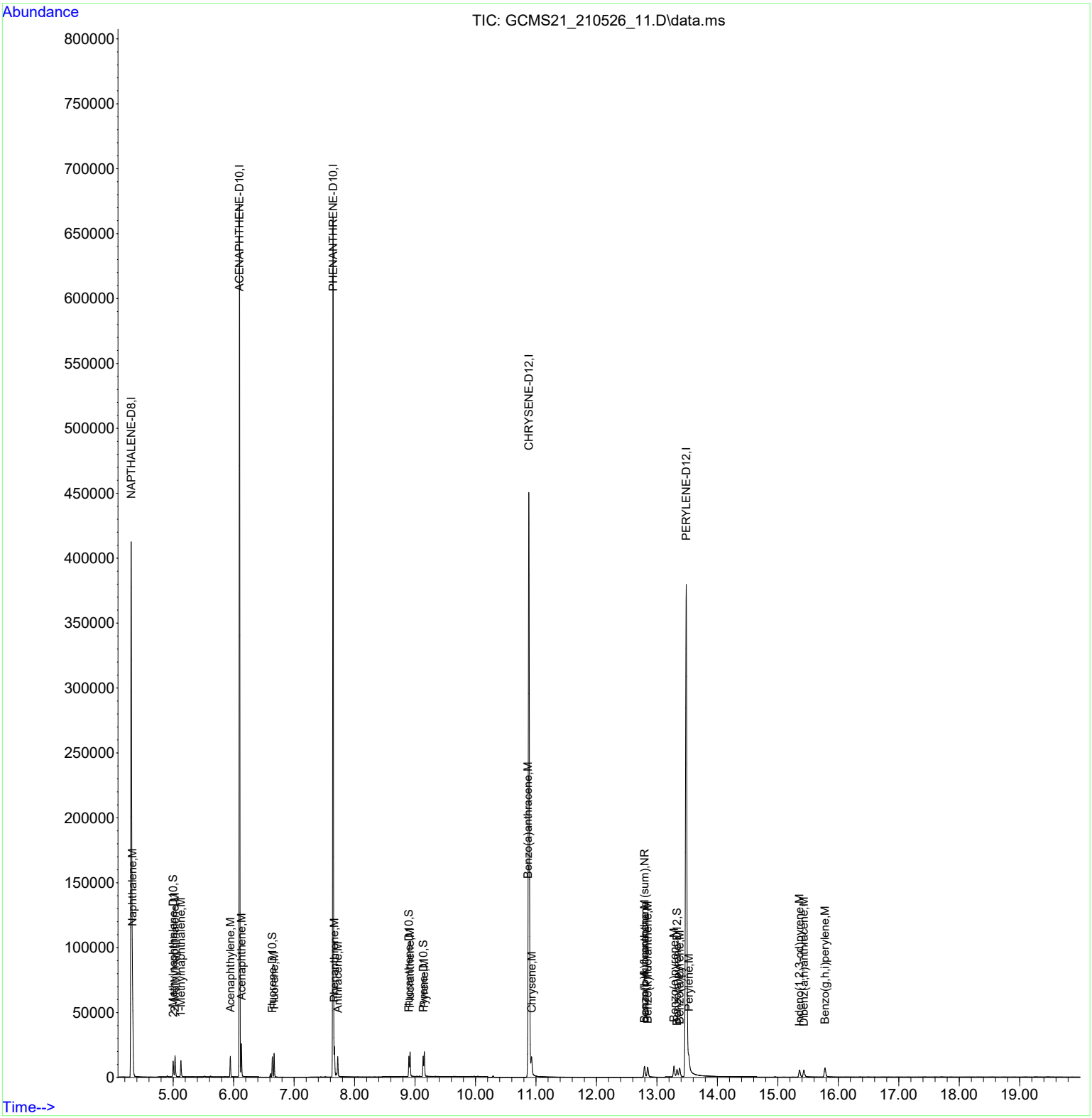
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.306	136	456593	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	251690	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	474229	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	457387	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	429893	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	5543	9.52	ng/mL	0.00
9) Fluorene-D10	6.639	176	6150	10.50	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	9942	9.38	ng/mL	0.00
17) Pyrene-D10	9.135	212	10147	9.73	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	6513	8.79	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	10214	11.65	ng/mL	99
4) 2-Methylnaphthalene	5.030	142	6921	11.14	ng/mL	100
5) 1-Methylnaphthalene	5.129	142	5094	9.11	ng/mL	100
7) Acenaphthylene	5.945	152	8542	10.53	ng/mL	99
8) Acenaphthene	6.129	153	6545	10.65	ng/mL	100
10) Fluorene	6.670	166	7080	10.13	ng/mL	99
12) Phenanthrene	7.667	178	11864	6.54	ng/mL	100
13) Anthracene	7.722	178	9282	9.28	ng/mL	100
15) Fluoranthene	8.919	202	11910	9.92	ng/mL	99
18) Pyrene	9.153	202	12235	10.52	ng/mL	99
19) Benzo(a)anthracene	10.868	228	11435	12.42	ng/mL	95
20) Chrysene	10.927	228	11908	11.27	ng/mL	100
22) Benzo(b)fluoranthene	12.793	252	10242	12.10	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	10149	10.76	ng/mL	96
24) benzo(b+k)fluoranthene...	12.793	252	20094m	22.32	ng/mL	
25) Benzo(e)pyrene	13.283	252	9070	10.39	ng/mL	99
27) Benzo(a)pyrene	13.376	252	7619	9.01	ng/mL	100
28) Perylene	13.528	252	8980	9.79	ng/mL	98
29) Indeno(1,2,3-cd)pyrene	15.358	276	6545	9.00	ng/mL	100
30) Dibenz(a,h)anthracene	15.430	278	5961	7.71	ng/mL	99
31) Benzo(g,h,i)perylene	15.780	276	8794	9.76	ng/mL	98

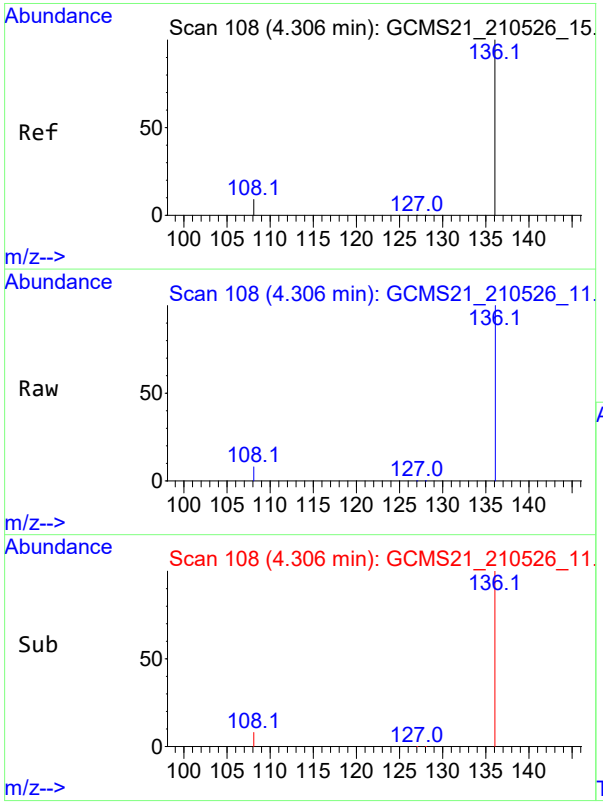
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_11.D
Acq On : 26 May 2021 15:07
Operator : MN GCMS21
Sample : CAL 3_10ng/mL
Misc : LIMS 21B0103
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 11:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

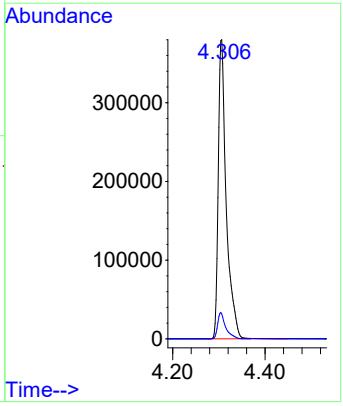


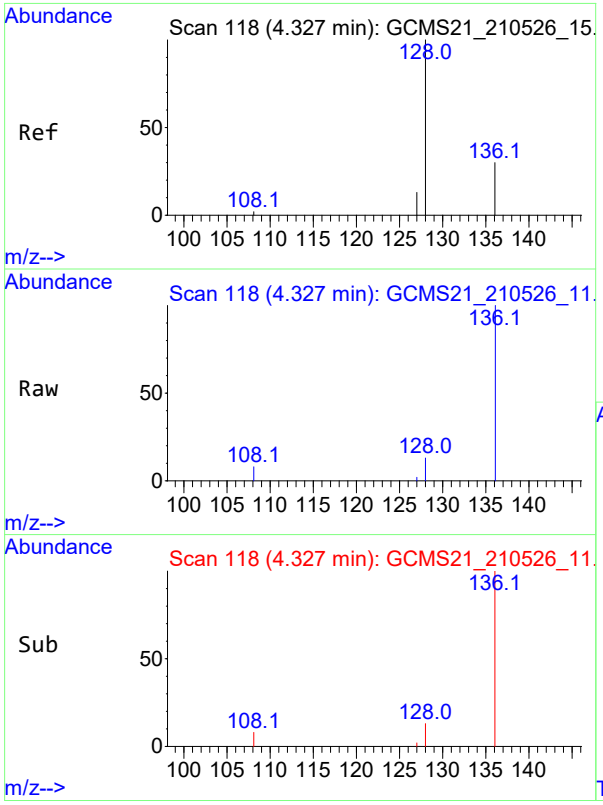


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. 0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:136 Resp: 456593

Ion	Ratio	Lower	Upper
136	100		
108	8.8	0.0	29.0

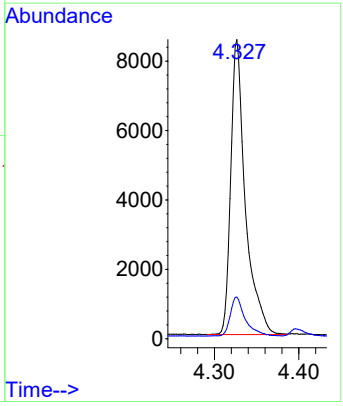


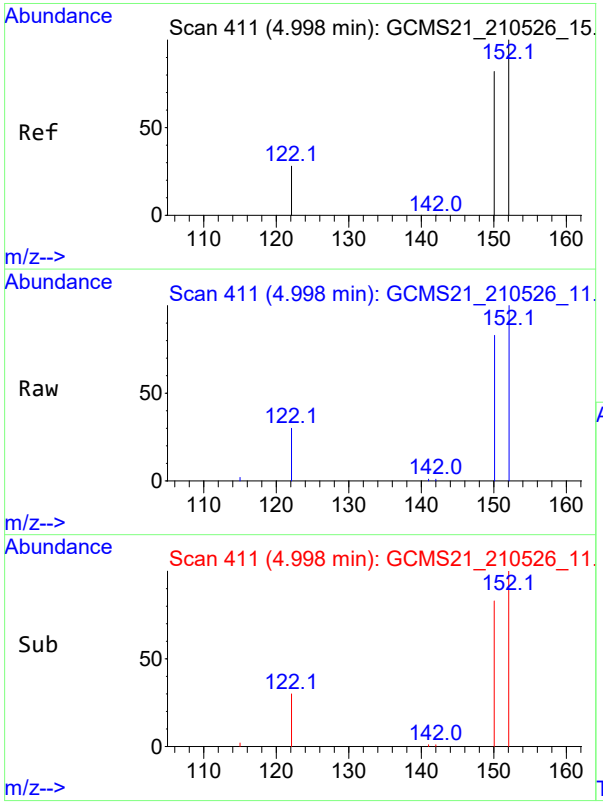


#2
Naphthalene
Concen: 11.65 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:128 Resp: 10214

Ion	Ratio	Lower	Upper
128	100		
127	13.6	0.0	43.4

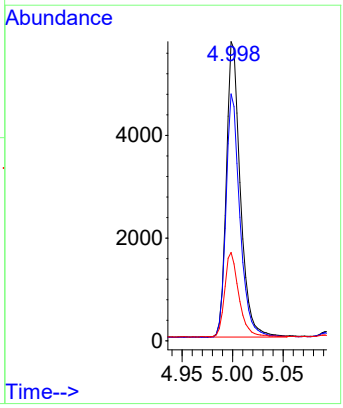


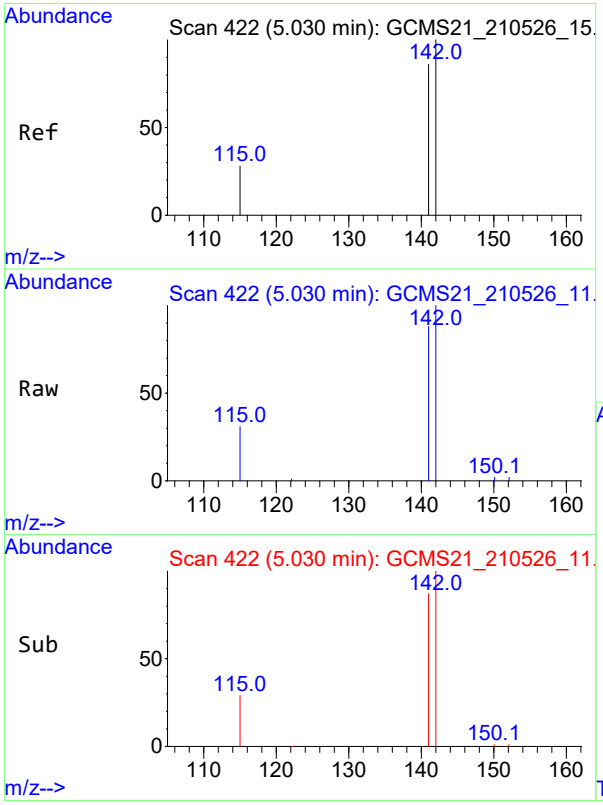


#3
2-Methylnaphthalene-D10
Concen: 9.52 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:152 Resp: 5543

Ion	Ratio	Lower	Upper
152	100		
150	82.5	57.5	106.7
122	29.1	20.1	37.3

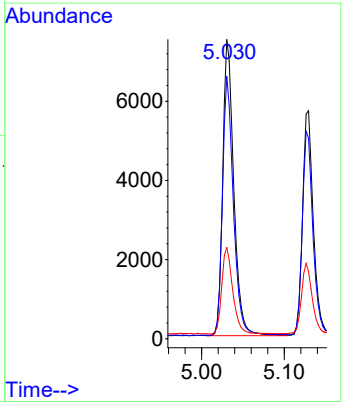


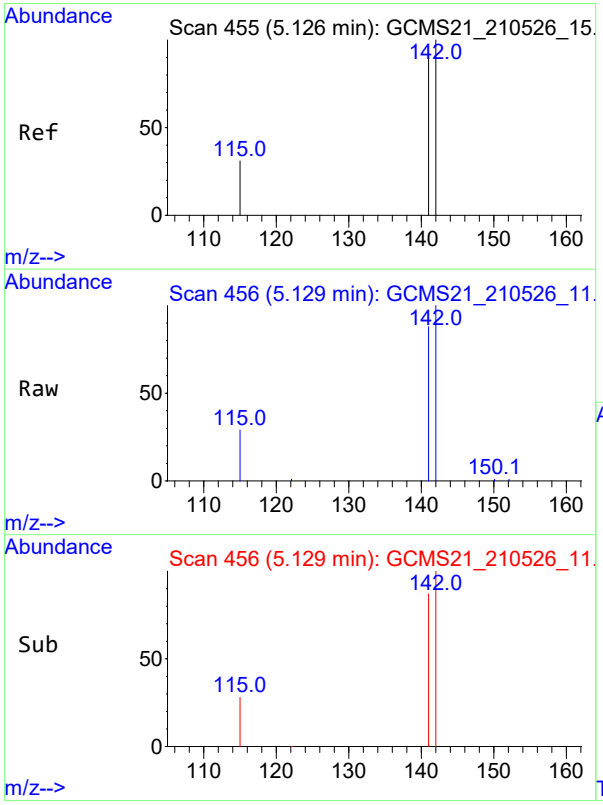


#4
2-Methylnaphthalene
Concen: 11.14 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:142 Resp: 6921

Ion	Ratio	Lower	Upper
142	100		
141	86.6	56.5	116.5
115	29.5	0.0	59.3

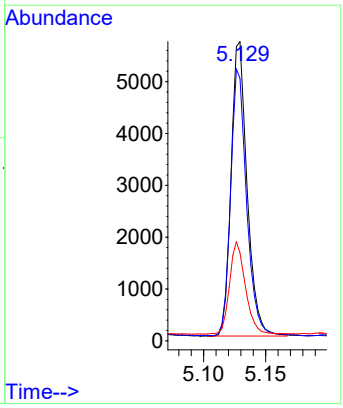


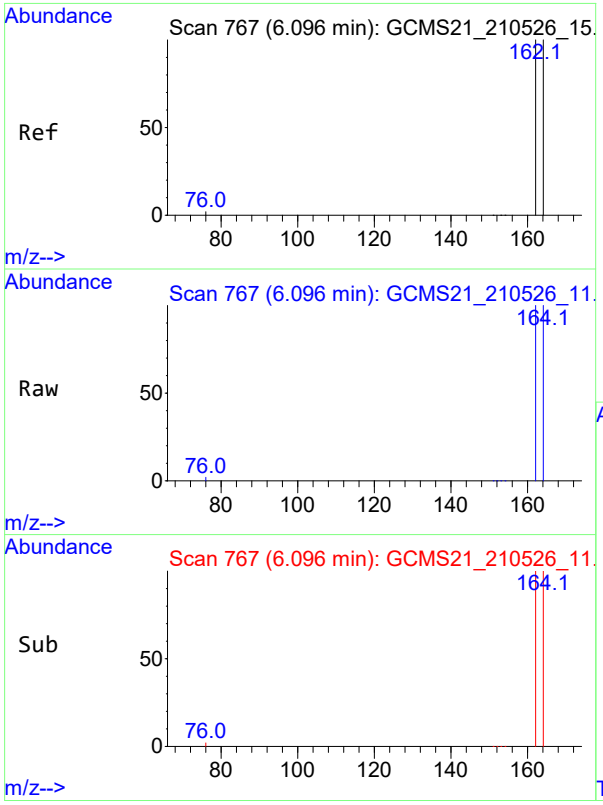


#5
1-Methylnaphthalene
Concen: 9.11 ng/mL
RT: 5.129 min Scan# 456
Delta R.T. 0.003 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:142 Resp: 5094

Ion	Ratio	Lower	Upper
142	100		
141	90.1	59.6	119.6
115	31.2	1.2	61.2

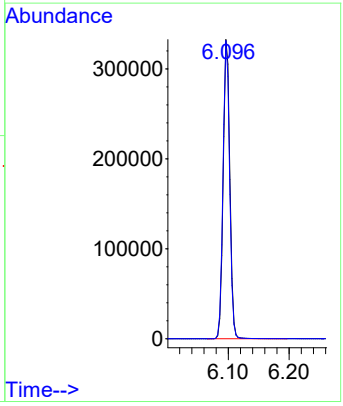


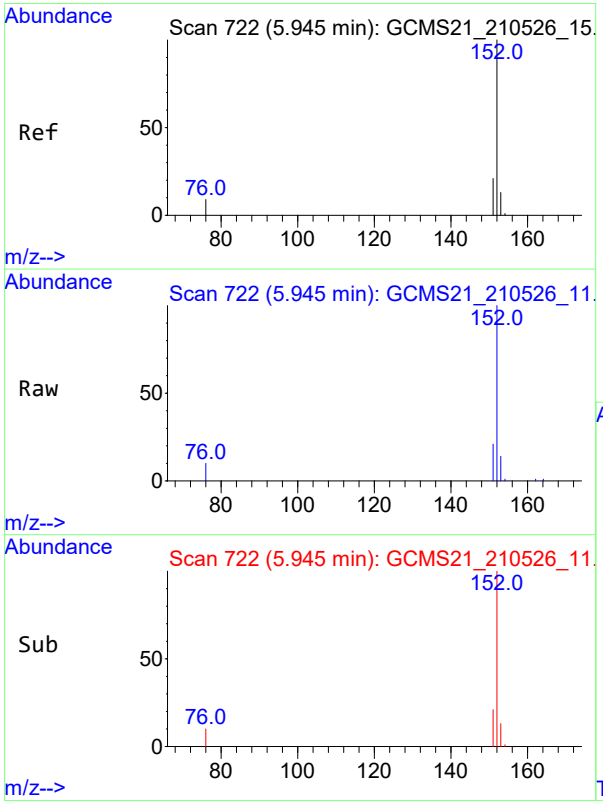


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:164 Resp: 251690

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.5	119.5

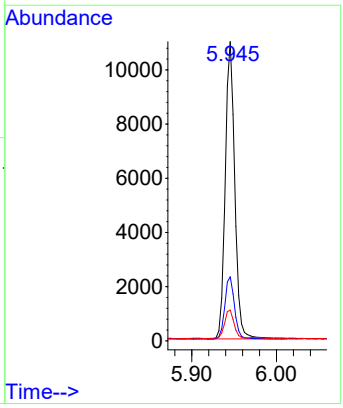


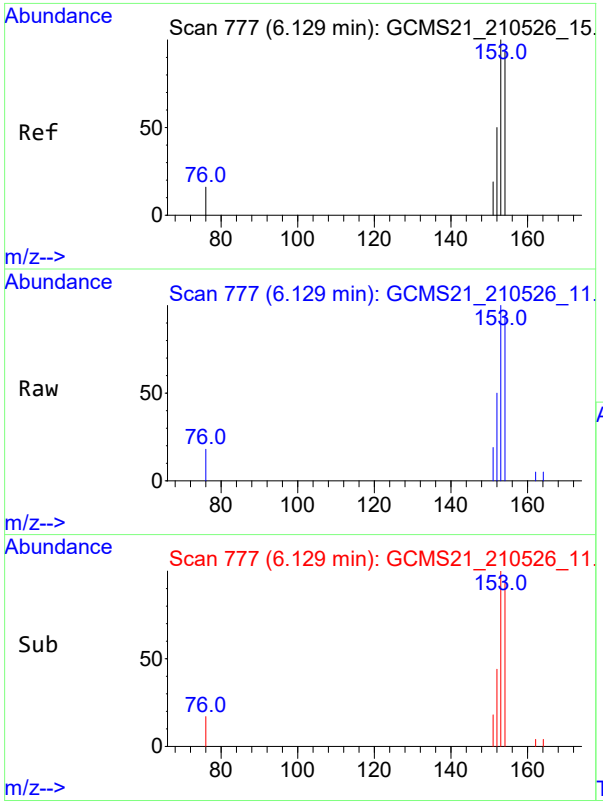


#7
Acenaphthylene
Concen: 10.53 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:152 Resp: 8542

Ion	Ratio	Lower	Upper
152	100		
151	21.1	0.0	51.5
76	9.6	0.0	39.5

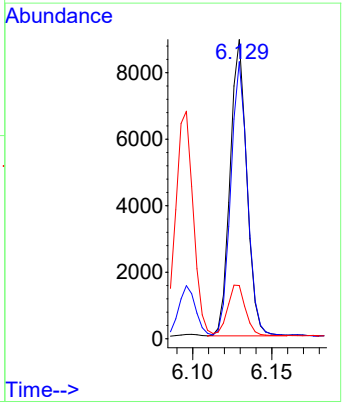


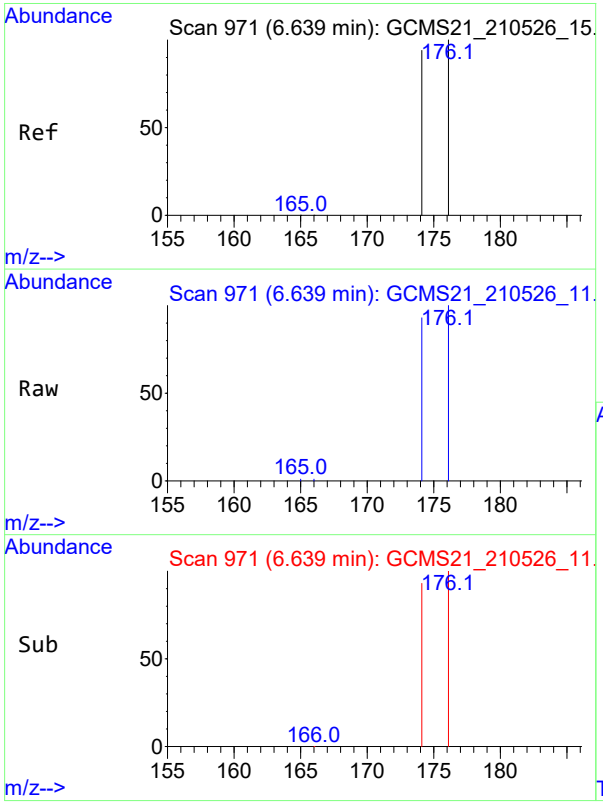


#8
Acenaphthene
Concen: 10.65 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:153 Resp: 6545

Ion	Ratio	Lower	Upper
153	100		
154	91.8	61.9	121.9
76	18.4	0.0	47.6

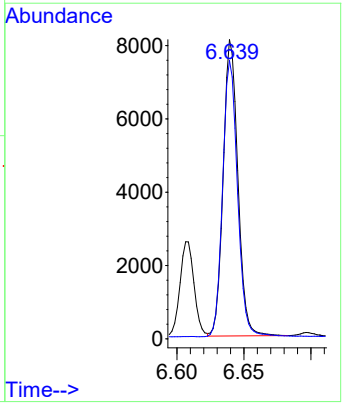


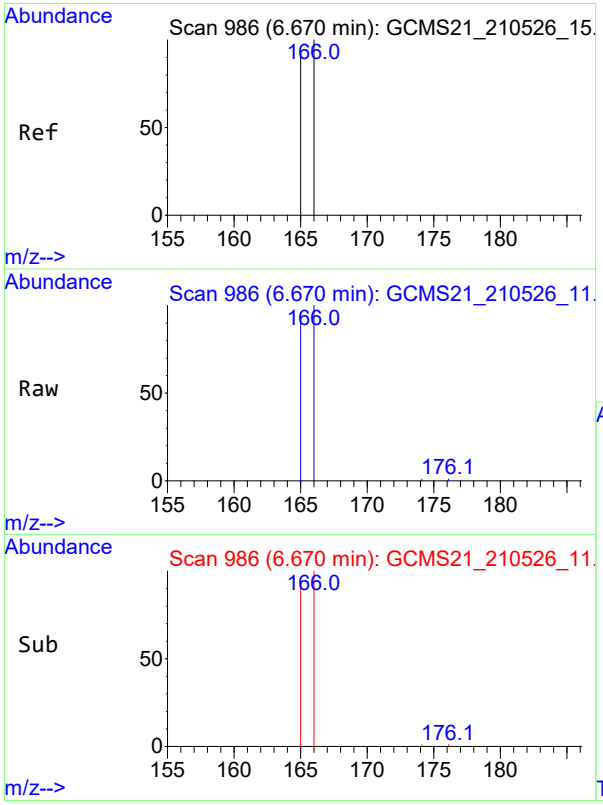


#9
Fluorene-D10
Concen: 10.50 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:176 Resp: 6150

Ion	Ratio	Lower	Upper
176	100		
174	95.0	66.0	122.6

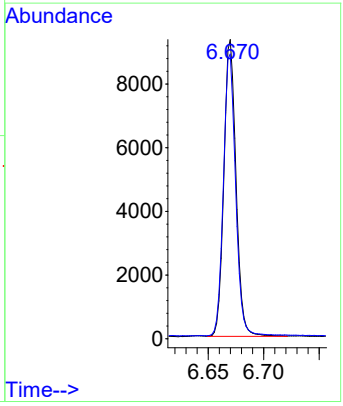


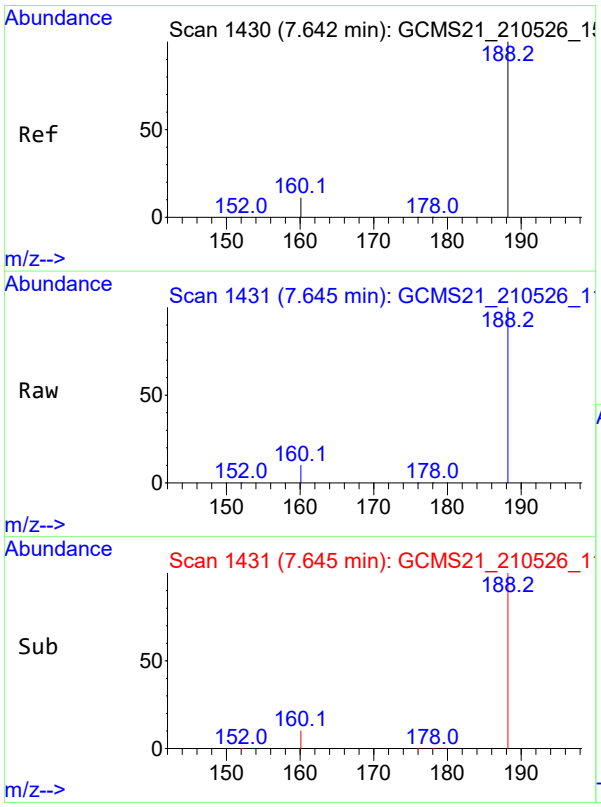


#10
Fluorene
Concen: 10.13 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:166 Resp: 7080

Ion	Ratio	Lower	Upper
166	100		
165	95.9	65.4	125.4

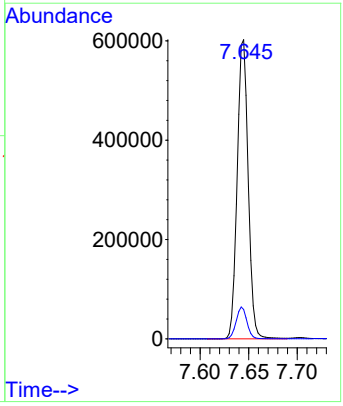


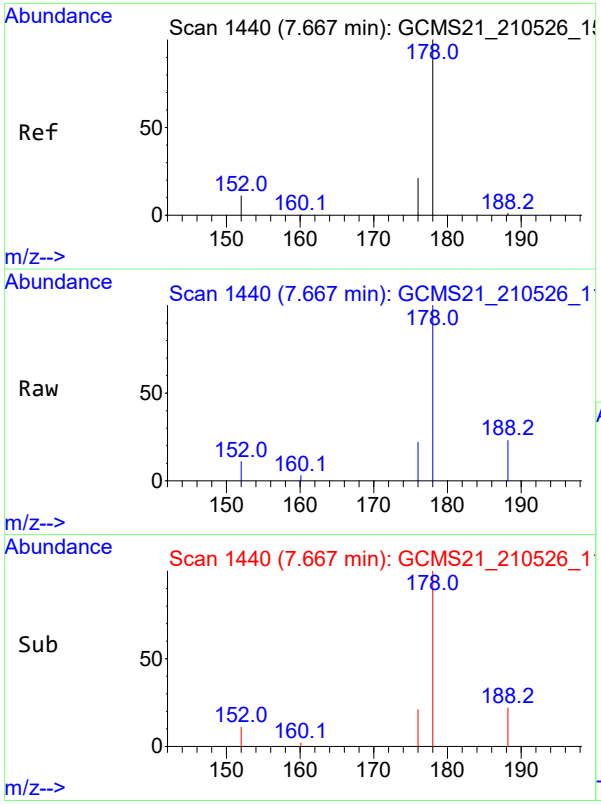


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.002 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:188 Resp: 474229

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

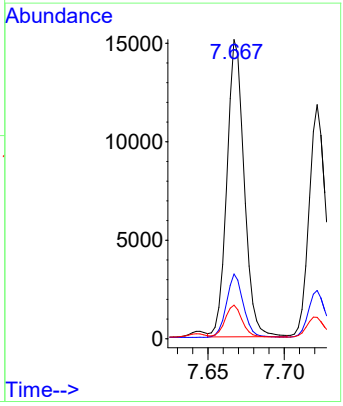


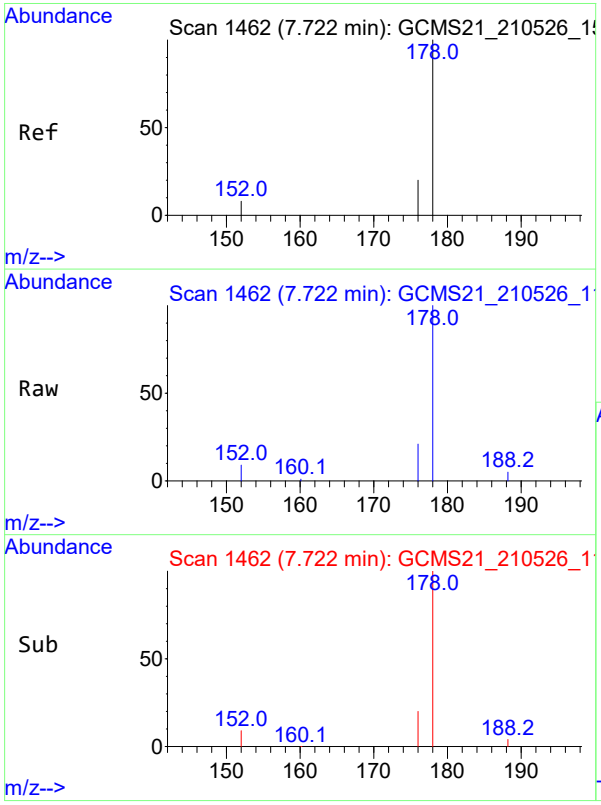


#12
Phenanthrene
Concen: 6.54 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:178 Resp: 11864

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	10.6	0.0	40.7

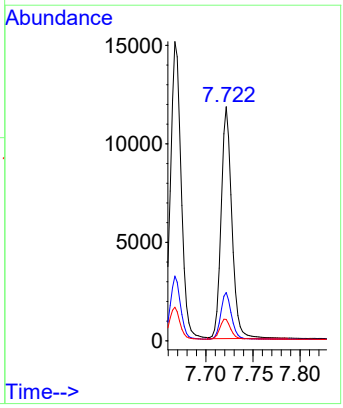


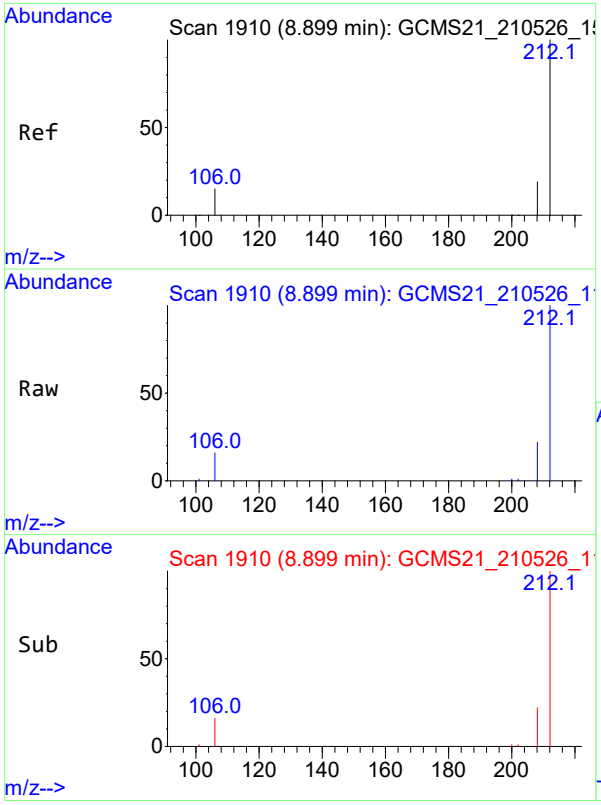


#13
Anthracene
Concen: 9.28 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:178 Resp: 9282

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.2
152	8.8	0.0	38.7

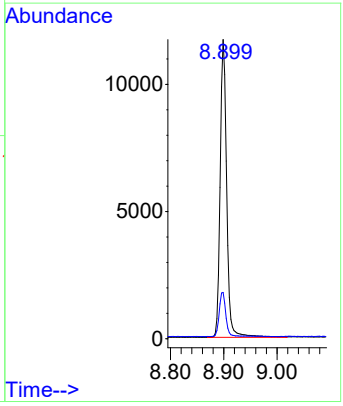


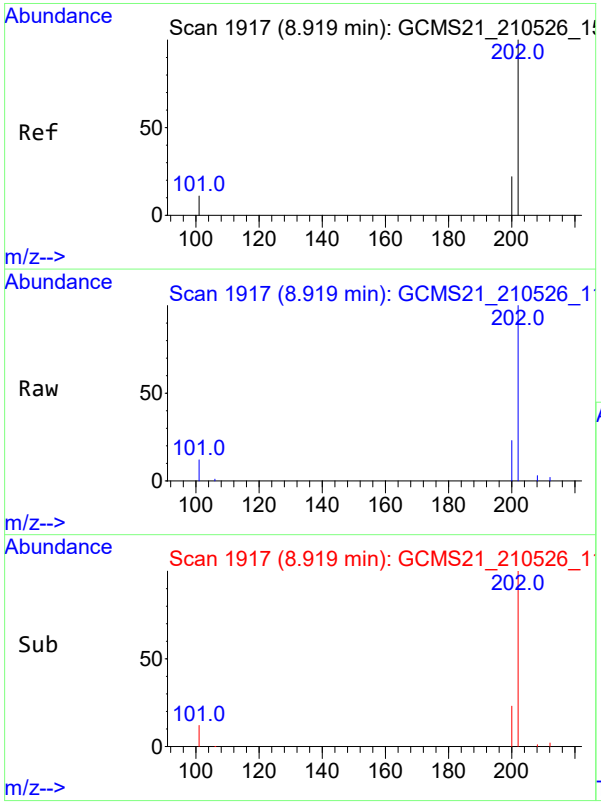


#14
Fluoranthene-D10
Concen: 9.38 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:212 Resp: 9942

Ion	Ratio	Lower	Upper
212	100		
106	15.1	10.6	19.6

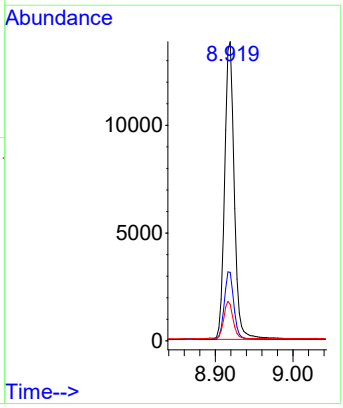


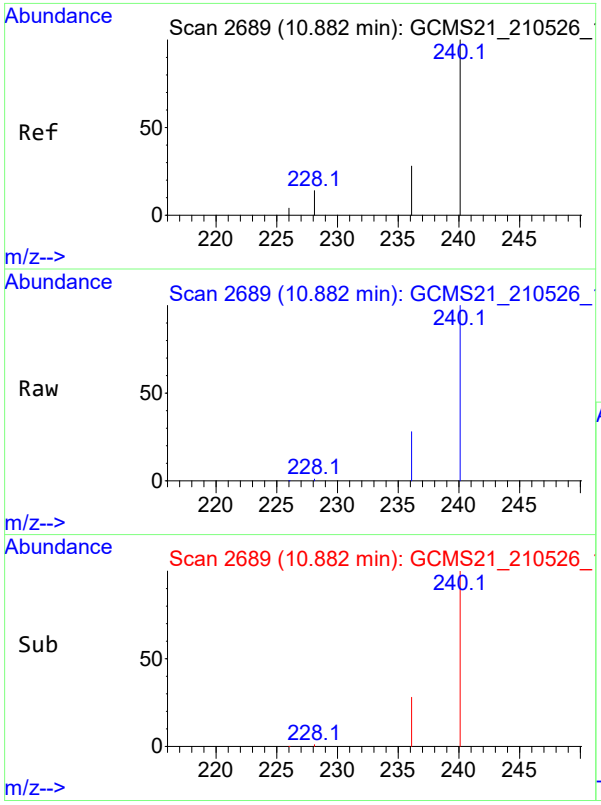


#15
Fluoranthene
Concen: 9.92 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:202 Resp: 11910

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.2
101	12.6	0.0	42.4

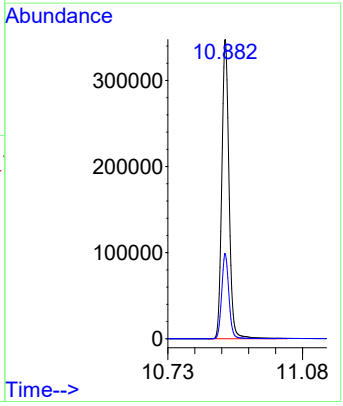


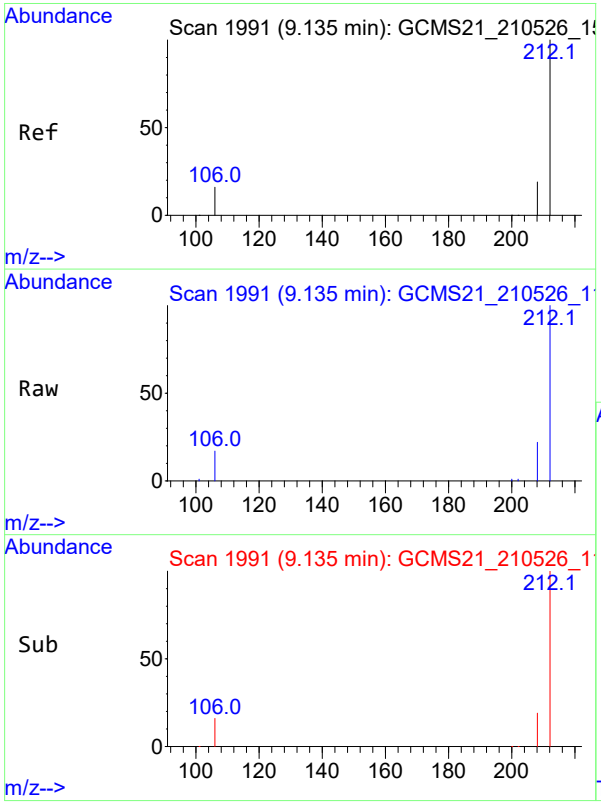


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:240 Resp: 457387

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

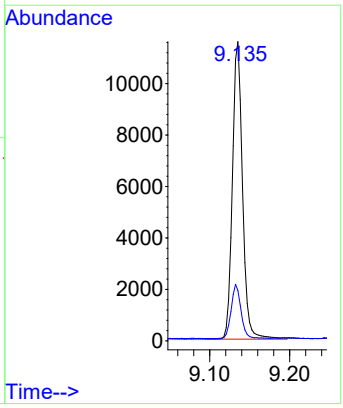


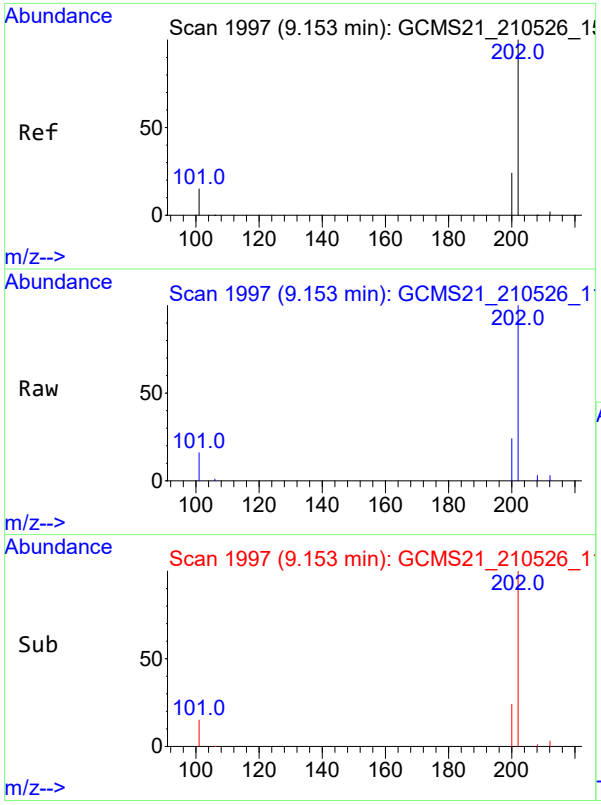


#17
Pyrene-D10
Concen: 9.73 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:212 Resp: 10147

Ion	Ratio	Lower	Upper
212	100		
106	17.8	12.2	22.6

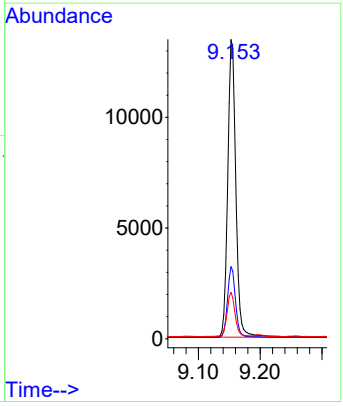


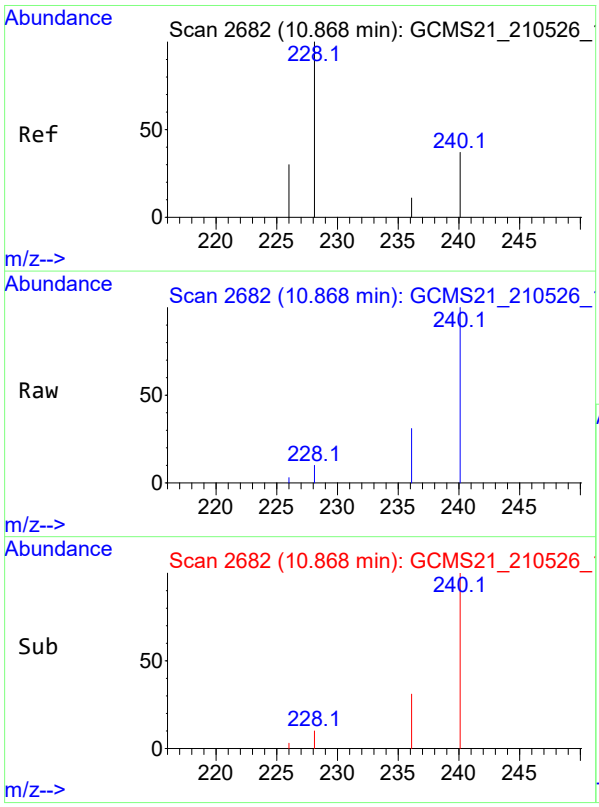


#18
Pyrene
Concen: 10.52 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:202 Resp: 12235

Ion	Ratio	Lower	Upper
202	100		
200	23.7	0.0	53.6
101	14.8	0.0	44.4

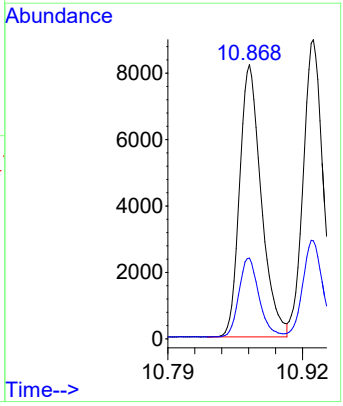


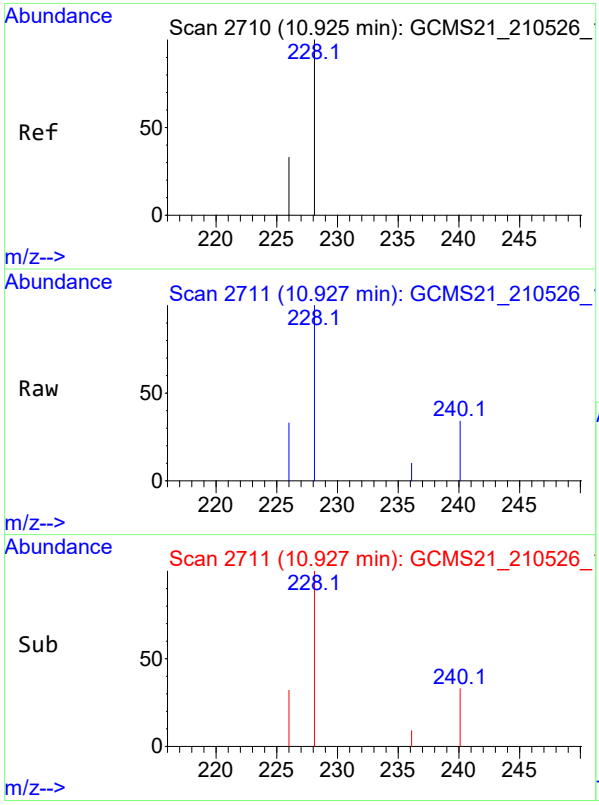


#19
Benzo(a)anthracene
Concen: 12.42 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:228 Resp: 11435

Ion	Ratio	Lower	Upper
228	100		
226	27.0	0.0	59.6

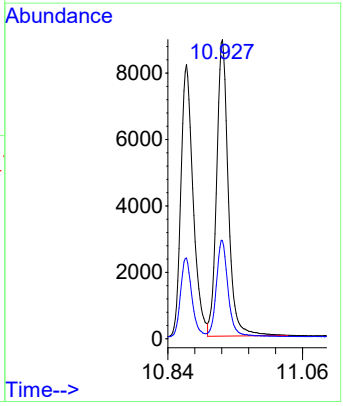


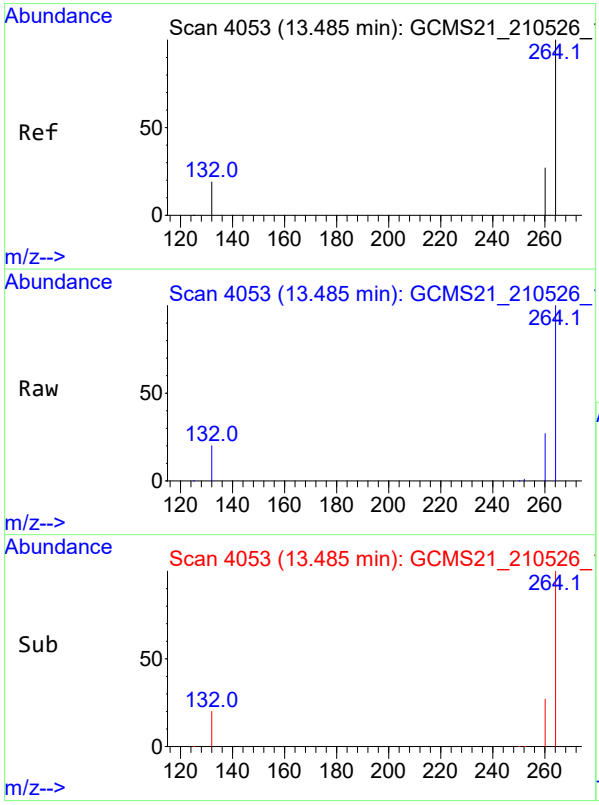


#20
Chrysene
Concen: 11.27 ng/mL
RT: 10.927 min Scan# 2711
Delta R.T. 0.002 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:228 Resp: 11908

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.5	62.5

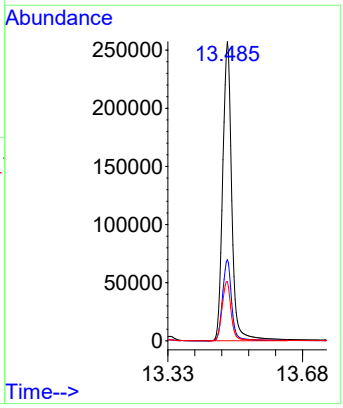


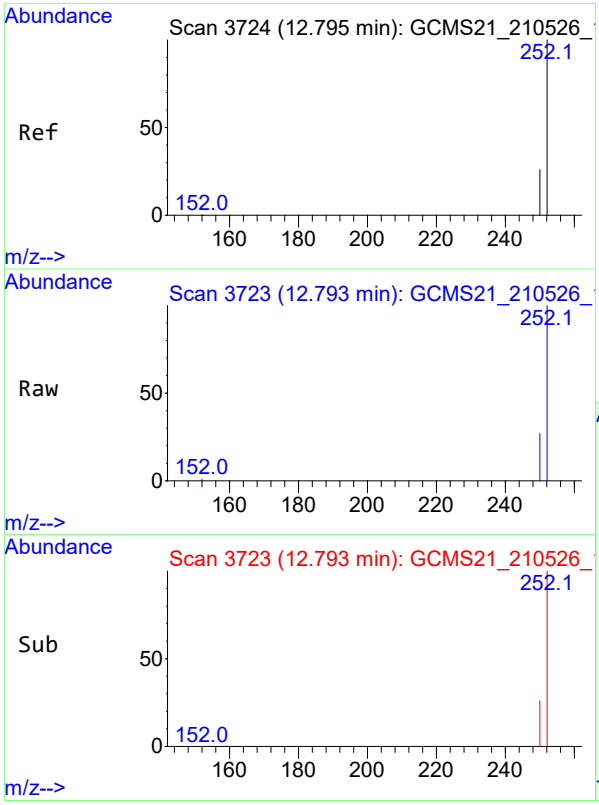


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:264 Resp: 429893

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	20.1	0.0	49.9

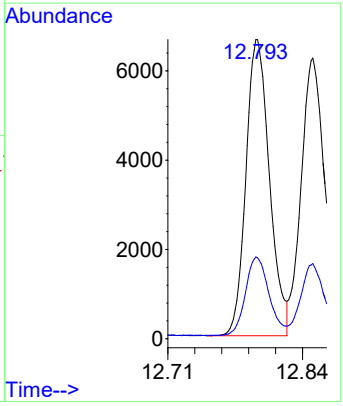


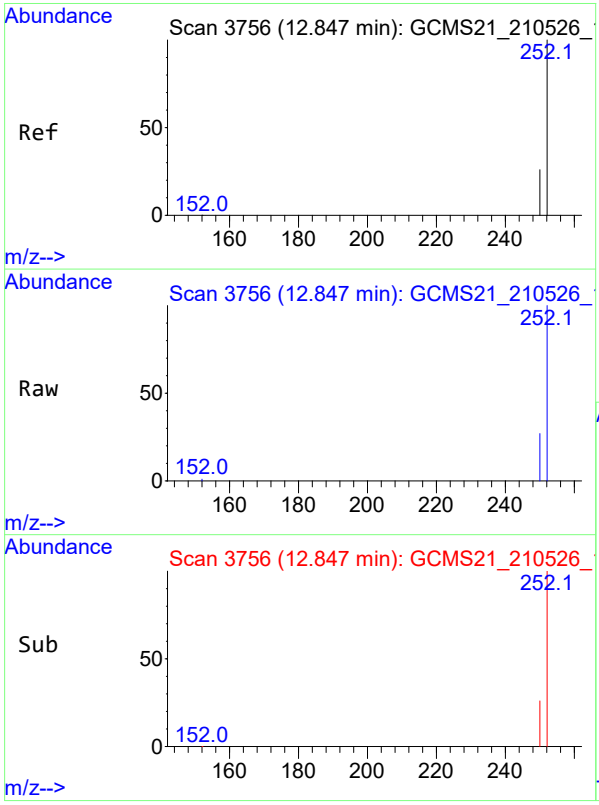


#22
Benzo(b)fluoranthene
Concen: 12.10 ng/mL
RT: 12.793 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 10242

Ion	Ratio	Lower	Upper
252	100		
250	26.4	0.0	56.2

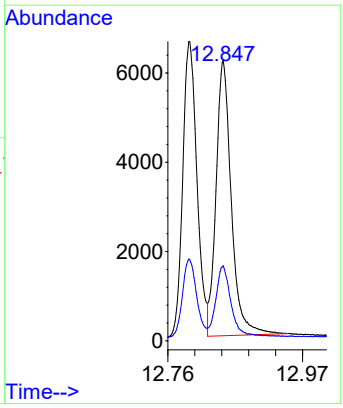


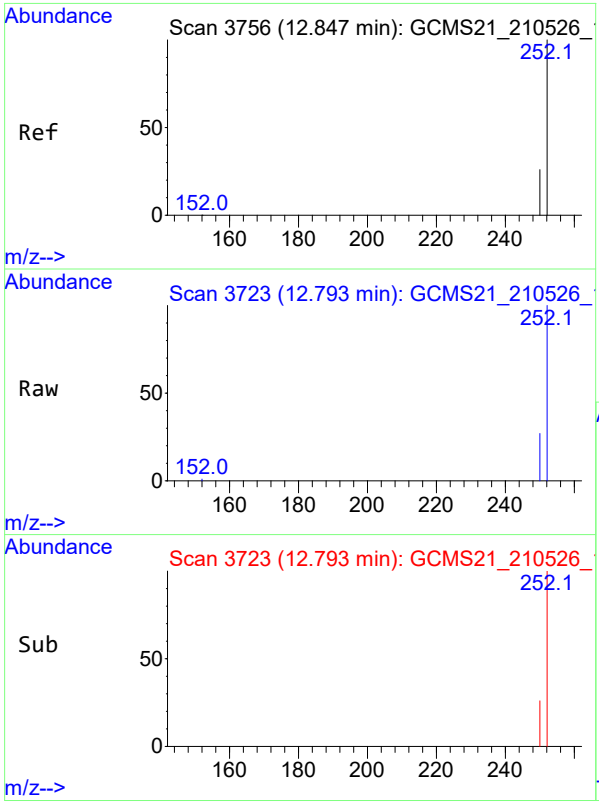


#23
Benzo(k)fluoranthene
Concen: 10.76 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 10149

Ion	Ratio	Lower	Upper
252	100		
250	23.2	0.0	55.4

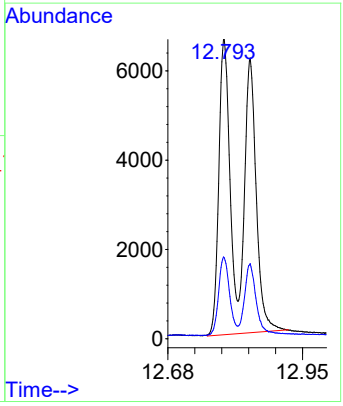


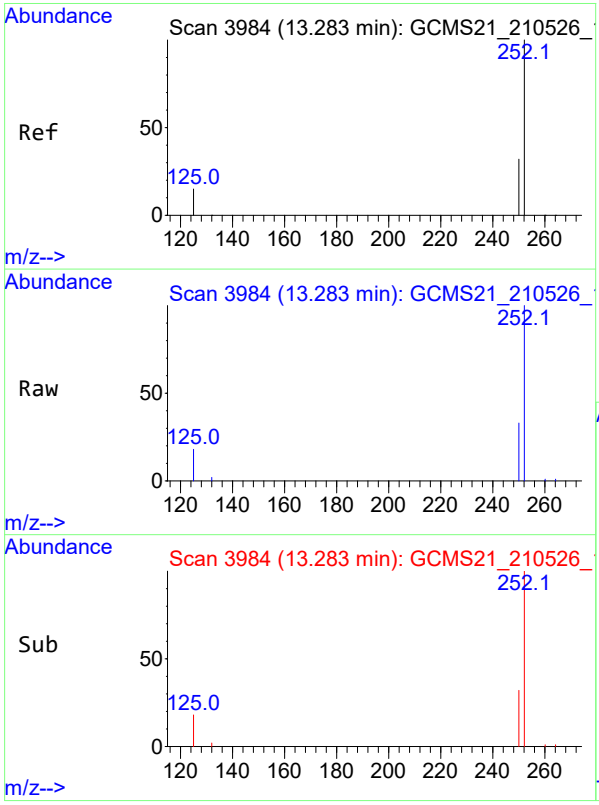


#24
benzo(b+k)fluoranthene (sum)
Concen: 22.32 ng/mL m
RT: 12.793 min Scan# 3723
Delta R.T. -0.054 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 20094

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	56.3

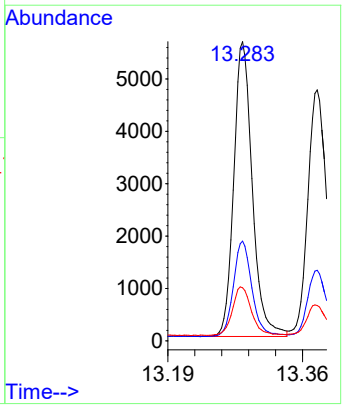


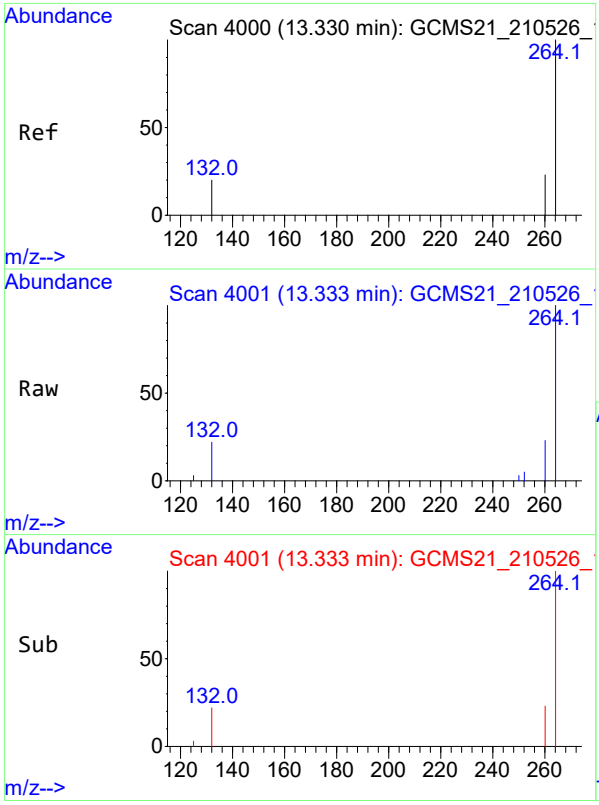


#25
Benzo(e)pyrene
Concen: 10.39 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 9070

Ion	Ratio	Lower	Upper
252	100		
250	32.9	2.4	62.4
125	16.9	0.0	46.0

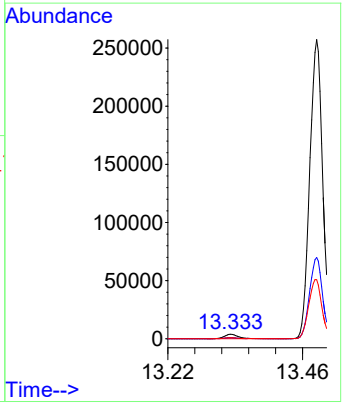


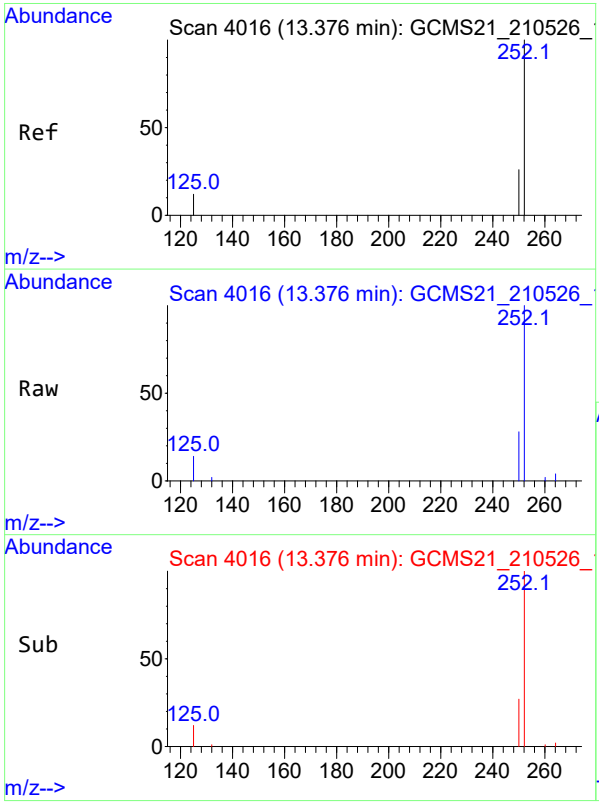


#26
Benzo(a)pyrene-D12
Concen: 8.79 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:264 Resp: 6513

Ion	Ratio	Lower	Upper
264	100		
260	22.4	0.0	52.7
132	19.9	0.0	49.5

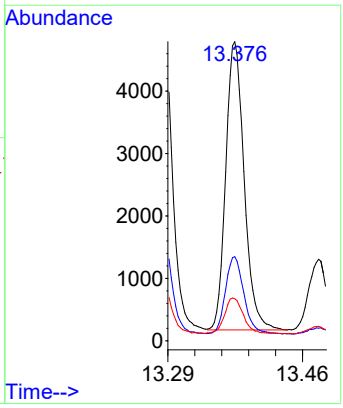


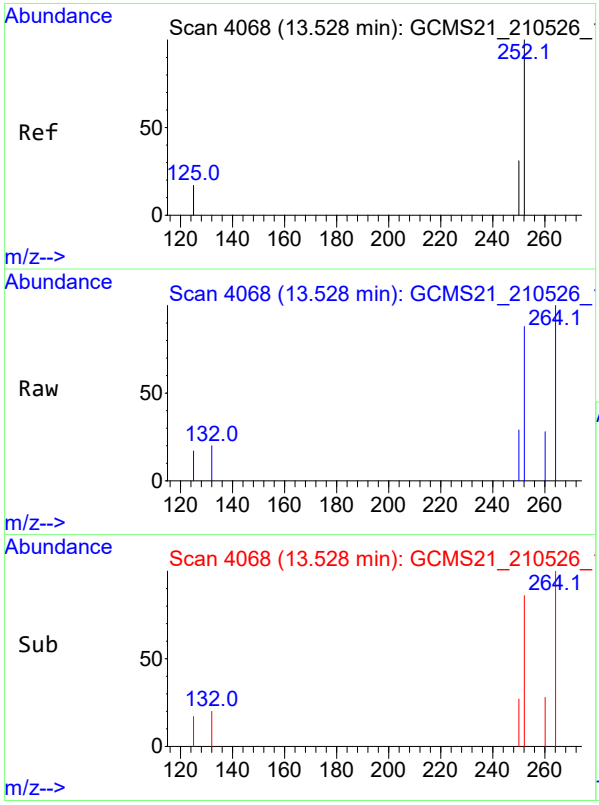


#27
Benzo(a)pyrene
Concen: 9.01 ng/mL
RT: 13.376 min Scan# 4016
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 7619

Ion	Ratio	Lower	Upper
252	100		
250	27.3	0.0	57.2
125	12.7	0.0	42.3

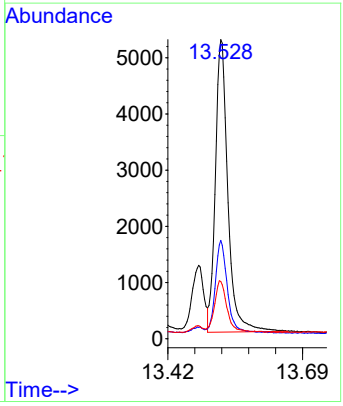


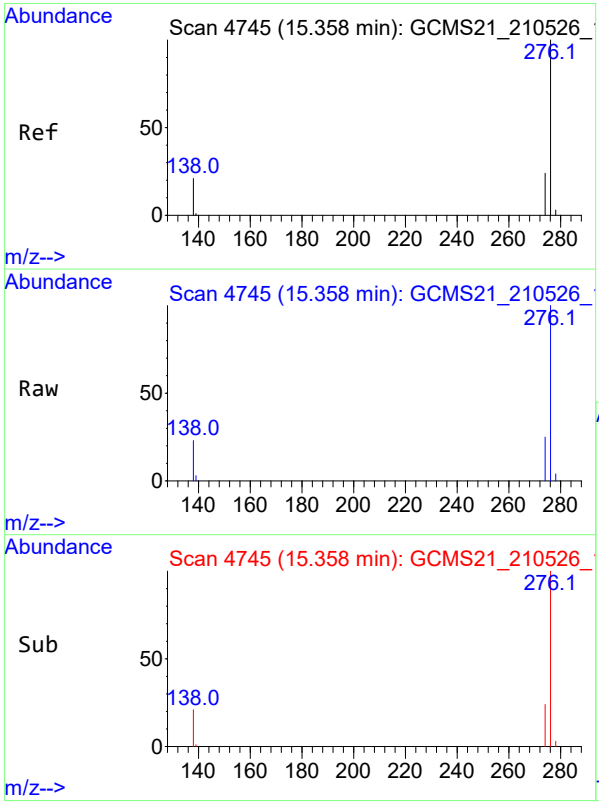


#28
Perylene
Concen: 9.79 ng/mL
RT: 13.528 min Scan# 4068
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 8980

Ion	Ratio	Lower	Upper
252	100		
250	29.6	1.1	61.1
125	16.9	0.0	46.2

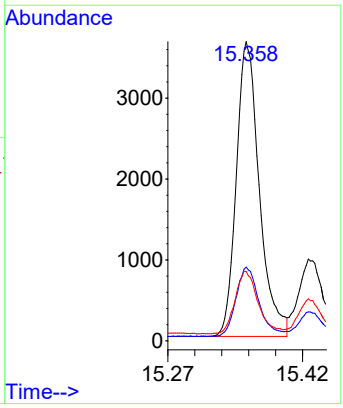


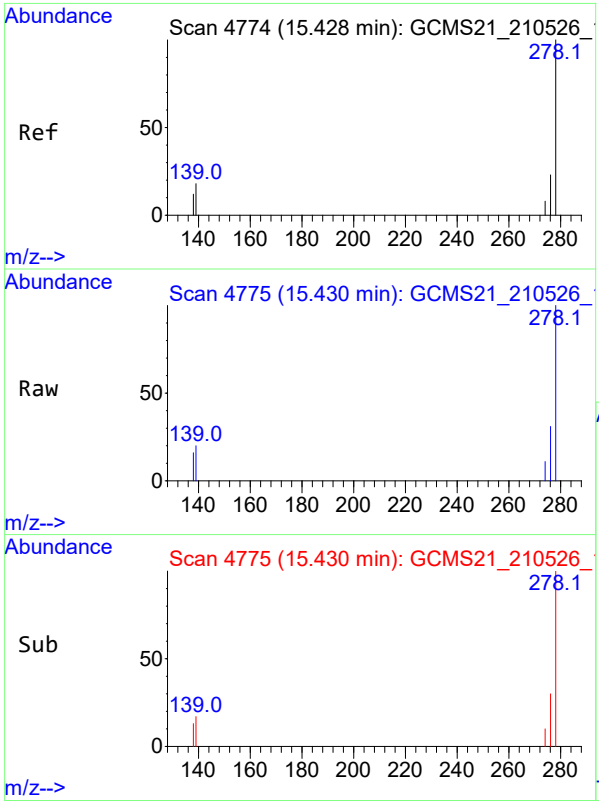


#29
Indeno(1,2,3-cd)pyrene
Concen: 9.00 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:276 Resp: 6545

Ion	Ratio	Lower	Upper
276	100		
274	23.4	0.0	53.7
138	21.1	0.0	51.1

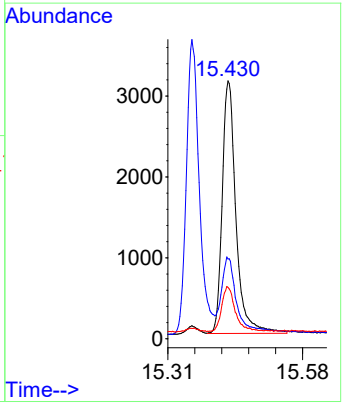


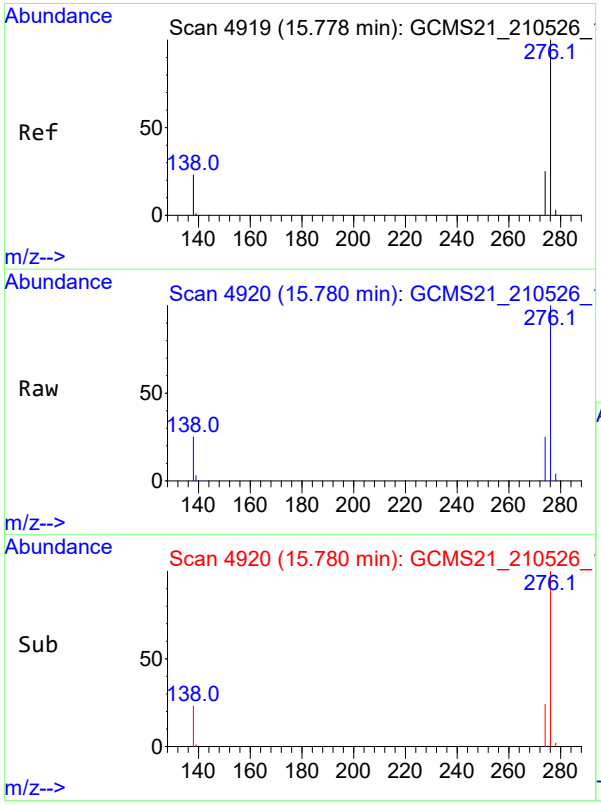


#30
Dibenz(a,h)anthracene
Concen: 7.71 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:278 Resp: 5961

Ion	Ratio	Lower	Upper
278	100		
276	31.6	2.7	62.7
139	17.3	0.0	47.4

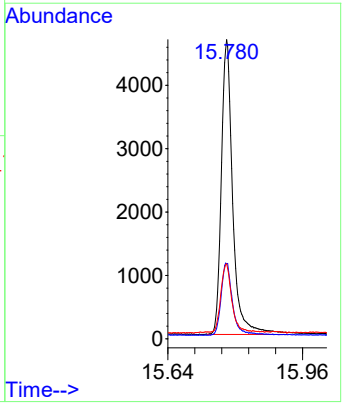




#31
Benzo(g,h,i)perylene
Concen: 9.76 ng/mL
RT: 15.780 min Scan# 4920
Delta R.T. 0.002 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:276 Resp: 8794

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	54.7
138	21.9	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_11.D
Acq On : 26 May 2021 15:07
Operator : MN GCMS21
Sample : CAL 3_10ng/mL
Misc : LIMS 21B0103
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 11:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

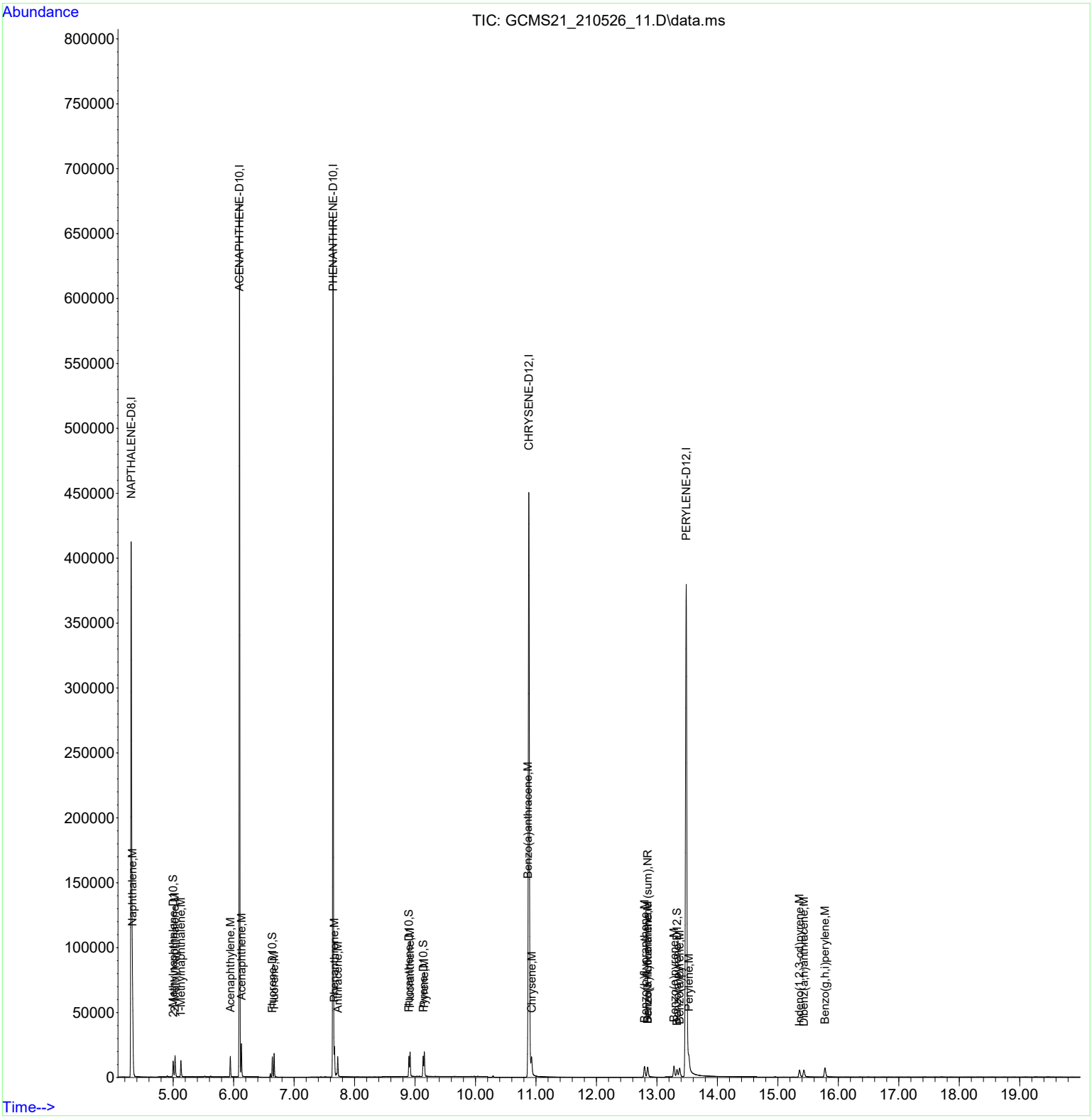
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.306	136	456593	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	251690	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	474229	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	457387	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	429893	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	5543	9.52	ng/mL	0.00
9) Fluorene-D10	6.639	176	6150	10.50	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	9942	9.38	ng/mL	0.00
17) Pyrene-D10	9.135	212	10147	9.73	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	6513	8.79	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	10214	11.65	ng/mL	99
4) 2-Methylnaphthalene	5.030	142	6921	11.14	ng/mL	100
5) 1-Methylnaphthalene	5.129	142	5094	9.11	ng/mL	100
7) Acenaphthylene	5.945	152	8542	10.53	ng/mL	99
8) Acenaphthene	6.129	153	6545	10.65	ng/mL	100
10) Fluorene	6.670	166	7080	10.13	ng/mL	99
12) Phenanthrene	7.667	178	11864	6.54	ng/mL	100
13) Anthracene	7.722	178	9282	9.28	ng/mL	100
15) Fluoranthene	8.919	202	11910	9.92	ng/mL	99
18) Pyrene	9.153	202	12235	10.52	ng/mL	99
19) Benzo(a)anthracene	10.868	228	11435	12.42	ng/mL	95
20) Chrysene	10.927	228	11908	11.27	ng/mL	100
22) Benzo(b)fluoranthene	12.793	252	10242	12.10	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	10149	10.76	ng/mL	96
24) benzo(b+k)fluoranthene...	12.847	252	10149	11.27	ng/mL	94
25) Benzo(e)pyrene	13.283	252	9070	10.39	ng/mL	99
27) Benzo(a)pyrene	13.376	252	7619	9.01	ng/mL	100
28) Perylene	13.528	252	8980	9.79	ng/mL	98
29) Indeno(1,2,3-cd)pyrene	15.358	276	6545	9.00	ng/mL	100
30) Dibenz(a,h)anthracene	15.430	278	5961	7.71	ng/mL	99
31) Benzo(g,h,i)perylene	15.780	276	8794	9.76	ng/mL	98

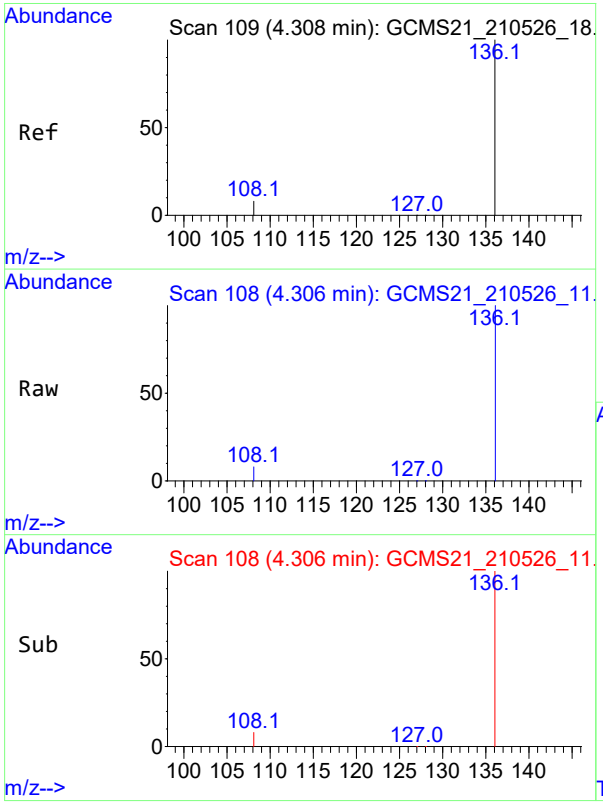
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_11.D
Acq On : 26 May 2021 15:07
Operator : MN GCMS21
Sample : CAL 3_10ng/mL
Misc : LIMS 21B0103
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 02 11:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

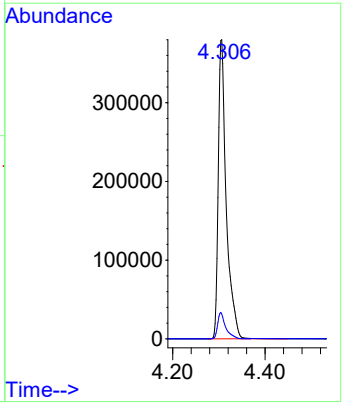


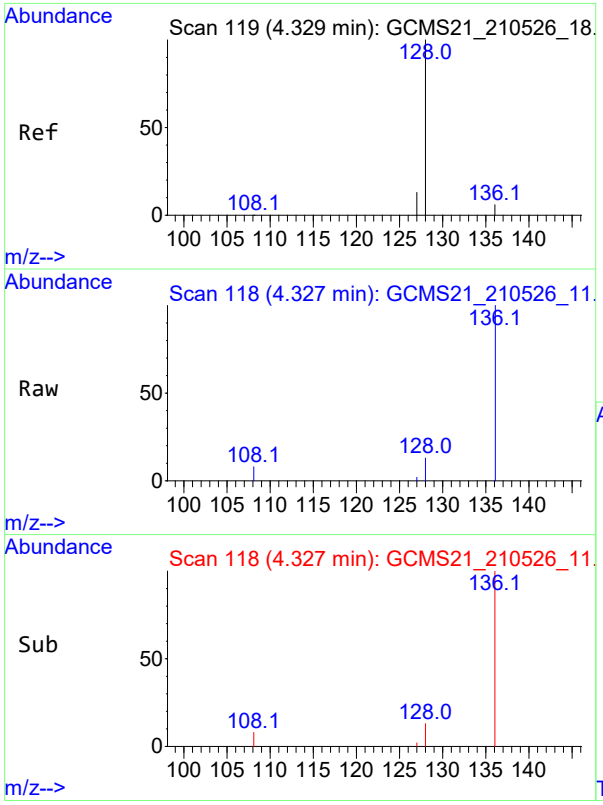


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. 0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:136 Resp: 456593

Ion	Ratio	Lower	Upper
136	100		
108	8.8	0.0	29.0

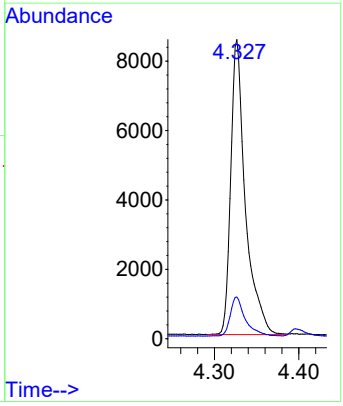


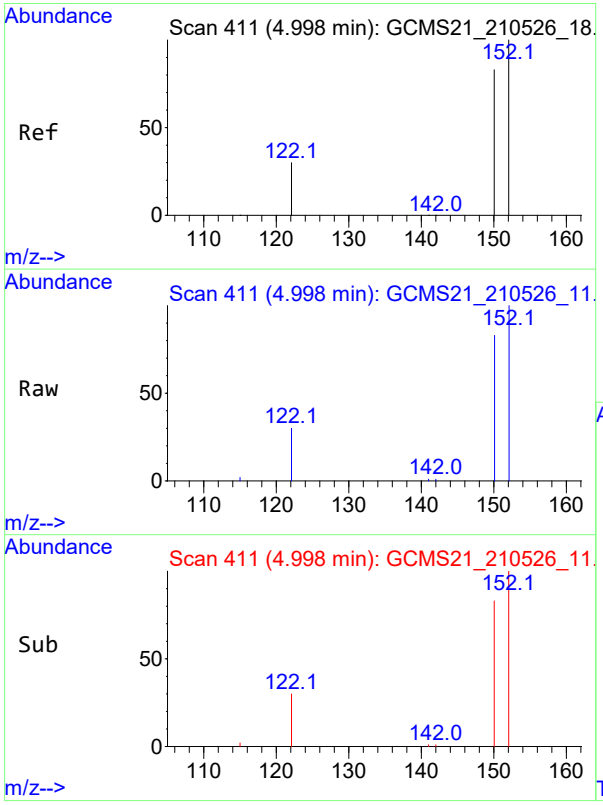


#2
Naphthalene
Concen: 11.65 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:128 Resp: 10214

Ion	Ratio	Lower	Upper
128	100		
127	13.6	0.0	43.4

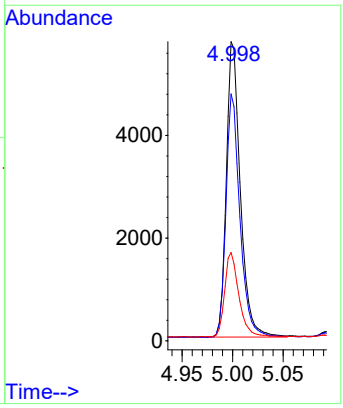


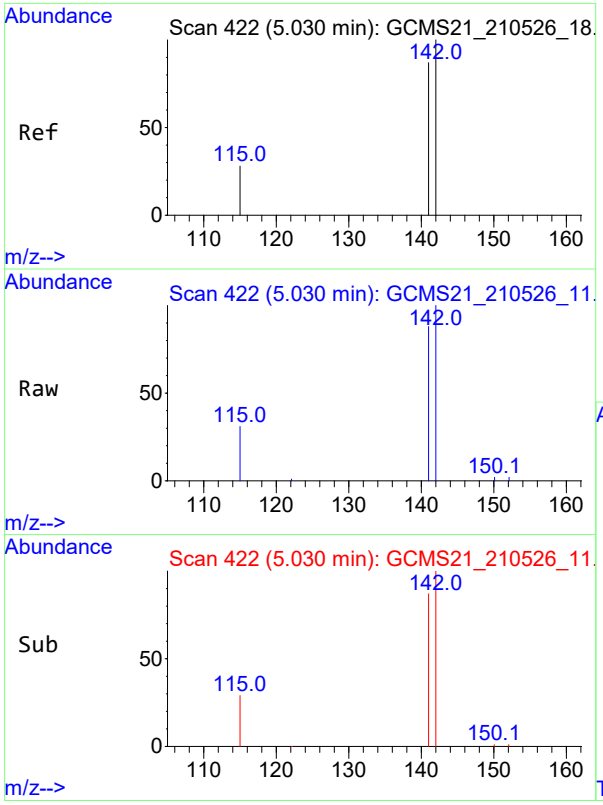


#3
2-Methylnaphthalene-D10
Concen: 9.52 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:152 Resp: 5543

Ion	Ratio	Lower	Upper
152	100		
150	82.5	57.5	106.7
122	29.1	20.1	37.3

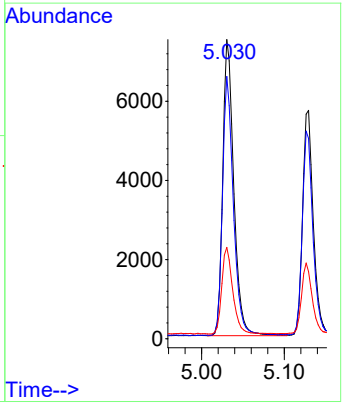


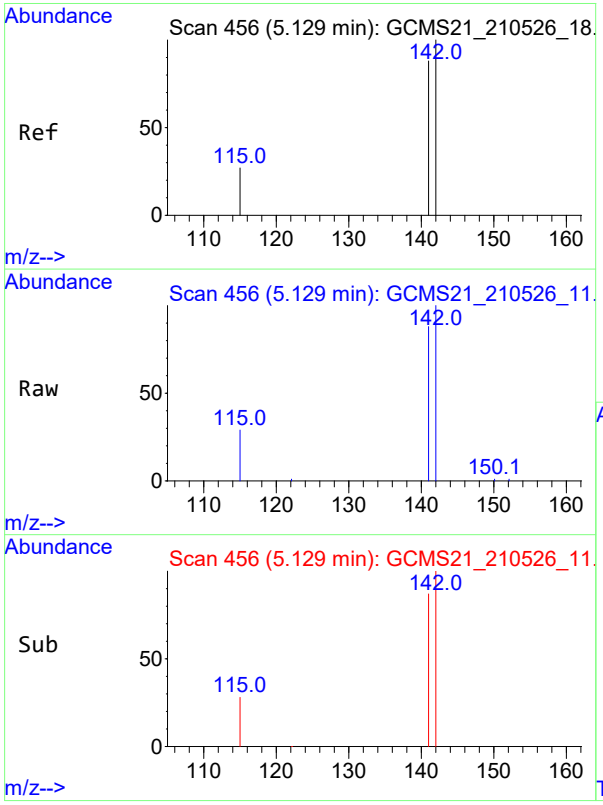


#4
2-Methylnaphthalene
Concen: 11.14 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:142 Resp: 6921

Ion	Ratio	Lower	Upper
142	100		
141	86.6	56.5	116.5
115	29.5	0.0	59.3

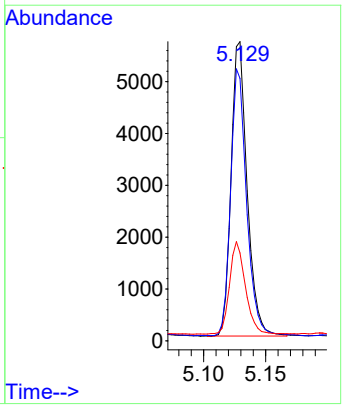


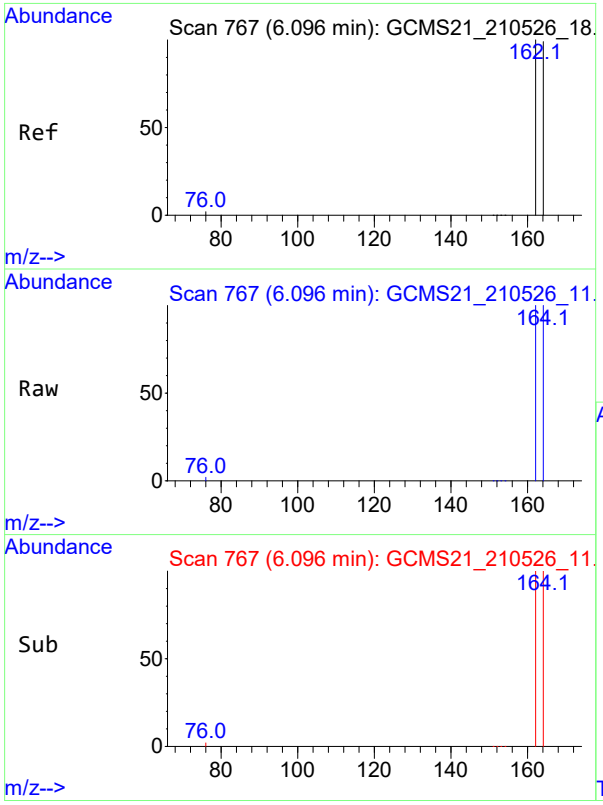


#5
1-Methylnaphthalene
Concen: 9.11 ng/mL
RT: 5.129 min Scan# 456
Delta R.T. 0.003 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:142 Resp: 5094

Ion	Ratio	Lower	Upper
142	100		
141	90.1	59.6	119.6
115	31.2	1.2	61.2

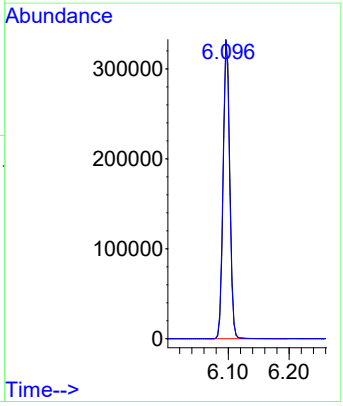


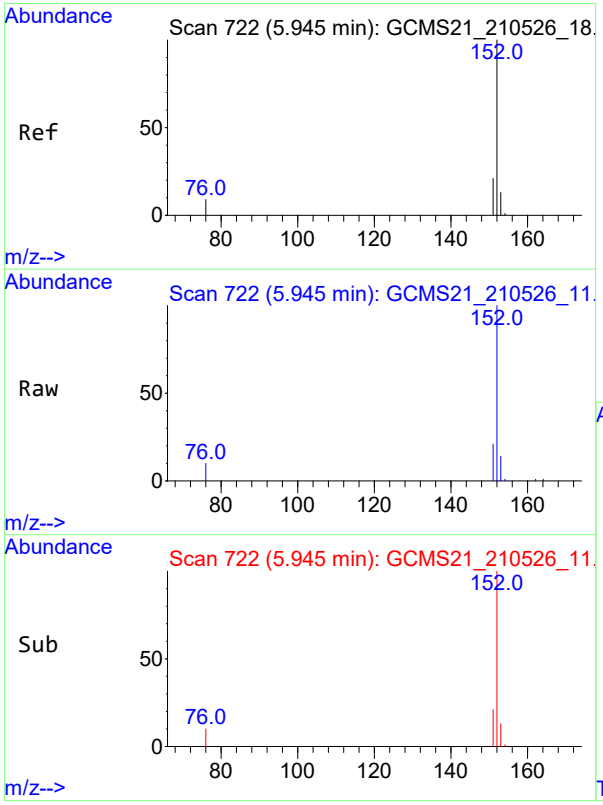


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:164 Resp: 251690

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.5	119.5

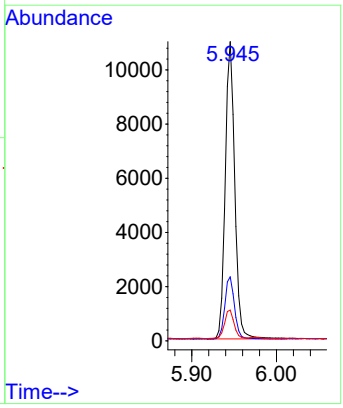


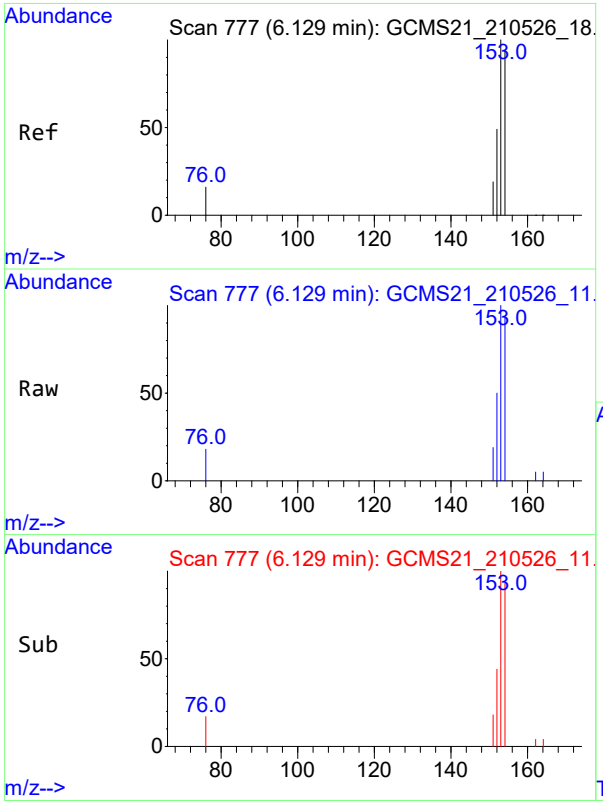


#7
Acenaphthylene
Concen: 10.53 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:152 Resp: 8542

Ion	Ratio	Lower	Upper
152	100		
151	21.1	0.0	51.5
76	9.6	0.0	39.5

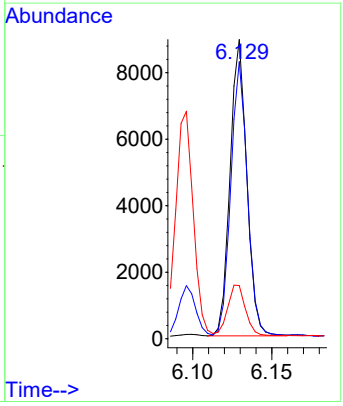


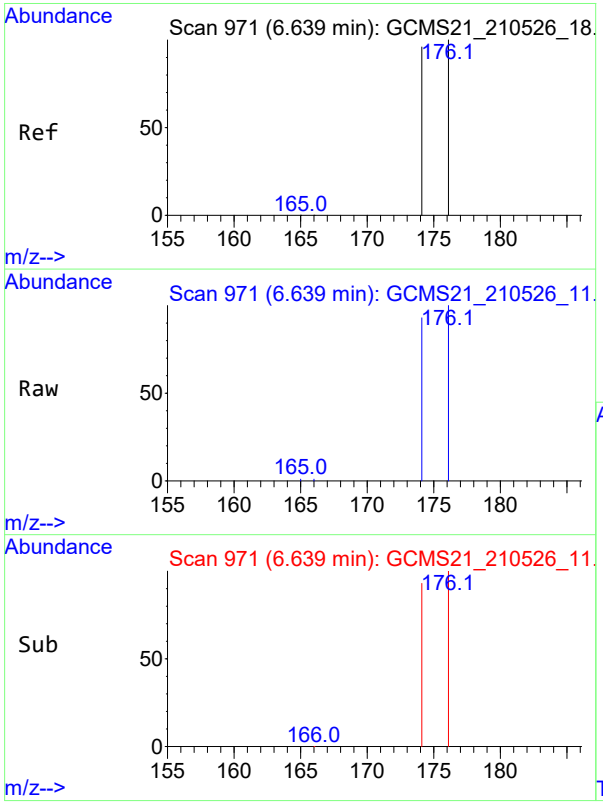


#8
Acenaphthene
Concen: 10.65 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:153 Resp: 6545

Ion	Ratio	Lower	Upper
153	100		
154	91.8	61.9	121.9
76	18.4	0.0	47.6

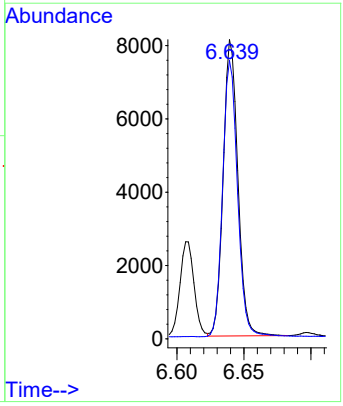


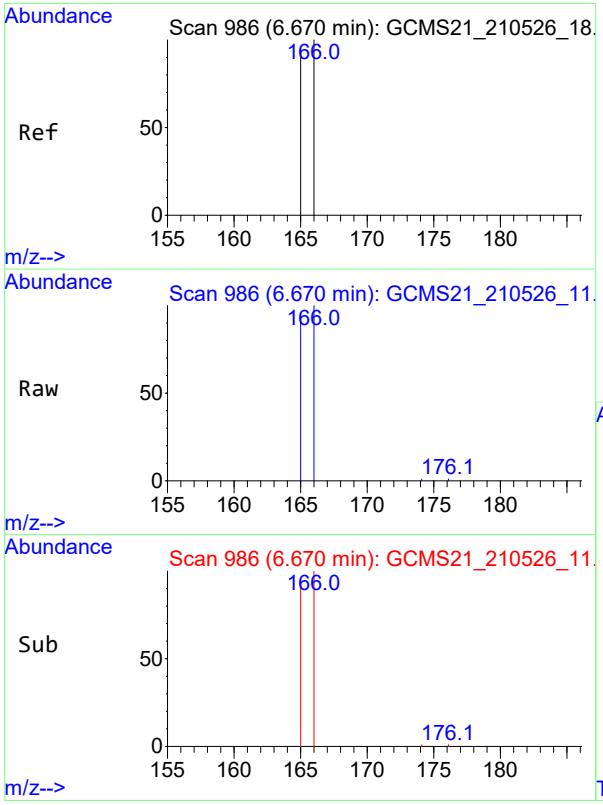


#9
Fluorene-D10
Concen: 10.50 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:176 Resp: 6150

Ion	Ratio	Lower	Upper
176	100		
174	95.0	66.0	122.6

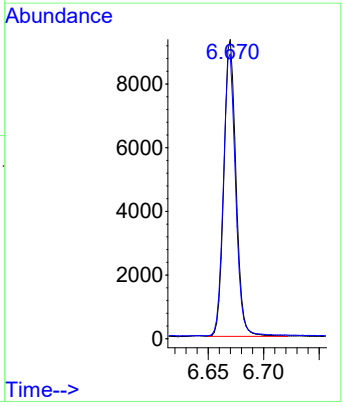


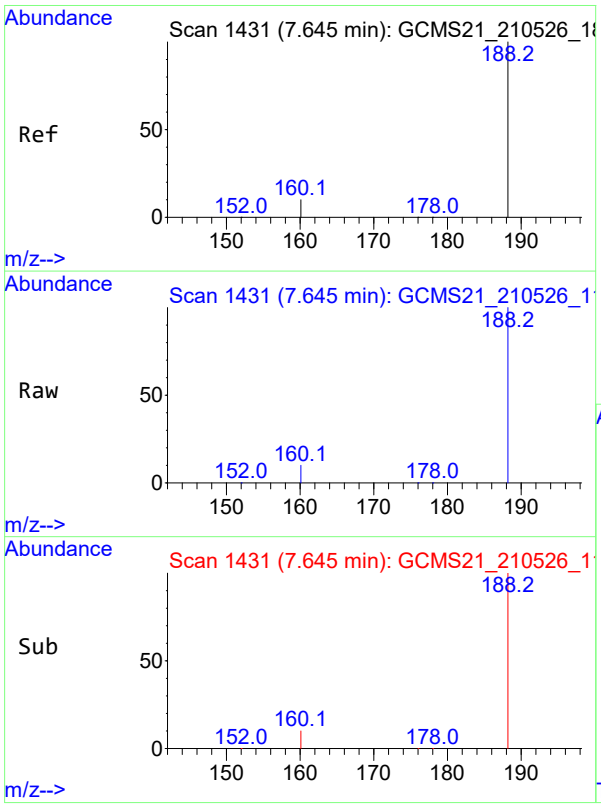


#10
Fluorene
Concen: 10.13 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:166 Resp: 7080

Ion	Ratio	Lower	Upper
166	100		
165	95.9	65.4	125.4

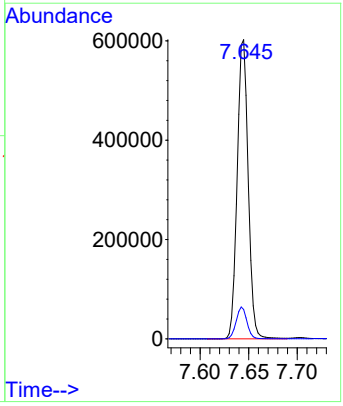


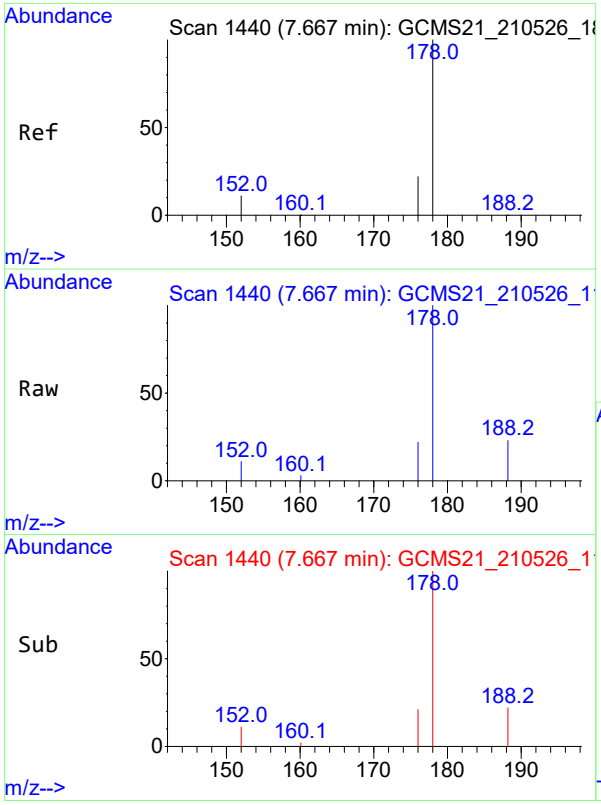


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.002 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:188 Resp: 474229

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

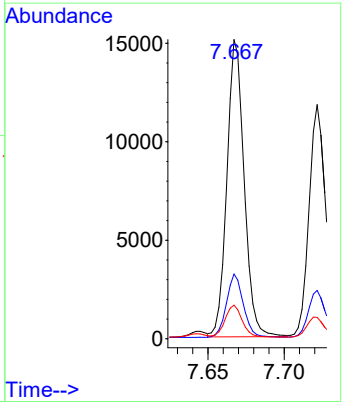


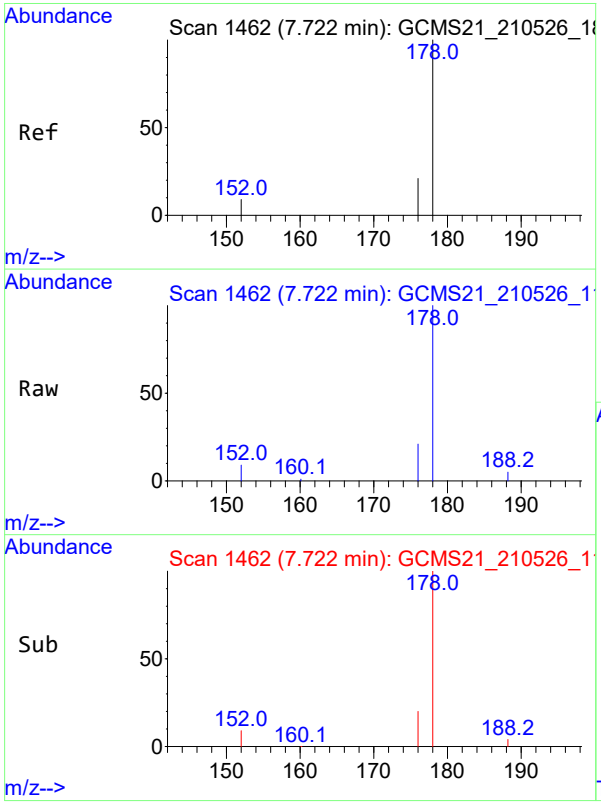


#12
Phenanthrene
Concen: 6.54 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:178 Resp: 11864

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	10.6	0.0	40.7

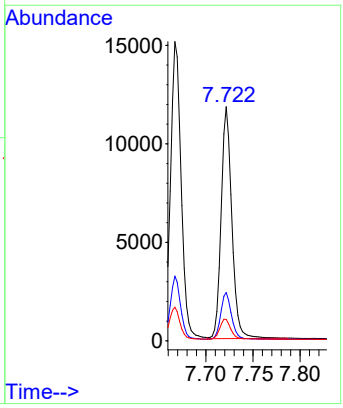


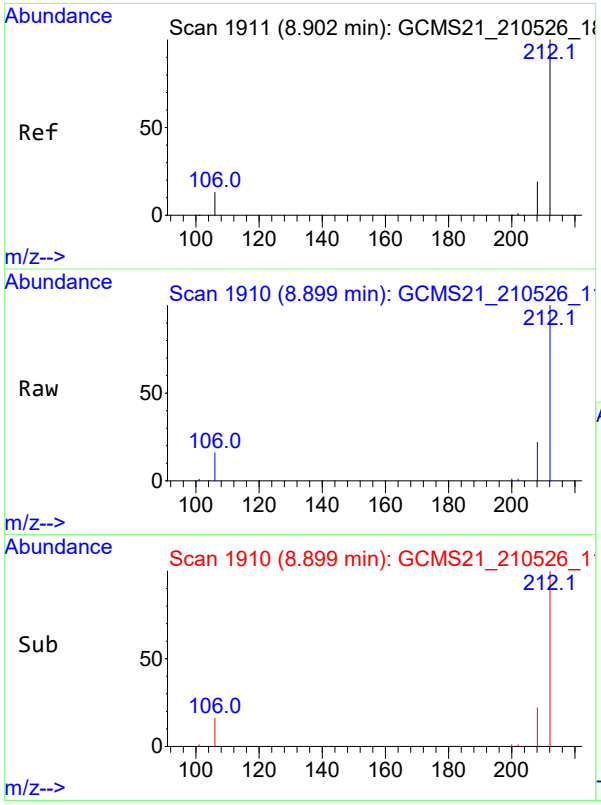


#13
Anthracene
Concen: 9.28 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:178 Resp: 9282

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.2
152	8.8	0.0	38.7

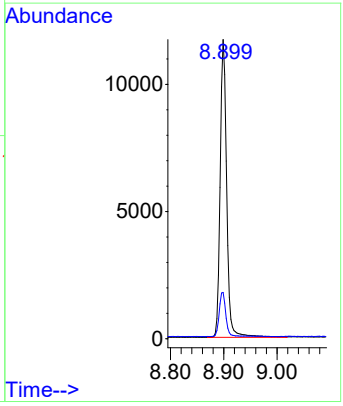


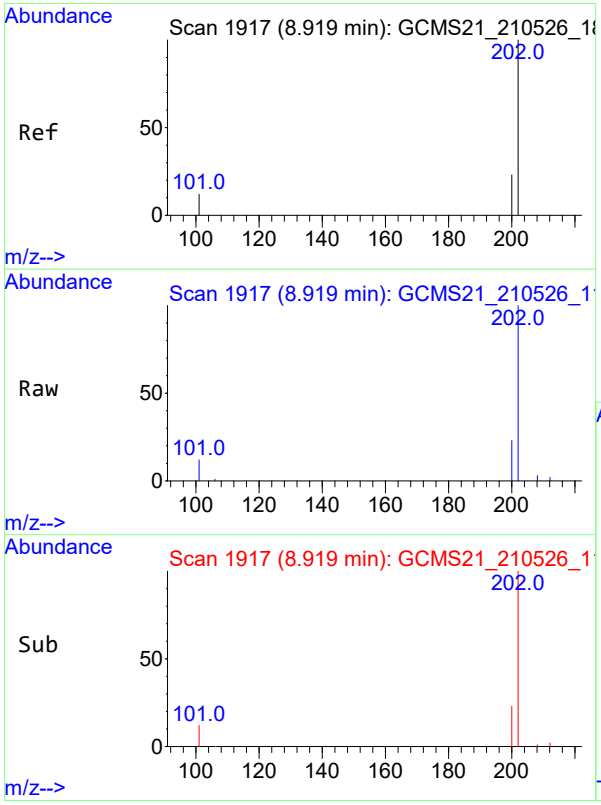


#14
Fluoranthene-D10
Concen: 9.38 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:212 Resp: 9942

Ion	Ratio	Lower	Upper
212	100		
106	15.1	10.6	19.6

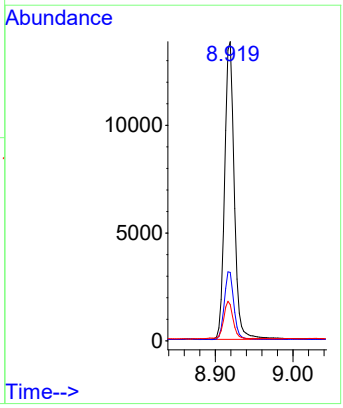


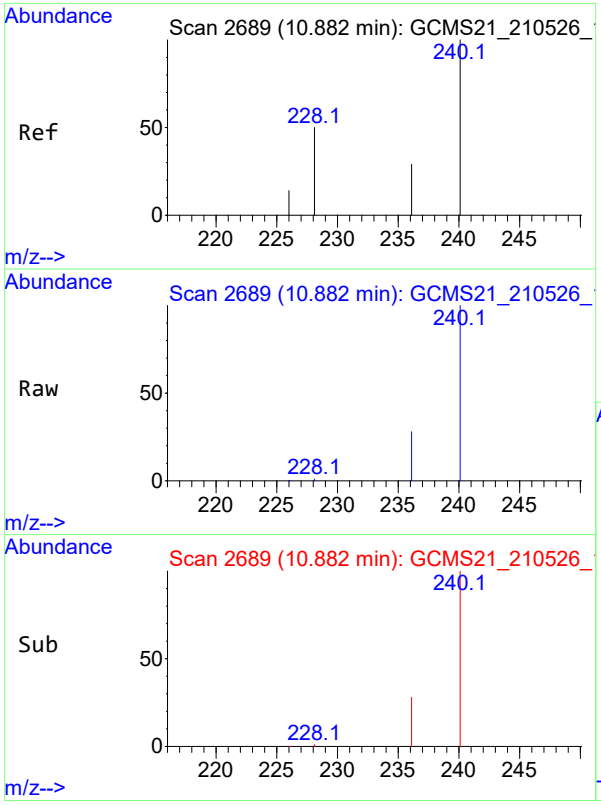


#15
Fluoranthene
Concen: 9.92 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:202 Resp: 11910

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.2
101	12.6	0.0	42.4

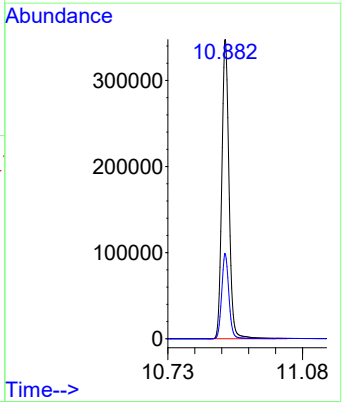


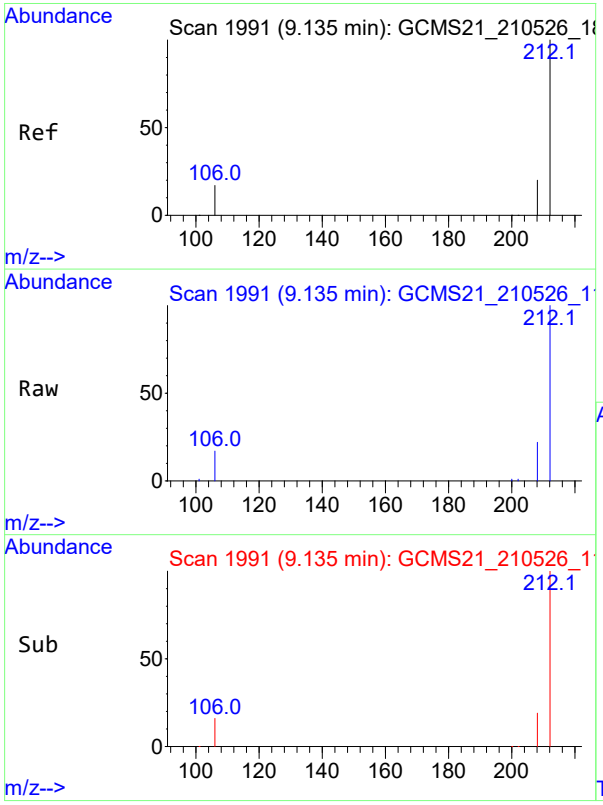


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:240 Resp: 457387

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

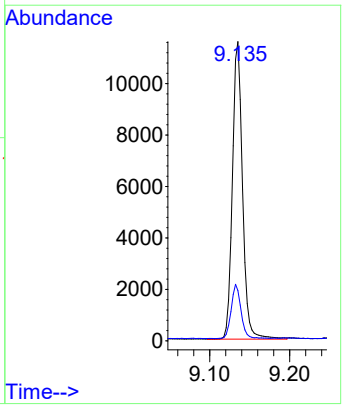


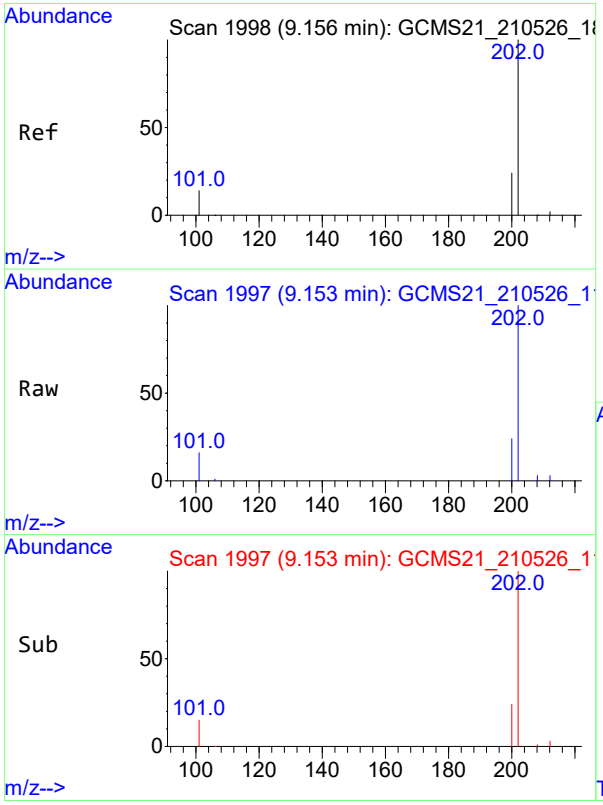


#17
Pyrene-D10
Concen: 9.73 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:212 Resp: 10147

Ion	Ratio	Lower	Upper
212	100		
106	17.8	12.2	22.6

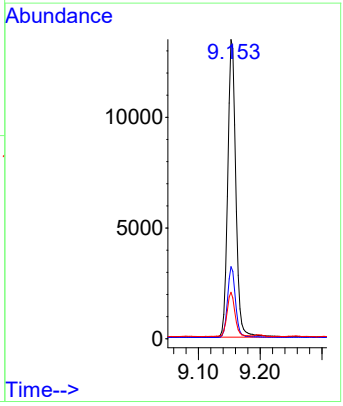


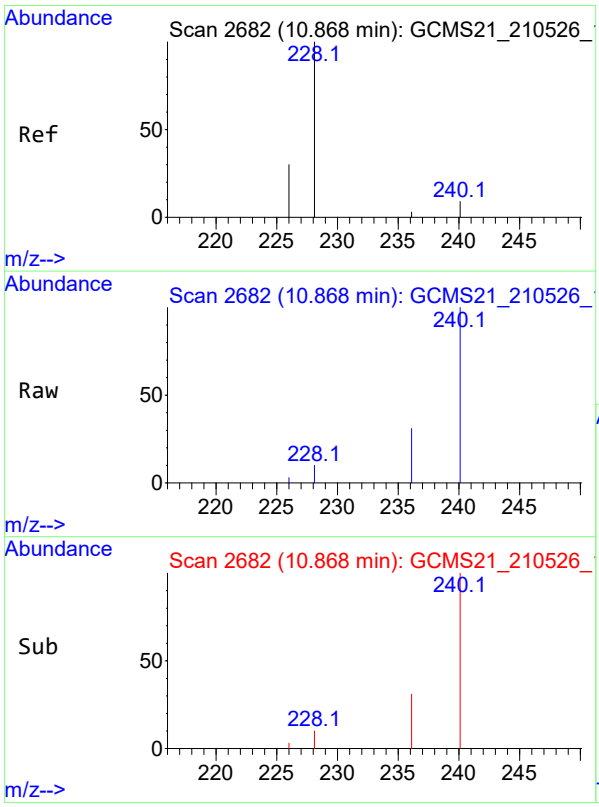


#18
Pyrene
Concen: 10.52 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:202 Resp: 12235

Ion	Ratio	Lower	Upper
202	100		
200	23.7	0.0	53.6
101	14.8	0.0	44.4

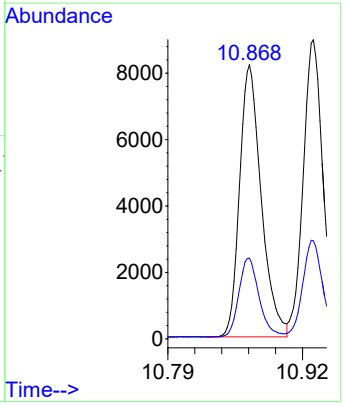


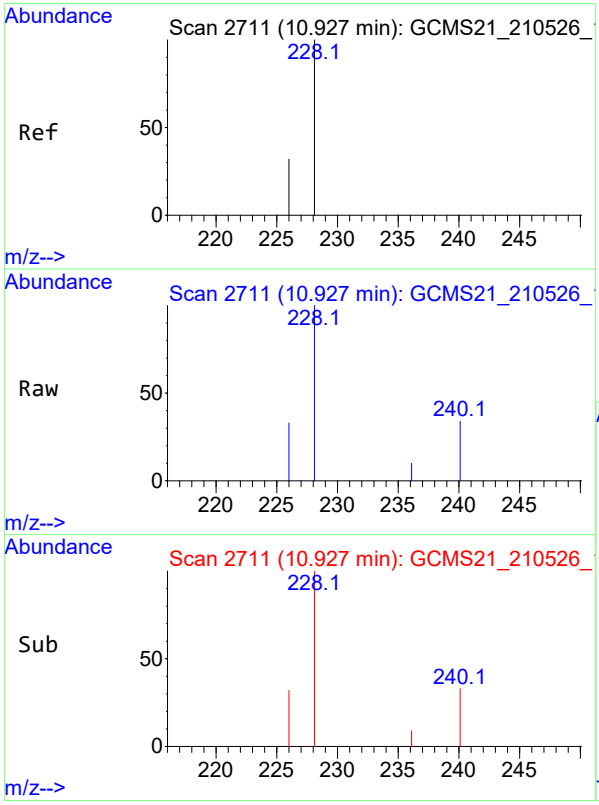


#19
Benzo(a)anthracene
Concen: 12.42 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:228 Resp: 11435

Ion	Ratio	Lower	Upper
228	100		
226	27.0	0.0	59.6

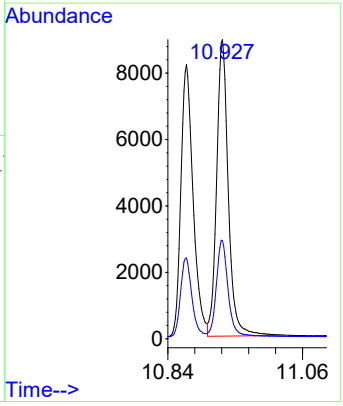


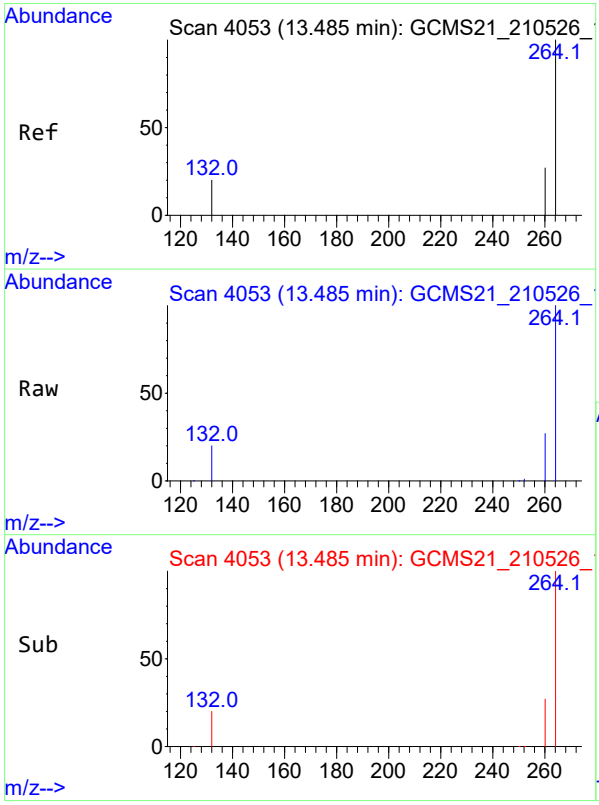


#20
Chrysene
Concen: 11.27 ng/mL
RT: 10.927 min Scan# 2711
Delta R.T. 0.002 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:228 Resp: 11908

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.5	62.5

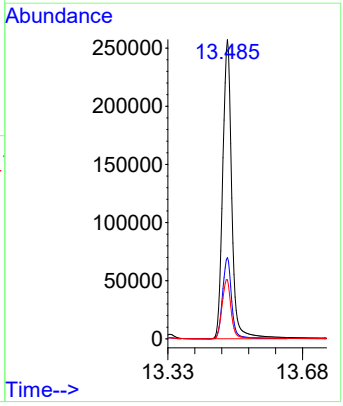


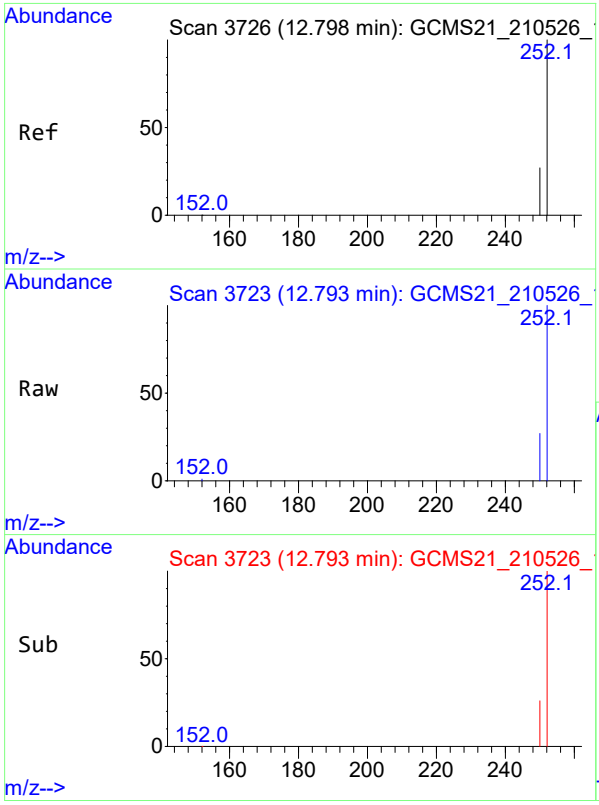


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:264 Resp: 429893

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	20.1	0.0	49.9

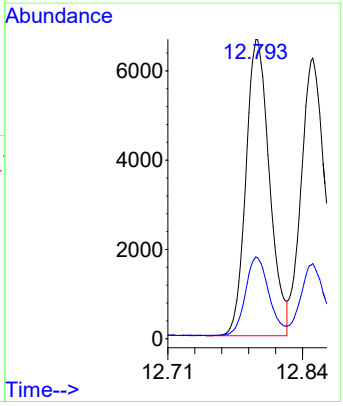


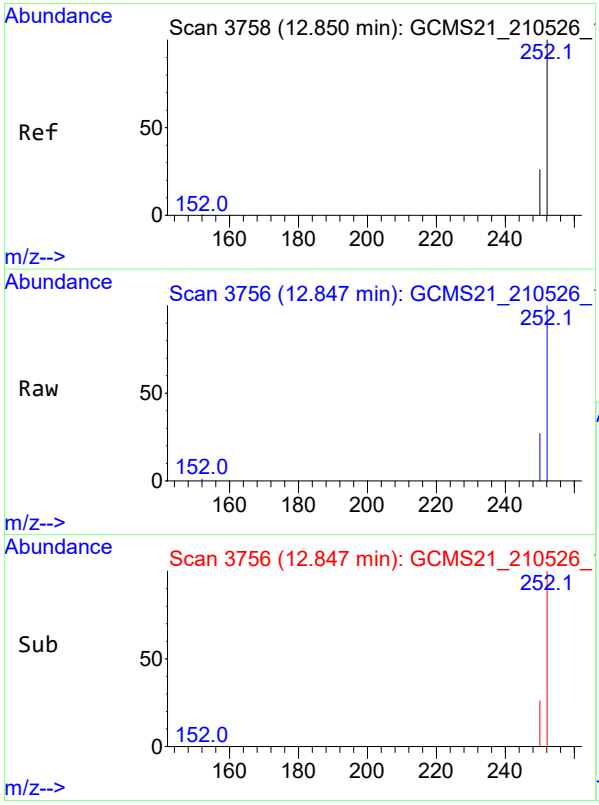


#22
Benzo(b)fluoranthene
Concen: 12.10 ng/mL
RT: 12.793 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 10242

Ion	Ratio	Lower	Upper
252	100		
250	26.4	0.0	56.2

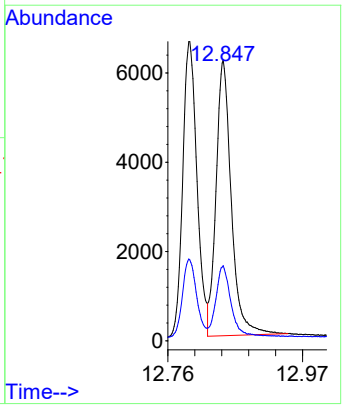


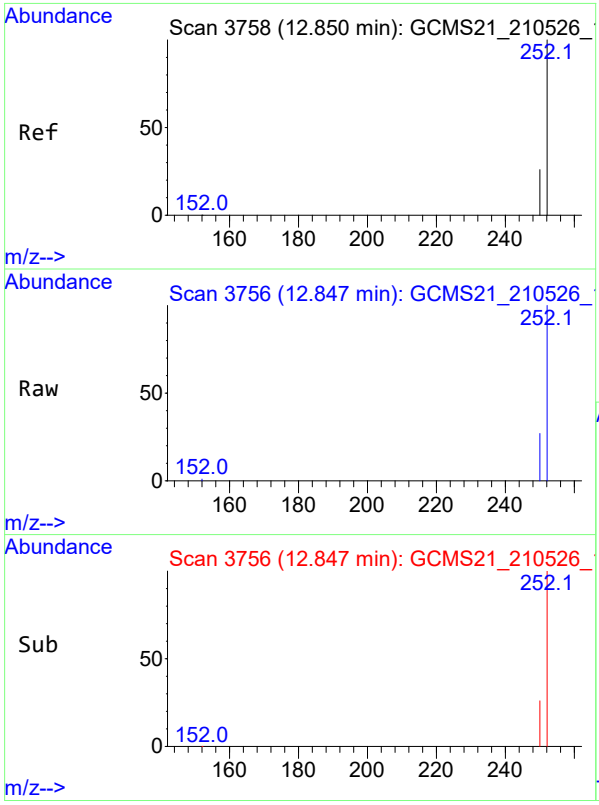


#23
Benzo(k)fluoranthene
Concen: 10.76 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 10149

Ion	Ratio	Lower	Upper
252	100		
250	23.2	0.0	55.4

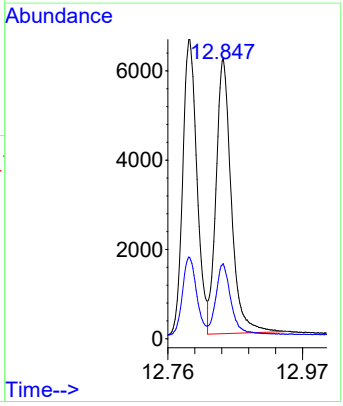


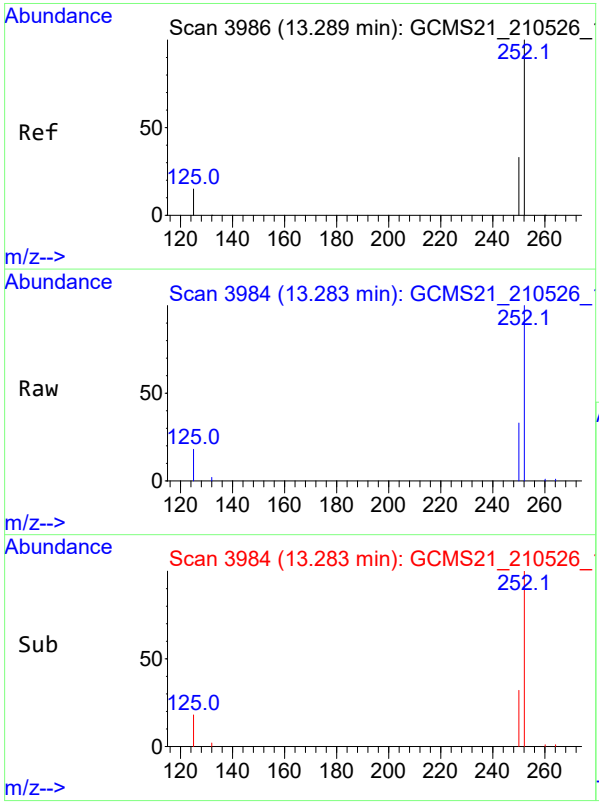


#24
benzo(b+k)fluoranthene (sum)
Concen: 11.27 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 10149

Ion	Ratio	Lower	Upper
252	100		
250	23.2	0.0	56.3

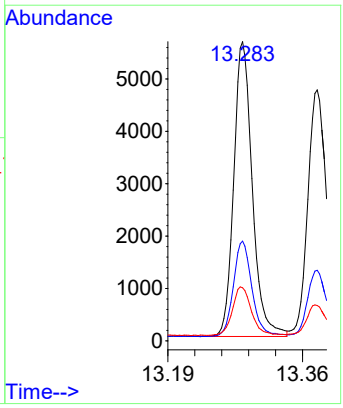


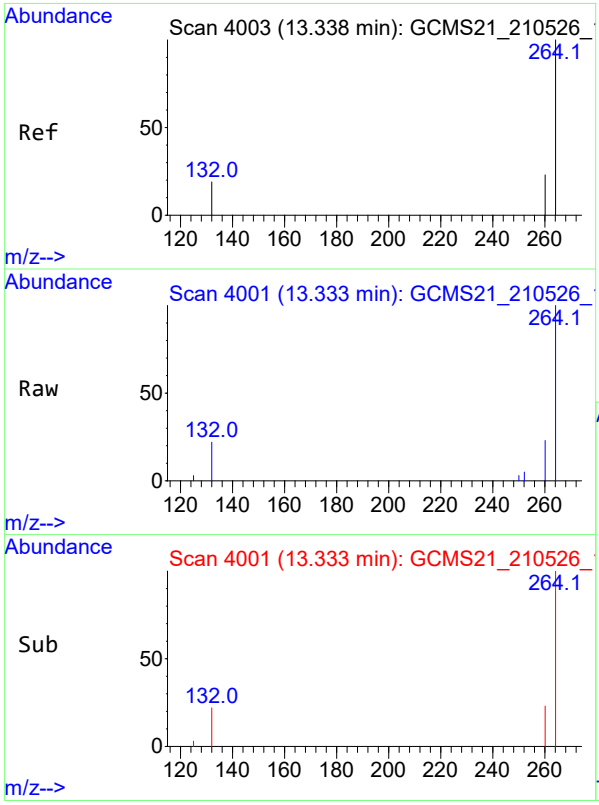


#25
Benzo(e)pyrene
Concen: 10.39 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 9070

Ion	Ratio	Lower	Upper
252	100		
250	32.9	2.4	62.4
125	16.9	0.0	46.0

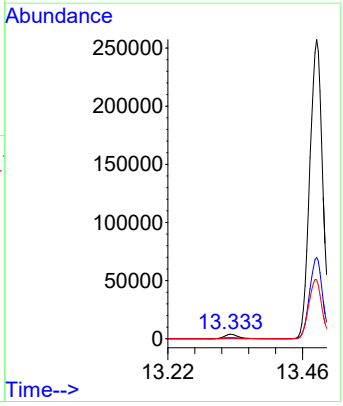


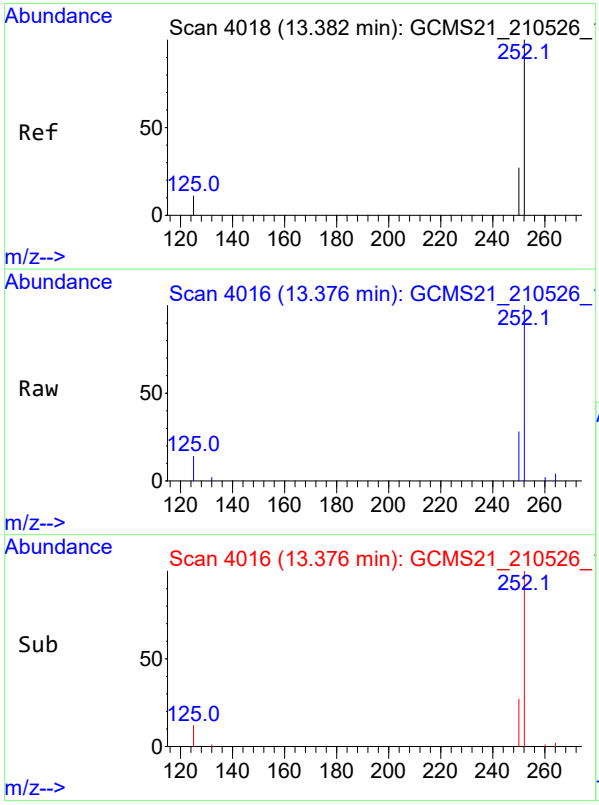


#26
Benzo(a)pyrene-D12
Concen: 8.79 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:264 Resp: 6513

Ion	Ratio	Lower	Upper
264	100		
260	22.4	0.0	52.7
132	19.9	0.0	49.5

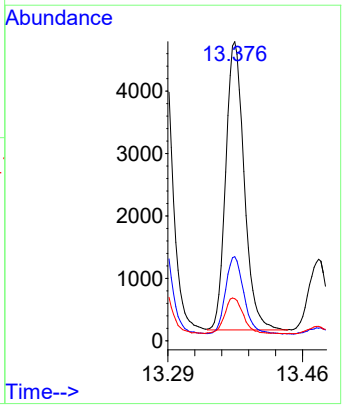


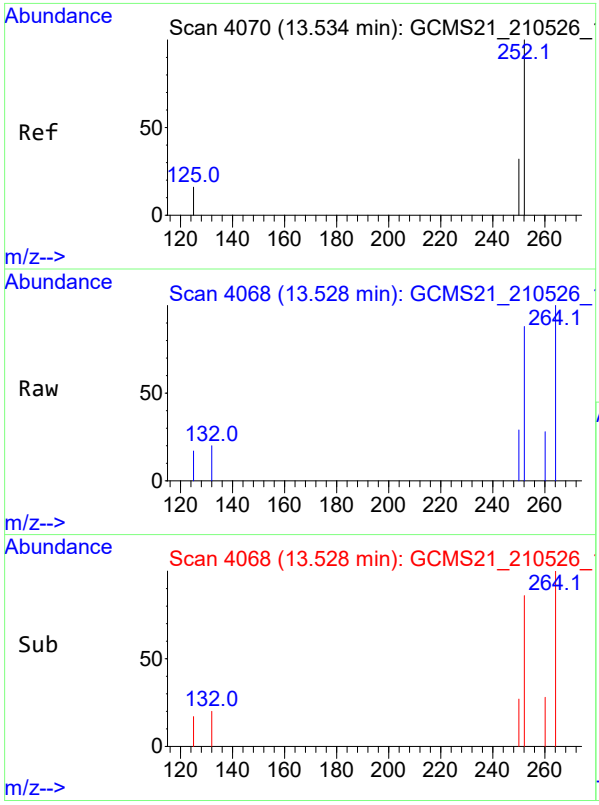


#27
Benzo(a)pyrene
Concen: 9.01 ng/mL
RT: 13.376 min Scan# 4016
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 7619

Ion	Ratio	Lower	Upper
252	100		
250	27.3	0.0	57.2
125	12.7	0.0	42.3

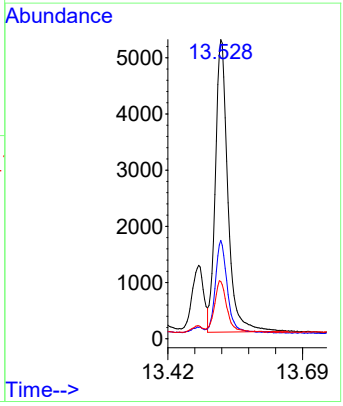


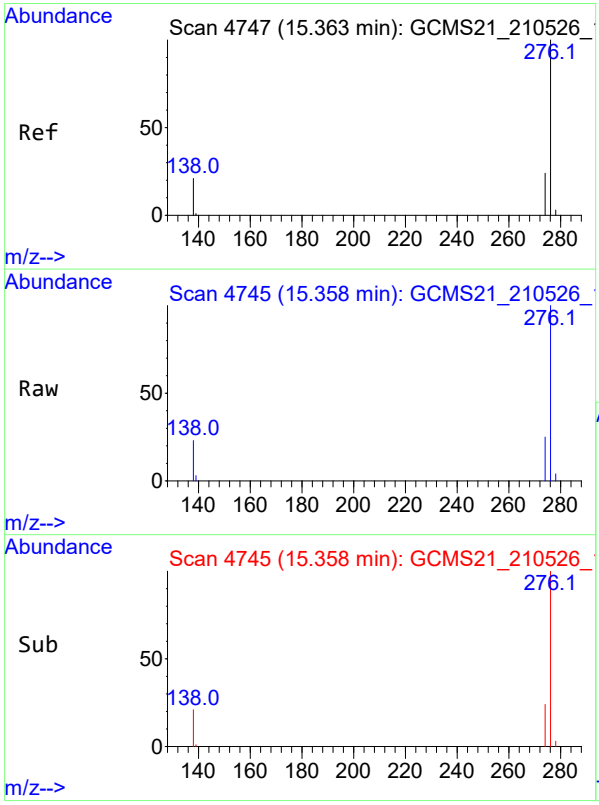


#28
Perylene
Concen: 9.79 ng/mL
RT: 13.528 min Scan# 4068
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:252 Resp: 8980

Ion	Ratio	Lower	Upper
252	100		
250	29.6	1.1	61.1
125	16.9	0.0	46.2

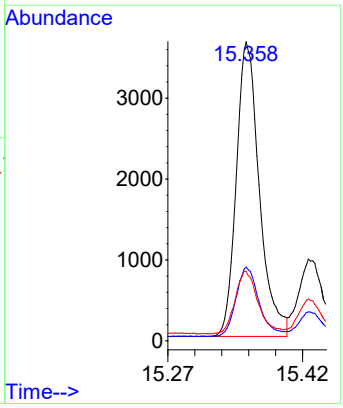


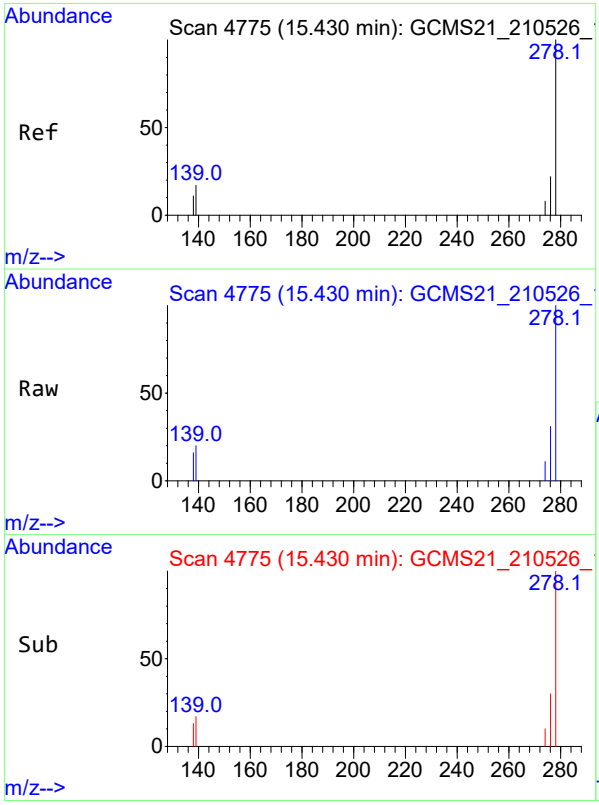


#29
Indeno(1,2,3-cd)pyrene
Concen: 9.00 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. -0.000 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:276 Resp: 6545

Ion	Ratio	Lower	Upper
276	100		
274	23.4	0.0	53.7
138	21.1	0.0	51.1

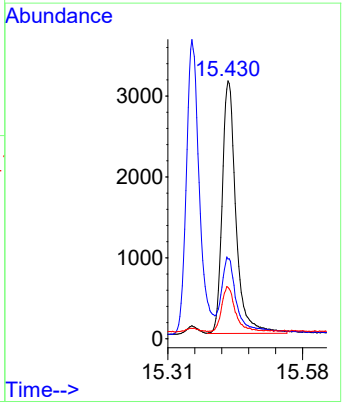


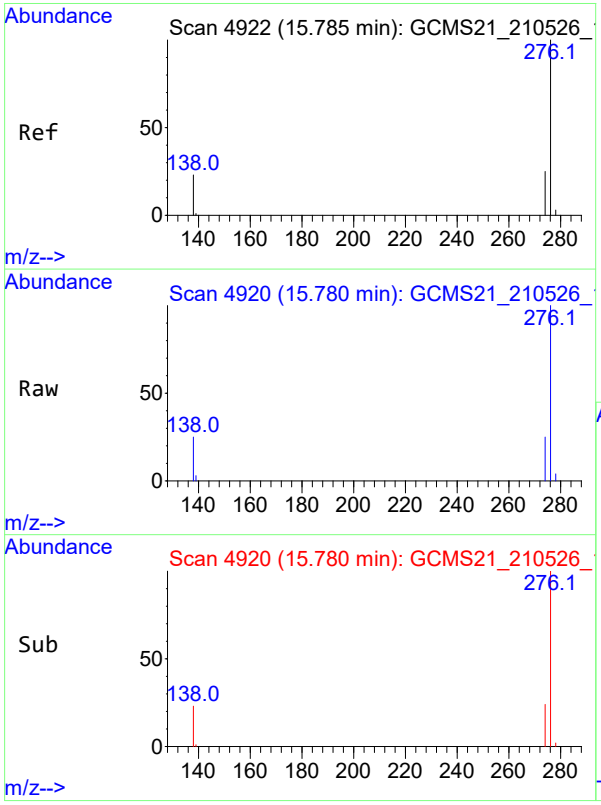


#30
Dibenz(a,h)anthracene
Concen: 7.71 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:278 Resp: 5961

Ion	Ratio	Lower	Upper
278	100		
276	31.6	2.7	62.7
139	17.3	0.0	47.4

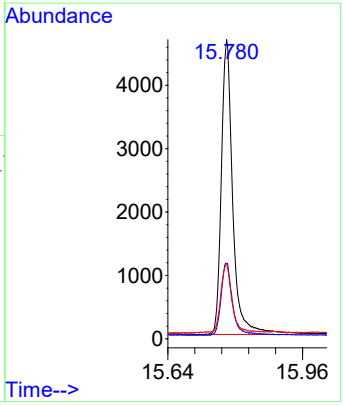




#31
Benzo(g,h,i)perylene
Concen: 9.76 ng/mL
RT: 15.780 min Scan# 4920
Delta R.T. 0.002 min
Lab File: GCMS21_210526_11.D
Acq: 26 May 2021 15:07

Tgt Ion:276 Resp: 8794

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	54.7
138	21.9	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_12.D
Acq On : 26 May 2021 15:32
Operator : MN GCMS21
Sample : CAL4_25ng/mL
Misc : LIMS 21B0104
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 11:54:12 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

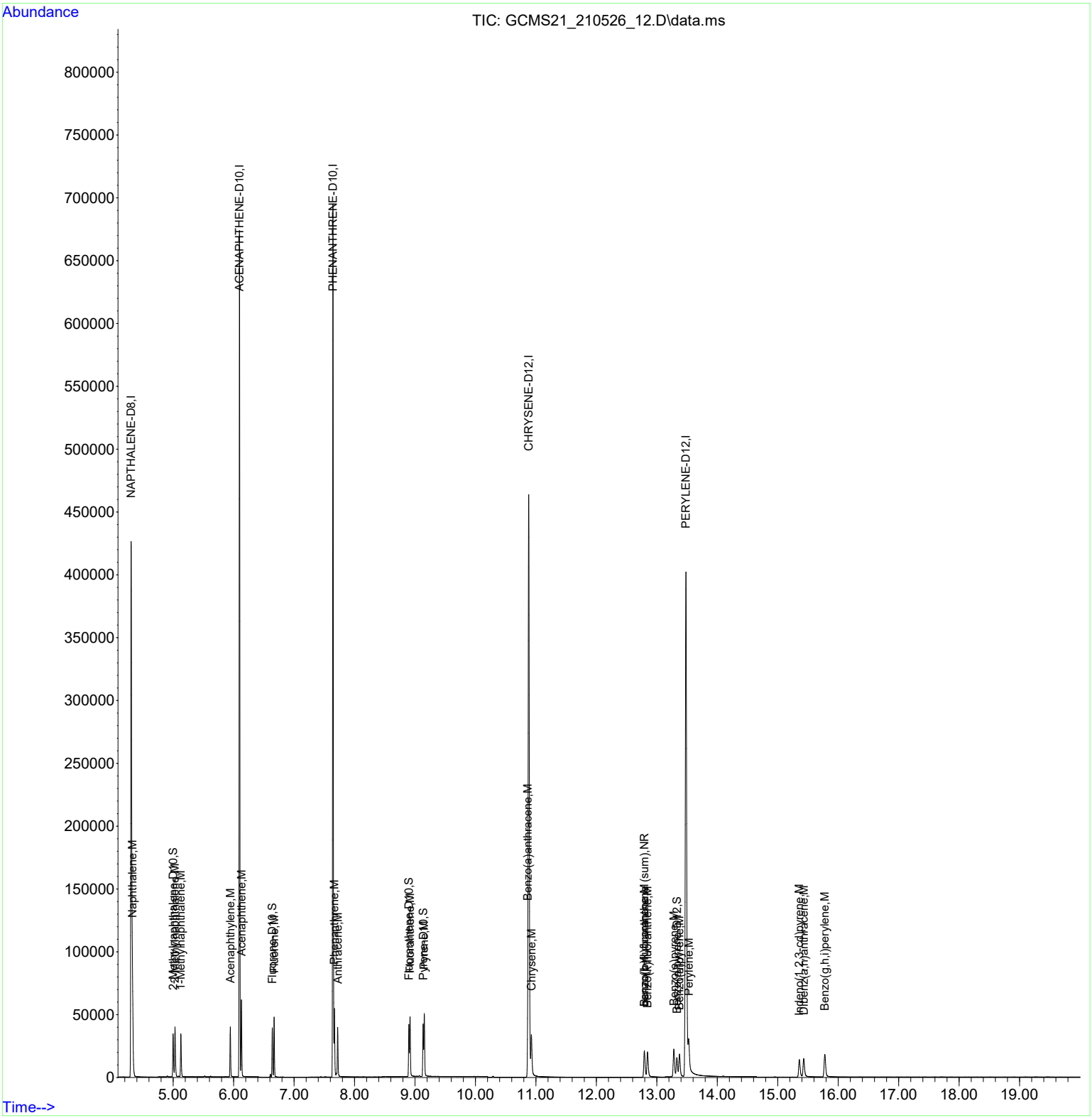
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	459864	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	253646	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	482569	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.880	240	461405	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	438380	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	14983	25.55	ng/mL	0.00
9) Fluorene-D10	6.639	176	15818	26.80	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	26538	24.62	ng/mL	0.00
17) Pyrene-D10	9.135	212	27389	26.02	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	17501	23.17	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	24341	27.58	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	16400	26.21	ng/mL	100
5) 1-Methylnaphthalene	5.127	142	13626	24.19	ng/mL	100
7) Acenaphthylene	5.946	152	21608	26.44	ng/mL	100
8) Acenaphthene	6.130	153	16646	26.87	ng/mL	100
10) Fluorene	6.670	166	18039	25.60	ng/mL	100
12) Phenanthrene	7.667	178	30032	23.32	ng/mL	100
13) Anthracene	7.722	178	24477	24.05	ng/mL	100
15) Fluoranthene	8.919	202	30397	24.89	ng/mL	100
18) Pyrene	9.153	202	31639	26.97	ng/mL	100
19) Benzo(a)anthracene	10.866	228	26455	28.49	ng/mL	98
20) Chrysene	10.925	228	30063	28.21	ng/mL	99
22) Benzo(b)fluoranthene	12.794	252	25564	29.62	ng/mL	99
23) Benzo(k)fluoranthene	12.846	252	26327	27.38	ng/mL	98
24) benzo(b+k)fluoranthene...	12.794	252	51797m	56.41	ng/mL	
25) Benzo(e)pyrene	13.283	252	24360	27.37	ng/mL	100
27) Benzo(a)pyrene	13.374	252	19790	22.95	ng/mL	99
28) Perylene	13.529	252	23812	25.45	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.356	276	16975	22.90	ng/mL	100
30) Dibenz(a,h)anthracene	15.430	278	15734	19.96	ng/mL	96
31) Benzo(g,h,i)perylene	15.778	276	22855	24.88	ng/mL	99

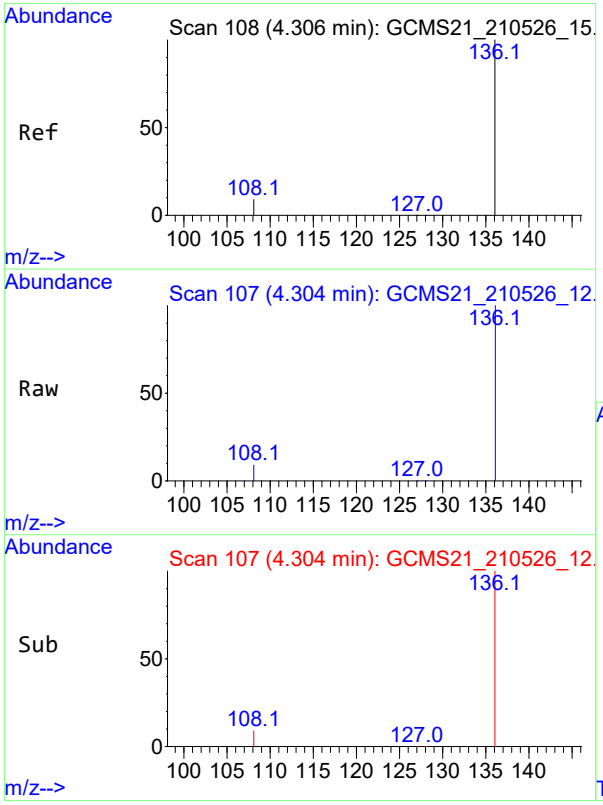
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_12.D
Acq On : 26 May 2021 15:32
Operator : MN GCMS21
Sample : CAL4_25ng/mL
Misc : LIMS 21B0104
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 11:54:12 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

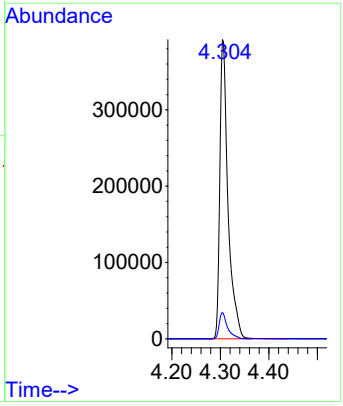


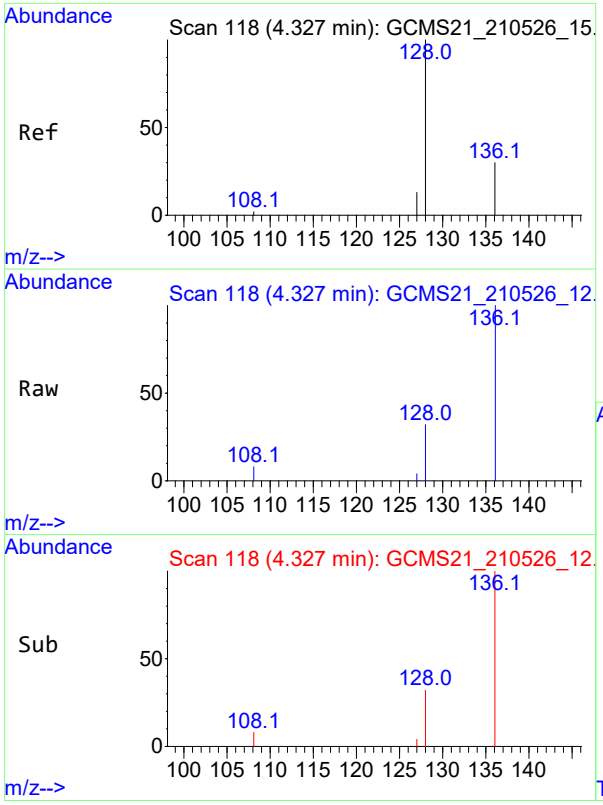


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:136 Resp: 459864

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	29.0

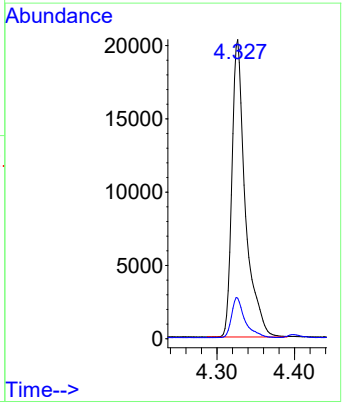


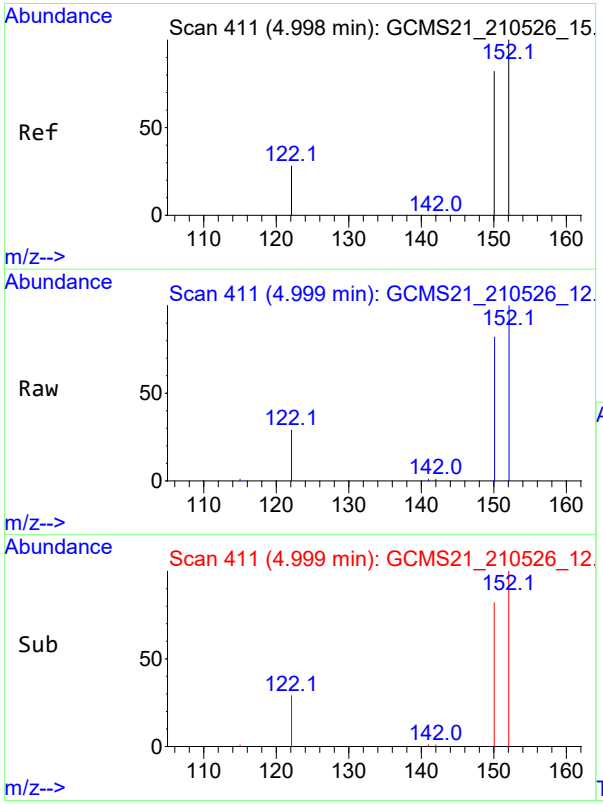


#2
Naphthalene
Concen: 27.58 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:128 Resp: 24341

Ion	Ratio	Lower	Upper
128	100		
127	13.5	0.0	43.4

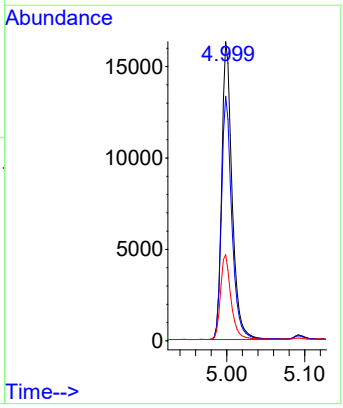


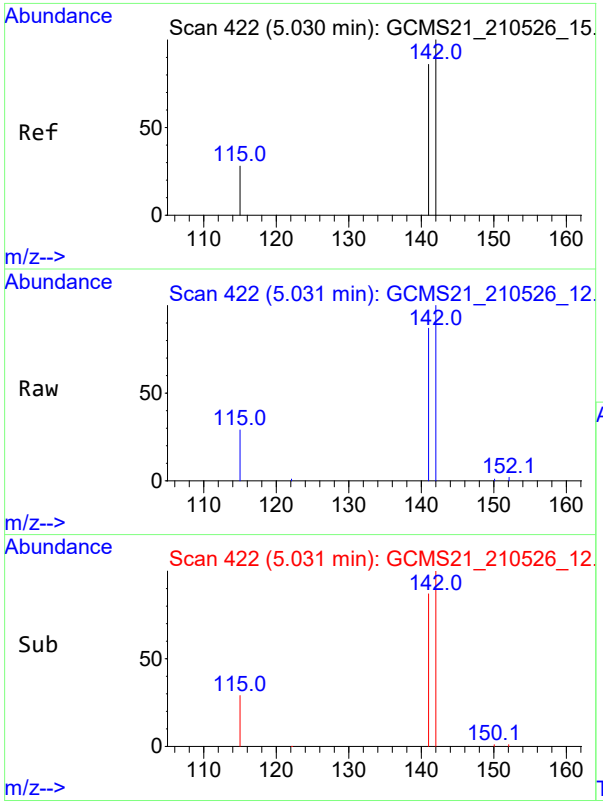


#3
2-Methylnaphthalene-D10
Concen: 25.55 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:152 Resp: 14983

Ion	Ratio	Lower	Upper
152	100		
150	82.0	57.5	106.7
122	28.7	20.1	37.3

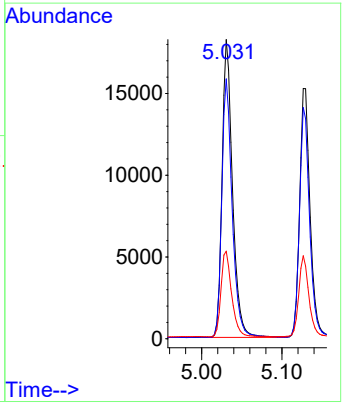


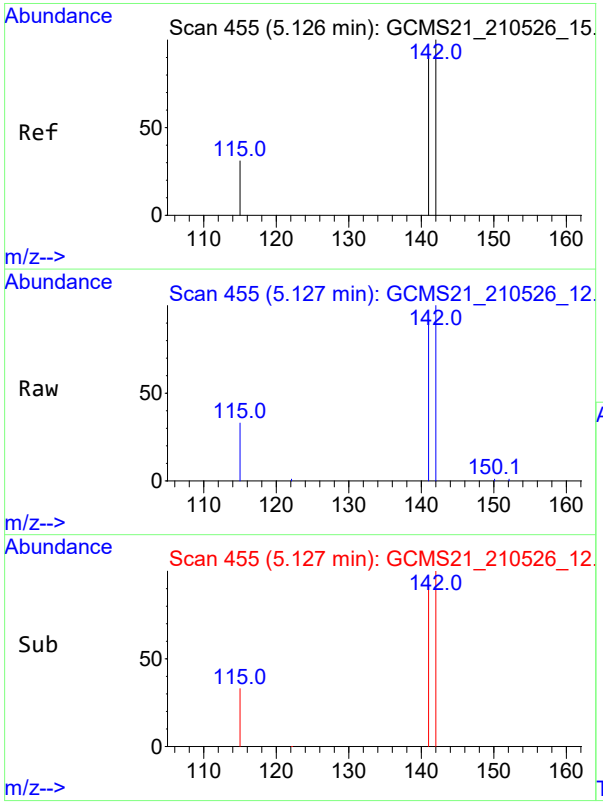


#4
2-Methylnaphthalene
Concen: 26.21 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:142 Resp: 16400

Ion	Ratio	Lower	Upper
142	100		
141	87.0	56.5	116.5
115	29.5	0.0	59.3

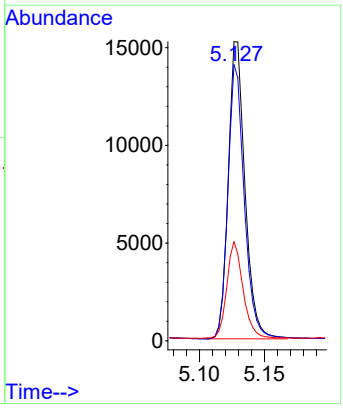


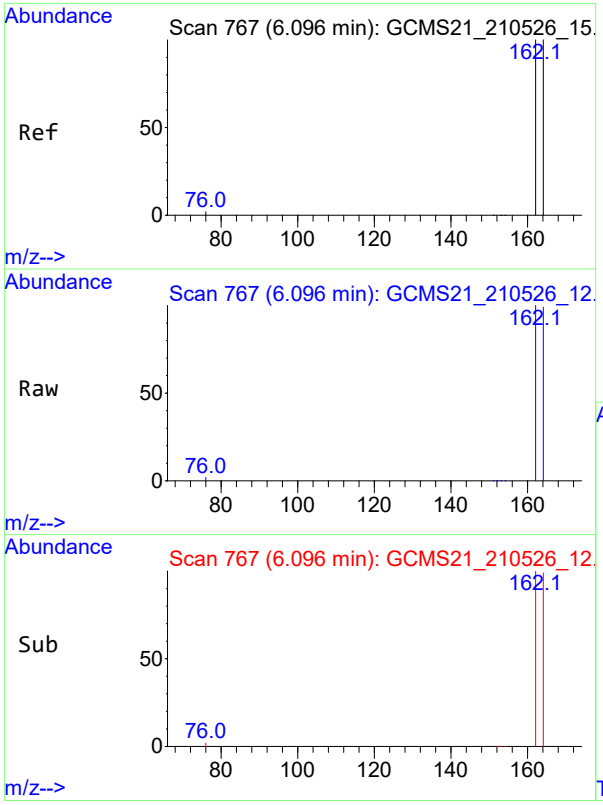


#5
1-Methylnaphthalene
Concen: 24.19 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:142 Resp: 13626

Ion	Ratio	Lower	Upper
142	100		
141	89.8	59.6	119.6
115	31.6	1.2	61.2

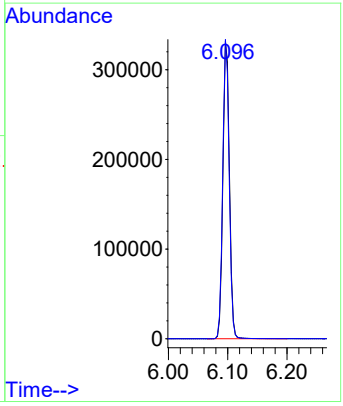


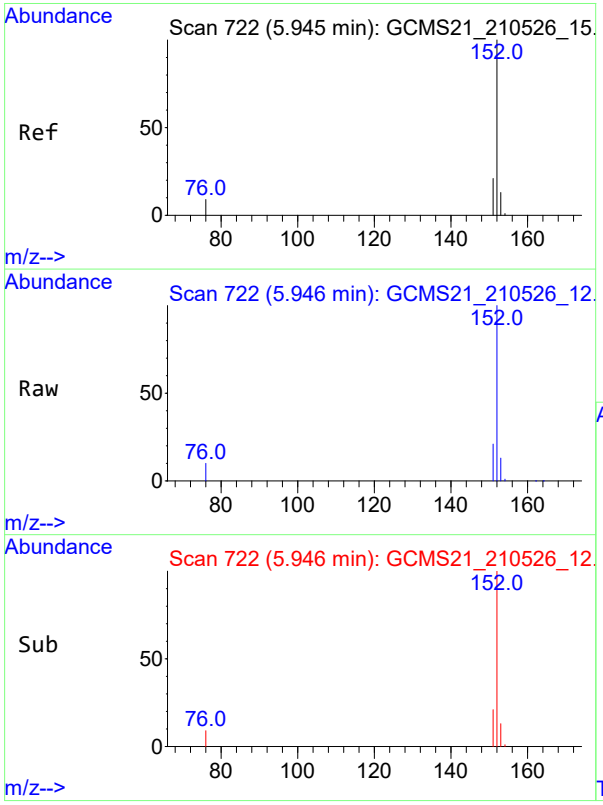


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:164 Resp: 253646

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.5	119.5

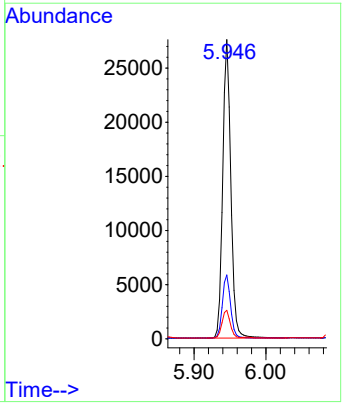


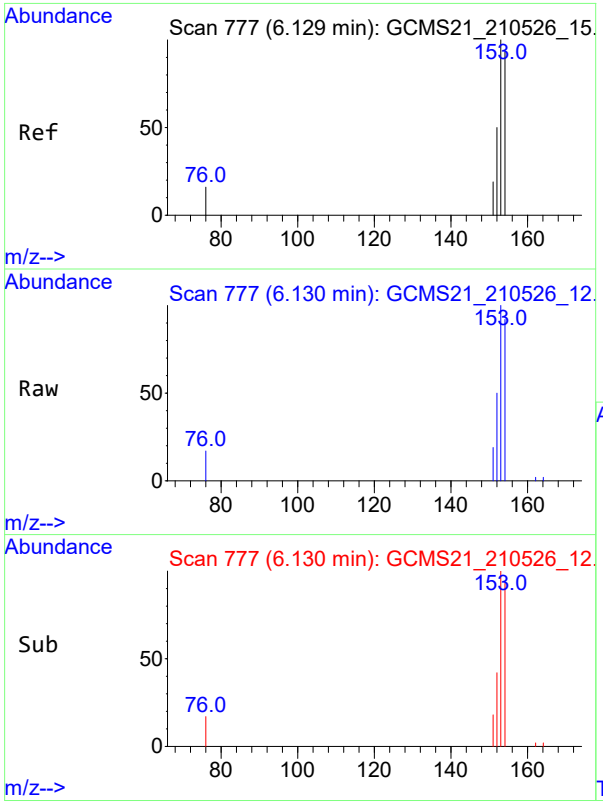


#7
Acenaphthylene
Concen: 26.44 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:152 Resp: 21608

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	51.5
76	9.3	0.0	39.5

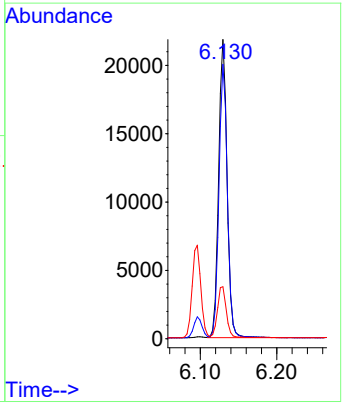


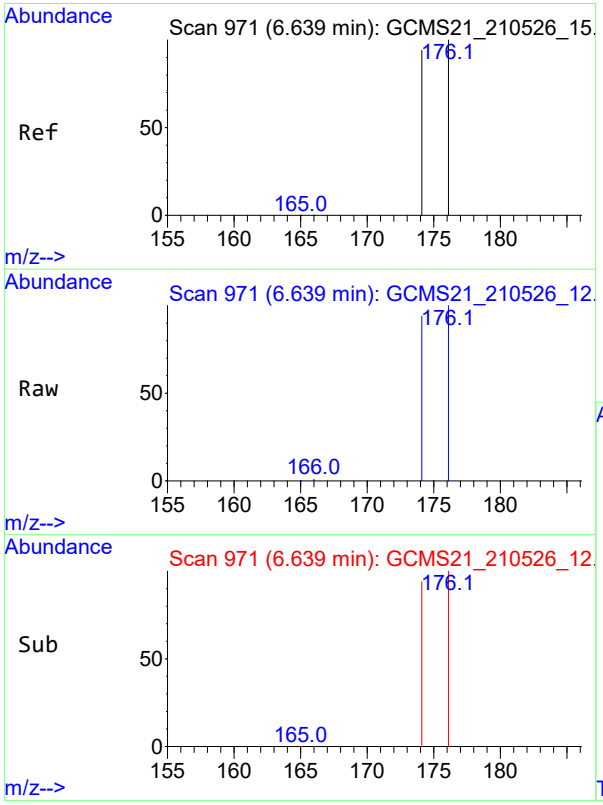


#8
Acenaphthene
Concen: 26.87 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:153 Resp: 16646

Ion	Ratio	Lower	Upper
153	100		
154	91.6	61.9	121.9
76	17.8	0.0	47.6

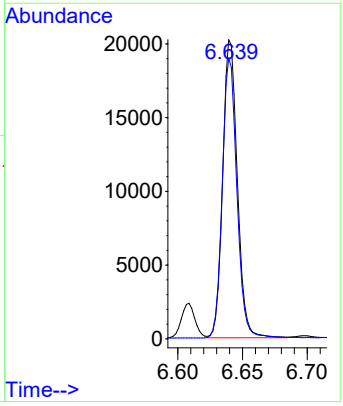


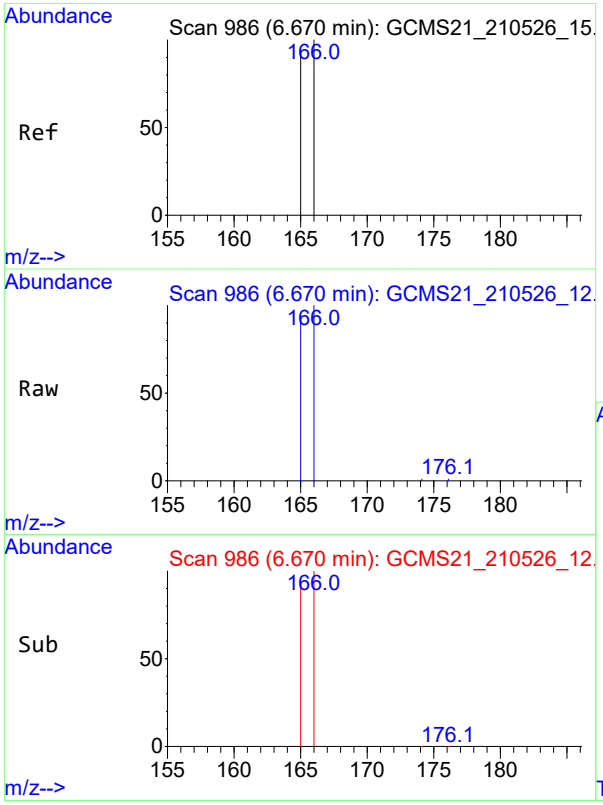


#9
Fluorene-D10
Concen: 26.80 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:176 Resp: 15818

Ion	Ratio	Lower	Upper
176	100		
174	94.0	66.0	122.6

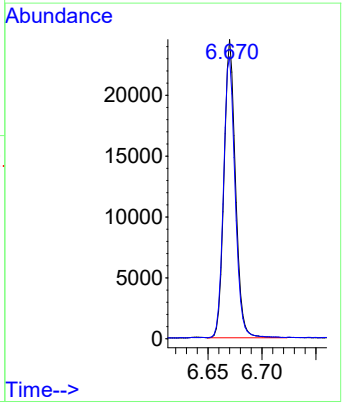


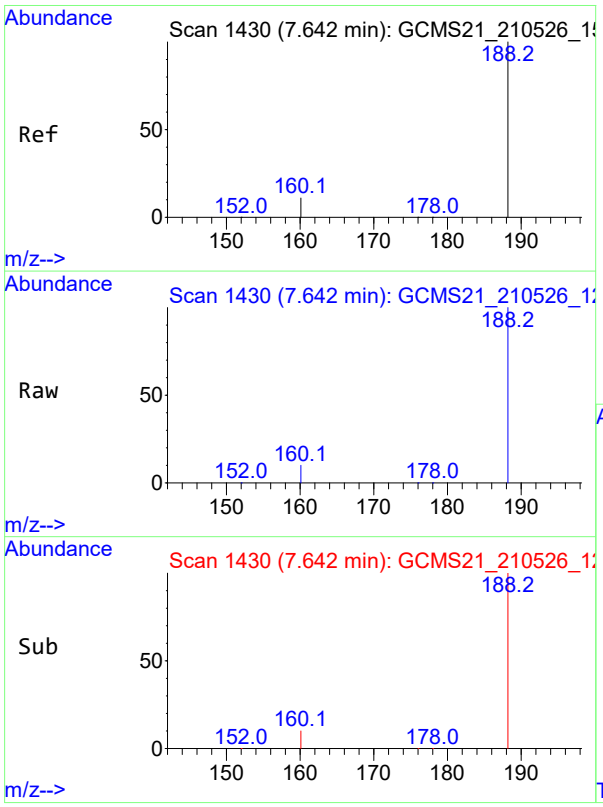


#10
Fluorene
Concen: 25.60 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:166 Resp: 18039

Ion	Ratio	Lower	Upper
166	100		
165	95.6	65.4	125.4

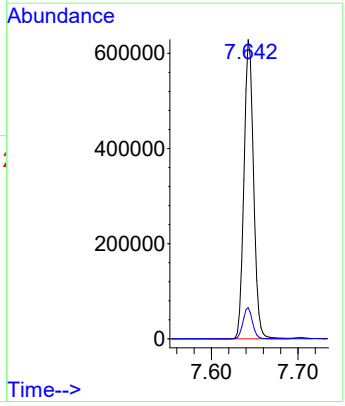


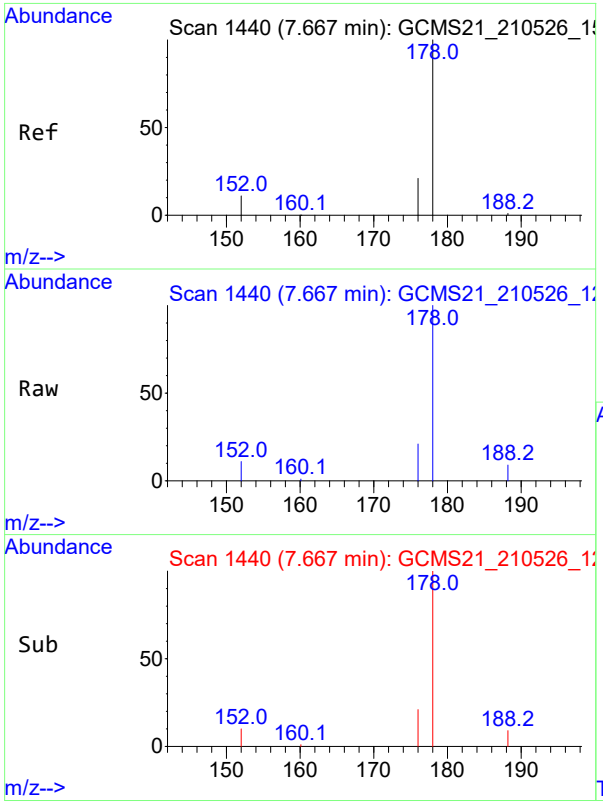


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:188 Resp: 482569

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

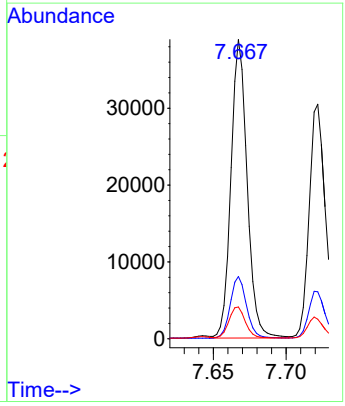


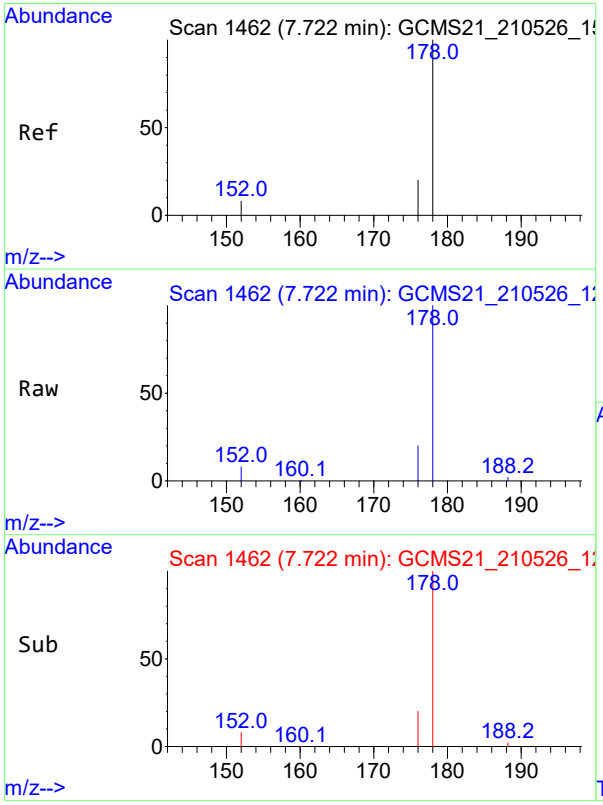


#12
Phenanthrene
Concen: 23.32 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:178 Resp: 30032

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	50.9
152	10.7	0.0	40.7

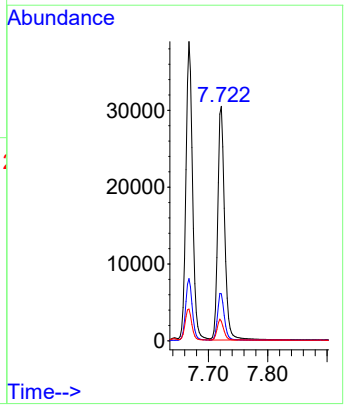


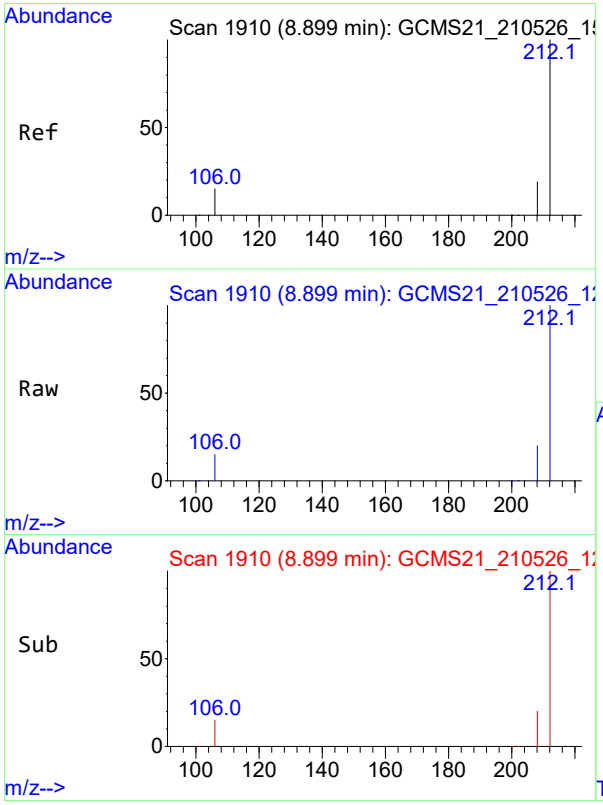


#13
Anthracene
Concen: 24.05 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:178 Resp: 24477

Ion	Ratio	Lower	Upper
178	100		
176	20.0	0.0	50.2
152	8.7	0.0	38.7

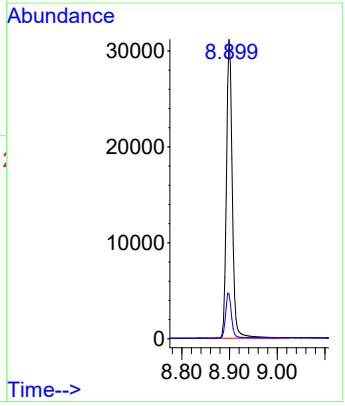


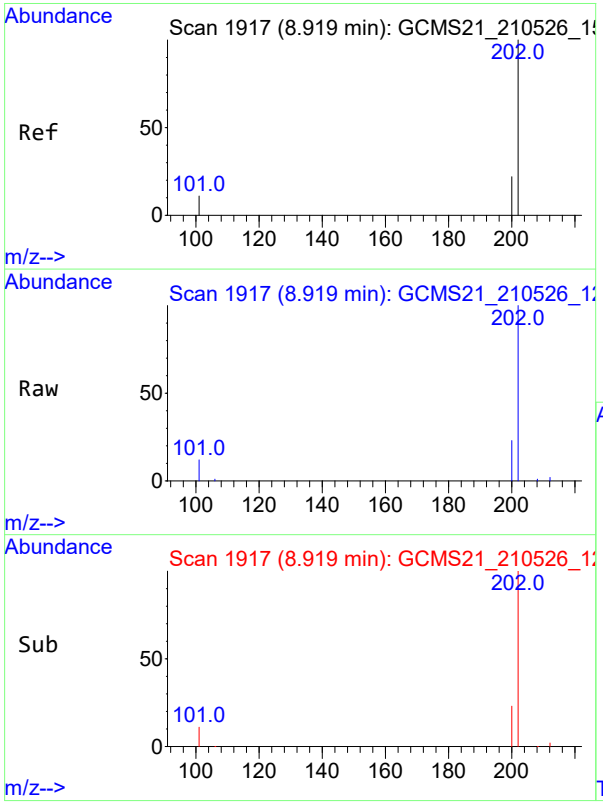


#14
Fluoranthene-D10
Concen: 24.62 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:212 Resp: 26538

Ion	Ratio	Lower	Upper
212	100		
106	15.0	10.6	19.6

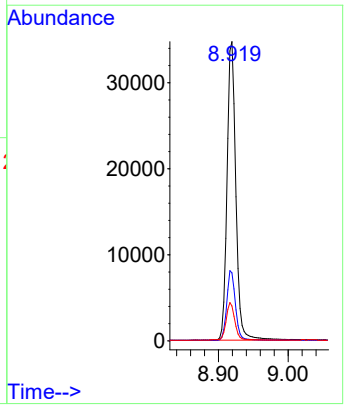


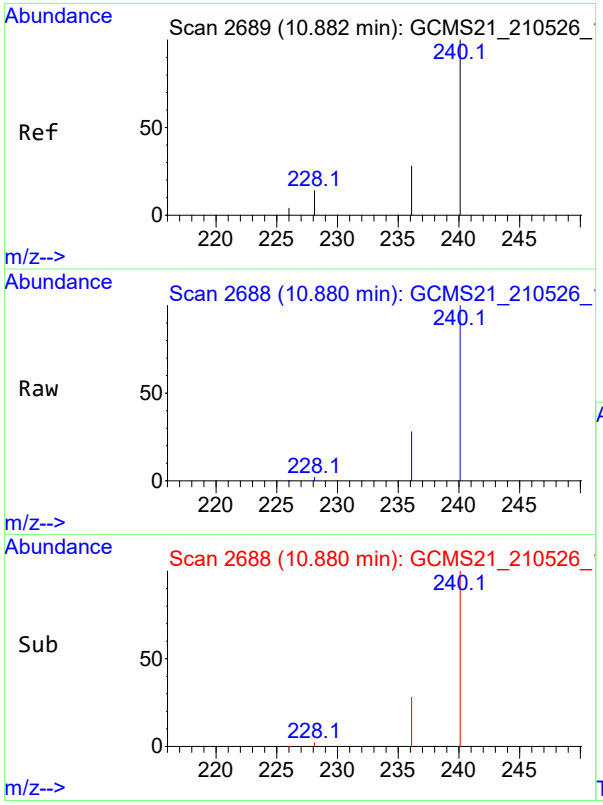


#15
Fluoranthene
Concen: 24.89 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:202 Resp: 30397

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.6	0.0	42.4

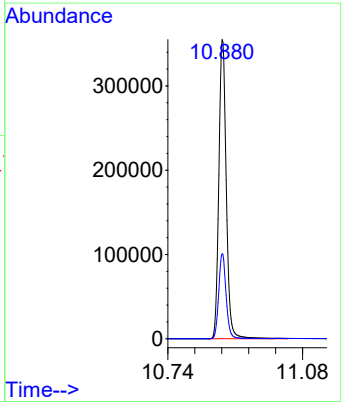


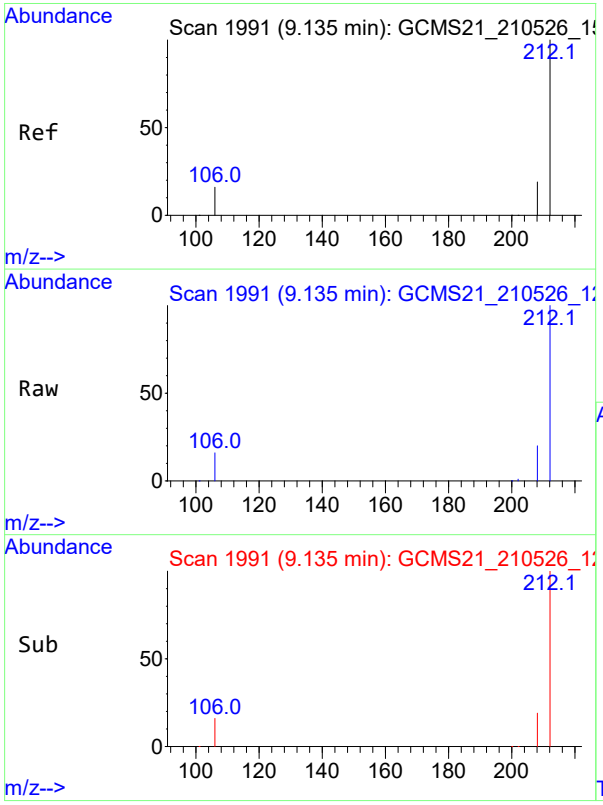


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.880 min Scan# 2688
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:240 Resp: 461405

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

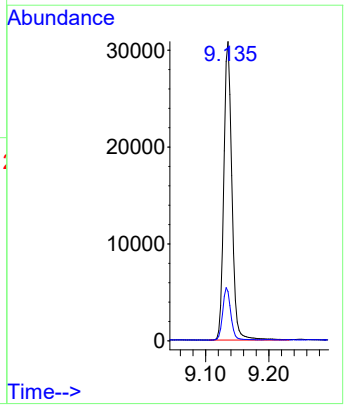


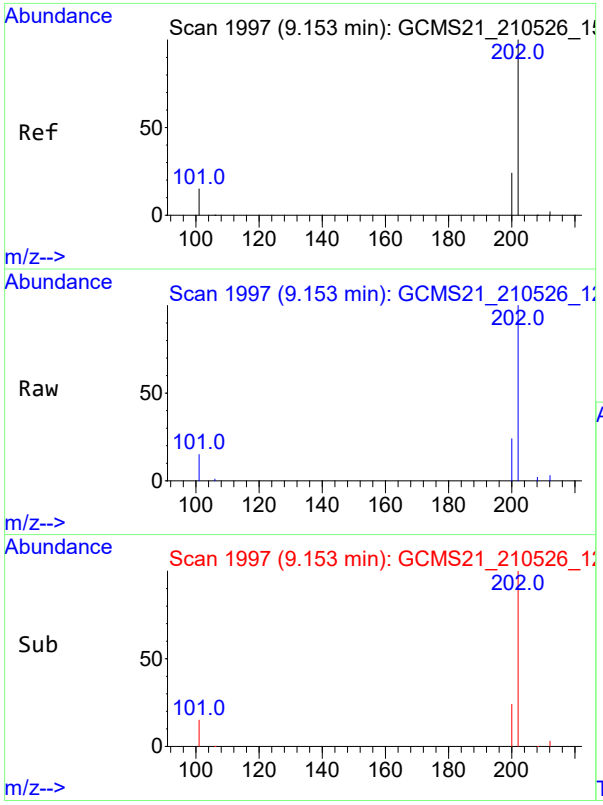


#17
Pyrene-D10
Concen: 26.02 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:212 Resp: 27389

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.2	22.6

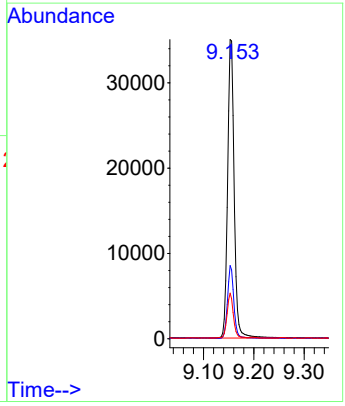


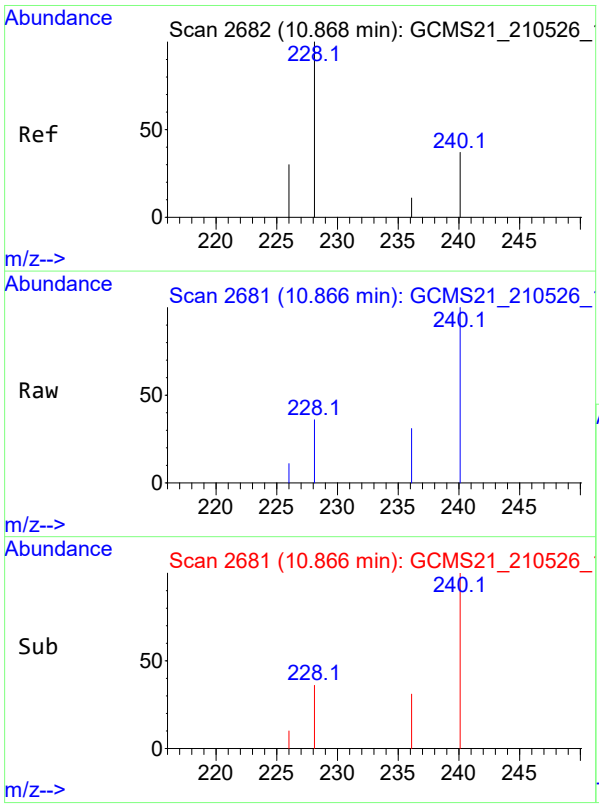


#18
Pyrene
Concen: 26.97 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:202 Resp: 31639

Ion	Ratio	Lower	Upper
202	100		
200	23.4	0.0	53.6
101	14.4	0.0	44.4

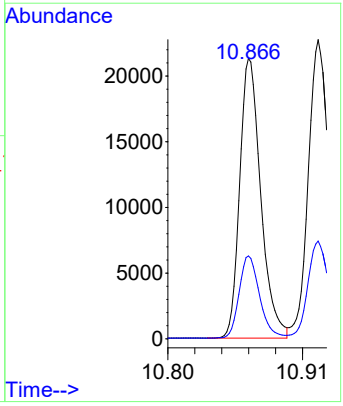


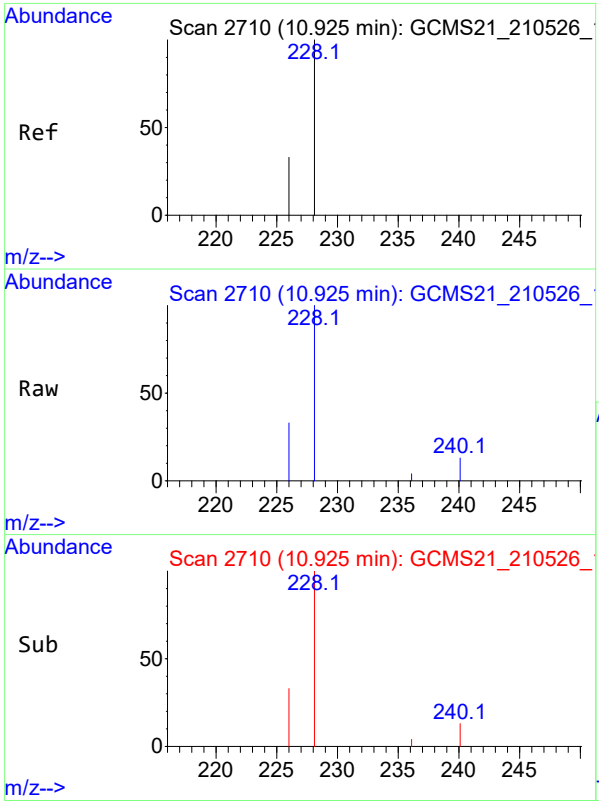


#19
Benzo(a)anthracene
Concen: 28.49 ng/mL
RT: 10.866 min Scan# 2681
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:228 Resp: 26455

Ion	Ratio	Lower	Upper
228	100		
226	28.6	0.0	59.6

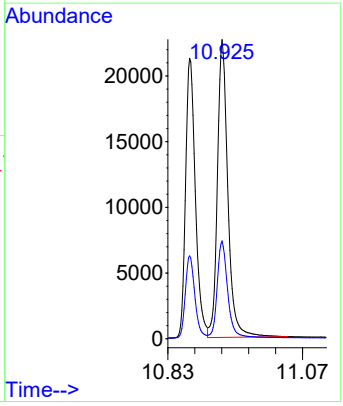


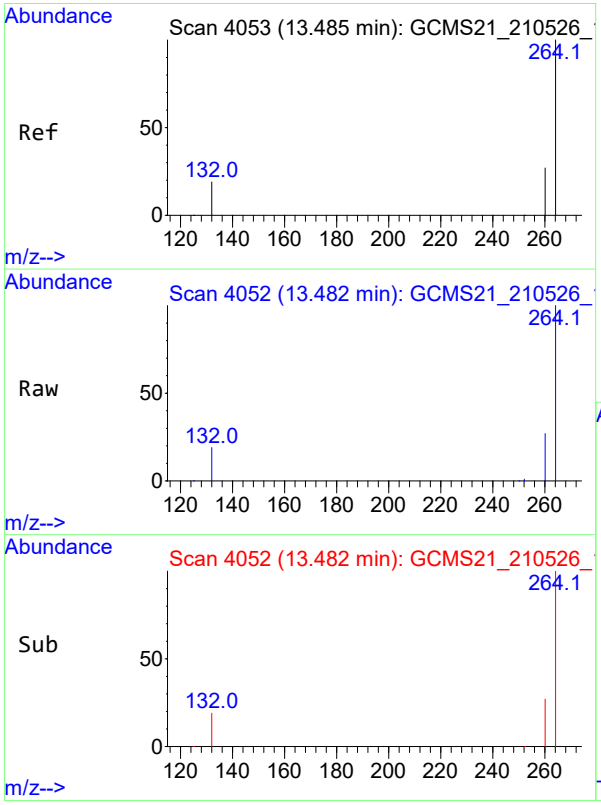


#20
Chrysene
Concen: 28.21 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:228 Resp: 30063

Ion	Ratio	Lower	Upper
228	100		
226	32.0	2.5	62.5

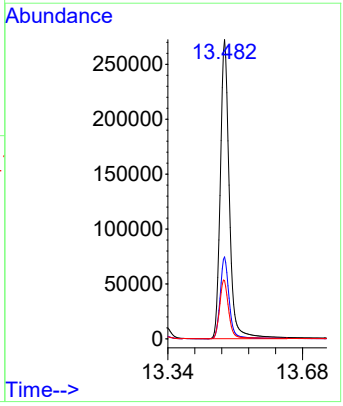


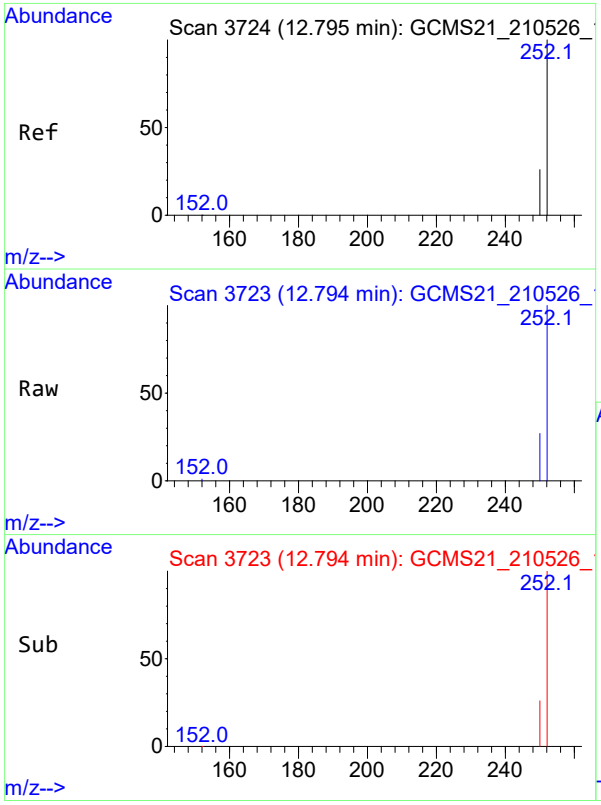


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.003 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:264 Resp: 438380

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	20.0	0.0	49.9

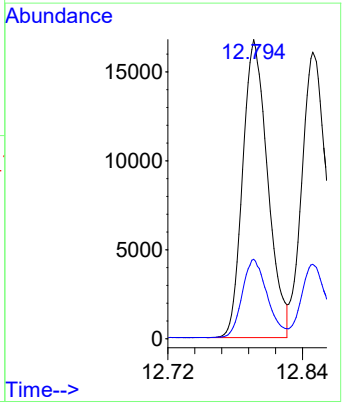


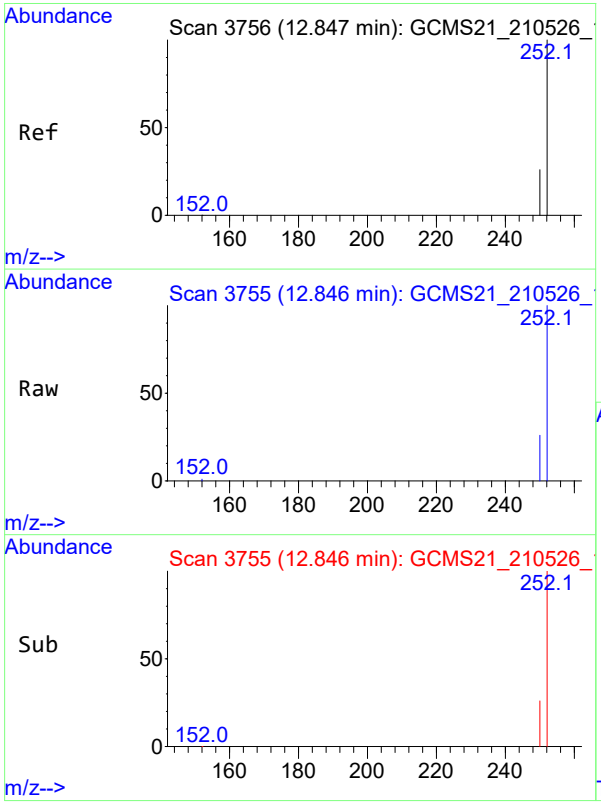


#22
Benzo(b)fluoranthene
Concen: 29.62 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 25564

Ion	Ratio	Lower	Upper
252	100		
250	26.5	0.0	56.2

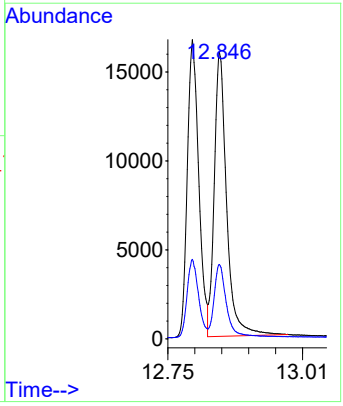


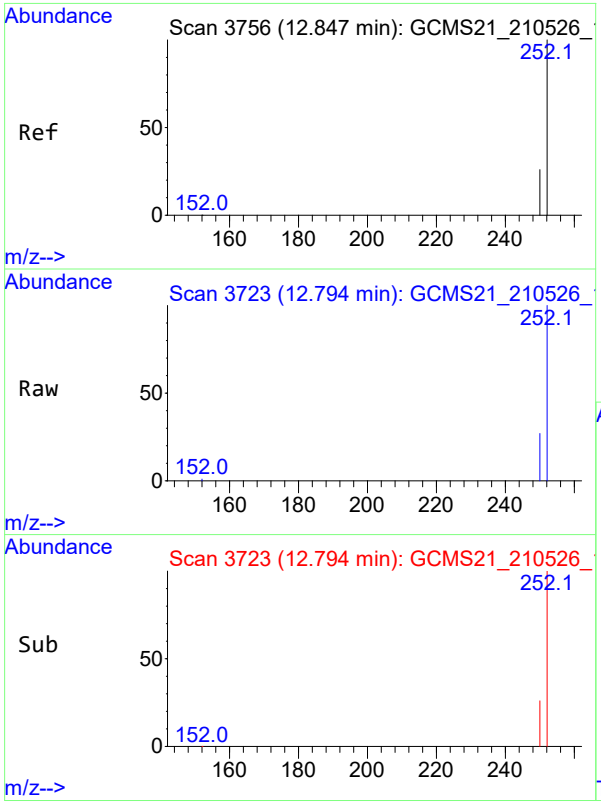


#23
Benzo(k)fluoranthene
Concen: 27.38 ng/mL
RT: 12.846 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 26327

Ion	Ratio	Lower	Upper
252	100		
250	24.6	0.0	55.4

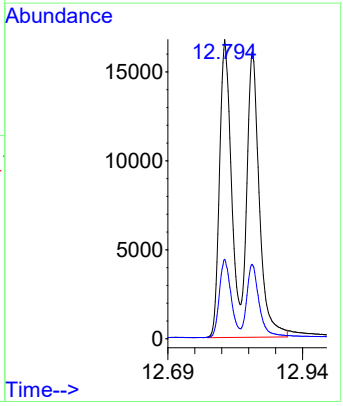


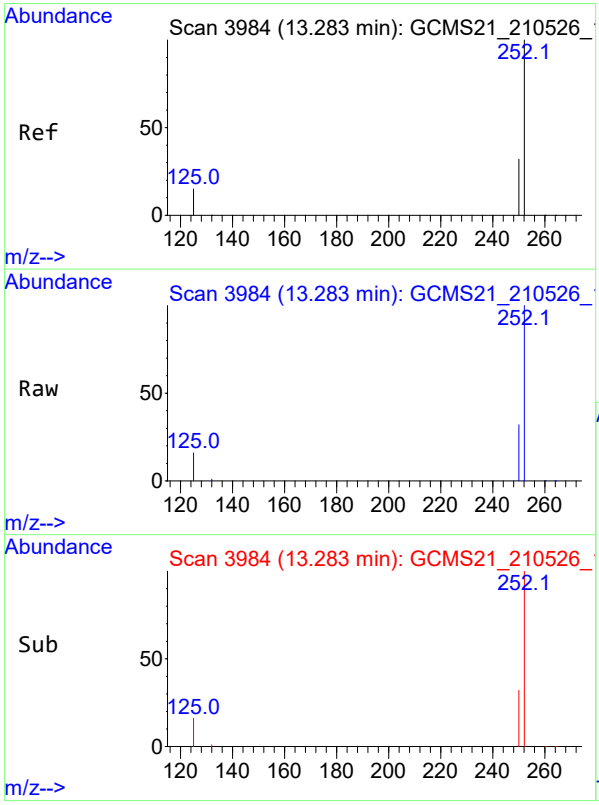


#24
benzo(b+k)fluoranthene (sum)
Concen: 56.41 ng/mL m
RT: 12.794 min Scan# 3723
Delta R.T. -0.054 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 51797

Ion	Ratio	Lower	Upper
252	100		
250	24.7	0.0	56.3

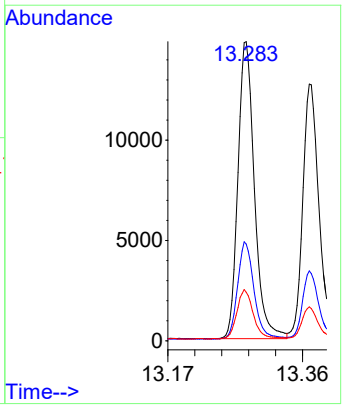


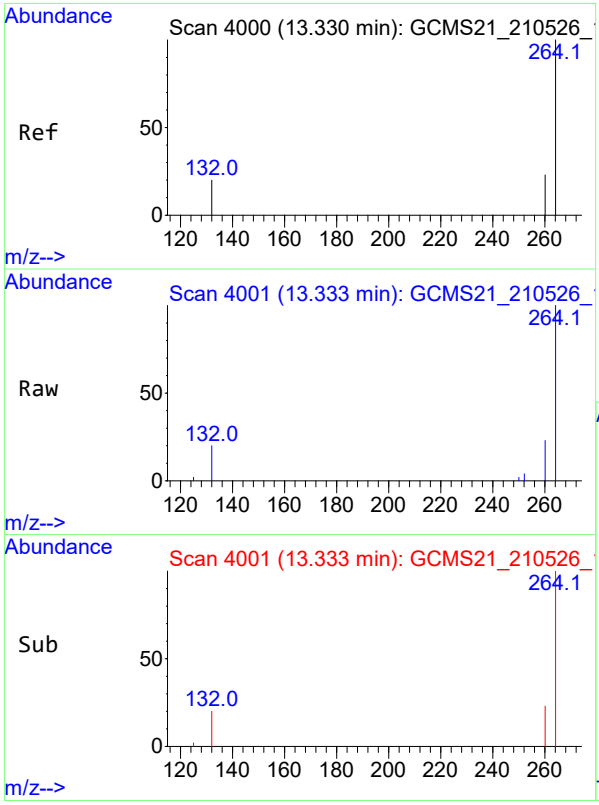


#25
Benzo(e)pyrene
Concen: 27.37 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 24360

Ion	Ratio	Lower	Upper
252	100		
250	32.5	2.4	62.4
125	16.5	0.0	46.0

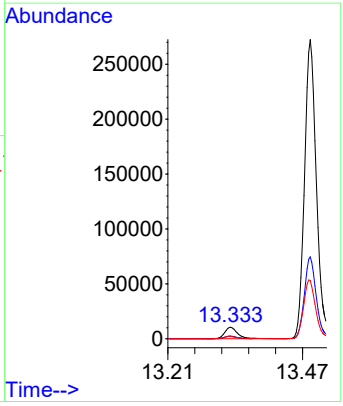


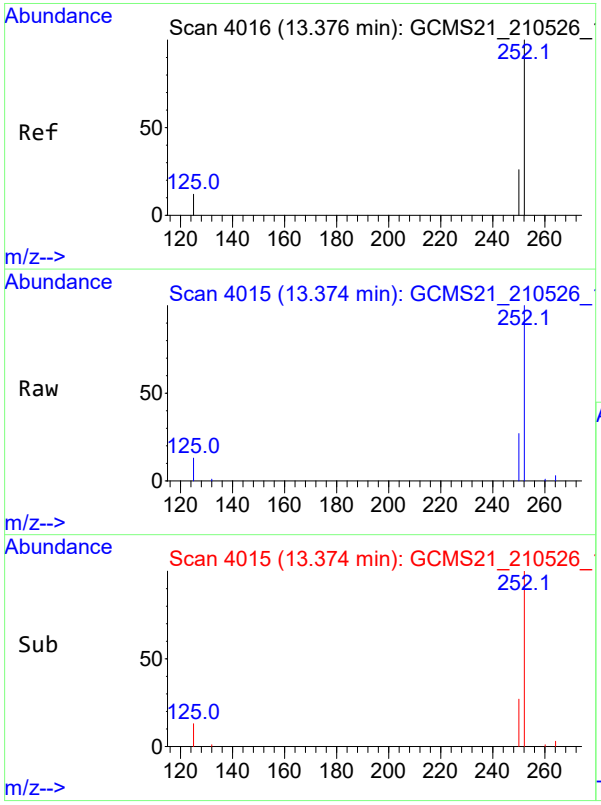


#26
Benzo(a)pyrene-D12
Concen: 23.17 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:264 Resp: 17501

Ion	Ratio	Lower	Upper
264	100		
260	22.6	0.0	52.7
132	19.6	0.0	49.5

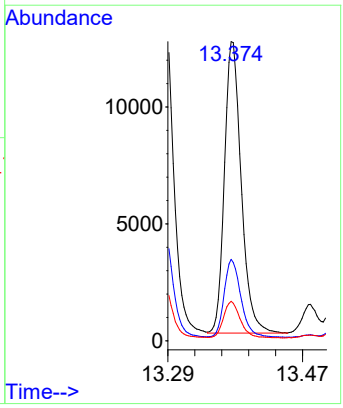


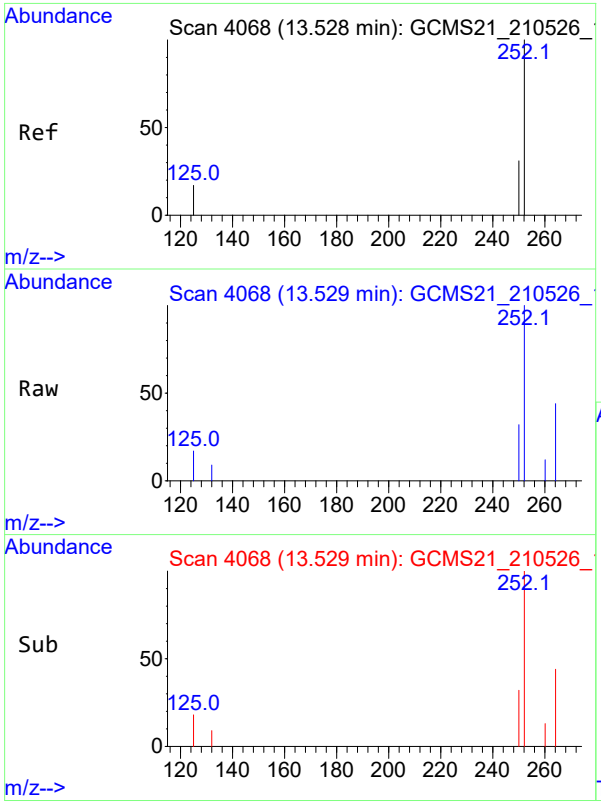


#27
Benzo(a)pyrene
Concen: 22.95 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.003 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 19790

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	57.2
125	12.6	0.0	42.3

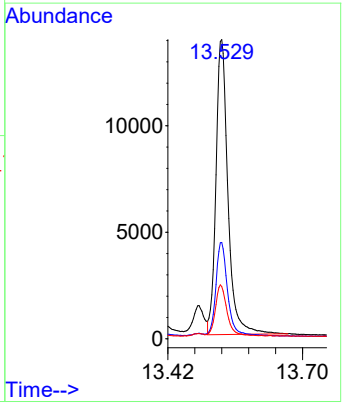


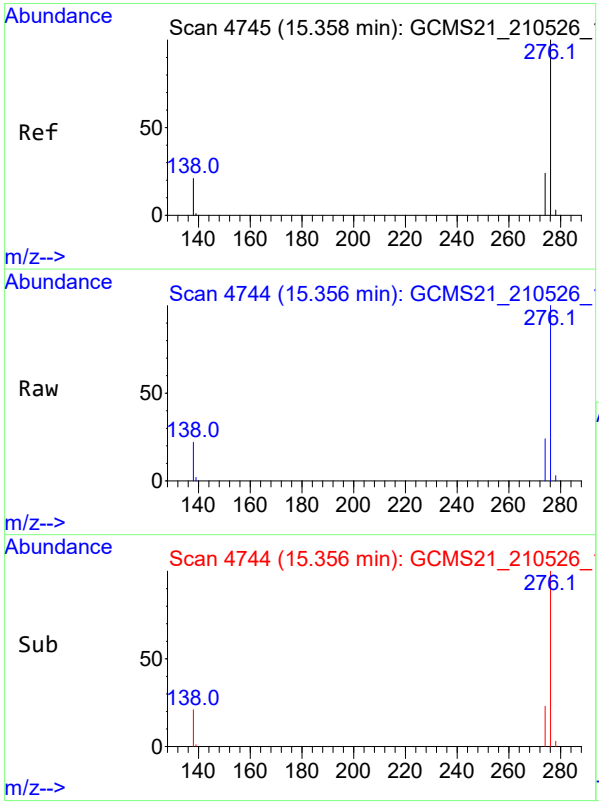


#28
Perylene
Concen: 25.45 ng/mL
RT: 13.529 min Scan# 4068
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 23812

Ion	Ratio	Lower	Upper
252	100		
250	31.5	1.1	61.1
125	16.5	0.0	46.2

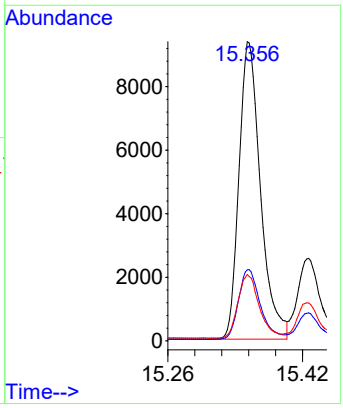


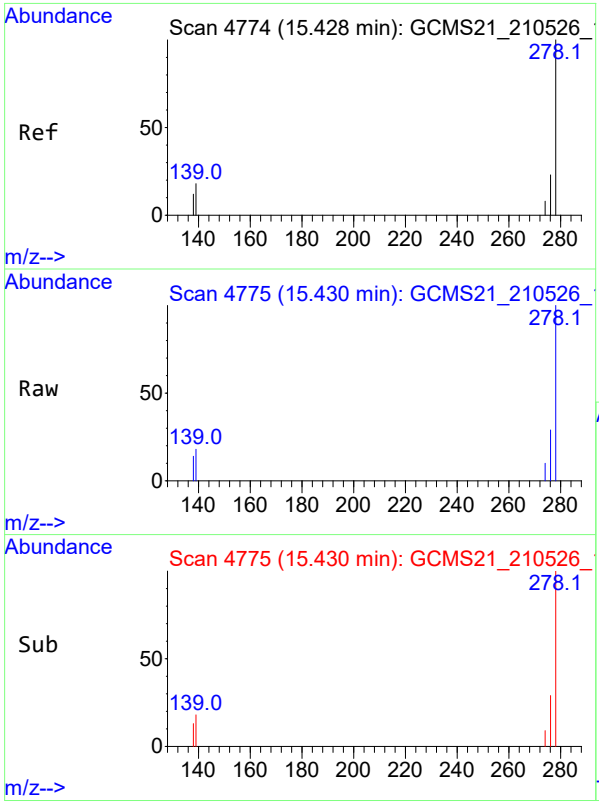


#29
Indeno(1,2,3-cd)pyrene
Concen: 22.90 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:276 Resp: 16975

Ion	Ratio	Lower	Upper
276	100		
274	23.6	0.0	53.7
138	21.0	0.0	51.1

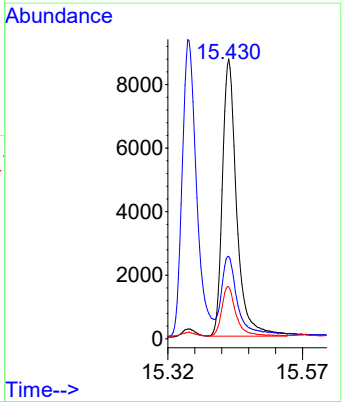


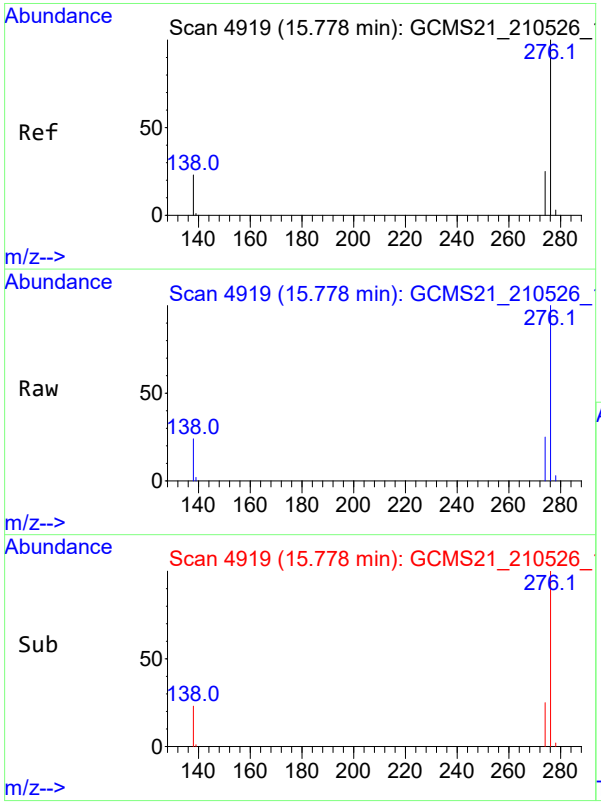


#30
Dibenz(a,h)anthracene
Concen: 19.96 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:278 Resp: 15734

Ion	Ratio	Lower	Upper
278	100		
276	29.1	2.7	62.7
139	17.3	0.0	47.4

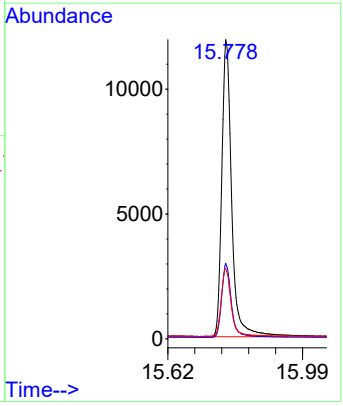




#31
Benzo(g,h,i)perylene
Concen: 24.88 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:276 Resp: 22855

Ion	Ratio	Lower	Upper
276	100		
274	24.3	0.0	54.7
138	22.3	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_12.D
Acq On : 26 May 2021 15:32
Operator : MN GCMS21
Sample : CAL4_25ng/mL
Misc : LIMS 21B0104
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 11:54:12 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

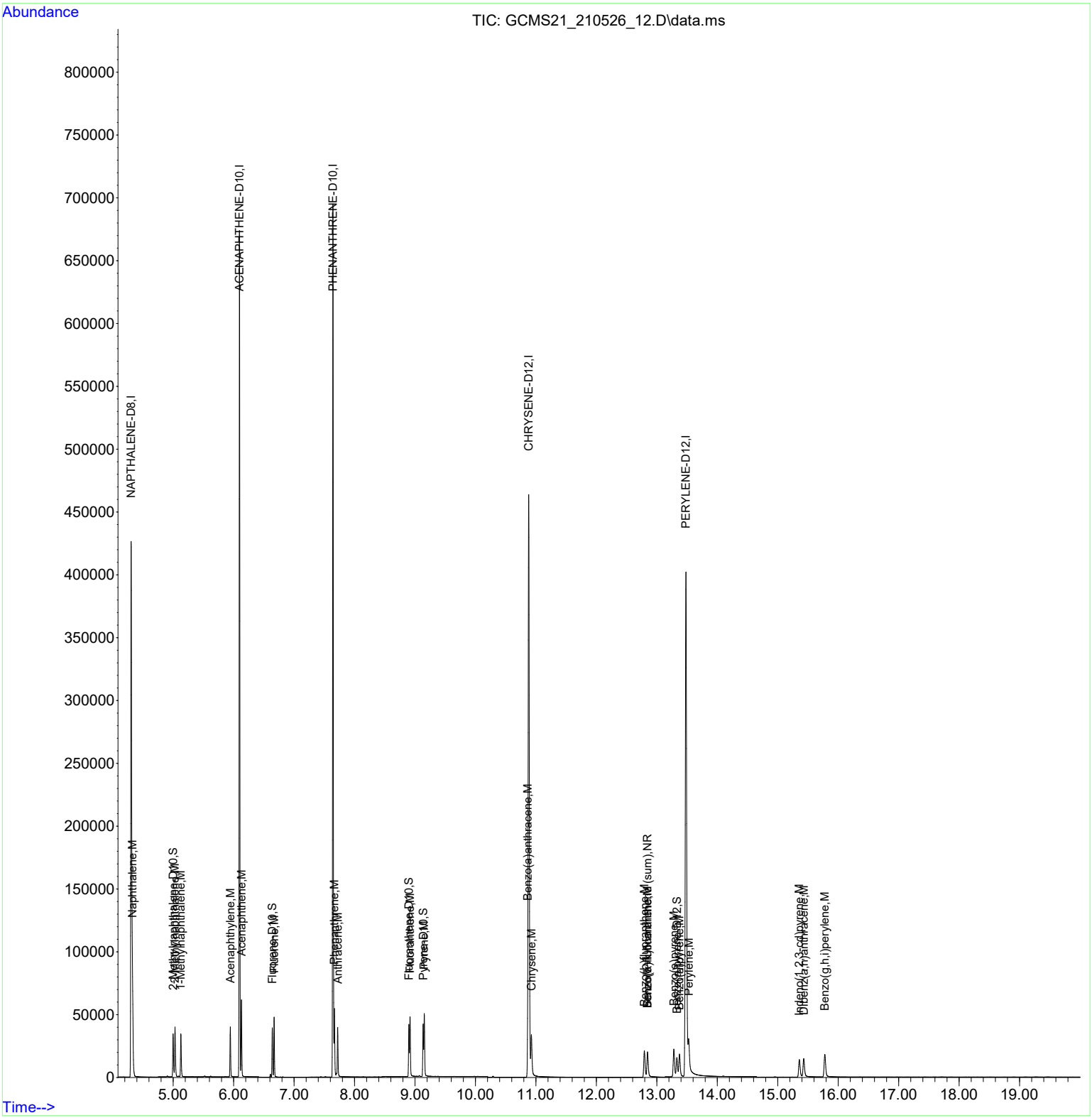
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	459864	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	253646	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	482569	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.880	240	461405	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	438380	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	14983	25.55	ng/mL	0.00
9) Fluorene-D10	6.639	176	15818	26.80	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	26538	24.62	ng/mL	0.00
17) Pyrene-D10	9.135	212	27389	26.02	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	17501	23.17	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	24341	27.58	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	16400	26.21	ng/mL	100
5) 1-Methylnaphthalene	5.127	142	13626	24.19	ng/mL	100
7) Acenaphthylene	5.946	152	21608	26.44	ng/mL	100
8) Acenaphthene	6.130	153	16646	26.87	ng/mL	100
10) Fluorene	6.670	166	18039	25.60	ng/mL	100
12) Phenanthrene	7.667	178	30032	23.32	ng/mL	100
13) Anthracene	7.722	178	24477	24.05	ng/mL	100
15) Fluoranthene	8.919	202	30397	24.89	ng/mL	100
18) Pyrene	9.153	202	31639	26.97	ng/mL	100
19) Benzo(a)anthracene	10.866	228	26455	28.49	ng/mL	98
20) Chrysene	10.925	228	30063	28.21	ng/mL	99
22) Benzo(b)fluoranthene	12.794	252	25564	29.62	ng/mL	99
23) Benzo(k)fluoranthene	12.846	252	26327	27.38	ng/mL	98
24) benzo(b+k)fluoranthene...	12.846	252	26327	28.67	ng/mL	97
25) Benzo(e)pyrene	13.283	252	24360	27.37	ng/mL	100
27) Benzo(a)pyrene	13.374	252	19790	22.95	ng/mL	99
28) Perylene	13.529	252	23812	25.45	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.356	276	16975	22.90	ng/mL	100
30) Dibenz(a,h)anthracene	15.430	278	15734	19.96	ng/mL	96
31) Benzo(g,h,i)perylene	15.778	276	22855	24.88	ng/mL	99

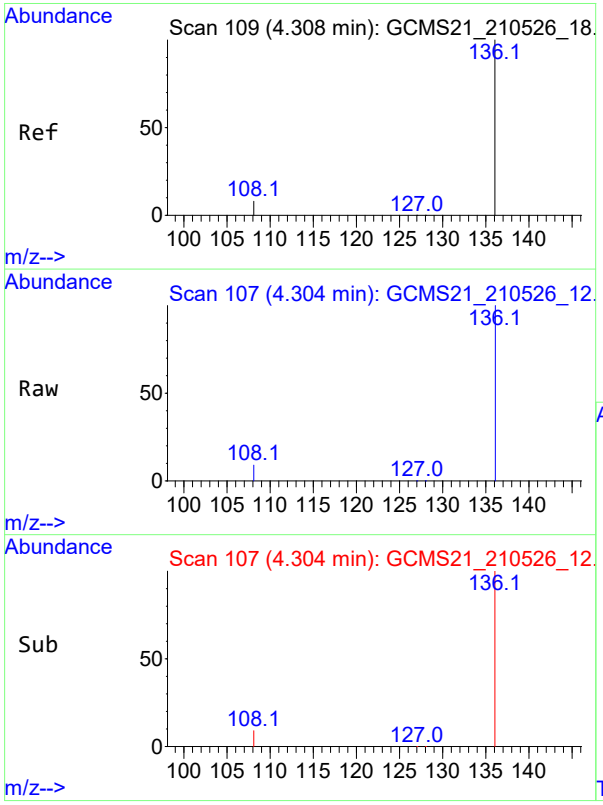
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_12.D
Acq On : 26 May 2021 15:32
Operator : MN GCMS21
Sample : CAL4_25ng/mL
Misc : LIMS 21B0104
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 02 11:54:12 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

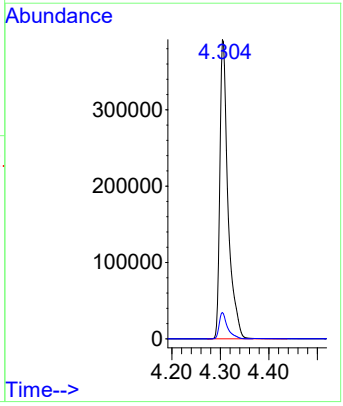


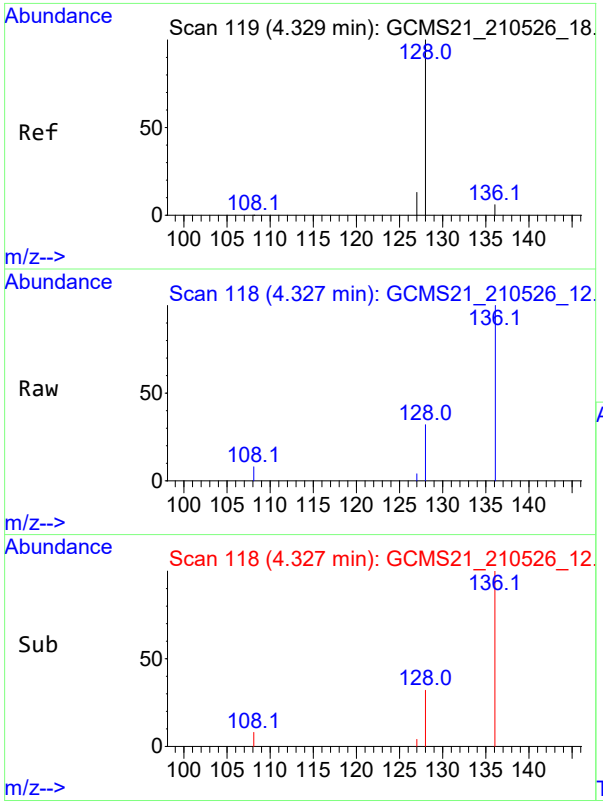


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:136 Resp: 459864

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	29.0

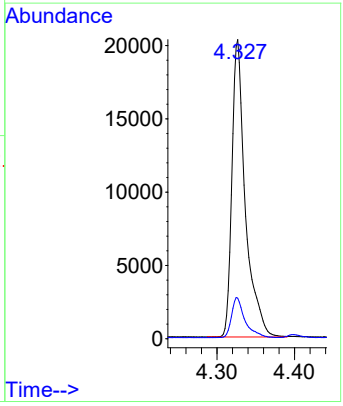


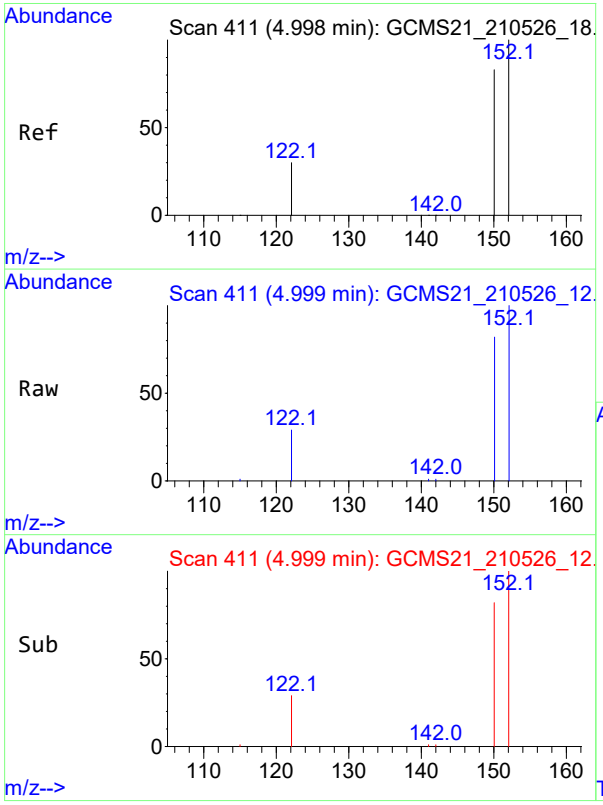


#2
Naphthalene
Concen: 27.58 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:128 Resp: 24341

Ion	Ratio	Lower	Upper
128	100		
127	13.5	0.0	43.4

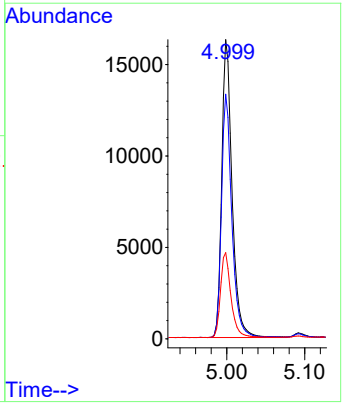


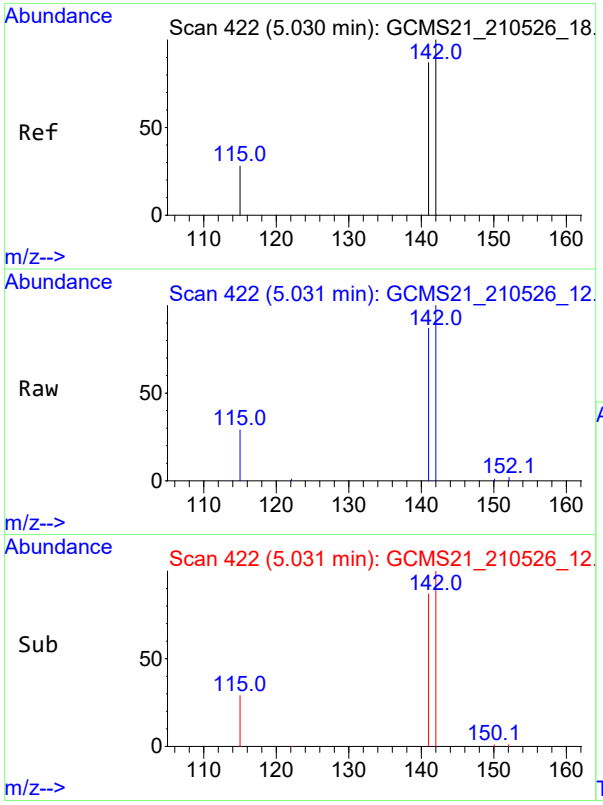


#3
2-Methylnaphthalene-D10
Concen: 25.55 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:152 Resp: 14983

Ion	Ratio	Lower	Upper
152	100		
150	82.0	57.5	106.7
122	28.7	20.1	37.3

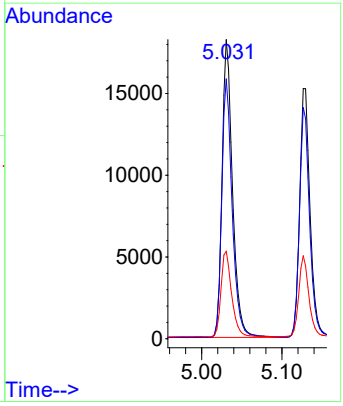


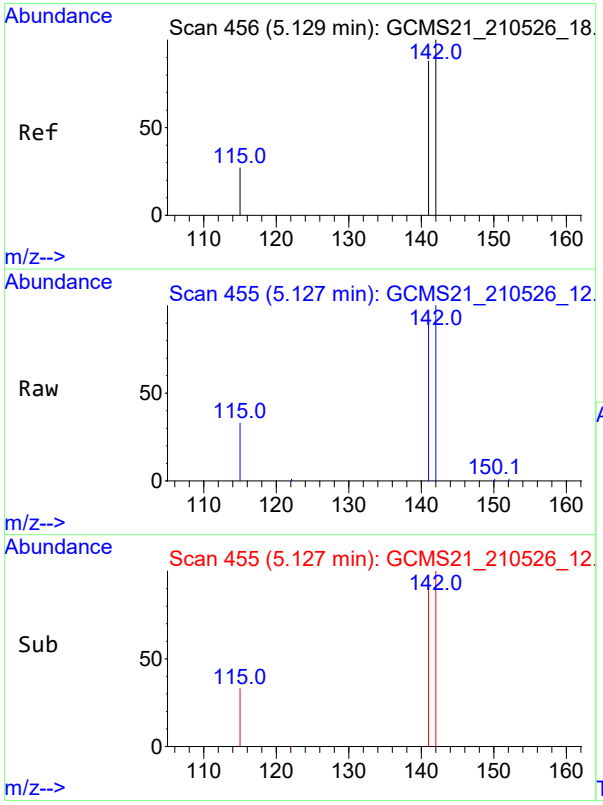


#4
2-Methylnaphthalene
Concen: 26.21 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:142 Resp: 16400

Ion	Ratio	Lower	Upper
142	100		
141	87.0	56.5	116.5
115	29.5	0.0	59.3

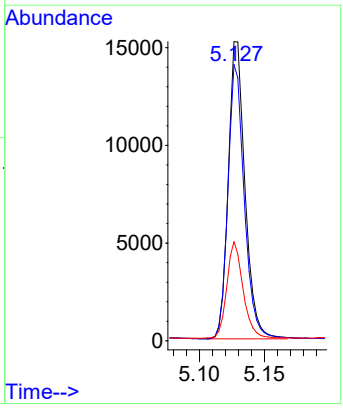


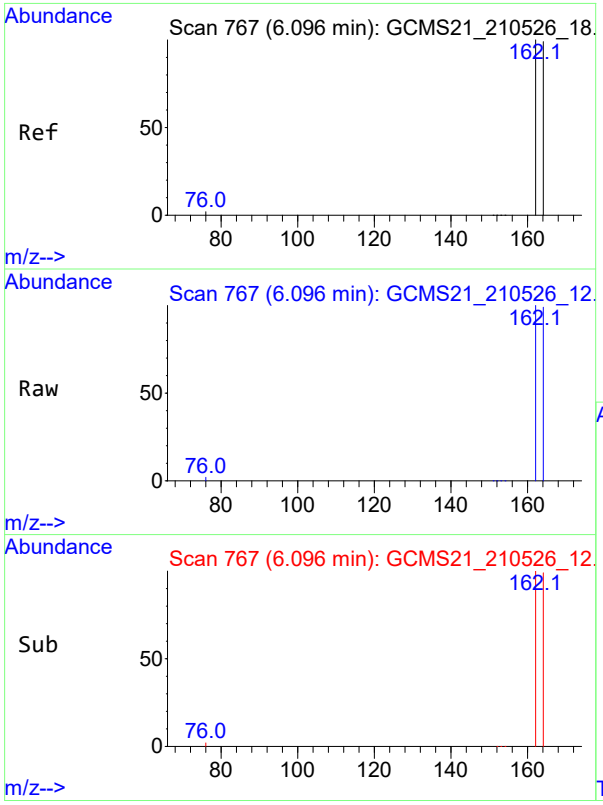


#5
1-Methylnaphthalene
Concen: 24.19 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:142 Resp: 13626

Ion	Ratio	Lower	Upper
142	100		
141	89.8	59.6	119.6
115	31.6	1.2	61.2

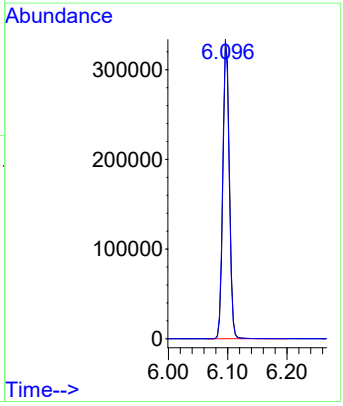


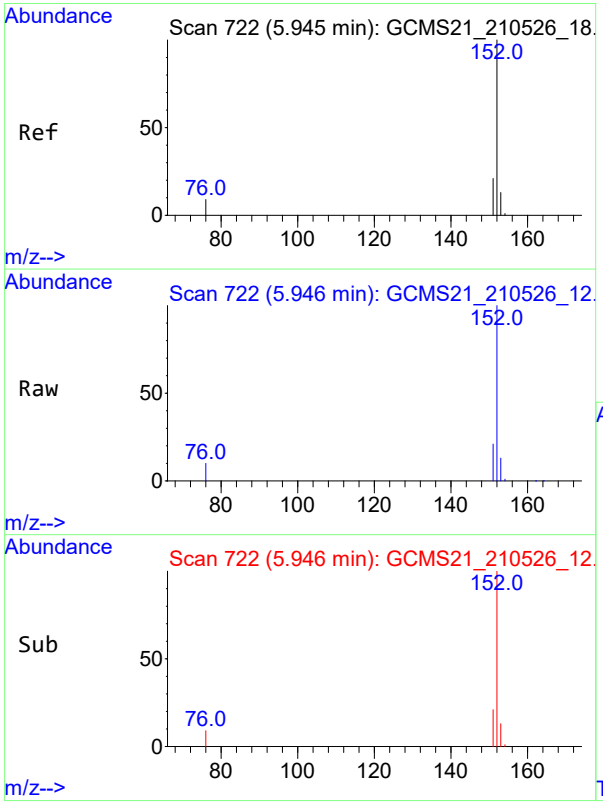


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:164 Resp: 253646

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.5	119.5

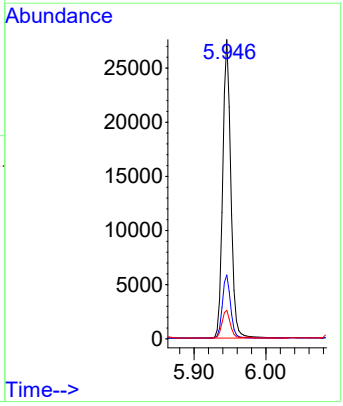


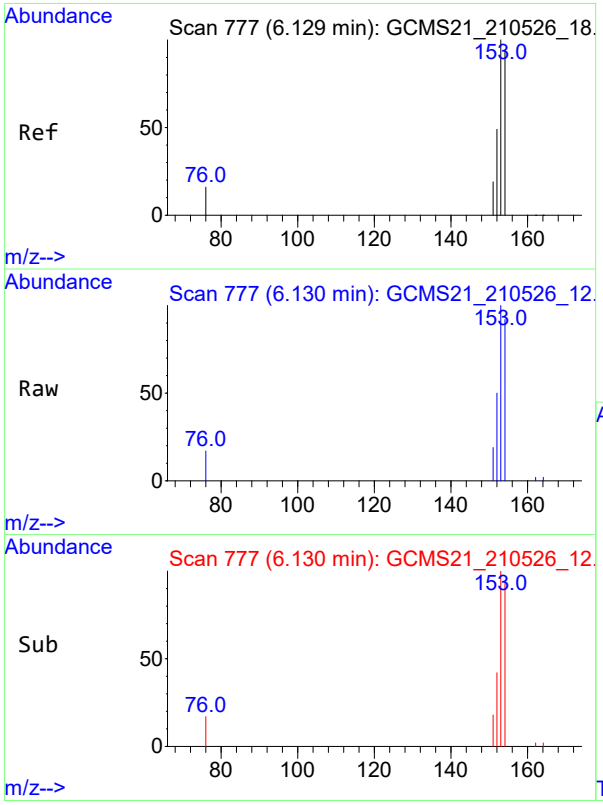


#7
Acenaphthylene
Concen: 26.44 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:152 Resp: 21608

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	51.5
76	9.3	0.0	39.5

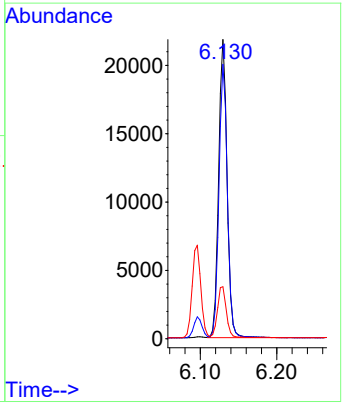


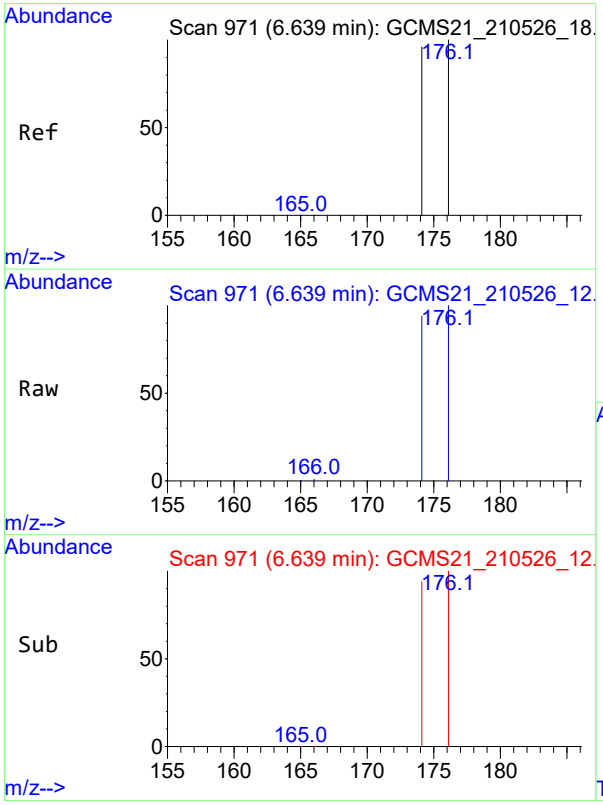


#8
Acenaphthene
Concen: 26.87 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:153 Resp: 16646

Ion	Ratio	Lower	Upper
153	100		
154	91.6	61.9	121.9
76	17.8	0.0	47.6

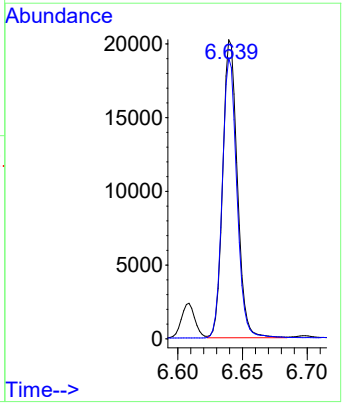


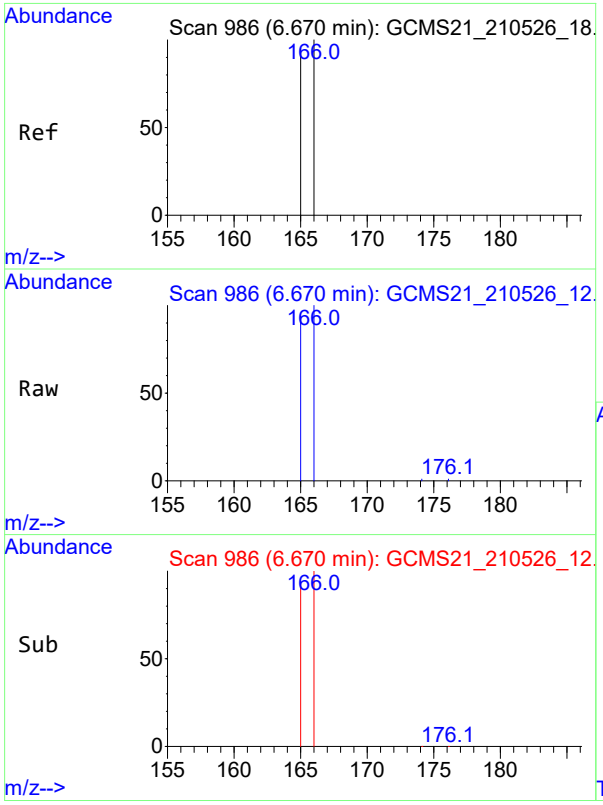


#9
Fluorene-D10
Concen: 26.80 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:176 Resp: 15818

Ion	Ratio	Lower	Upper
176	100		
174	94.0	66.0	122.6

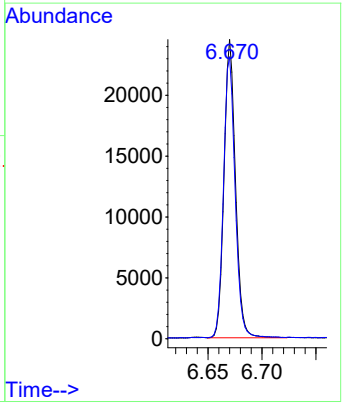


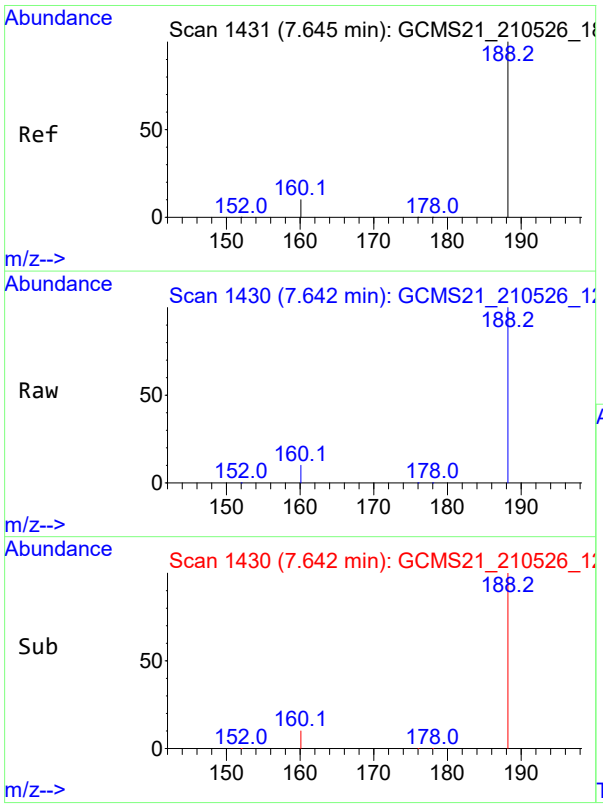


#10
Fluorene
Concen: 25.60 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:166 Resp: 18039

Ion	Ratio	Lower	Upper
166	100		
165	95.6	65.4	125.4

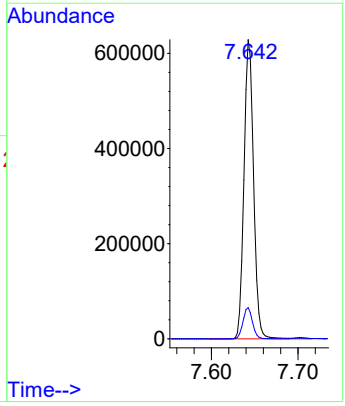


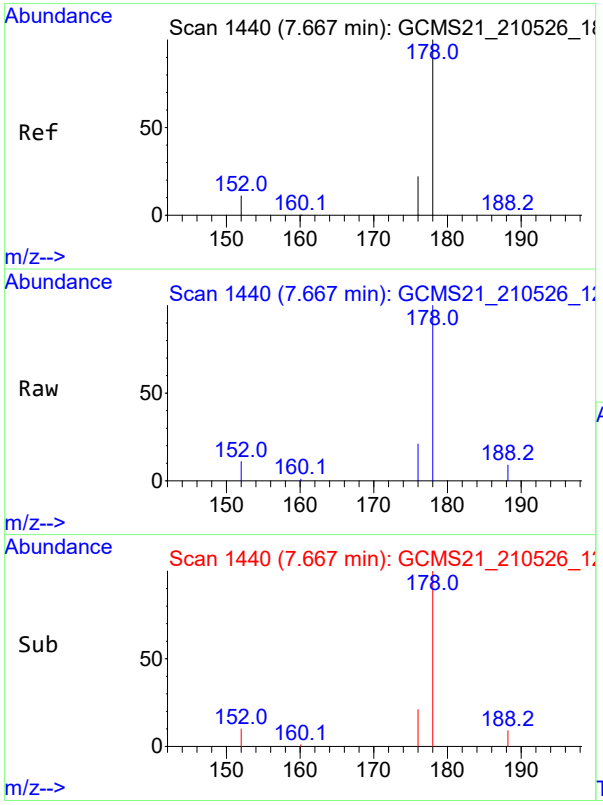


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:188 Resp: 482569

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

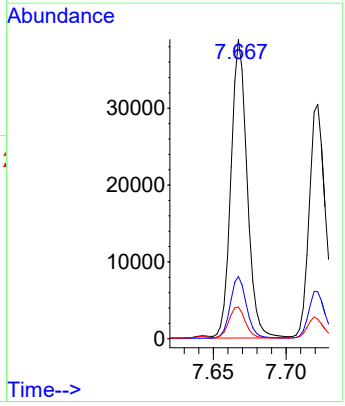


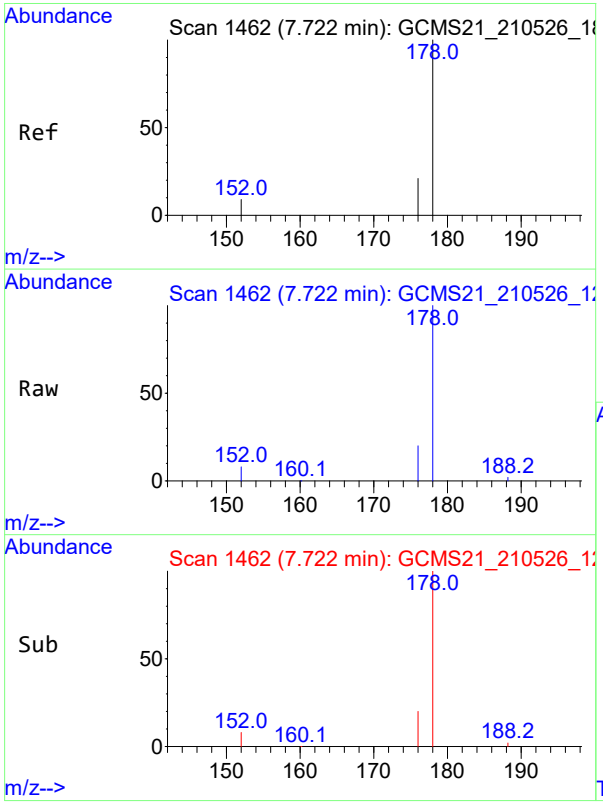


#12
Phenanthrene
Concen: 23.32 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:178 Resp: 30032

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	50.9
152	10.7	0.0	40.7

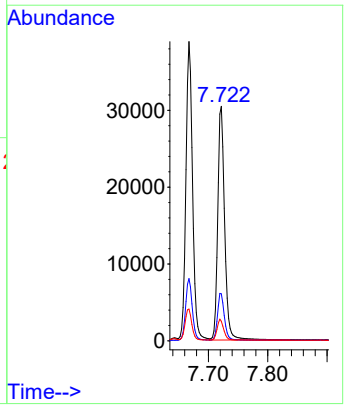


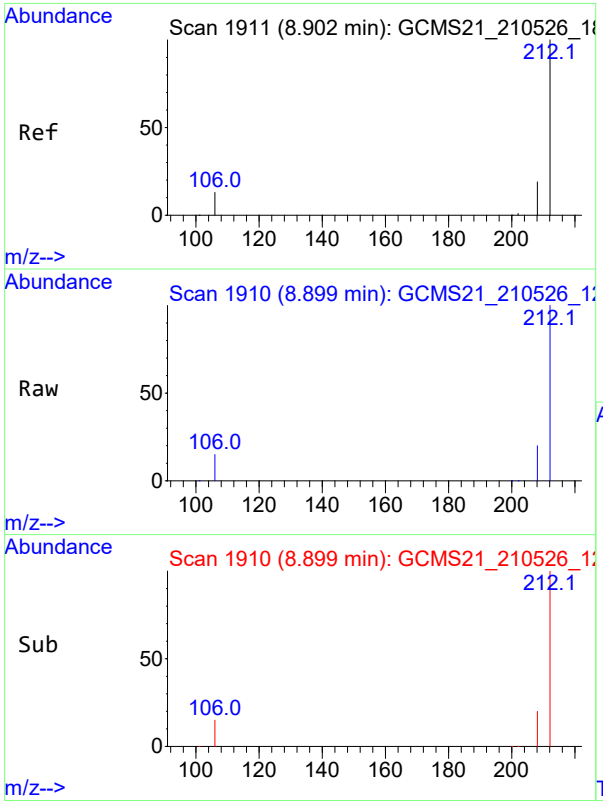


#13
Anthracene
Concen: 24.05 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:178 Resp: 24477

Ion	Ratio	Lower	Upper
178	100		
176	20.0	0.0	50.2
152	8.7	0.0	38.7

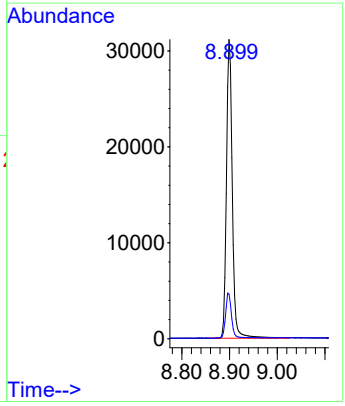


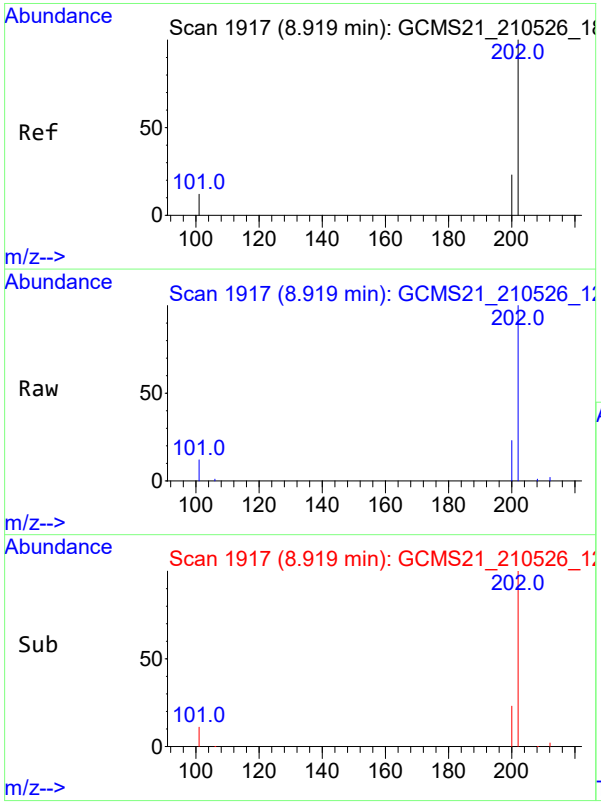


#14
Fluoranthene-D10
Concen: 24.62 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:212 Resp: 26538

Ion	Ratio	Lower	Upper
212	100		
106	15.0	10.6	19.6

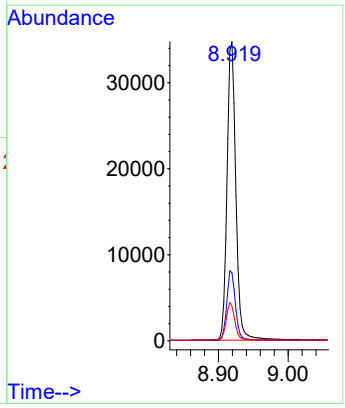


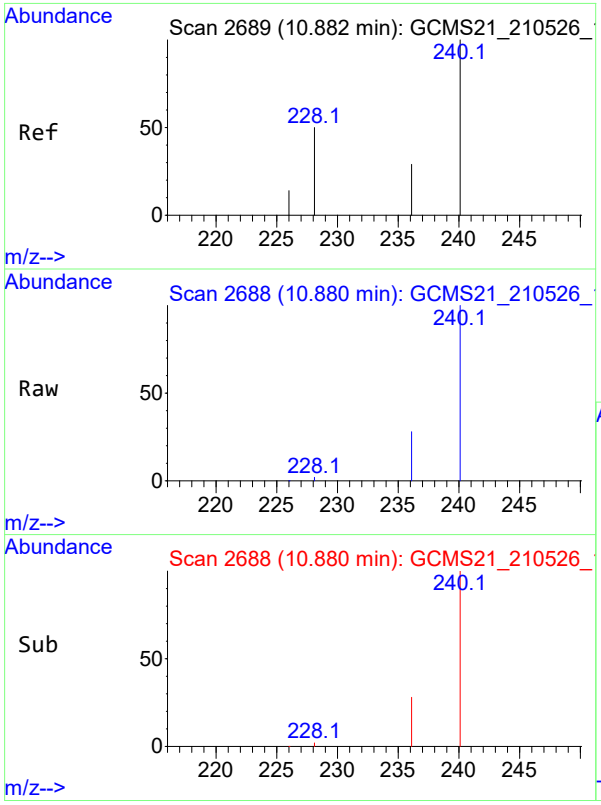


#15
Fluoranthene
Concen: 24.89 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:202 Resp: 30397

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.6	0.0	42.4

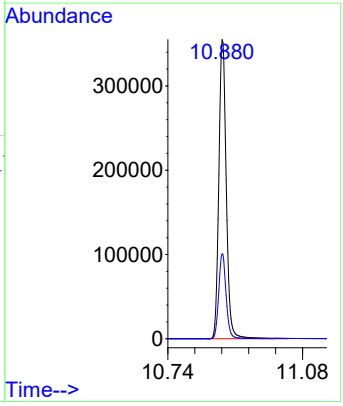


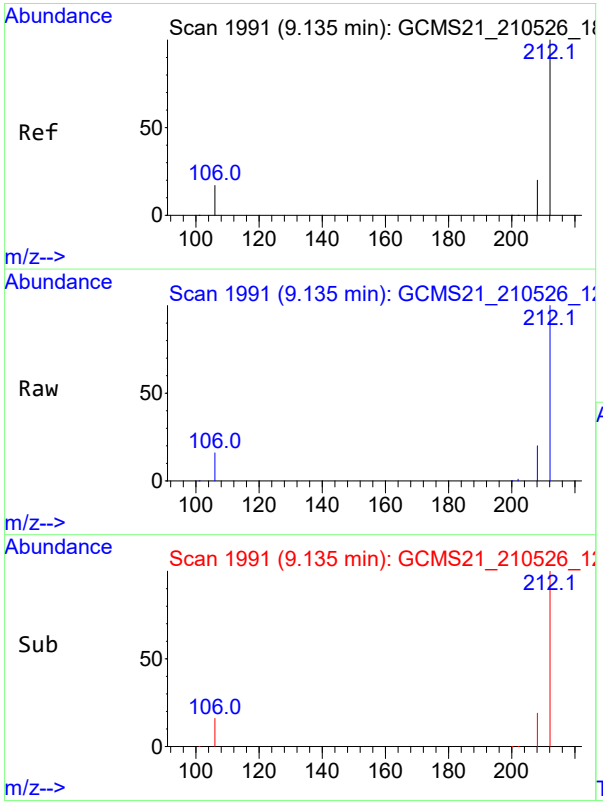


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.880 min Scan# 2688
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:240 Resp: 461405

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

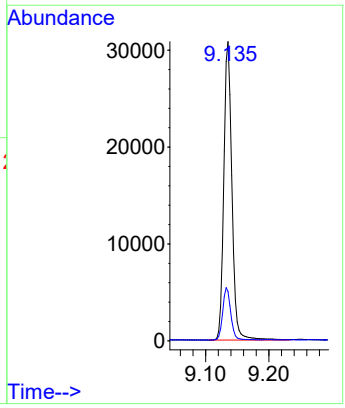


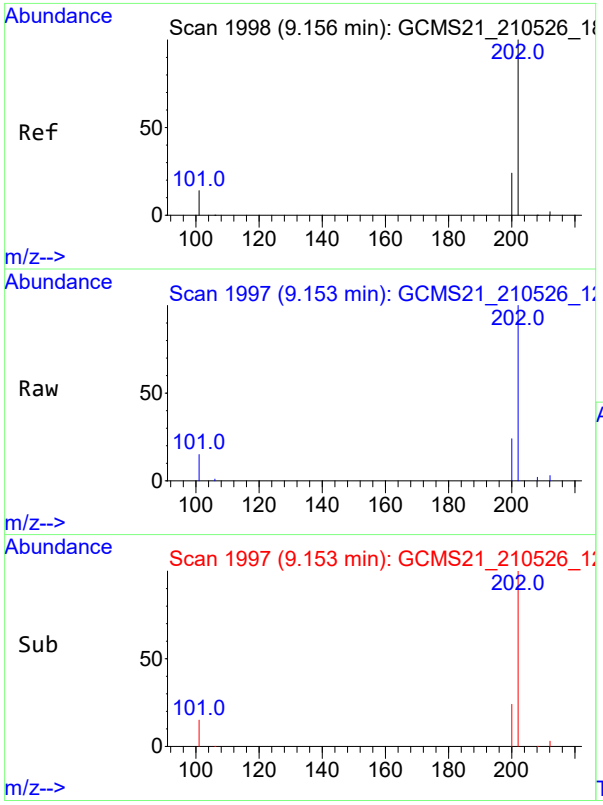


#17
Pyrene-D10
Concen: 26.02 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:212 Resp: 27389

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.2	22.6

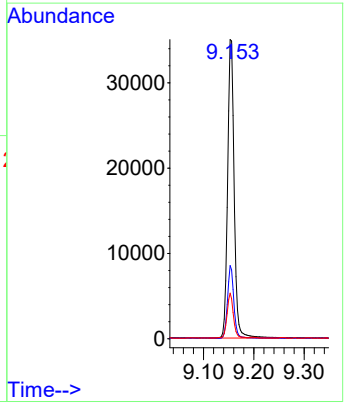


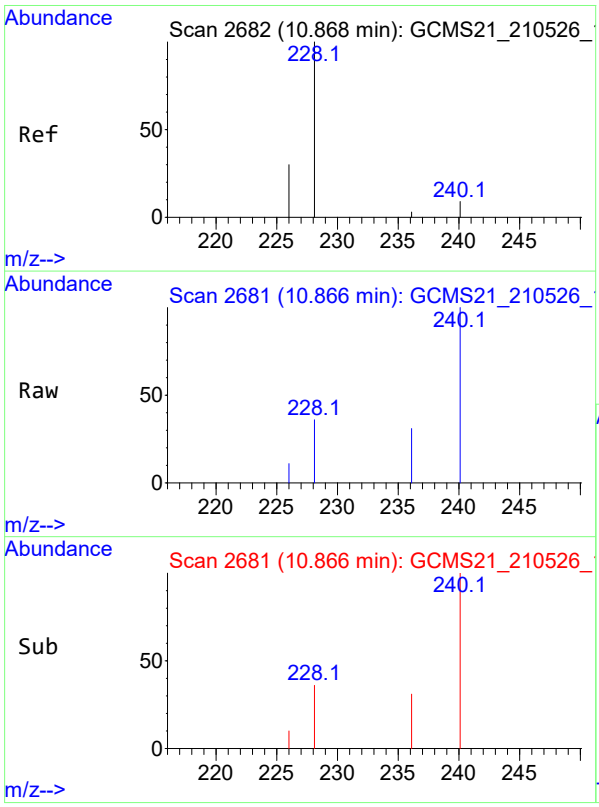


#18
Pyrene
Concen: 26.97 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:202 Resp: 31639

Ion	Ratio	Lower	Upper
202	100		
200	23.4	0.0	53.6
101	14.4	0.0	44.4

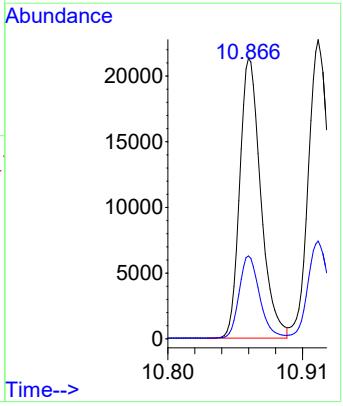


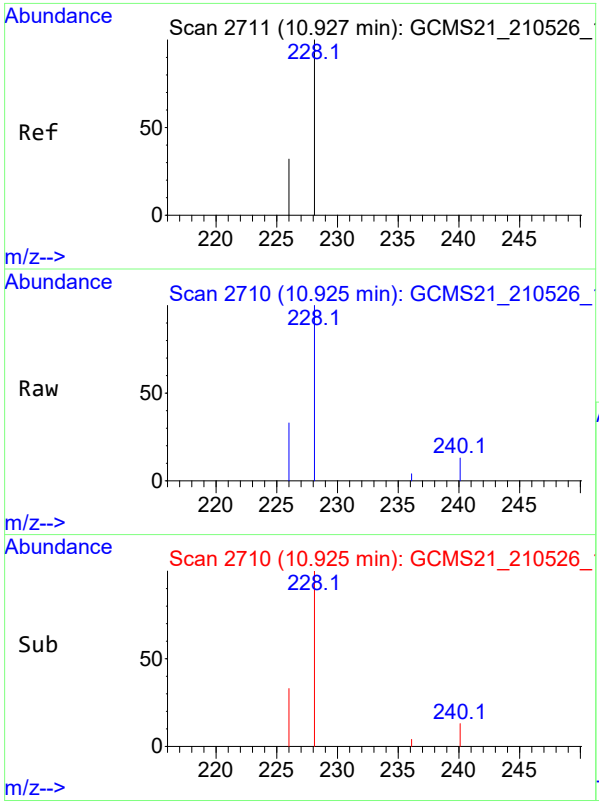


#19
Benzo(a)anthracene
Concen: 28.49 ng/mL
RT: 10.866 min Scan# 2681
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:228 Resp: 26455

Ion	Ratio	Lower	Upper
228	100		
226	28.6	0.0	59.6

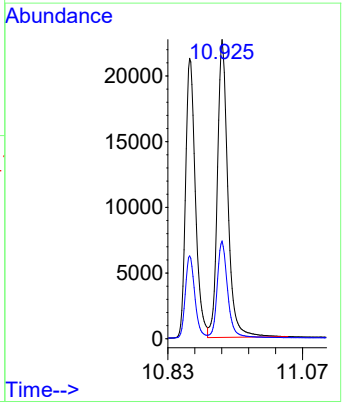


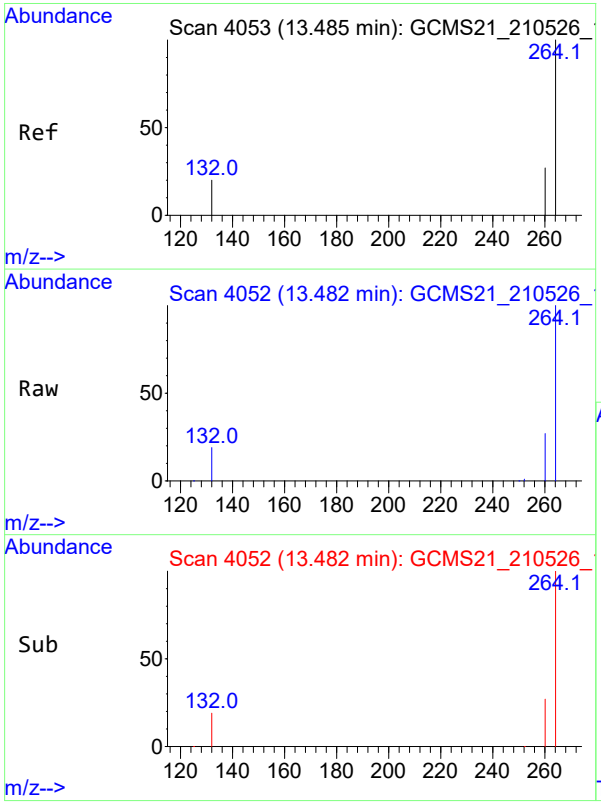


#20
Chrysene
Concen: 28.21 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:228 Resp: 30063

Ion	Ratio	Lower	Upper
228	100		
226	32.0	2.5	62.5

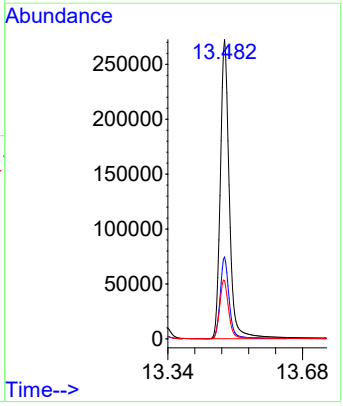


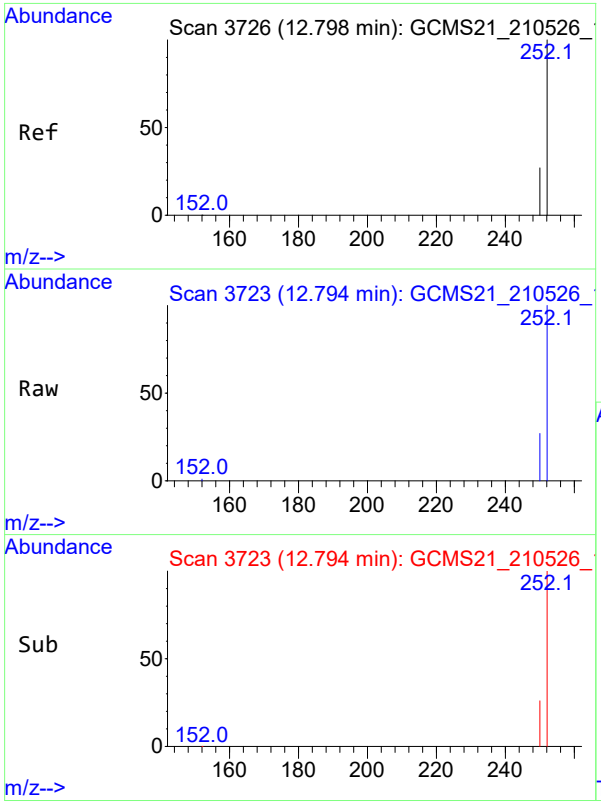


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.003 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:264 Resp: 438380

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	20.0	0.0	49.9

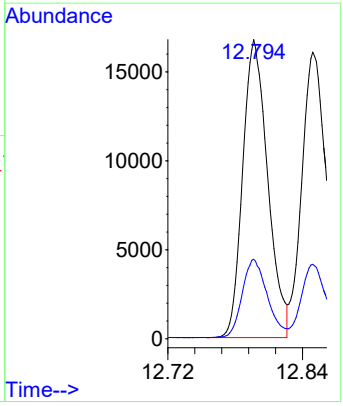


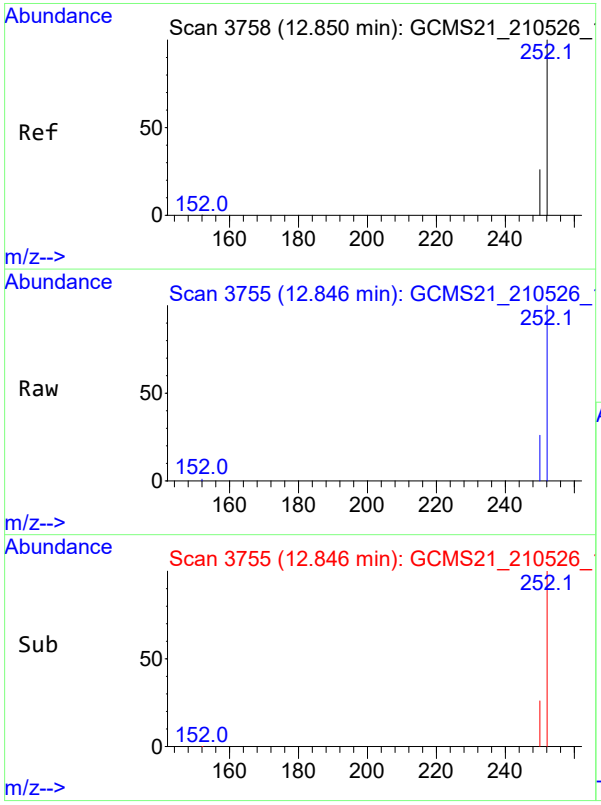


#22
Benzo(b)fluoranthene
Concen: 29.62 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 25564

Ion	Ratio	Lower	Upper
252	100		
250	26.5	0.0	56.2

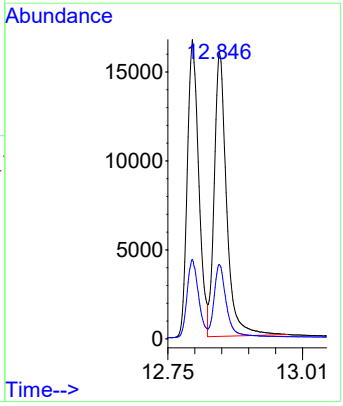


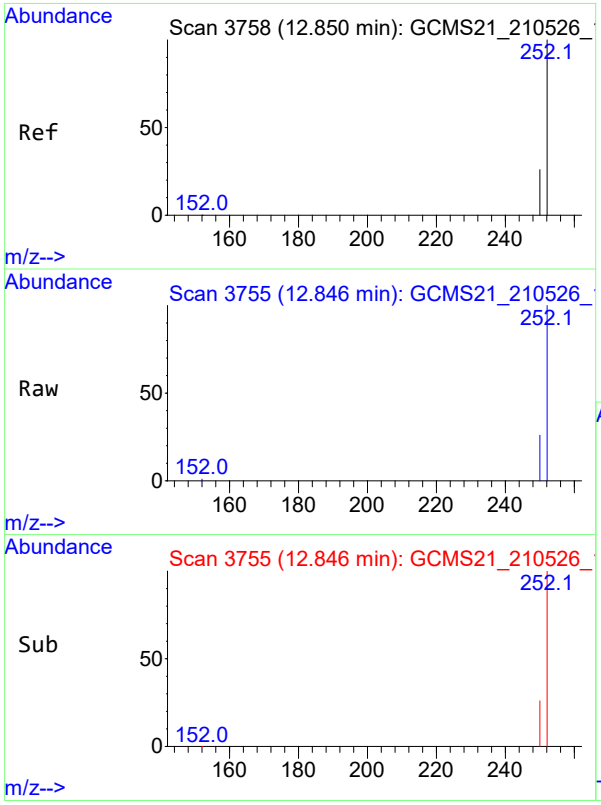


#23
Benzo(k)fluoranthene
Concen: 27.38 ng/mL
RT: 12.846 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 26327

Ion	Ratio	Lower	Upper
252	100		
250	24.6	0.0	55.4

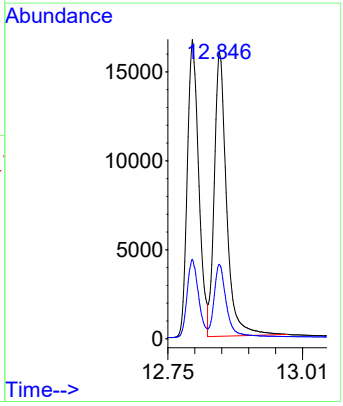


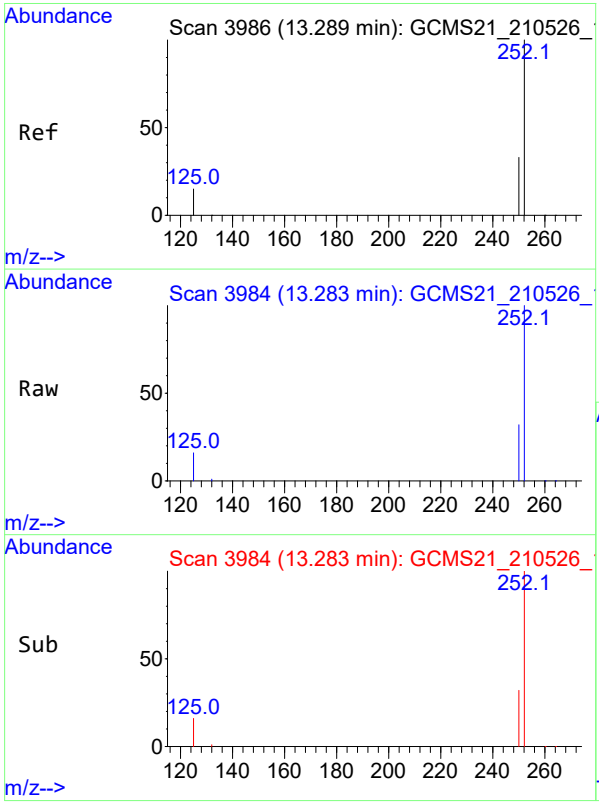


#24
benzo(b+k)fluoranthene (sum)
Concen: 28.67 ng/mL
RT: 12.846 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 26327

Ion	Ratio	Lower	Upper
252	100		
250	24.6	0.0	56.3

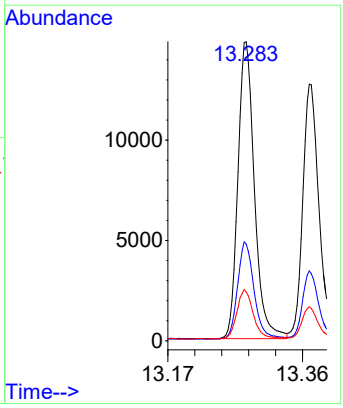


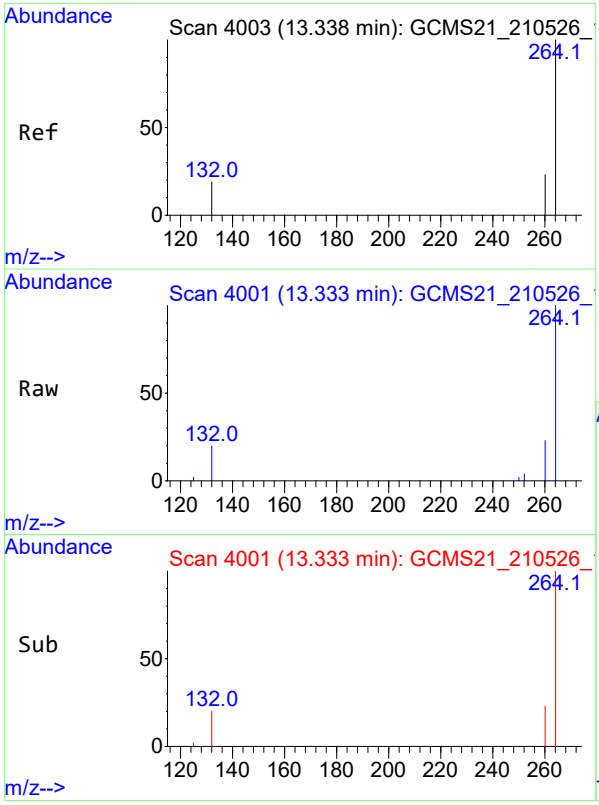


#25
Benzo(e)pyrene
Concen: 27.37 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 24360

Ion	Ratio	Lower	Upper
252	100		
250	32.5	2.4	62.4
125	16.5	0.0	46.0

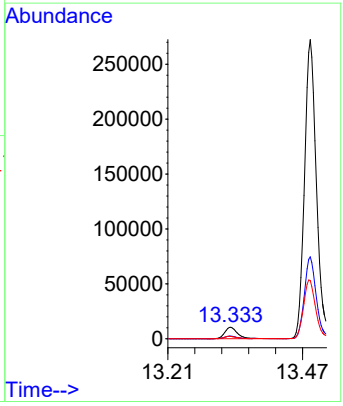


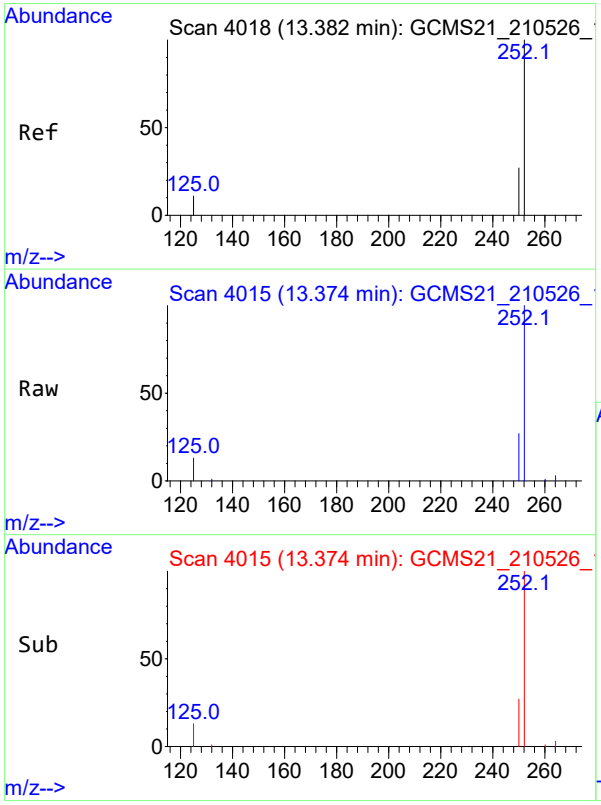


#26
Benzo(a)pyrene-D12
Concen: 23.17 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:264 Resp: 17501

Ion	Ratio	Lower	Upper
264	100		
260	22.6	0.0	52.7
132	19.6	0.0	49.5

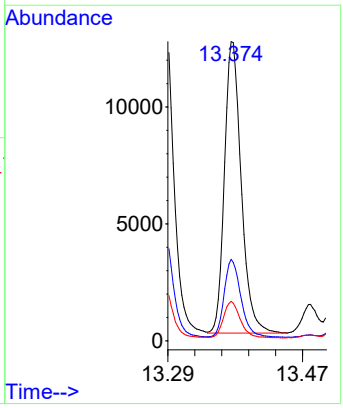


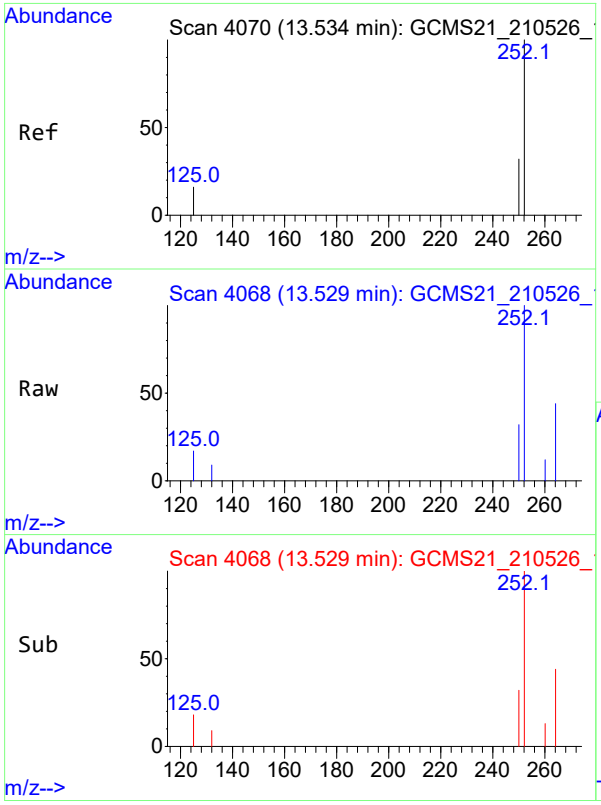


#27
Benzo(a)pyrene
Concen: 22.95 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.003 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 19790

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	57.2
125	12.6	0.0	42.3

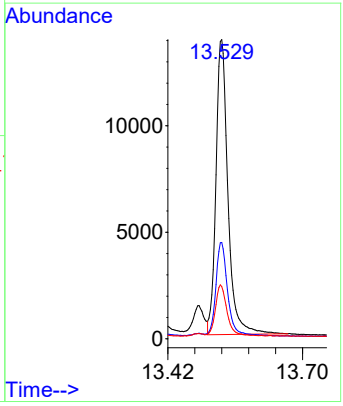


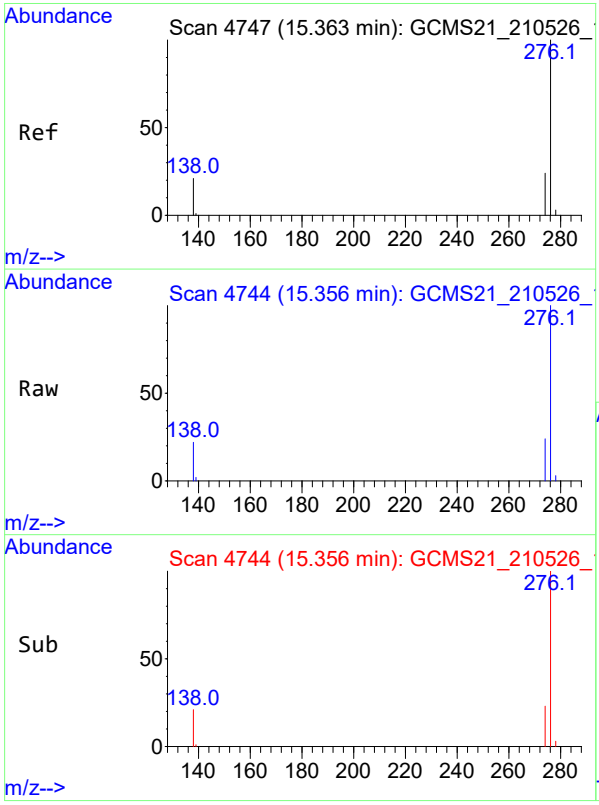


#28
Perylene
Concen: 25.45 ng/mL
RT: 13.529 min Scan# 4068
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:252 Resp: 23812

Ion	Ratio	Lower	Upper
252	100		
250	31.5	1.1	61.1
125	16.5	0.0	46.2

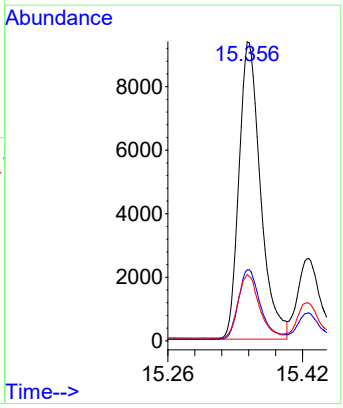


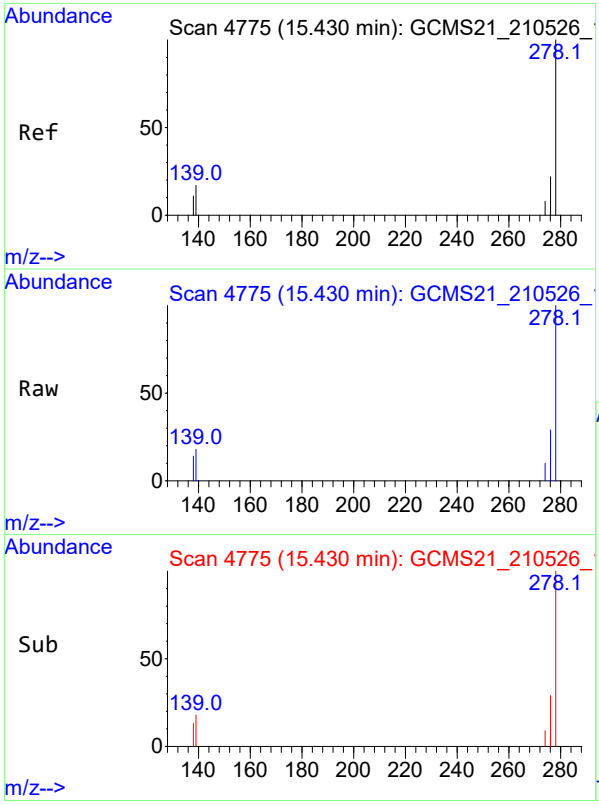


#29
Indeno(1,2,3-cd)pyrene
Concen: 22.90 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. -0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:276 Resp: 16975

Ion	Ratio	Lower	Upper
276	100		
274	23.6	0.0	53.7
138	21.0	0.0	51.1

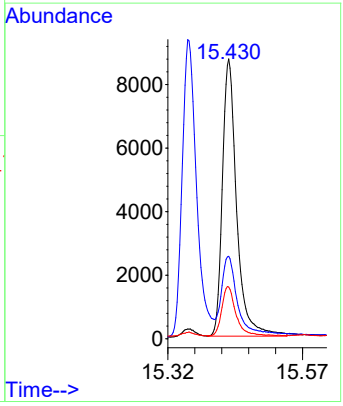


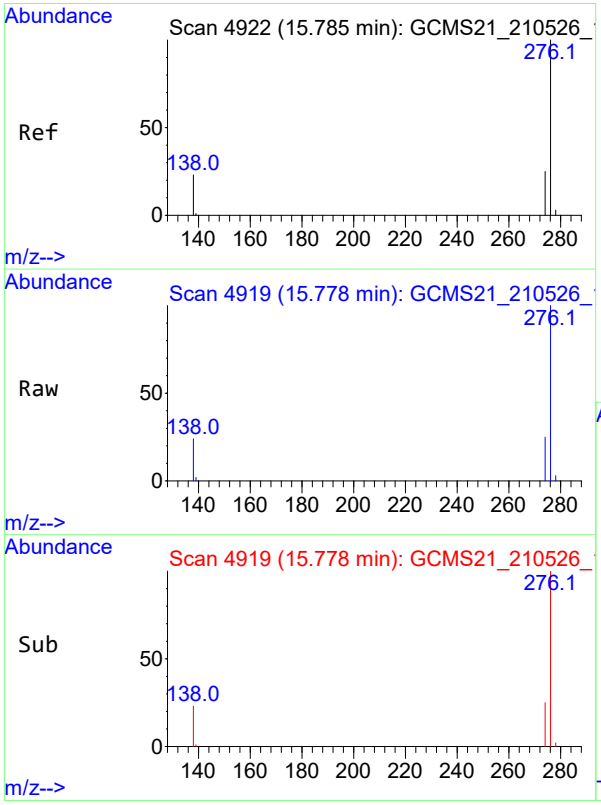


#30
Dibenz(a,h)anthracene
Concen: 19.96 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:278 Resp: 15734

Ion	Ratio	Lower	Upper
278	100		
276	29.1	2.7	62.7
139	17.3	0.0	47.4

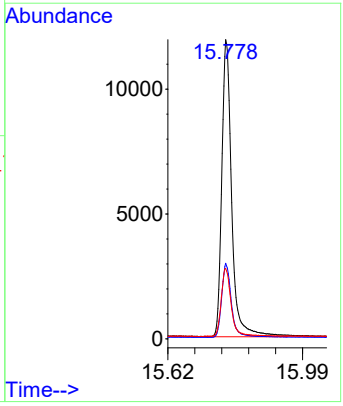




#31
Benzo(g,h,i)perylene
Concen: 24.88 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. 0.000 min
Lab File: GCMS21_210526_12.D
Acq: 26 May 2021 15:32

Tgt Ion:276 Resp: 22855

Ion	Ratio	Lower	Upper
276	100		
274	24.3	0.0	54.7
138	22.3	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_13.D
Acq On : 26 May 2021 15:57
Operator : MN GCMS21
Sample : CAL5_50ng/mL
Misc : LIMS 21B0105
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 02 11:54:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

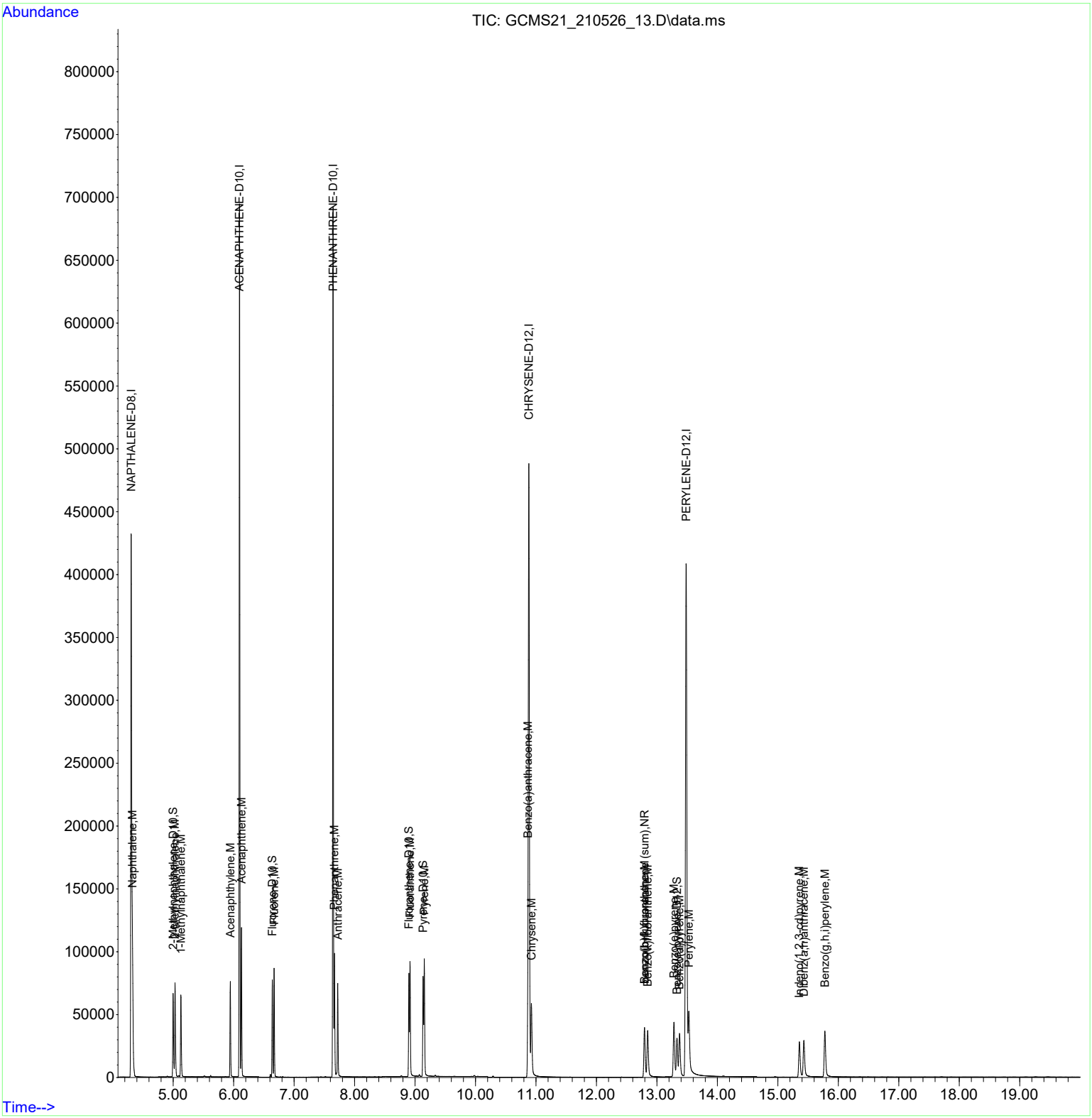
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.306	136	468030	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	260650	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	489485	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	472860	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	462282	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	28717	48.12	ng/mL	0.00
9) Fluorene-D10	6.639	176	29759	49.06	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	50744	46.40	ng/mL	0.00
17) Pyrene-D10	9.132	212	52853	49.00	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	35235	44.24	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	44758	49.82	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	30019	47.13	ng/mL	100
5) 1-Methylnaphthalene	5.129	142	26204	45.71	ng/mL	100
7) Acenaphthylene	5.946	152	40440	48.15	ng/mL	100
8) Acenaphthene	6.130	153	31088	48.83	ng/mL	99
10) Fluorene	6.670	166	33506	46.28	ng/mL	99
12) Phenanthrene	7.667	178	54938	45.86	ng/mL	100
13) Anthracene	7.722	178	45622	44.19	ng/mL	99
15) Fluoranthene	8.916	202	56570	45.67	ng/mL	100
18) Pyrene	9.153	202	58615	48.75	ng/mL	100
19) Benzo(a)anthracene	10.868	228	47513	49.93	ng/mL	99
20) Chrysene	10.925	228	55278	50.61	ng/mL	99
22) Benzo(b)fluoranthene	12.795	252	47241	51.90	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	48128	47.46	ng/mL	99
24) benzo(b+k)fluoranthene...	12.795	252	98198m	101.41	ng/mL	
25) Benzo(e)pyrene	13.283	252	47564	50.67	ng/mL	99
27) Benzo(a)pyrene	13.374	252	38746	42.61	ng/mL	99
28) Perylene	13.529	252	48432	49.08	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.356	276	32461	41.53	ng/mL	100
30) Dibenz(a,h)anthracene	15.430	278	31361	37.73	ng/mL	99
31) Benzo(g,h,i)perylene	15.778	276	43279	44.67	ng/mL	100

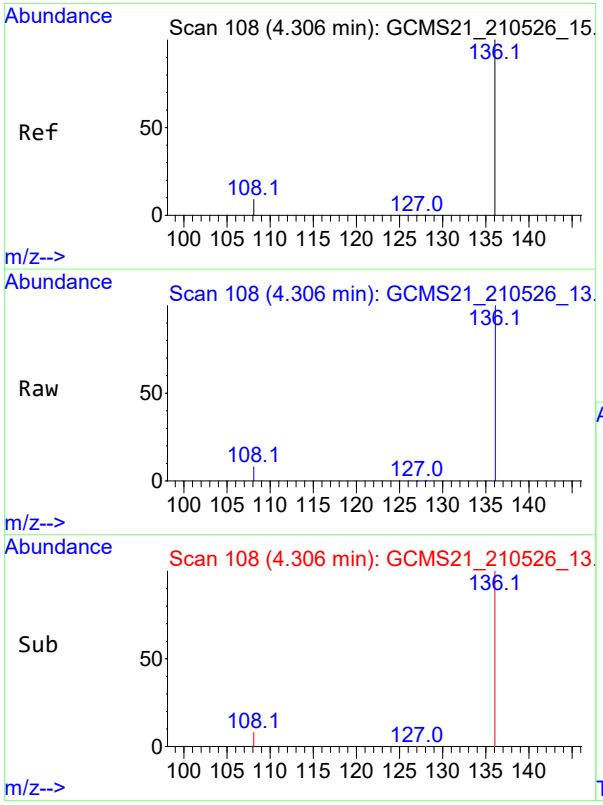
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_13.D
Acq On : 26 May 2021 15:57
Operator : MN GCMS21
Sample : CAL5_50ng/mL
Misc : LIMS 21B0105
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 02 11:54:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

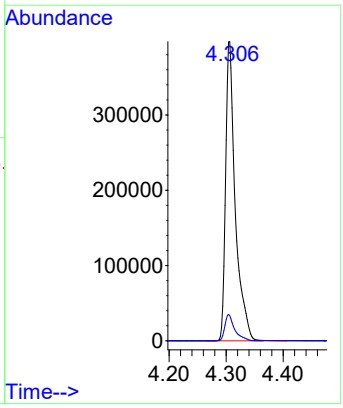


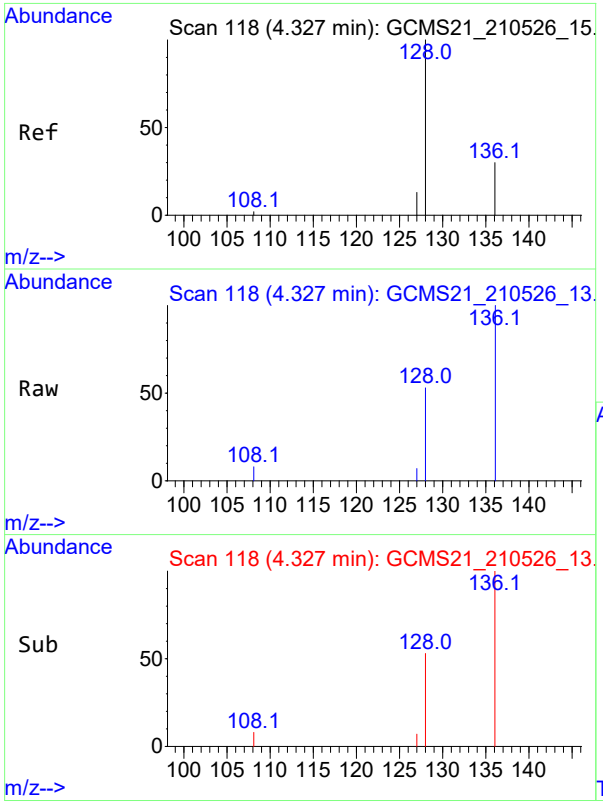


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:136 Resp: 468030

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	29.0

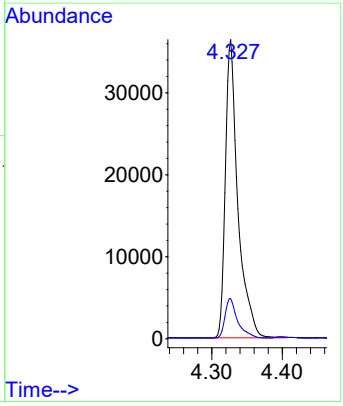


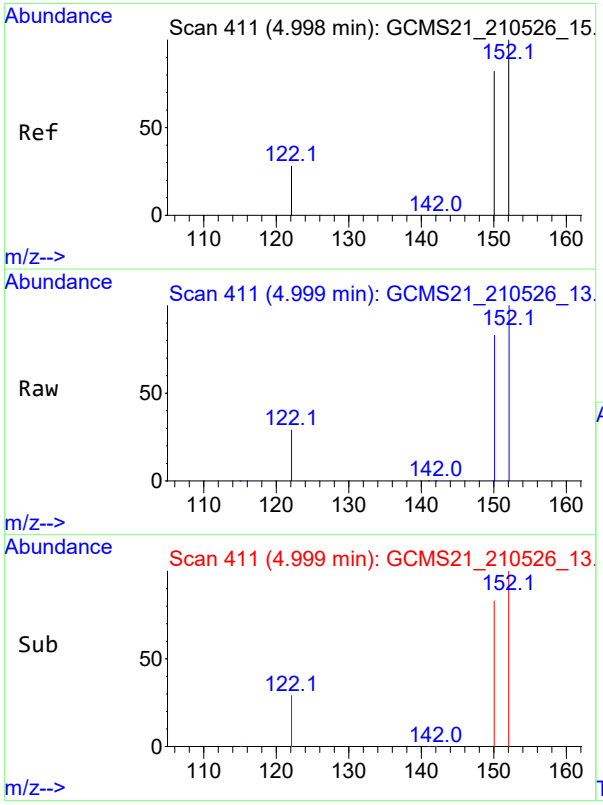


#2
Naphthalene
Concen: 49.82 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:128 Resp: 44758

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

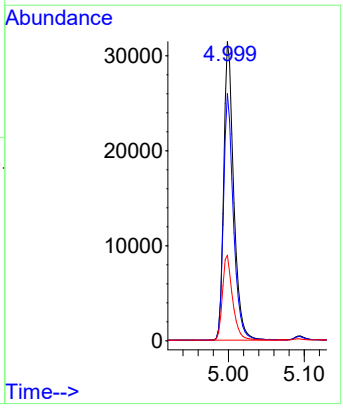


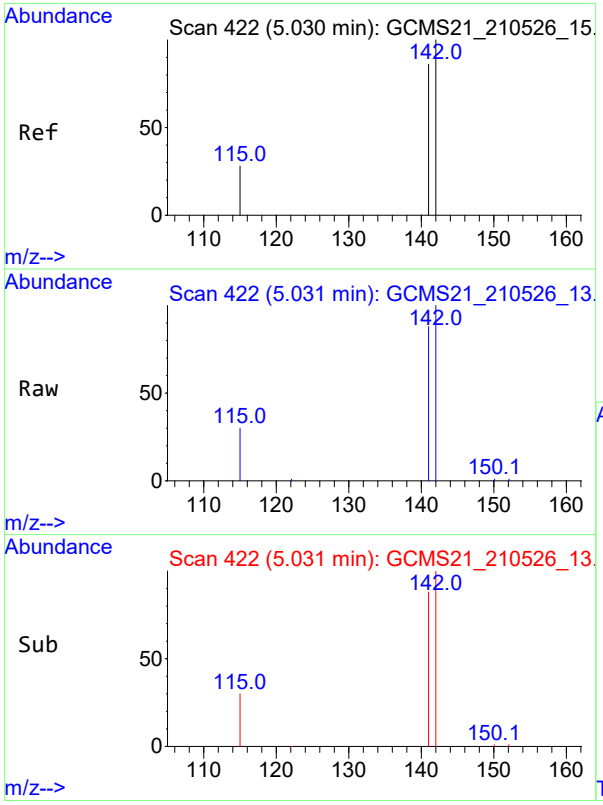


#3
2-Methylnaphthalene-D10
Concen: 48.12 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:152 Resp: 28717

Ion	Ratio	Lower	Upper
152	100		
150	82.1	57.5	106.7
122	28.7	20.1	37.3

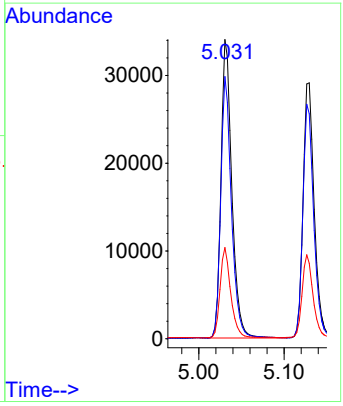


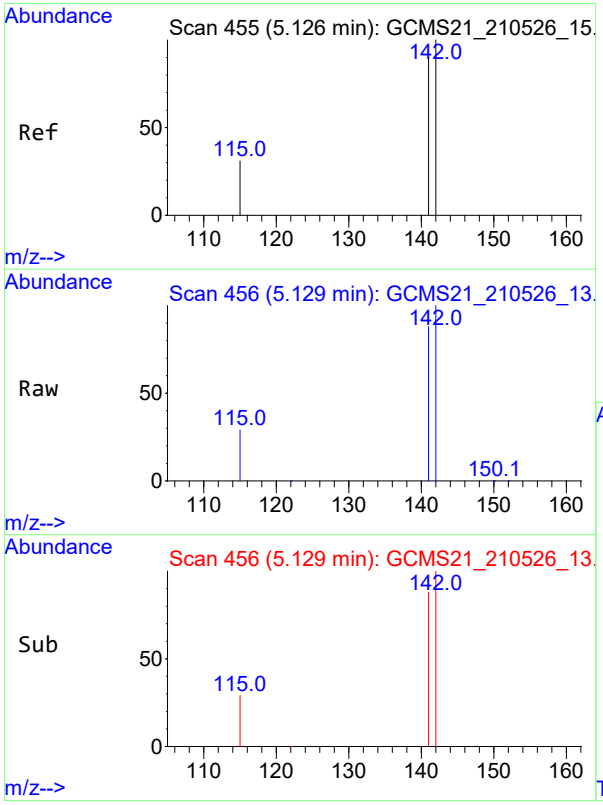


#4
2-Methylnaphthalene
Concen: 47.13 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:142 Resp: 30019

Ion	Ratio	Lower	Upper
142	100		
141	86.6	56.5	116.5
115	29.7	0.0	59.3

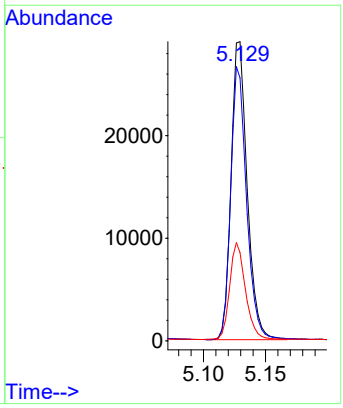


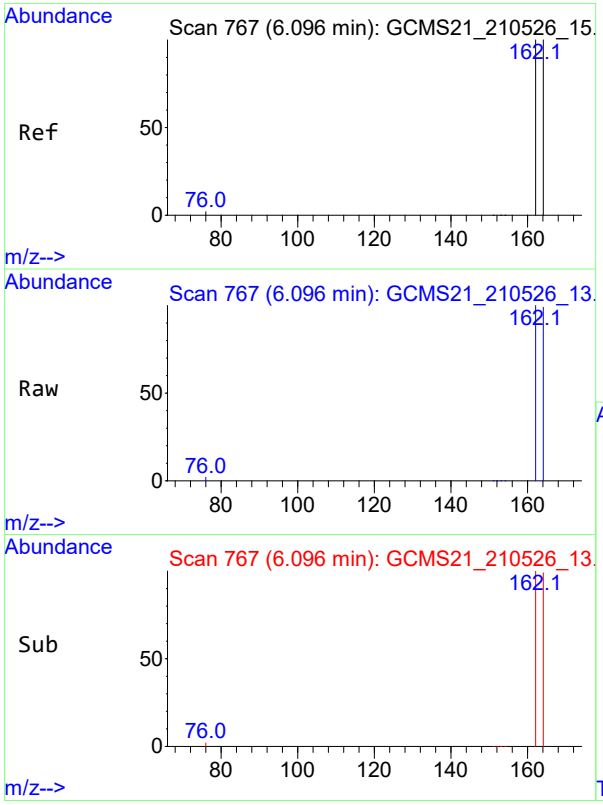


#5
1-Methylnaphthalene
Concen: 45.71 ng/mL
RT: 5.129 min Scan# 456
Delta R.T. 0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:142 Resp: 26204

Ion	Ratio	Lower	Upper
142	100		
141	89.8	59.6	119.6
115	31.7	1.2	61.2

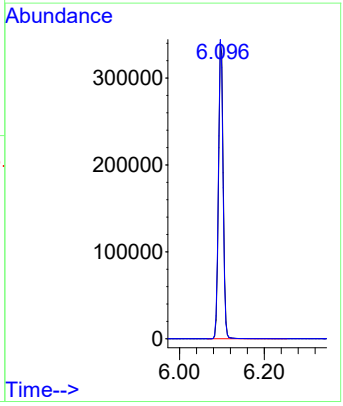


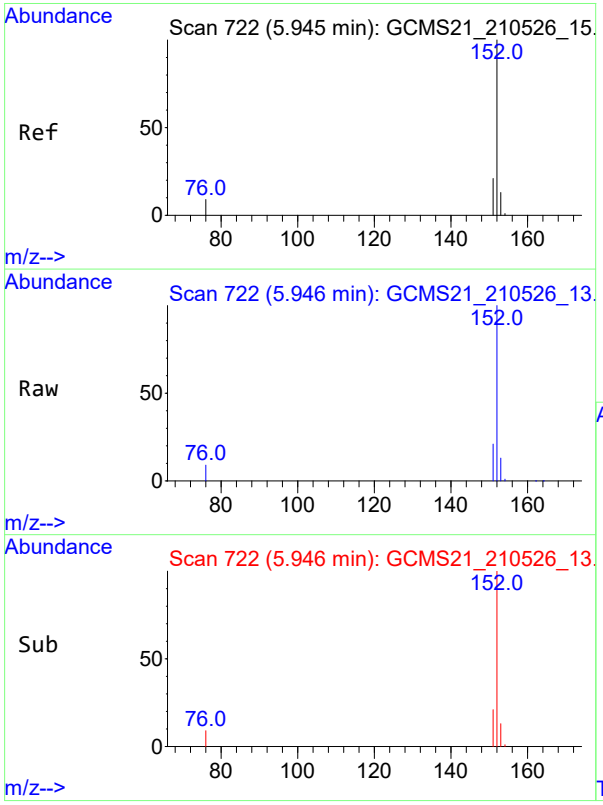


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:164 Resp: 260650

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.5	119.5

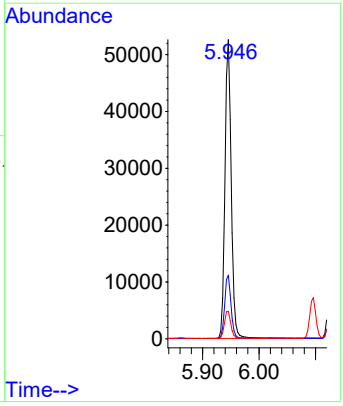


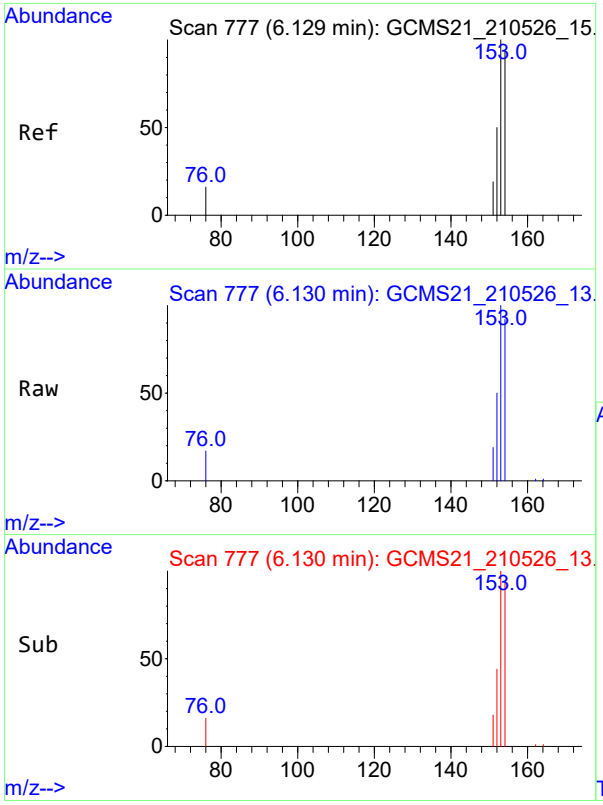


#7
Acenaphthylene
Concen: 48.15 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:152 Resp: 40440

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	51.5
76	9.3	0.0	39.5

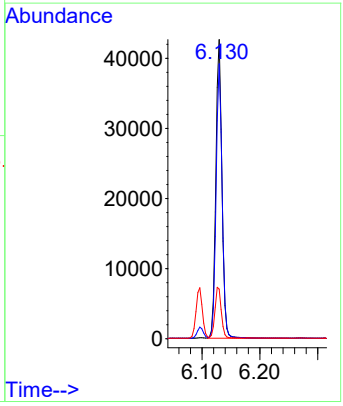


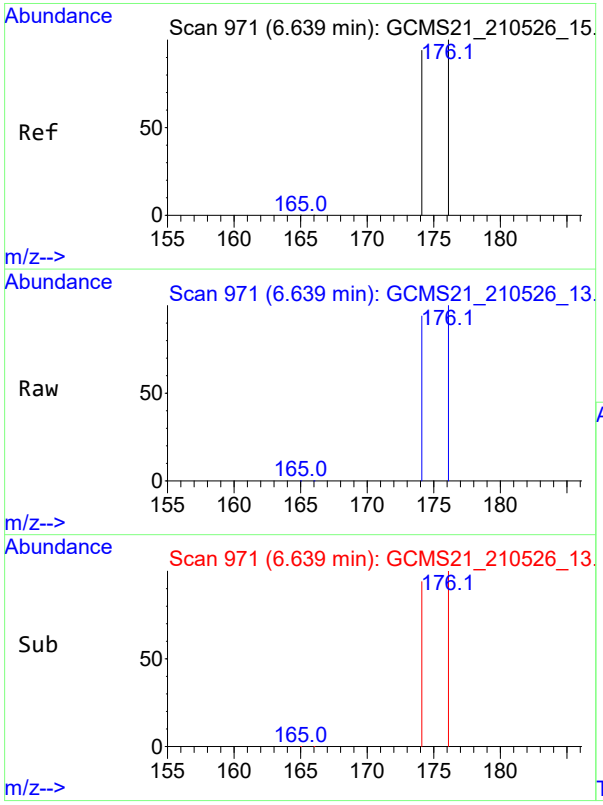


#8
Acenaphthene
Concen: 48.83 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:153 Resp: 31088

Ion	Ratio	Lower	Upper
153	100		
154	91.3	61.9	121.9
76	17.7	0.0	47.6

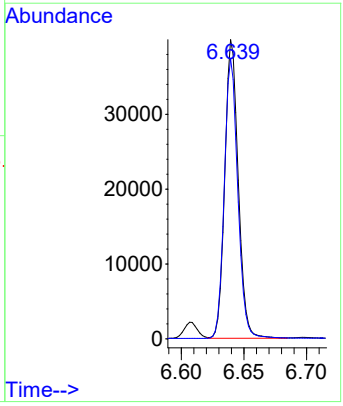


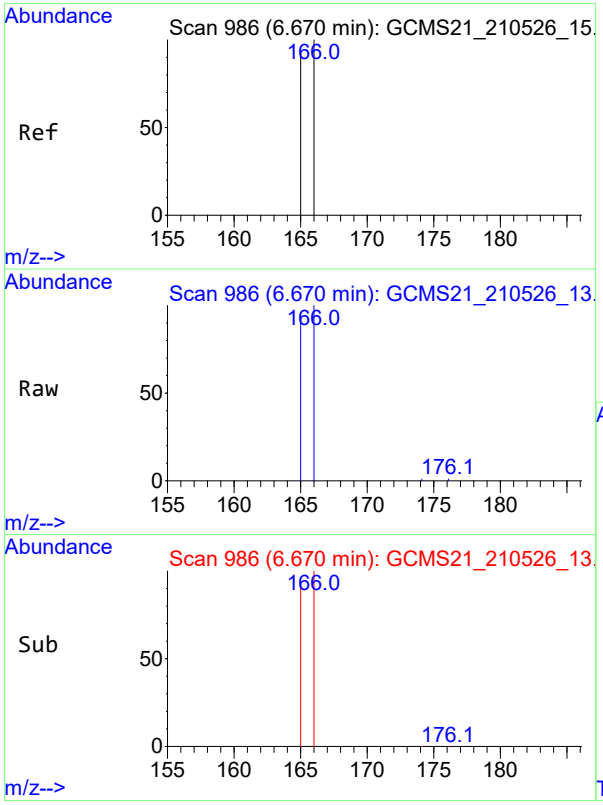


#9
Fluorene-D10
Concen: 49.06 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:176 Resp: 29759

Ion	Ratio	Lower	Upper
176	100		
174	94.3	66.0	122.6

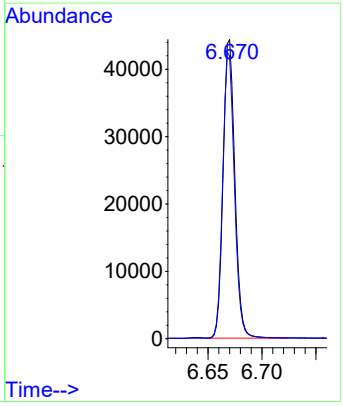


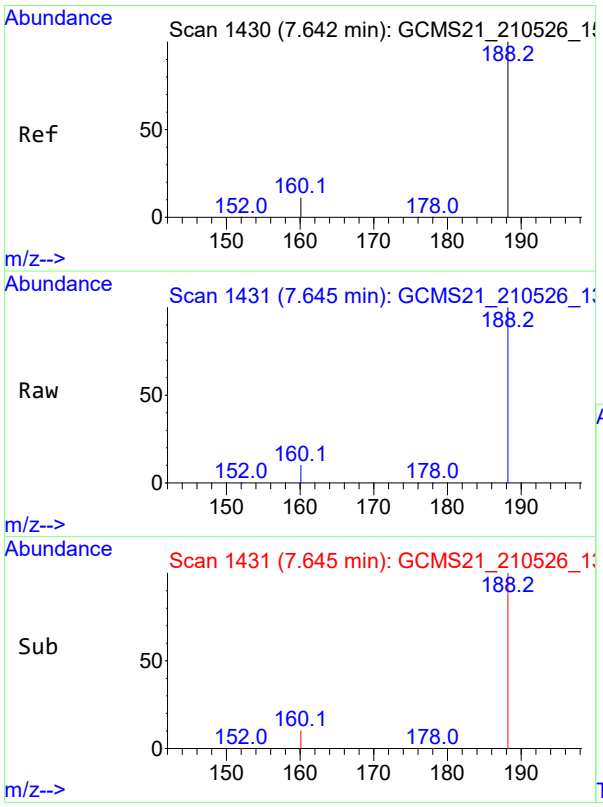


#10
Fluorene
Concen: 46.28 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:166 Resp: 33506

Ion	Ratio	Lower	Upper
166	100		
165	96.1	65.4	125.4

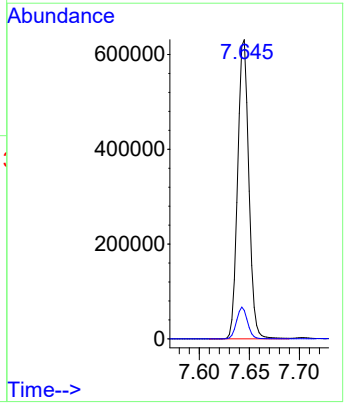


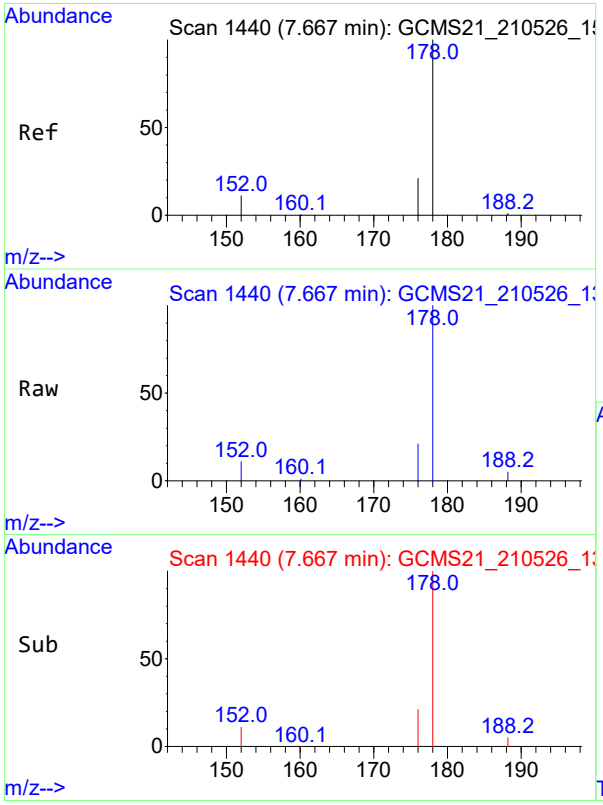


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:188 Resp: 489485

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

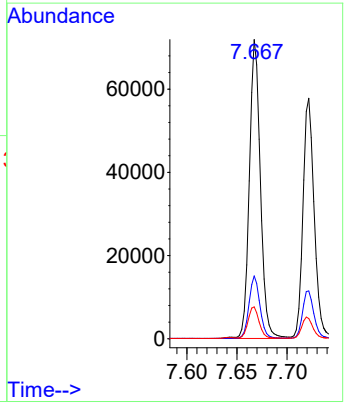


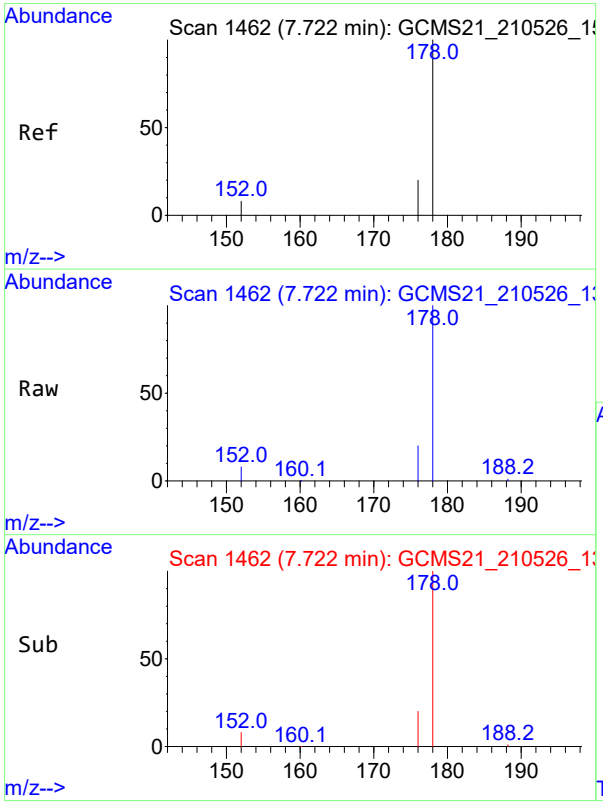


#12
Phenanthrene
Concen: 45.86 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:178 Resp: 54938

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	50.9
152	10.6	0.0	40.7

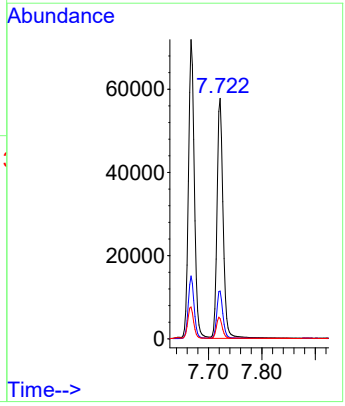


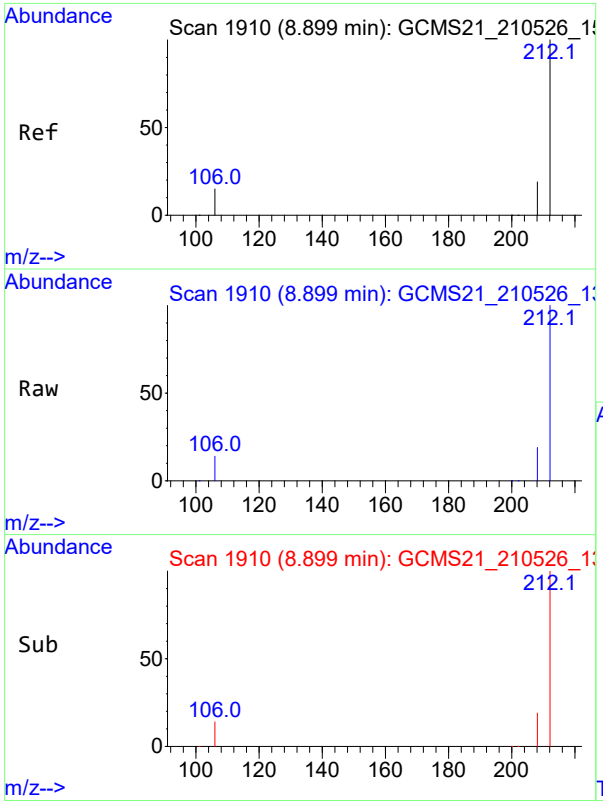


#13
Anthracene
Concen: 44.19 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:178 Resp: 45622

Ion	Ratio	Lower	Upper
178	100		
176	19.7	0.0	50.2
152	8.7	0.0	38.7

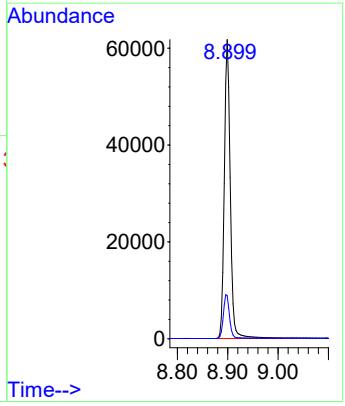


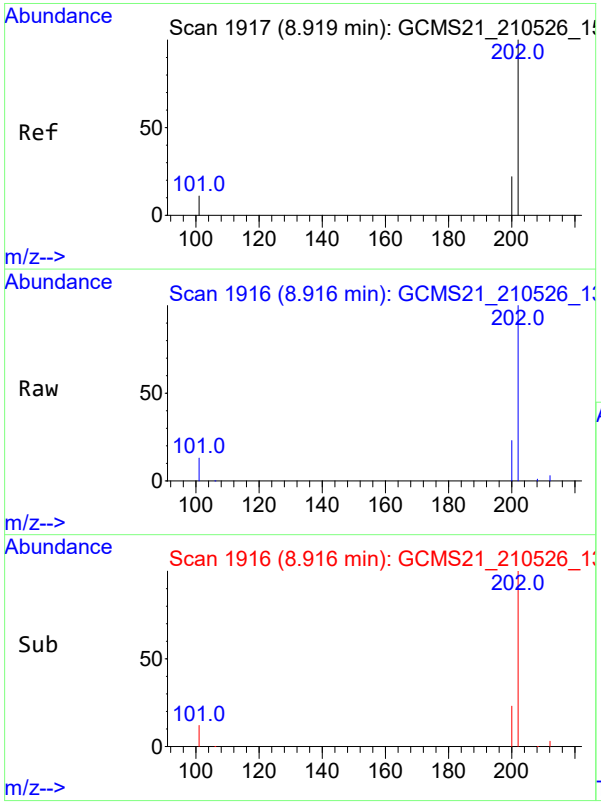


#14
Fluoranthene-D10
Concen: 46.40 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:212 Resp: 50744

Ion	Ratio	Lower	Upper
212	100		
106	15.1	10.6	19.6

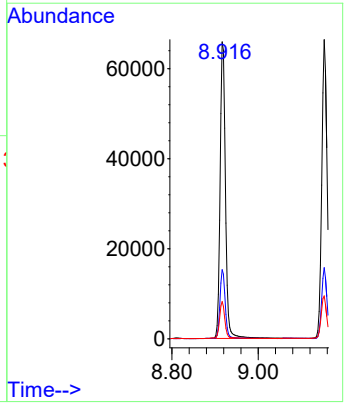


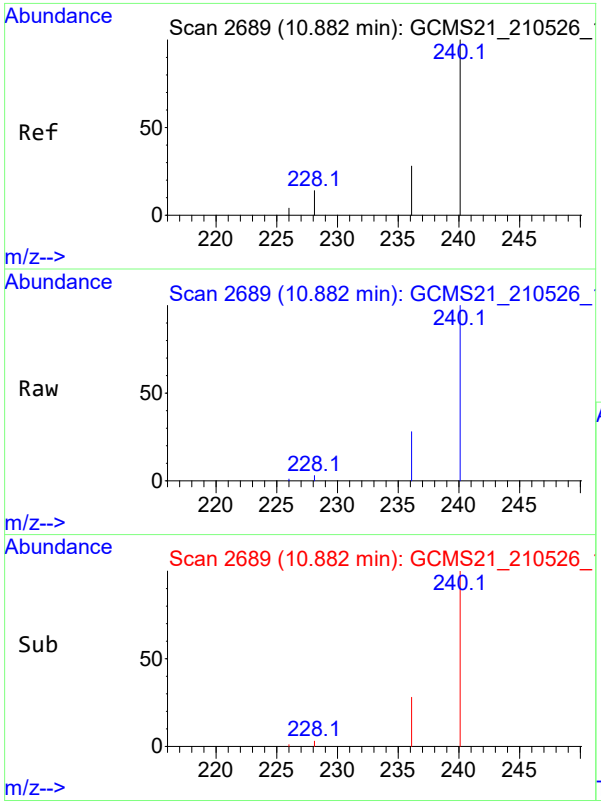


#15
Fluoranthene
Concen: 45.67 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:202 Resp: 56570

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	53.2
101	12.3	0.0	42.4

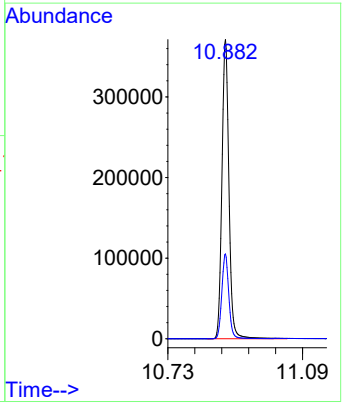


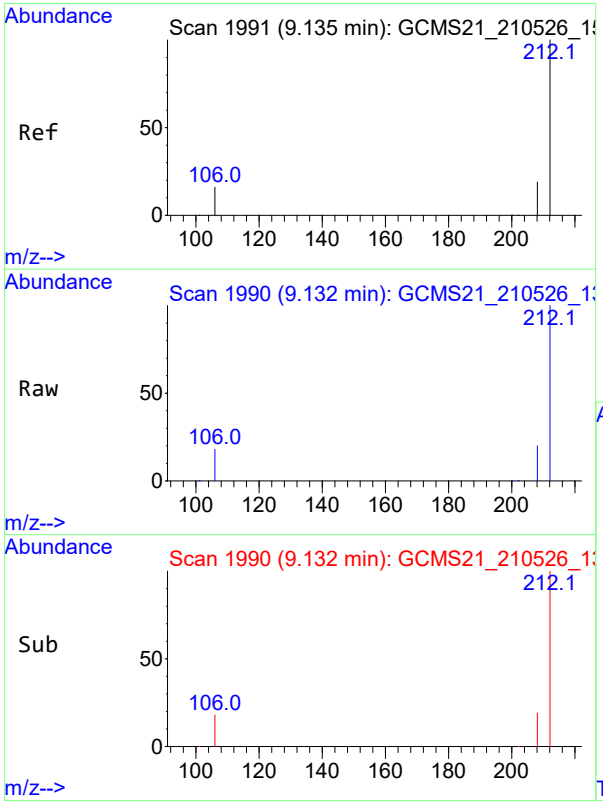


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:240 Resp: 472860

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

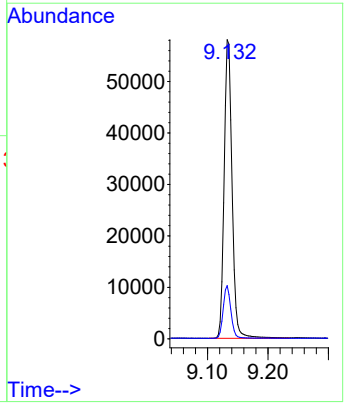


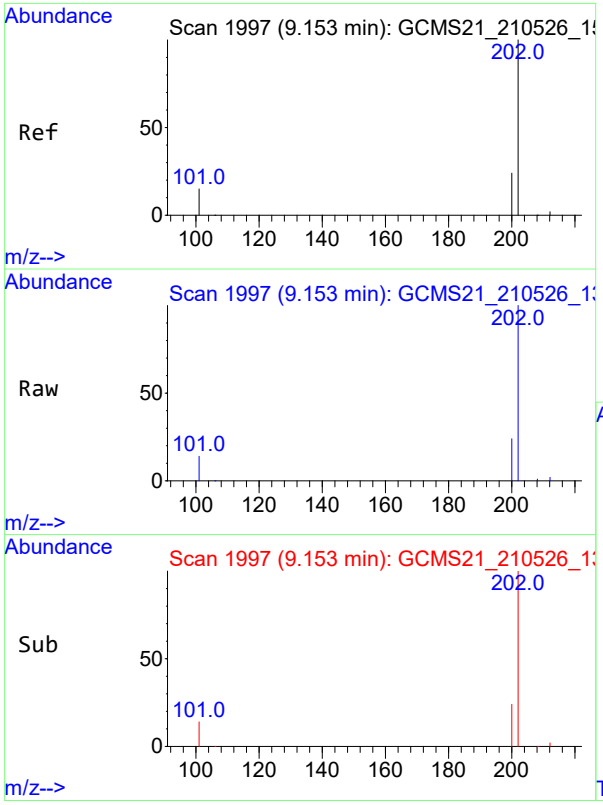


#17
Pyrene-D10
Concen: 49.00 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. -0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:212 Resp: 52853

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.2	22.6

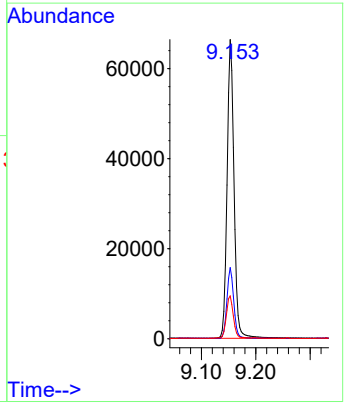


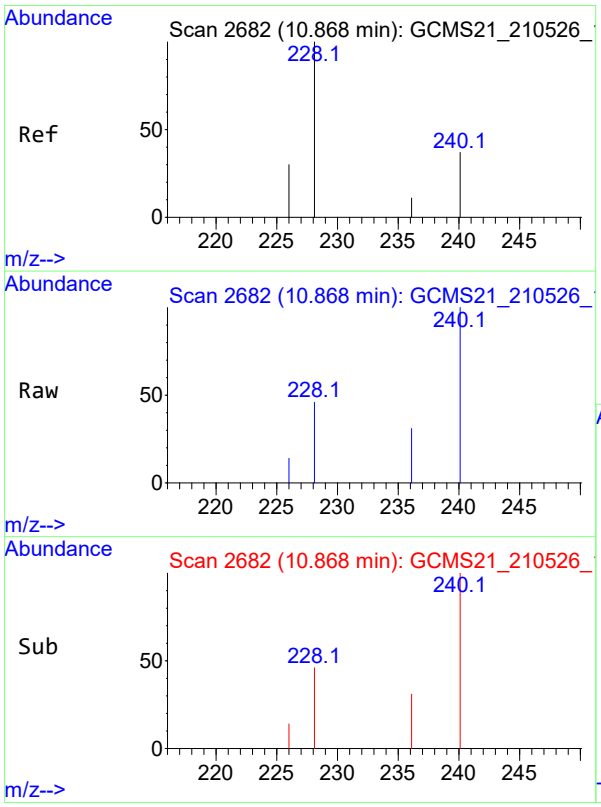


#18
Pyrene
Concen: 48.75 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:202 Resp: 58615

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.6
101	14.3	0.0	44.4

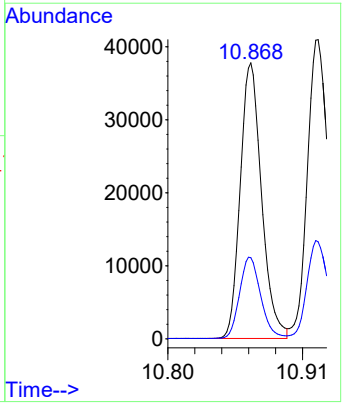


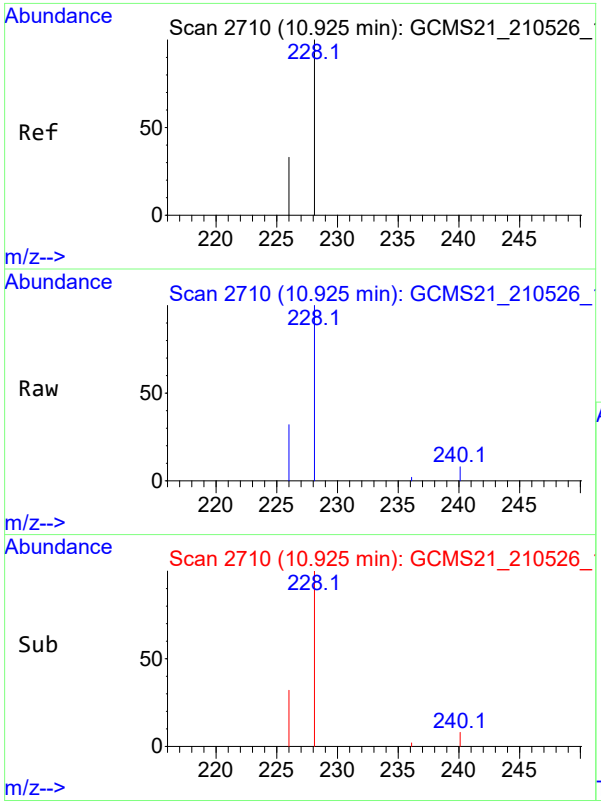


#19
Benzo(a)anthracene
Concen: 49.93 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:228 Resp: 47513

Ion	Ratio	Lower	Upper
228	100		
226	29.2	0.0	59.6

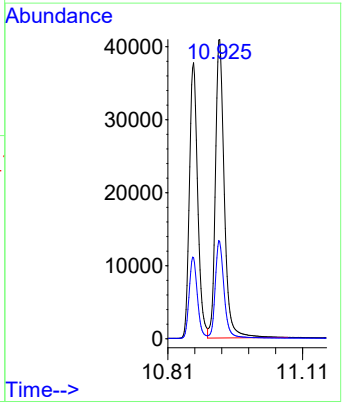


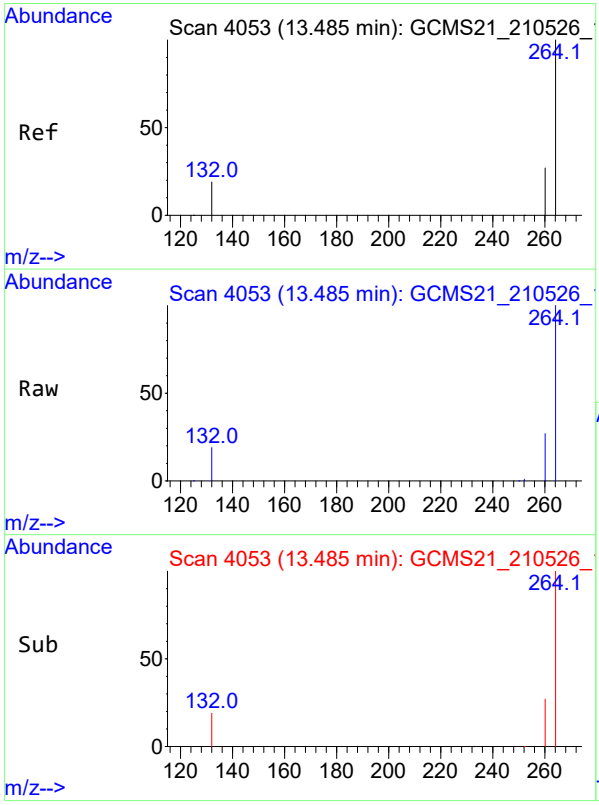


#20
Chrysene
Concen: 50.61 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:228 Resp: 55278

Ion	Ratio	Lower	Upper
228	100		
226	31.8	2.5	62.5

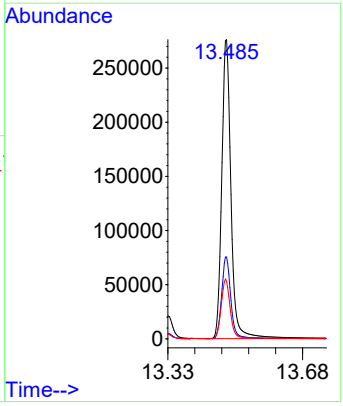


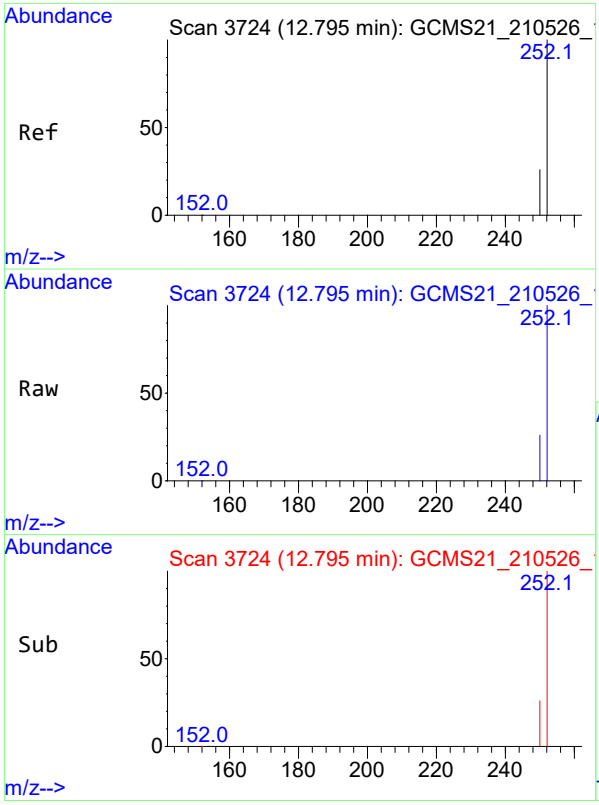


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:264 Resp: 462282

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.9	0.0	49.9

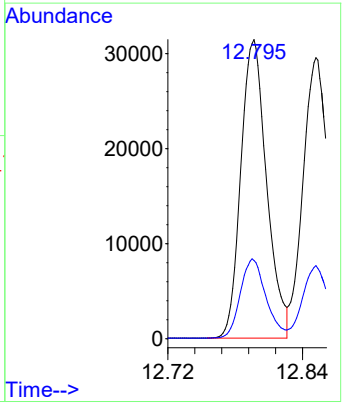


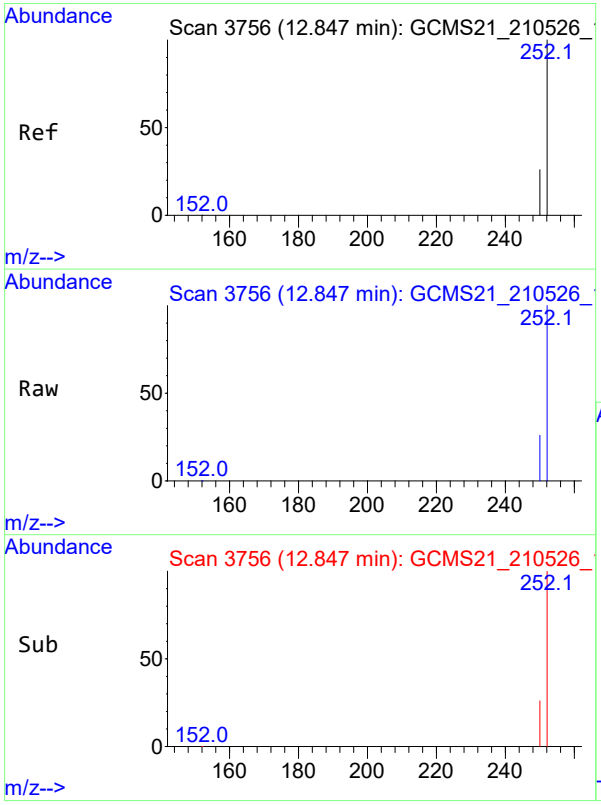


#22
Benzo(b)fluoranthene
Concen: 51.90 ng/mL
RT: 12.795 min Scan# 3724
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 47241

Ion	Ratio	Lower	Upper
252	100		
250	26.4	0.0	56.2

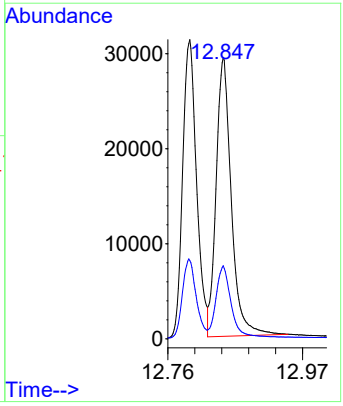


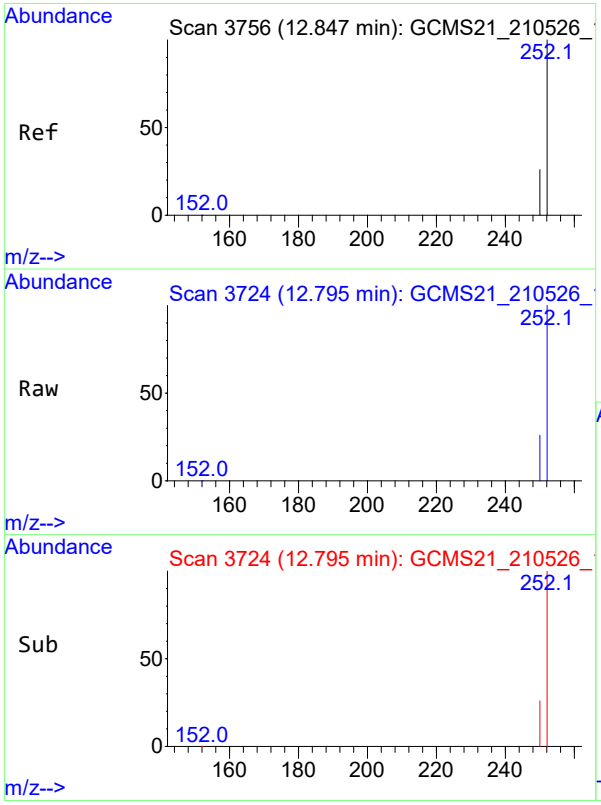


#23
Benzo(k)fluoranthene
Concen: 47.46 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 48128

Ion	Ratio	Lower	Upper
252	100		
250	24.9	0.0	55.4

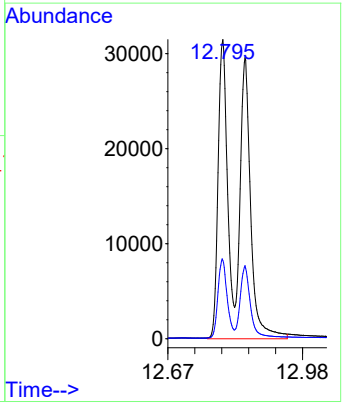


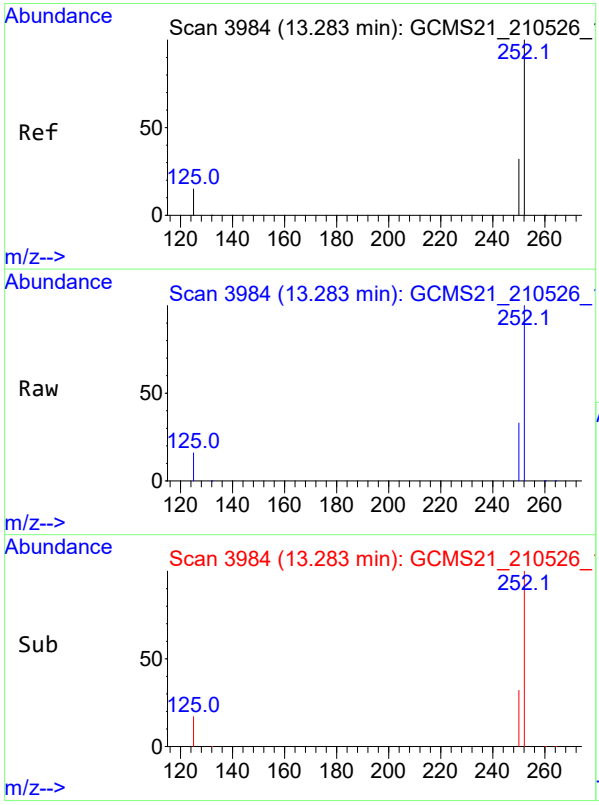


#24
benzo(b+k)fluoranthene (sum)
Concen: 101.41 ng/mL m
RT: 12.795 min Scan# 3724
Delta R.T. -0.052 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 98198

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	56.3

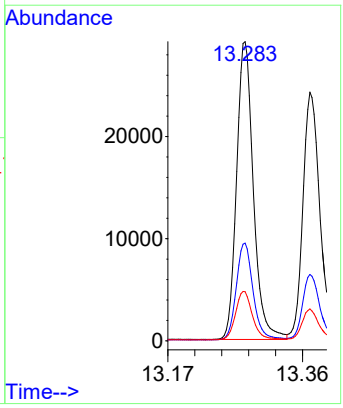


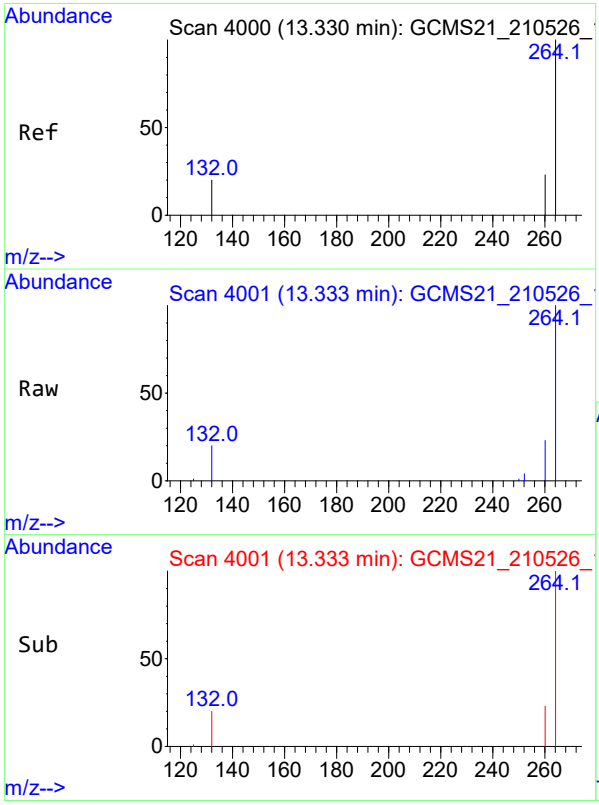


#25
Benzo(e)pyrene
Concen: 50.67 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 47564

Ion	Ratio	Lower	Upper
252	100		
250	32.6	2.4	62.4
125	16.4	0.0	46.0

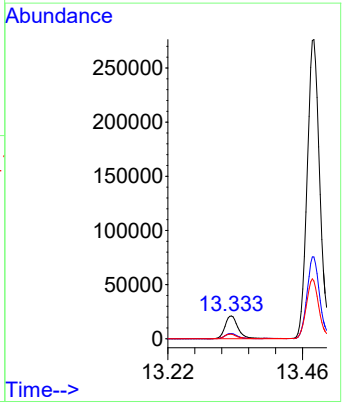


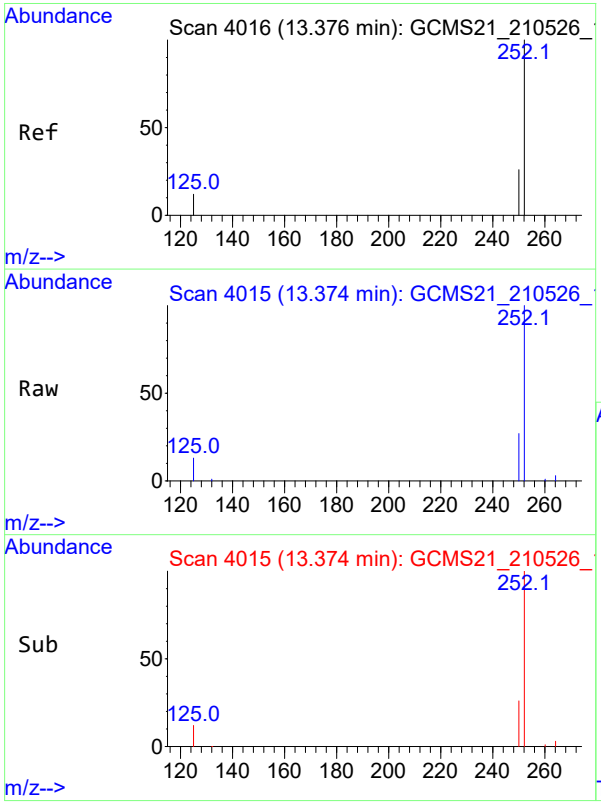


#26
Benzo(a)pyrene-D12
Concen: 44.24 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:264 Resp: 35235

Ion	Ratio	Lower	Upper
264	100		
260	22.6	0.0	52.7
132	19.4	0.0	49.5

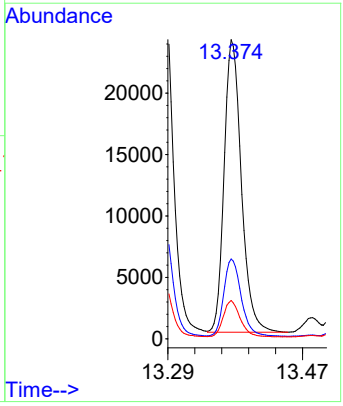


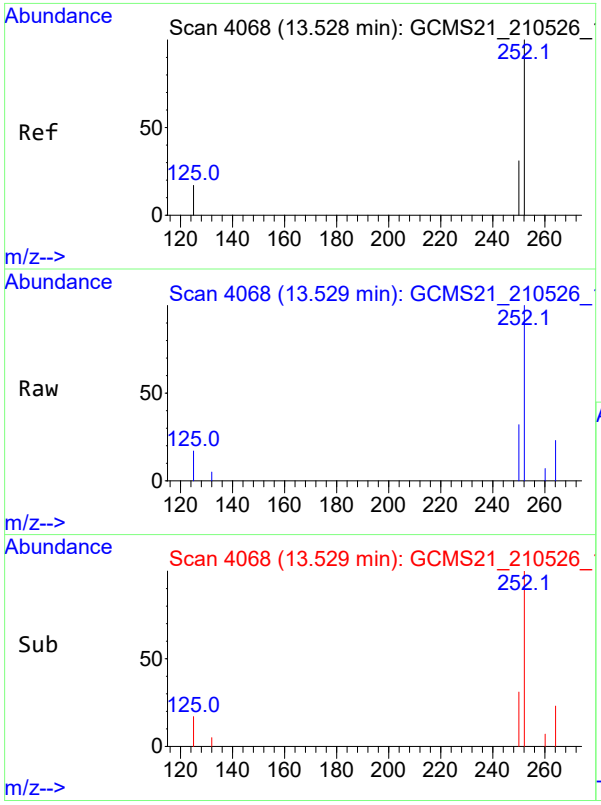


#27
Benzo(a)pyrene
Concen: 42.61 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 38746

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	57.2
125	12.3	0.0	42.3

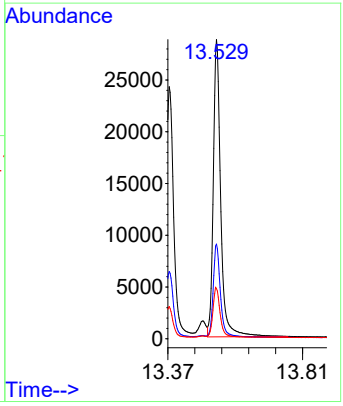


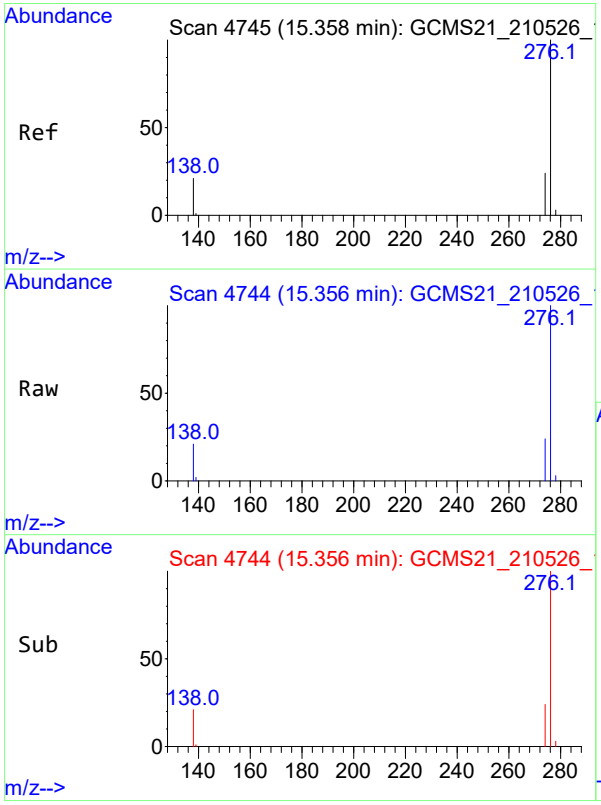


#28
Perylene
Concen: 49.08 ng/mL
RT: 13.529 min Scan# 4068
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 48432

Ion	Ratio	Lower	Upper
252	100		
250	30.5	1.1	61.1
125	15.8	0.0	46.2

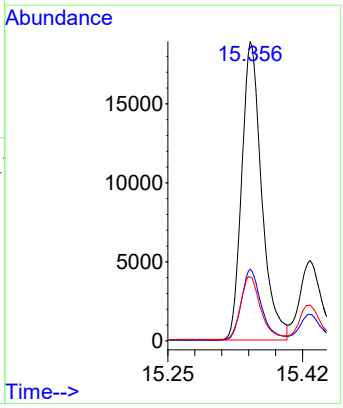


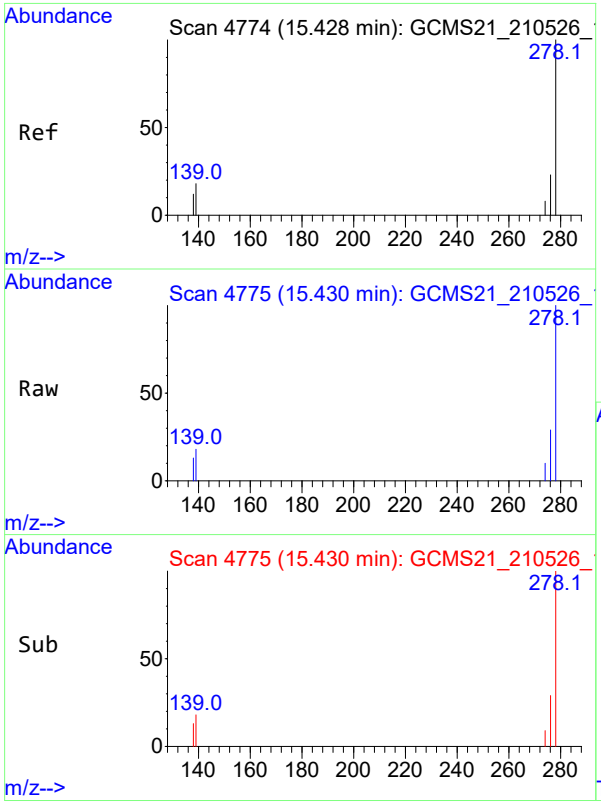


#29
Indeno(1,2,3-cd)pyrene
Concen: 41.53 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. -0.002 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:276 Resp: 32461

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.7
138	21.2	0.0	51.1

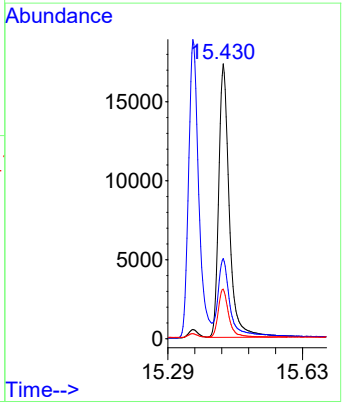


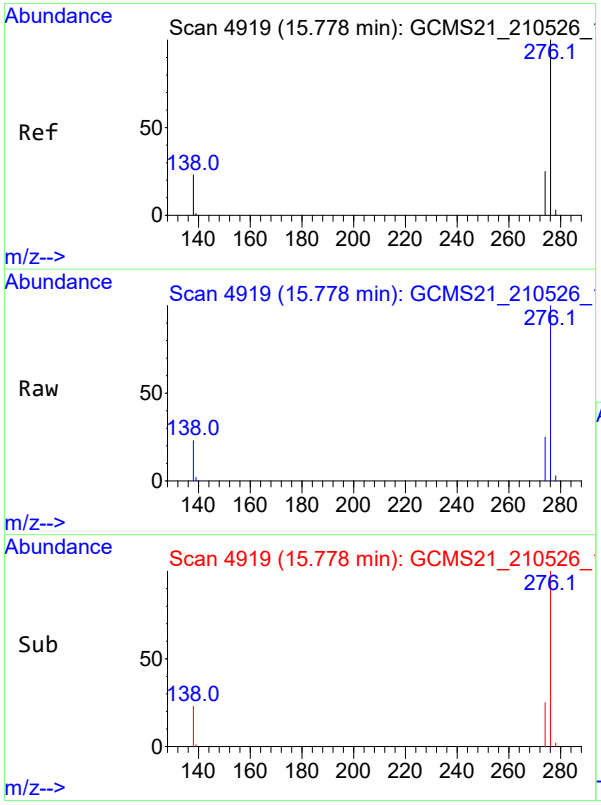


#30
Dibenz(a,h)anthracene
Concen: 37.73 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:278 Resp: 31361

Ion	Ratio	Lower	Upper
278	100		
276	31.8	2.7	62.7
139	17.1	0.0	47.4

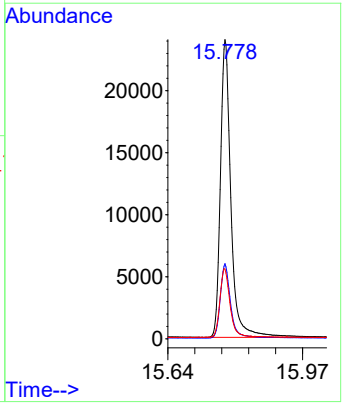




#31
Benzo(g,h,i)perylene
Concen: 44.67 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:276 Resp: 43279

Ion	Ratio	Lower	Upper
276	100		
274	24.6	0.0	54.7
138	22.5	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_13.D
Acq On : 26 May 2021 15:57
Operator : MN GCMS21
Sample : CAL5_50ng/mL
Misc : LIMS 21B0105
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 02 11:54:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

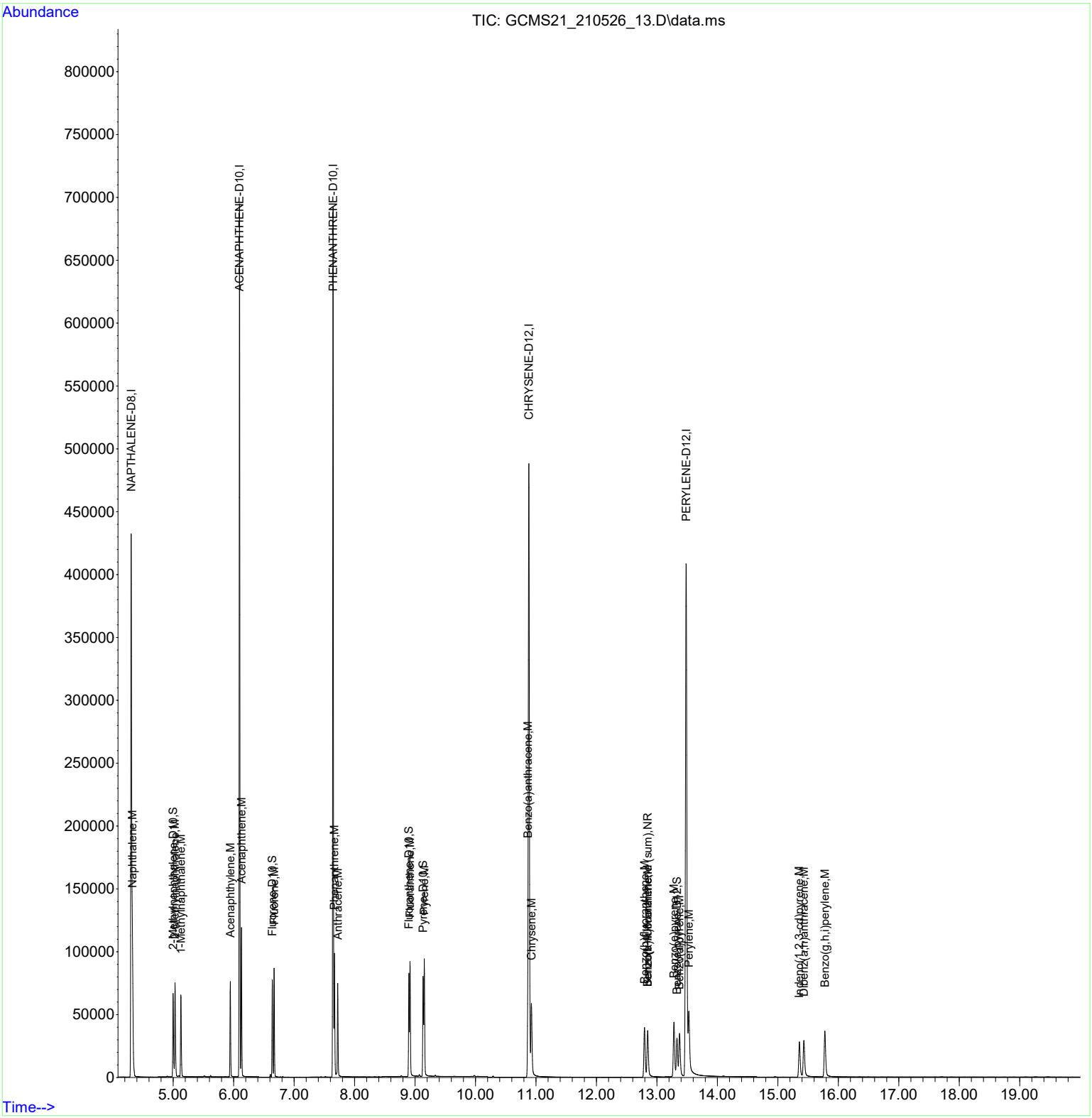
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.306	136	468030	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	260650	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	489485	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	472860	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	462282	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	28717	48.12	ng/mL	0.00
9) Fluorene-D10	6.639	176	29759	49.06	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	50744	46.40	ng/mL	0.00
17) Pyrene-D10	9.132	212	52853	49.00	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	35235	44.24	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	44758	49.82	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	30019	47.13	ng/mL	100
5) 1-Methylnaphthalene	5.129	142	26204	45.71	ng/mL	100
7) Acenaphthylene	5.946	152	40440	48.15	ng/mL	100
8) Acenaphthene	6.130	153	31088	48.83	ng/mL	99
10) Fluorene	6.670	166	33506	46.28	ng/mL	99
12) Phenanthrene	7.667	178	54938	45.86	ng/mL	100
13) Anthracene	7.722	178	45622	44.19	ng/mL	99
15) Fluoranthene	8.916	202	56570	45.67	ng/mL	100
18) Pyrene	9.153	202	58615	48.75	ng/mL	100
19) Benzo(a)anthracene	10.868	228	47513	49.93	ng/mL	99
20) Chrysene	10.925	228	55278	50.61	ng/mL	99
22) Benzo(b)fluoranthene	12.795	252	47241	51.90	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	48128	47.46	ng/mL	99
24) benzo(b+k)fluoranthene...	12.847	252	48128	49.70	ng/mL	97
25) Benzo(e)pyrene	13.283	252	47564	50.67	ng/mL	99
27) Benzo(a)pyrene	13.374	252	38746	42.61	ng/mL	99
28) Perylene	13.529	252	48432	49.08	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.356	276	32461	41.53	ng/mL	100
30) Dibenz(a,h)anthracene	15.430	278	31361	37.73	ng/mL	99
31) Benzo(g,h,i)perylene	15.778	276	43279	44.67	ng/mL	100

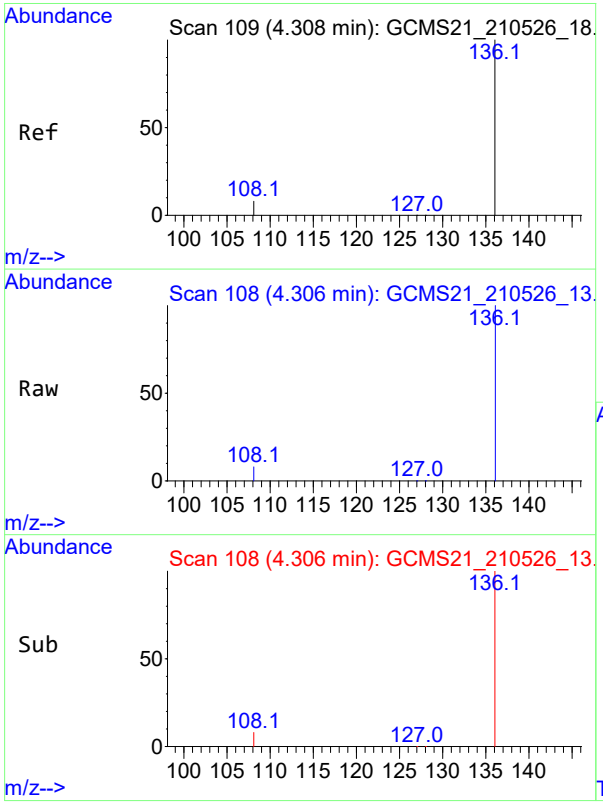
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_13.D
Acq On : 26 May 2021 15:57
Operator : MN GCMS21
Sample : CAL5_50ng/mL
Misc : LIMS 21B0105
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 02 11:54:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

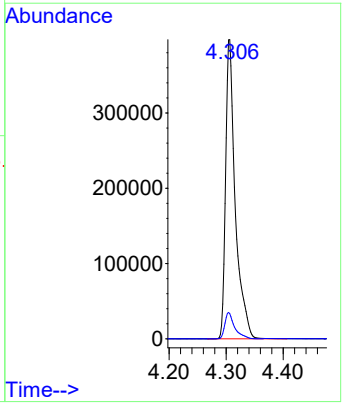


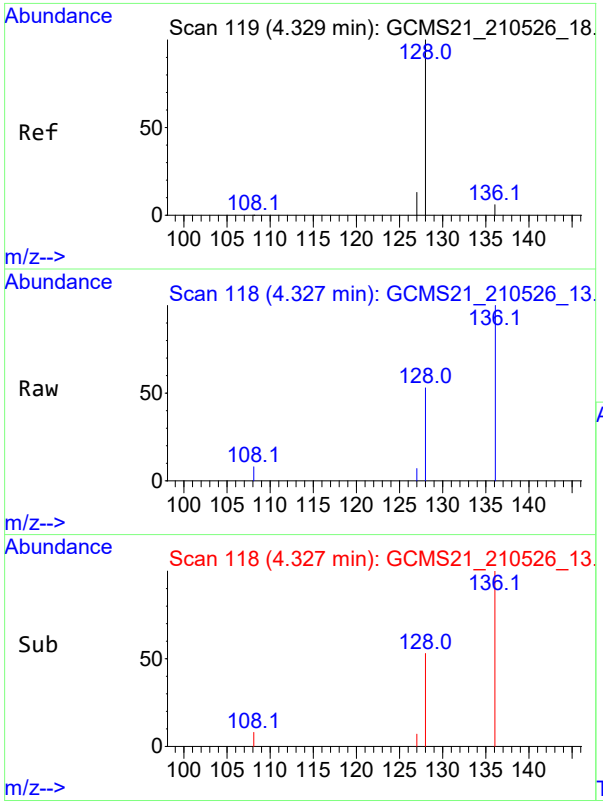


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:136 Resp: 468030

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	29.0

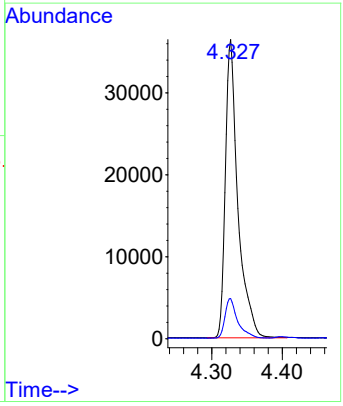


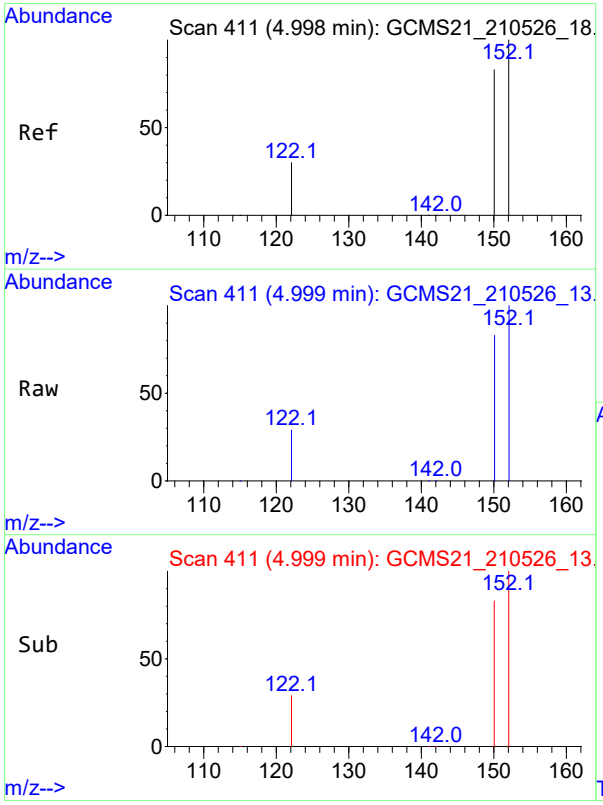


#2
Naphthalene
Concen: 49.82 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:128 Resp: 44758

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

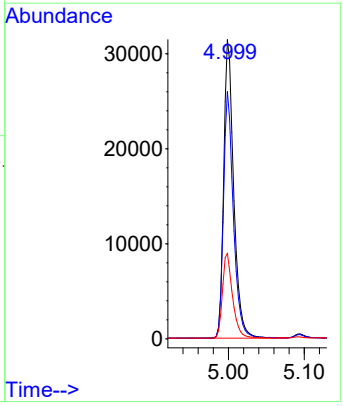


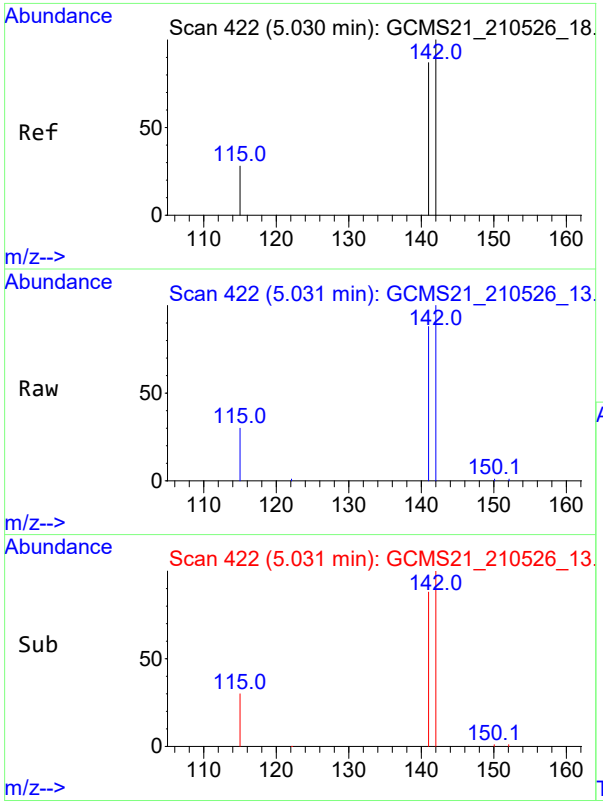


#3
2-Methylnaphthalene-D10
Concen: 48.12 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:152 Resp: 28717

Ion	Ratio	Lower	Upper
152	100		
150	82.1	57.5	106.7
122	28.7	20.1	37.3

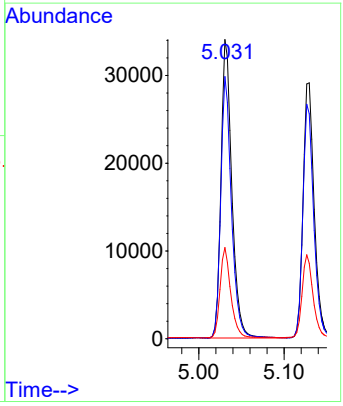


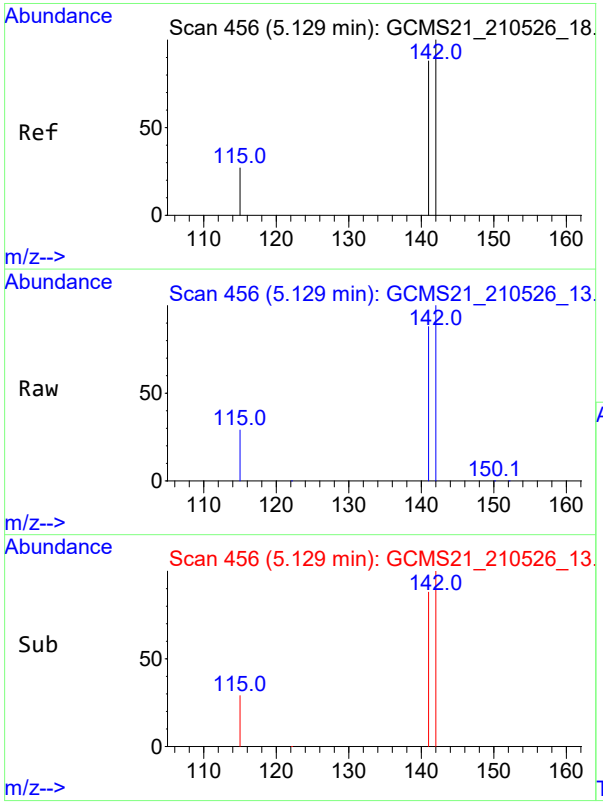


#4
2-Methylnaphthalene
Concen: 47.13 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:142 Resp: 30019

Ion	Ratio	Lower	Upper
142	100		
141	86.6	56.5	116.5
115	29.7	0.0	59.3

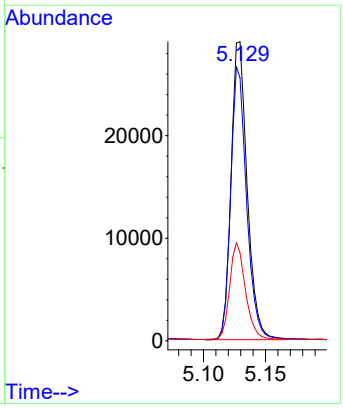


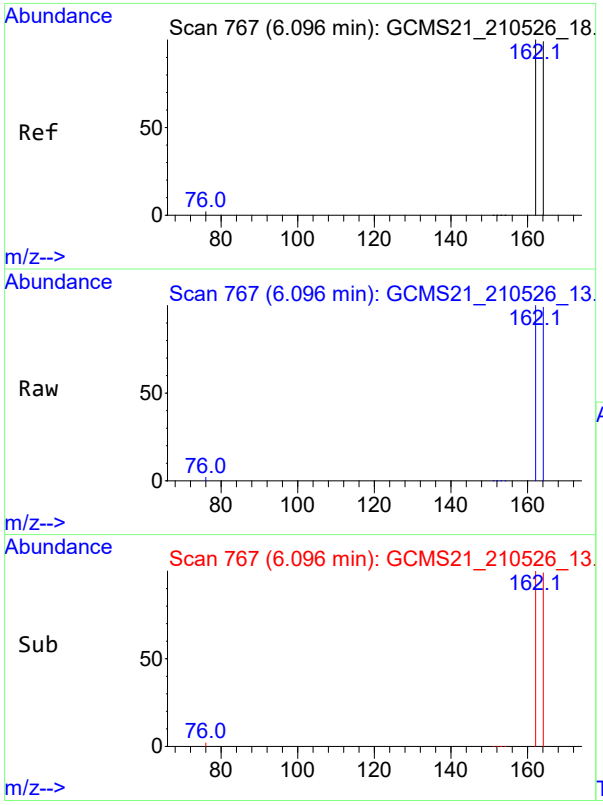


#5
1-Methylnaphthalene
Concen: 45.71 ng/mL
RT: 5.129 min Scan# 456
Delta R.T. 0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:142 Resp: 26204

Ion	Ratio	Lower	Upper
142	100		
141	89.8	59.6	119.6
115	31.7	1.2	61.2

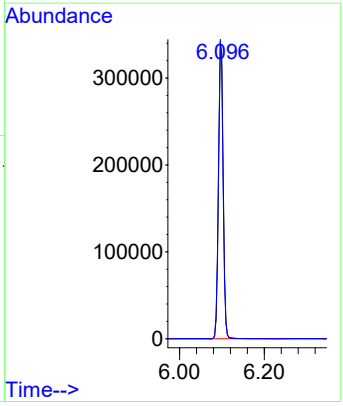


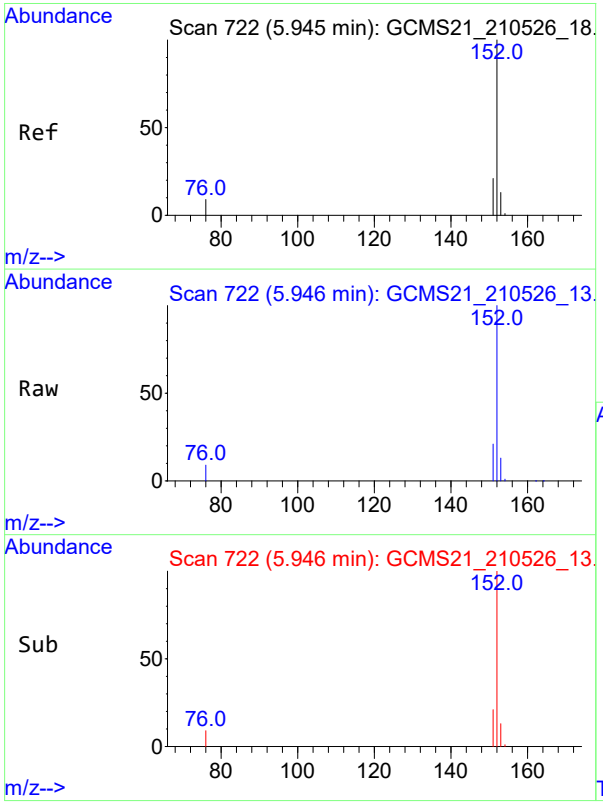


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:164 Resp: 260650

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.5	119.5

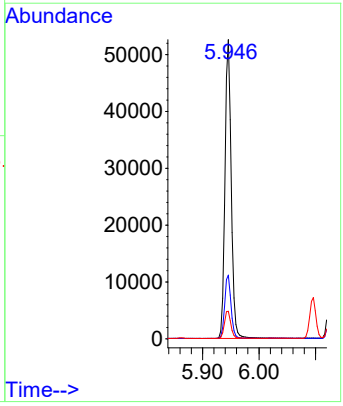


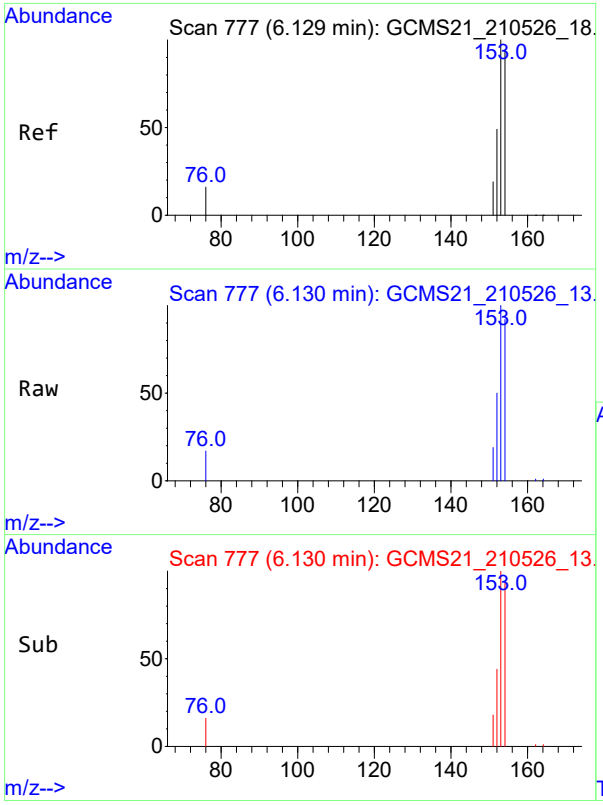


#7
Acenaphthylene
Concen: 48.15 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:152 Resp: 40440

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	51.5
76	9.3	0.0	39.5

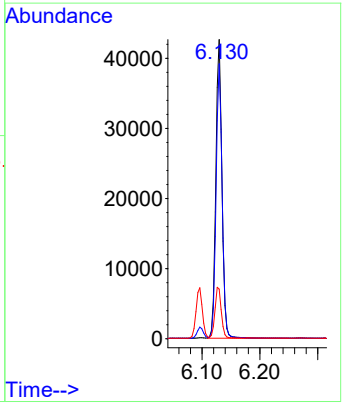


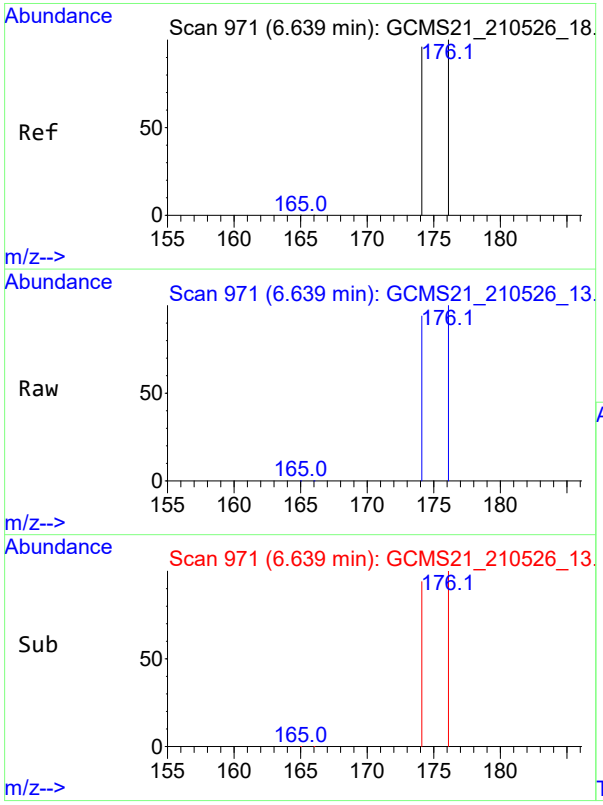


#8
Acenaphthene
Concen: 48.83 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:153 Resp: 31088

Ion	Ratio	Lower	Upper
153	100		
154	91.3	61.9	121.9
76	17.7	0.0	47.6

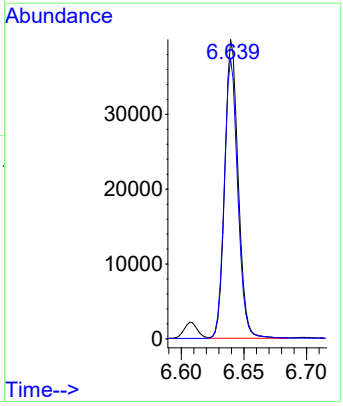


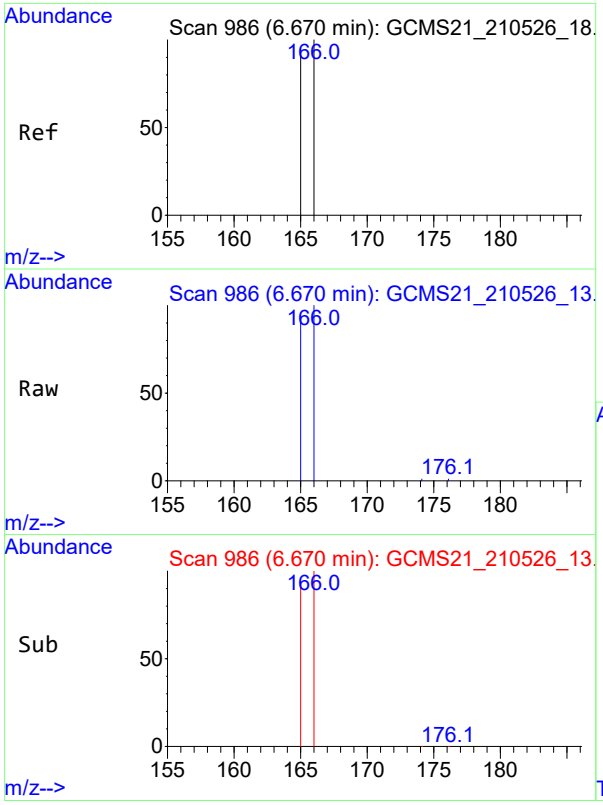


#9
Fluorene-D10
Concen: 49.06 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:176 Resp: 29759

Ion	Ratio	Lower	Upper
176	100		
174	94.3	66.0	122.6

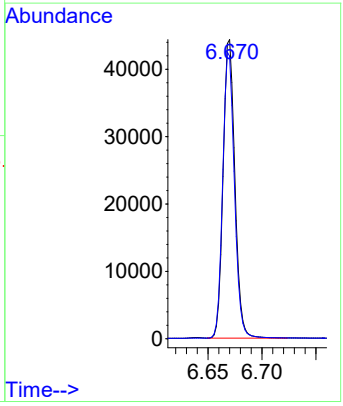


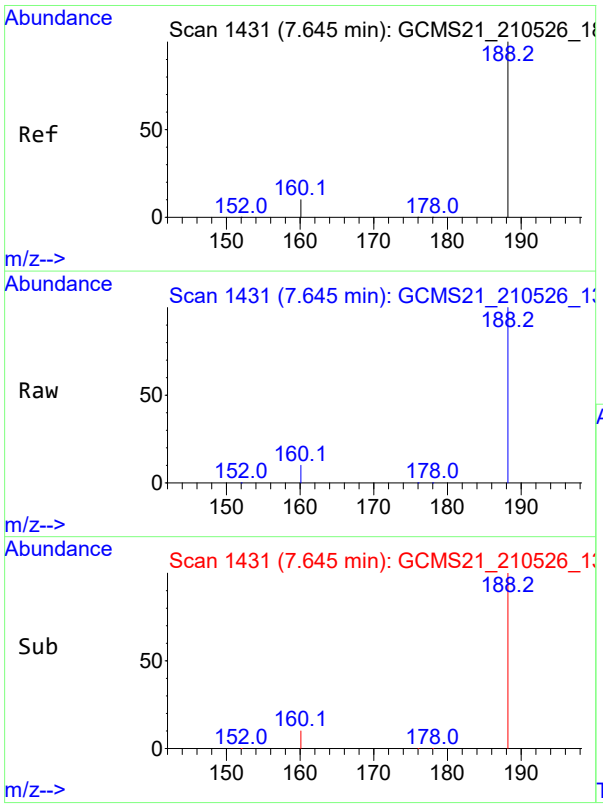


#10
Fluorene
Concen: 46.28 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:166 Resp: 33506

Ion	Ratio	Lower	Upper
166	100		
165	96.1	65.4	125.4

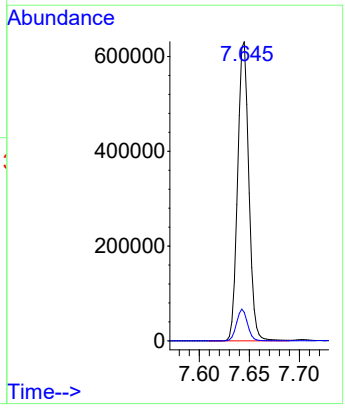


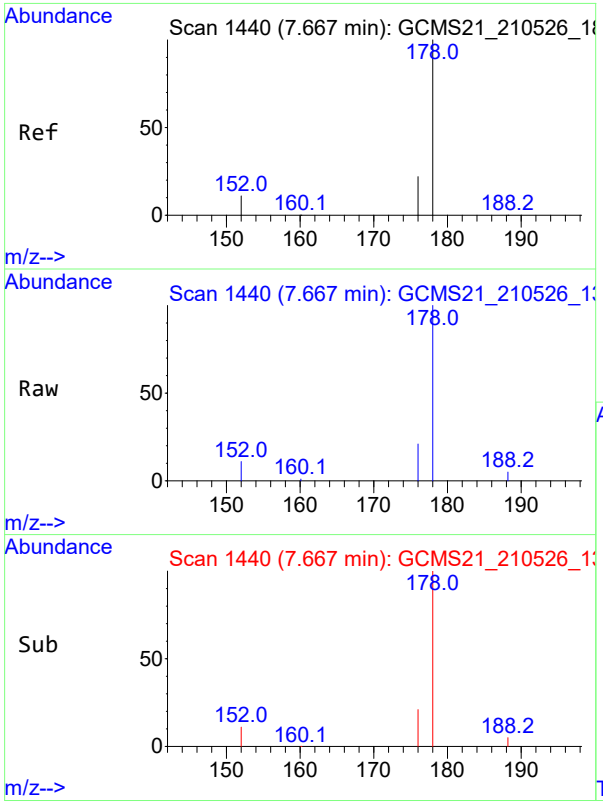


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:188 Resp: 489485

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

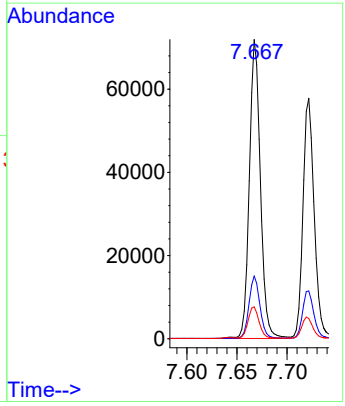


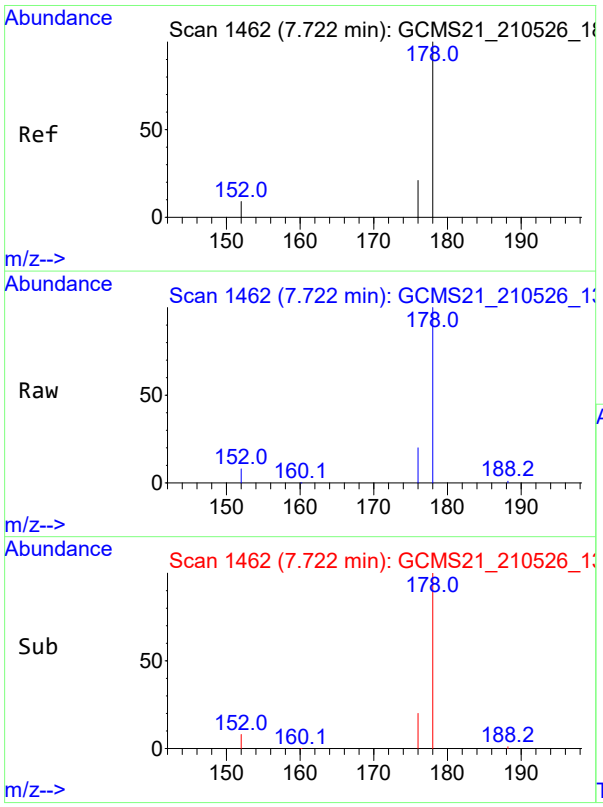


#12
Phenanthrene
Concen: 45.86 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:178 Resp: 54938

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	50.9
152	10.6	0.0	40.7

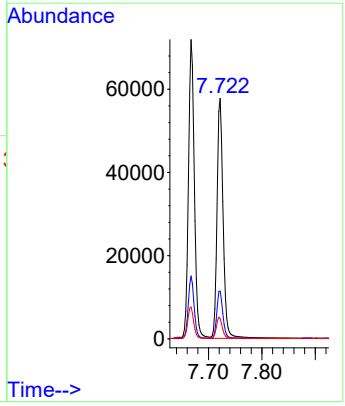


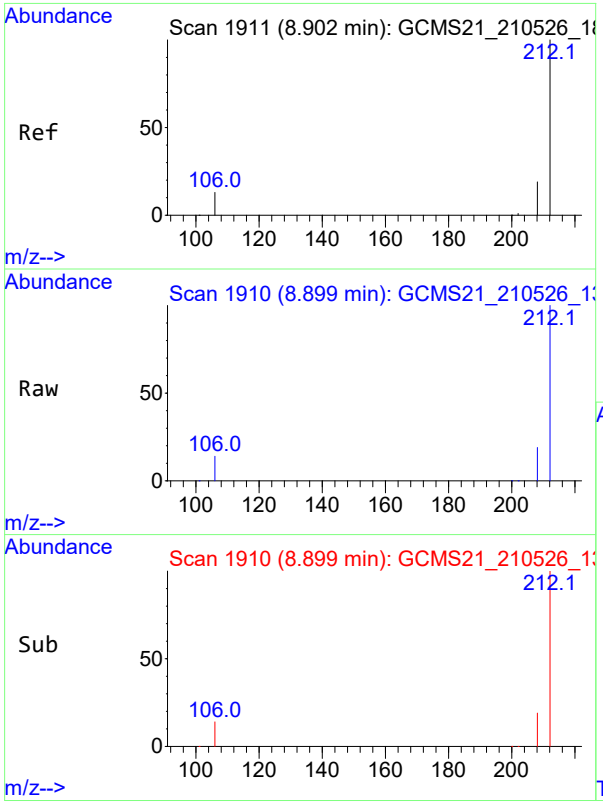


#13
Anthracene
Concen: 44.19 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:178 Resp: 45622

Ion	Ratio	Lower	Upper
178	100		
176	19.7	0.0	50.2
152	8.7	0.0	38.7

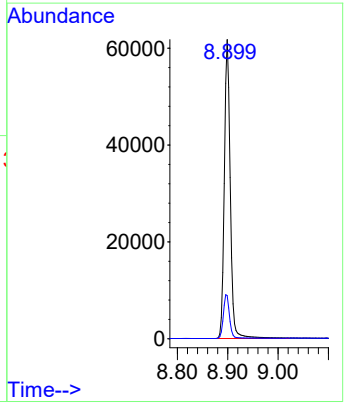


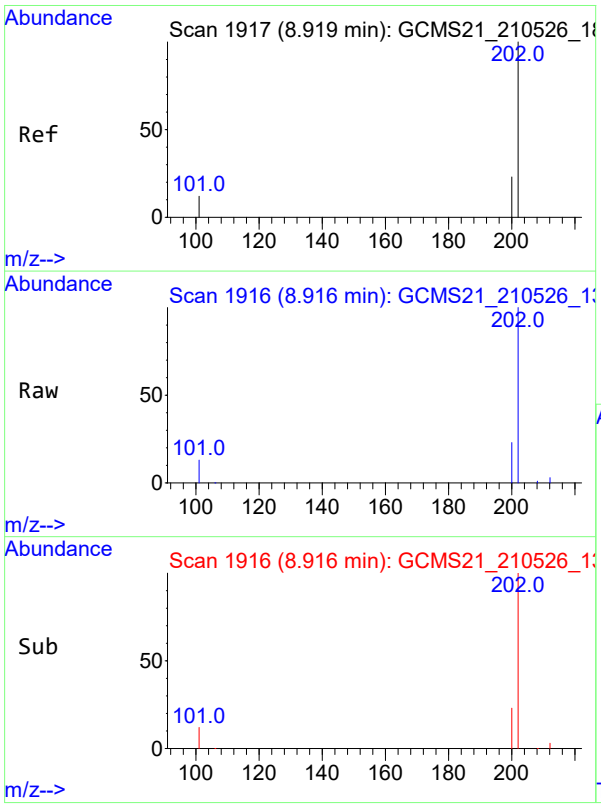


#14
Fluoranthene-D10
Concen: 46.40 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:212 Resp: 50744

Ion	Ratio	Lower	Upper
212	100		
106	15.1	10.6	19.6

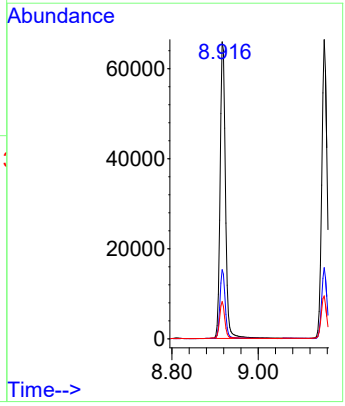


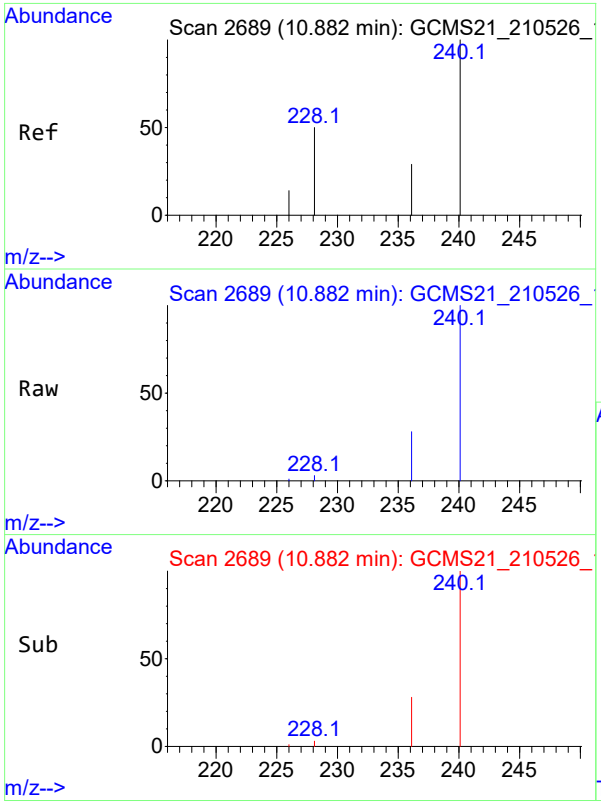


#15
Fluoranthene
Concen: 45.67 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:202 Resp: 56570

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	53.2
101	12.3	0.0	42.4

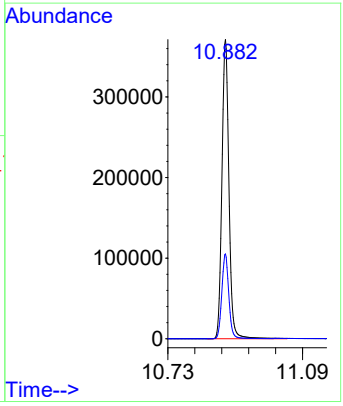


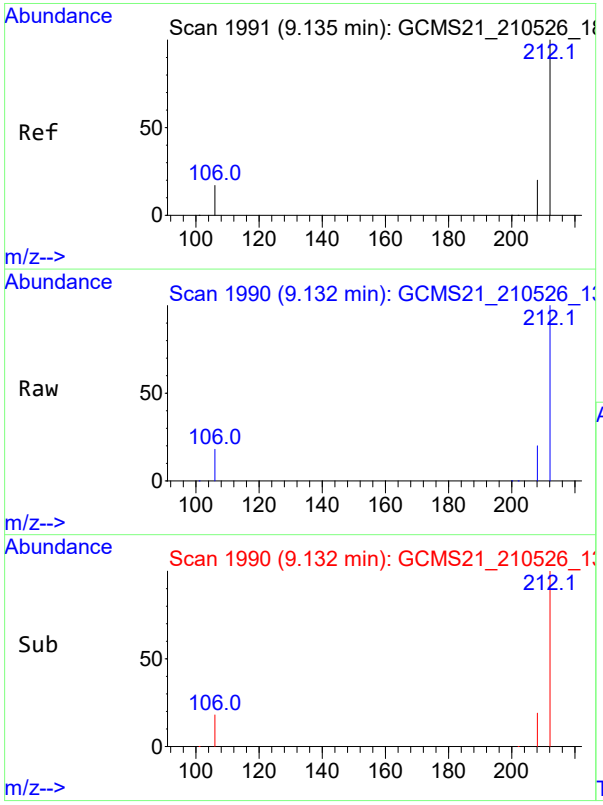


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:240 Resp: 472860

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

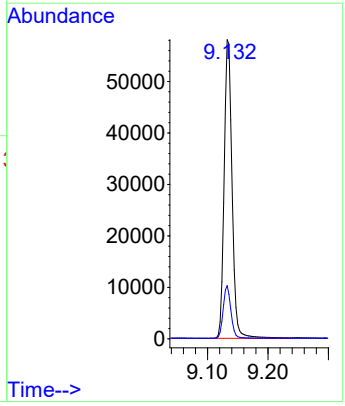


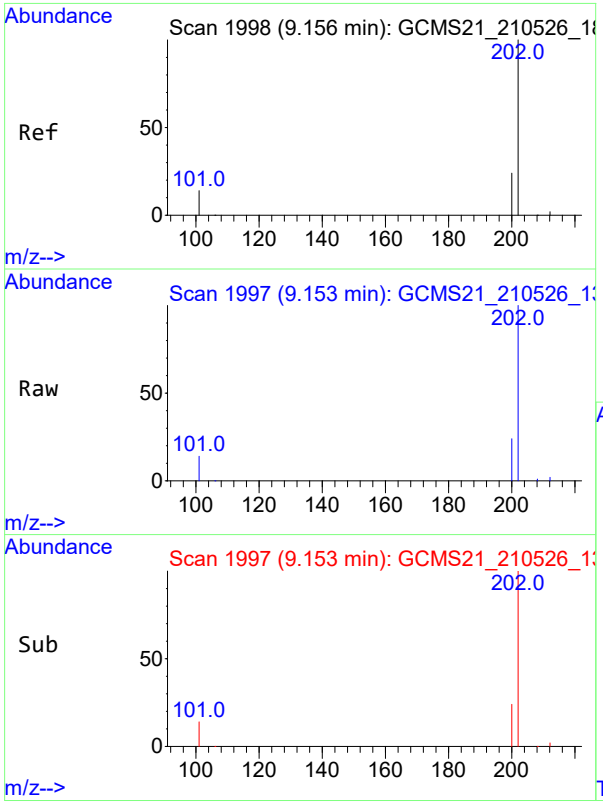


#17
Pyrene-D10
Concen: 49.00 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. -0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:212 Resp: 52853

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.2	22.6

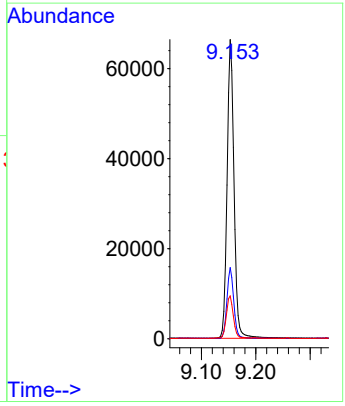


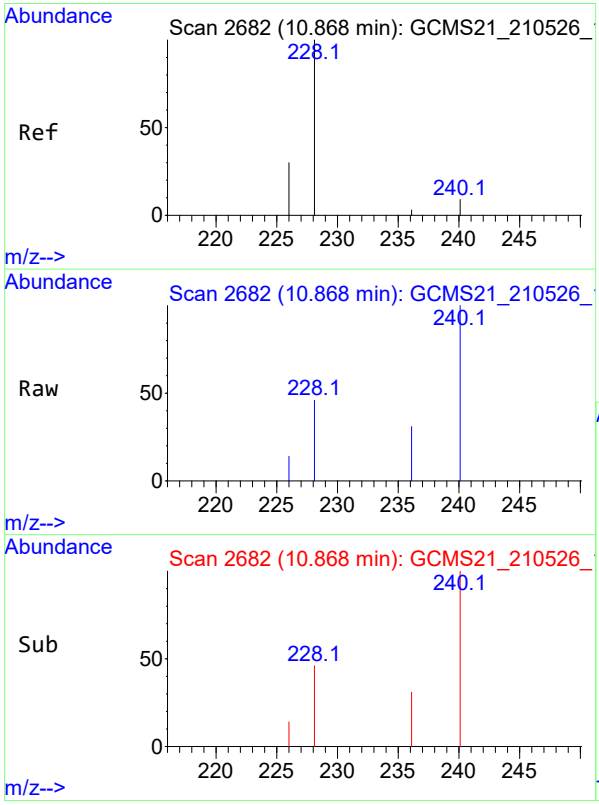


#18
Pyrene
Concen: 48.75 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:202 Resp: 58615

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.6
101	14.3	0.0	44.4

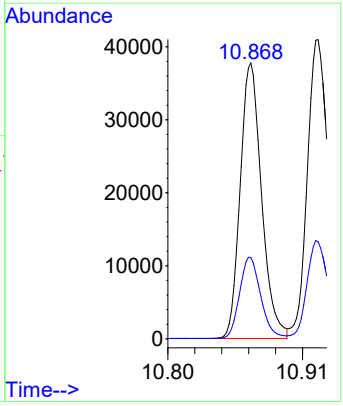


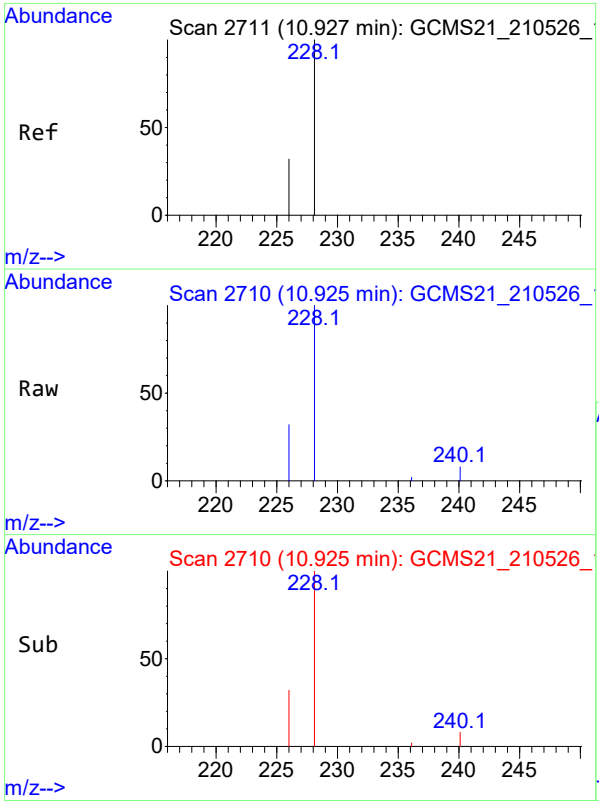


#19
Benzo(a)anthracene
Concen: 49.93 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:228 Resp: 47513

Ion	Ratio	Lower	Upper
228	100		
226	29.2	0.0	59.6

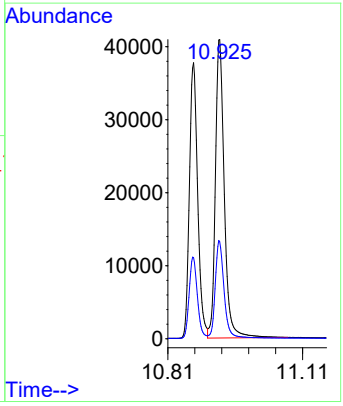


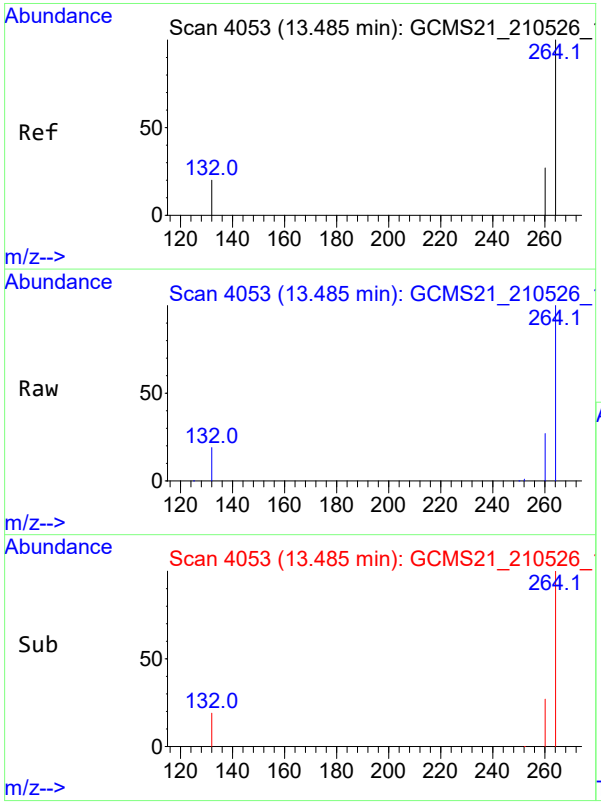


#20
Chrysene
Concen: 50.61 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:228 Resp: 55278

Ion	Ratio	Lower	Upper
228	100		
226	31.8	2.5	62.5

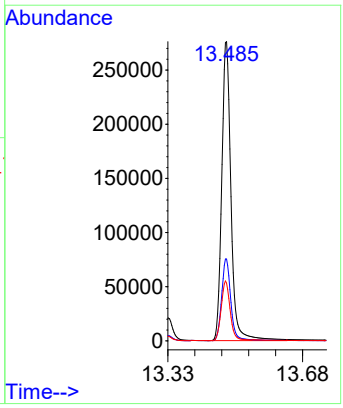


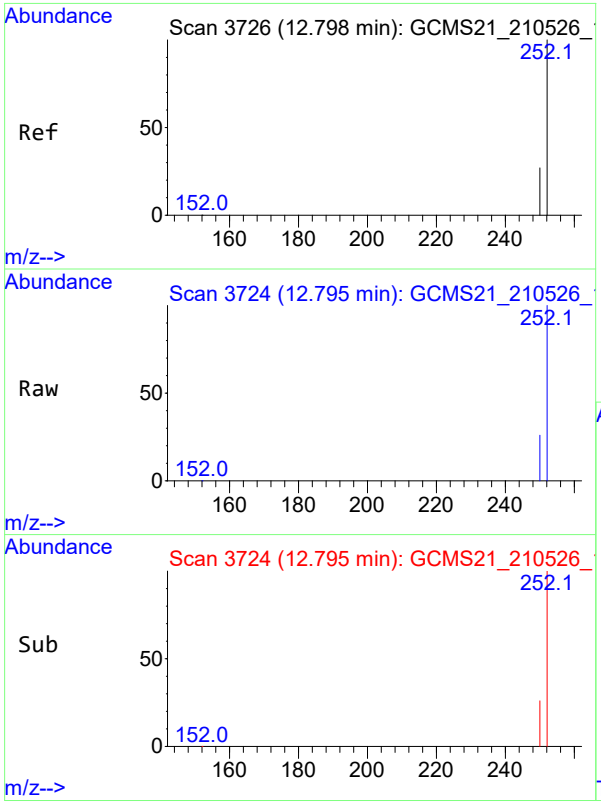


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:264 Resp: 462282

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.9	0.0	49.9

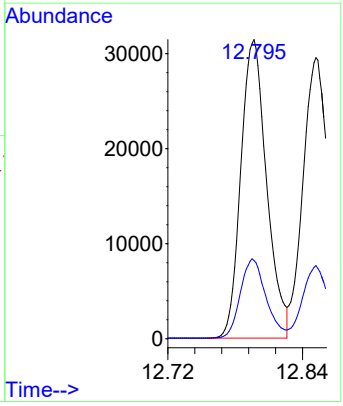


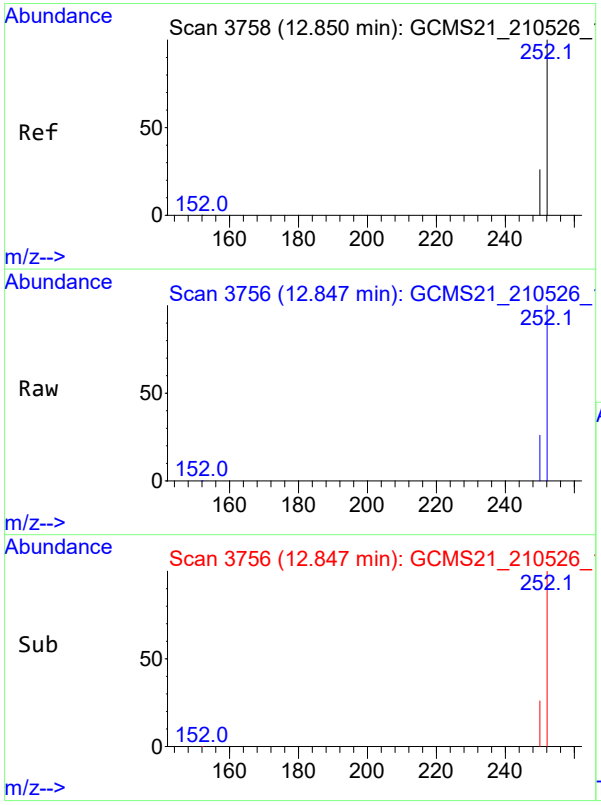


#22
Benzo(b)fluoranthene
Concen: 51.90 ng/mL
RT: 12.795 min Scan# 3724
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 47241

Ion	Ratio	Lower	Upper
252	100		
250	26.4	0.0	56.2

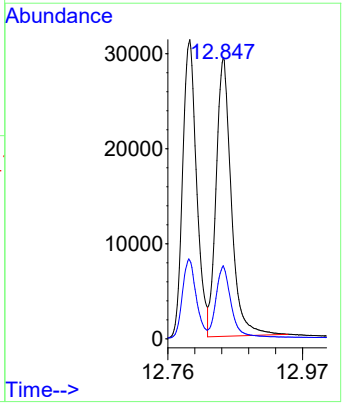


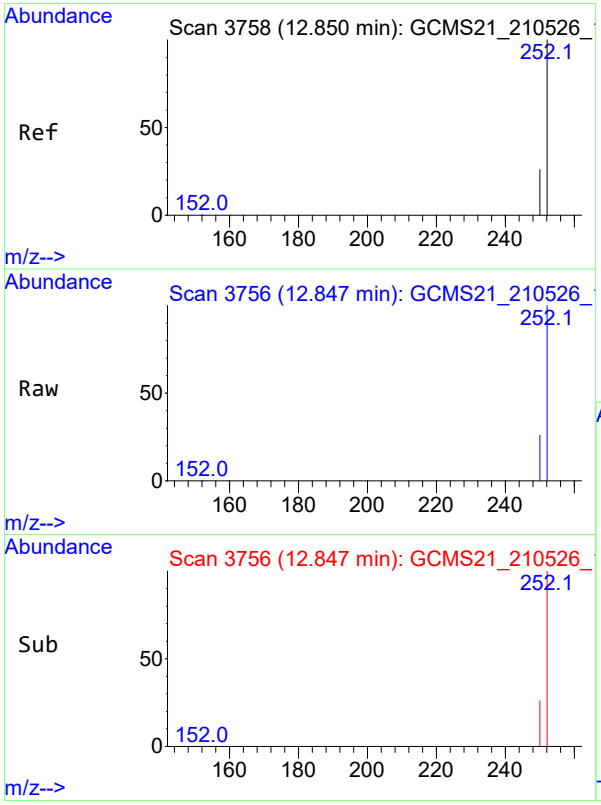


#23
Benzo(k)fluoranthene
Concen: 47.46 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 48128

Ion	Ratio	Lower	Upper
252	100		
250	24.9	0.0	55.4

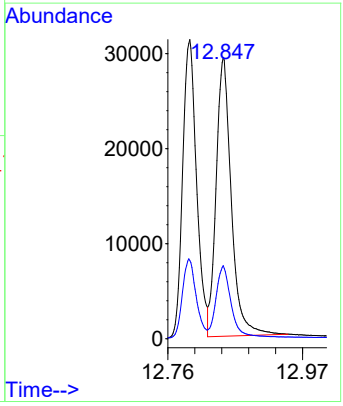


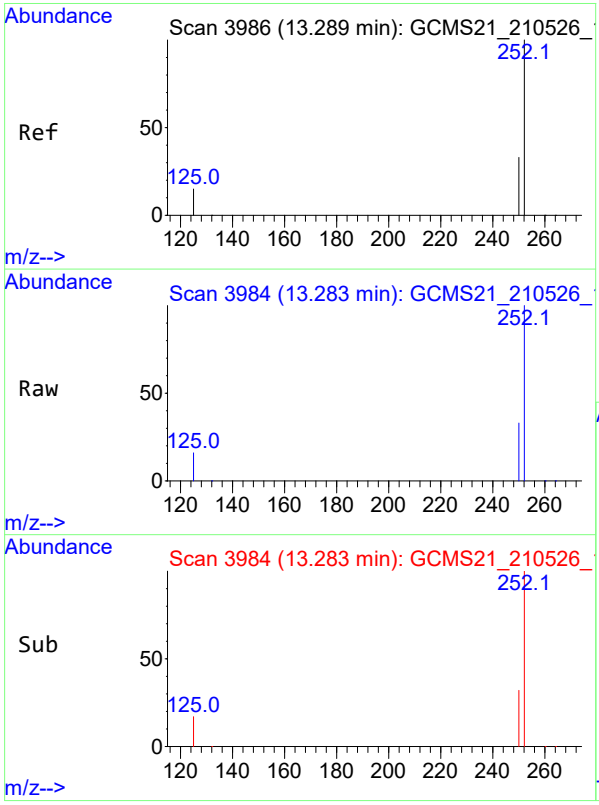


#24
benzo(b+k)fluoranthene (sum)
Concen: 49.70 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 48128

Ion	Ratio	Lower	Upper
252	100		
250	24.9	0.0	56.3

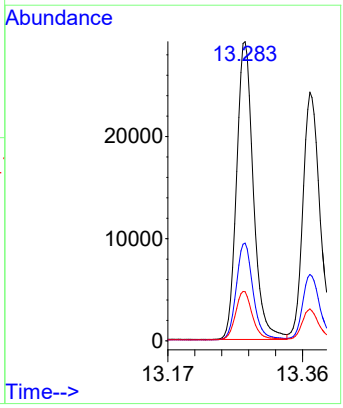


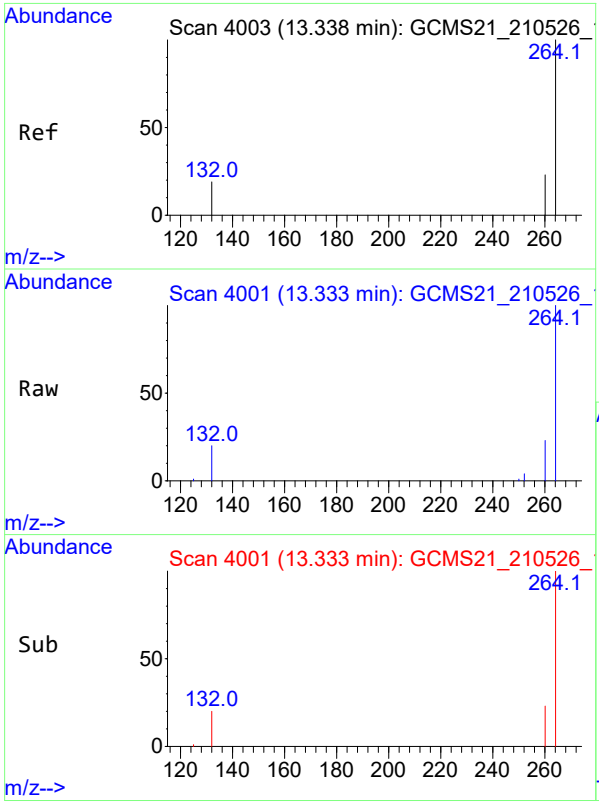


#25
Benzo(e)pyrene
Concen: 50.67 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 47564

Ion	Ratio	Lower	Upper
252	100		
250	32.6	2.4	62.4
125	16.4	0.0	46.0

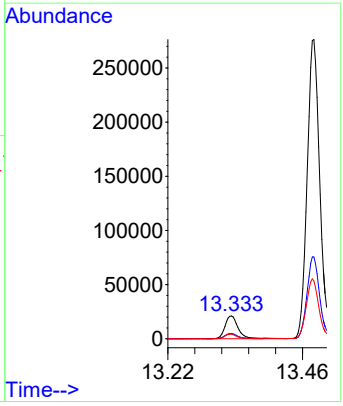


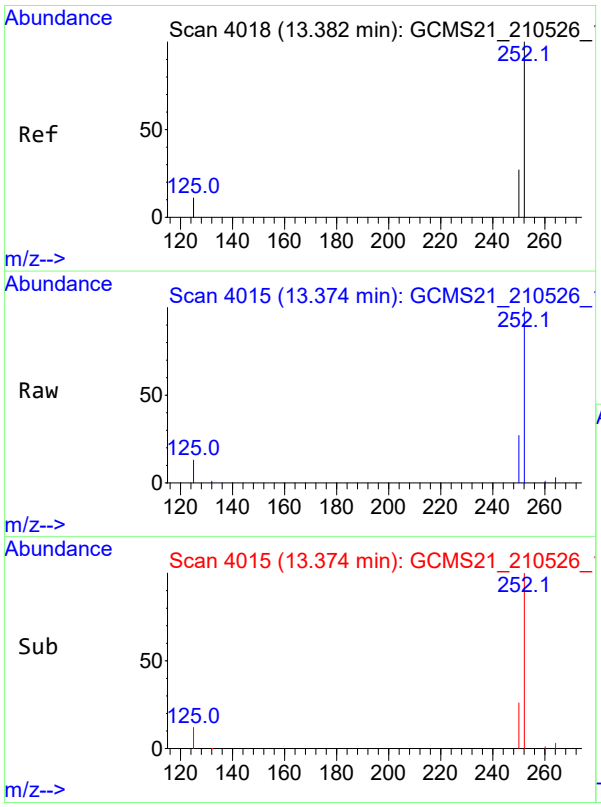


#26
Benzo(a)pyrene-D12
Concen: 44.24 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:264 Resp: 35235

Ion	Ratio	Lower	Upper
264	100		
260	22.6	0.0	52.7
132	19.4	0.0	49.5

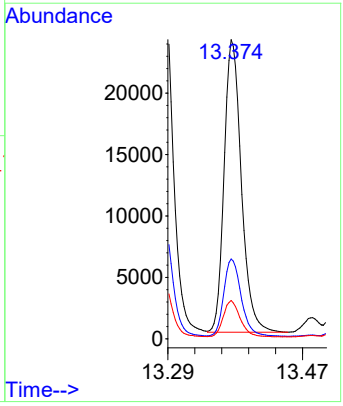


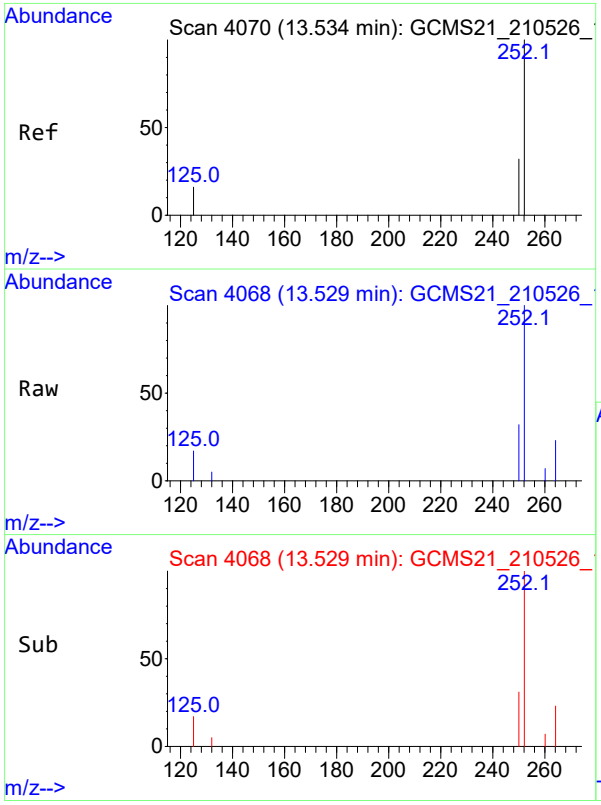


#27
Benzo(a)pyrene
Concen: 42.61 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.003 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 38746

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	57.2
125	12.3	0.0	42.3

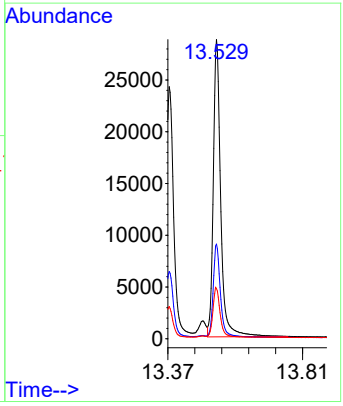


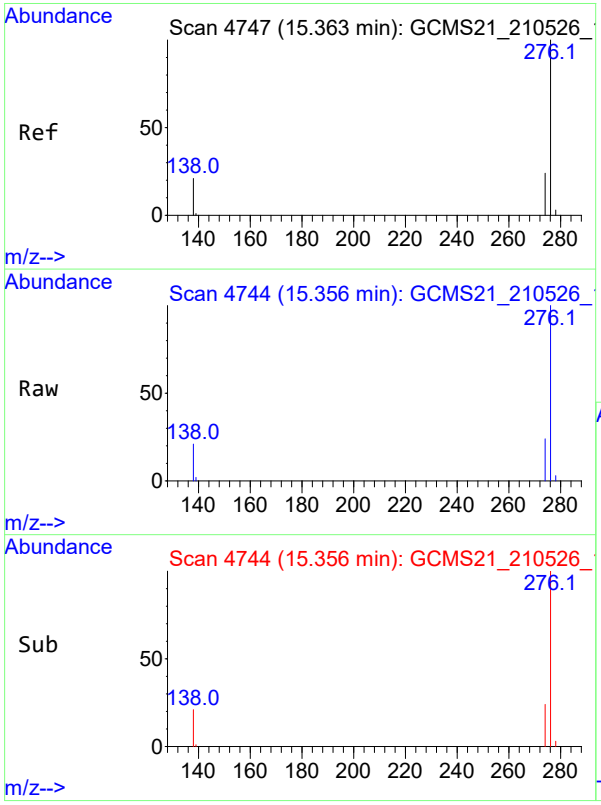


#28
Perylene
Concen: 49.08 ng/mL
RT: 13.529 min Scan# 4068
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:252 Resp: 48432

Ion	Ratio	Lower	Upper
252	100		
250	30.5	1.1	61.1
125	15.8	0.0	46.2

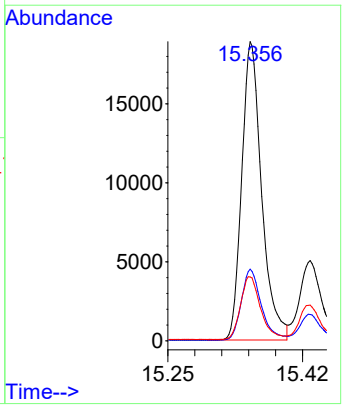


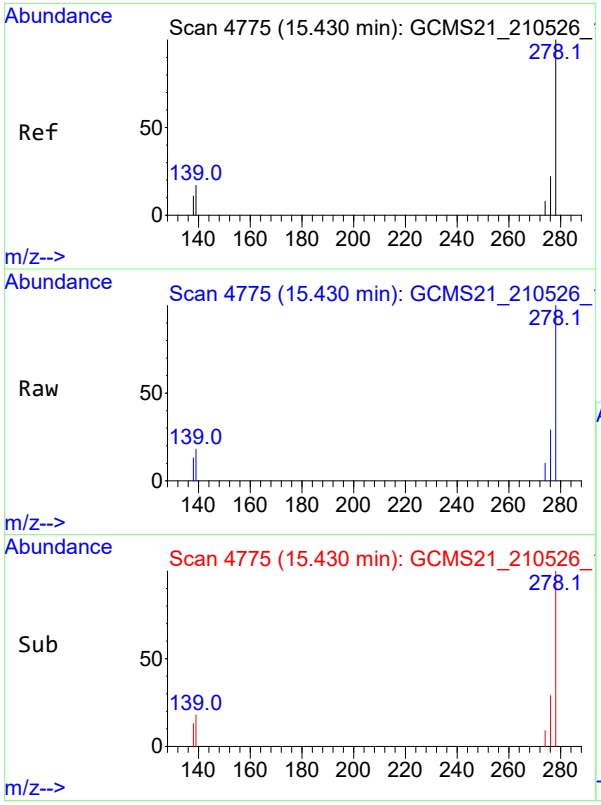


#29
Indeno(1,2,3-cd)pyrene
Concen: 41.53 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. -0.002 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:276 Resp: 32461

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.7
138	21.2	0.0	51.1

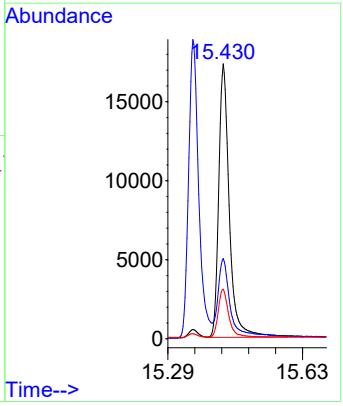


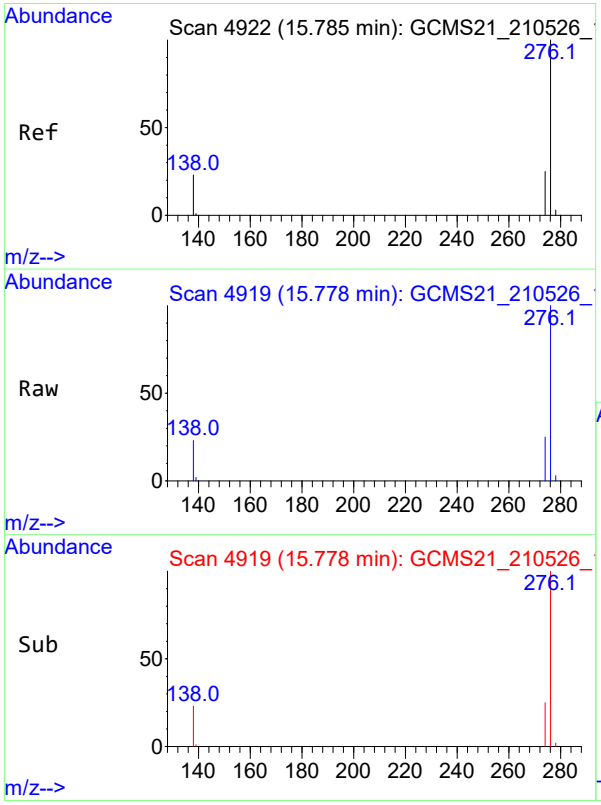


#30
Dibenz(a,h)anthracene
Concen: 37.73 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:278 Resp: 31361

Ion	Ratio	Lower	Upper
278	100		
276	31.8	2.7	62.7
139	17.1	0.0	47.4

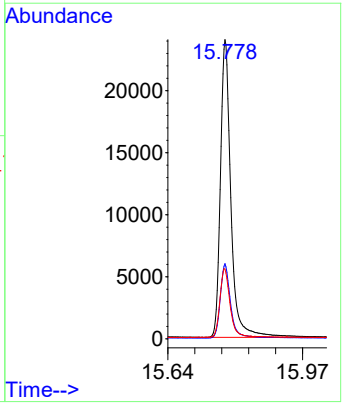




#31
Benzo(g,h,i)perylene
Concen: 44.67 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. 0.000 min
Lab File: GCMS21_210526_13.D
Acq: 26 May 2021 15:57

Tgt Ion:276 Resp: 43279

Ion	Ratio	Lower	Upper
276	100		
274	24.6	0.0	54.7
138	22.5	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_14.D
Acq On : 26 May 2021 16:22
Operator : MN GCMS21
Sample : CAL6_100ng/mL
Misc : LIMS 21B0106
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 02 11:54:55 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

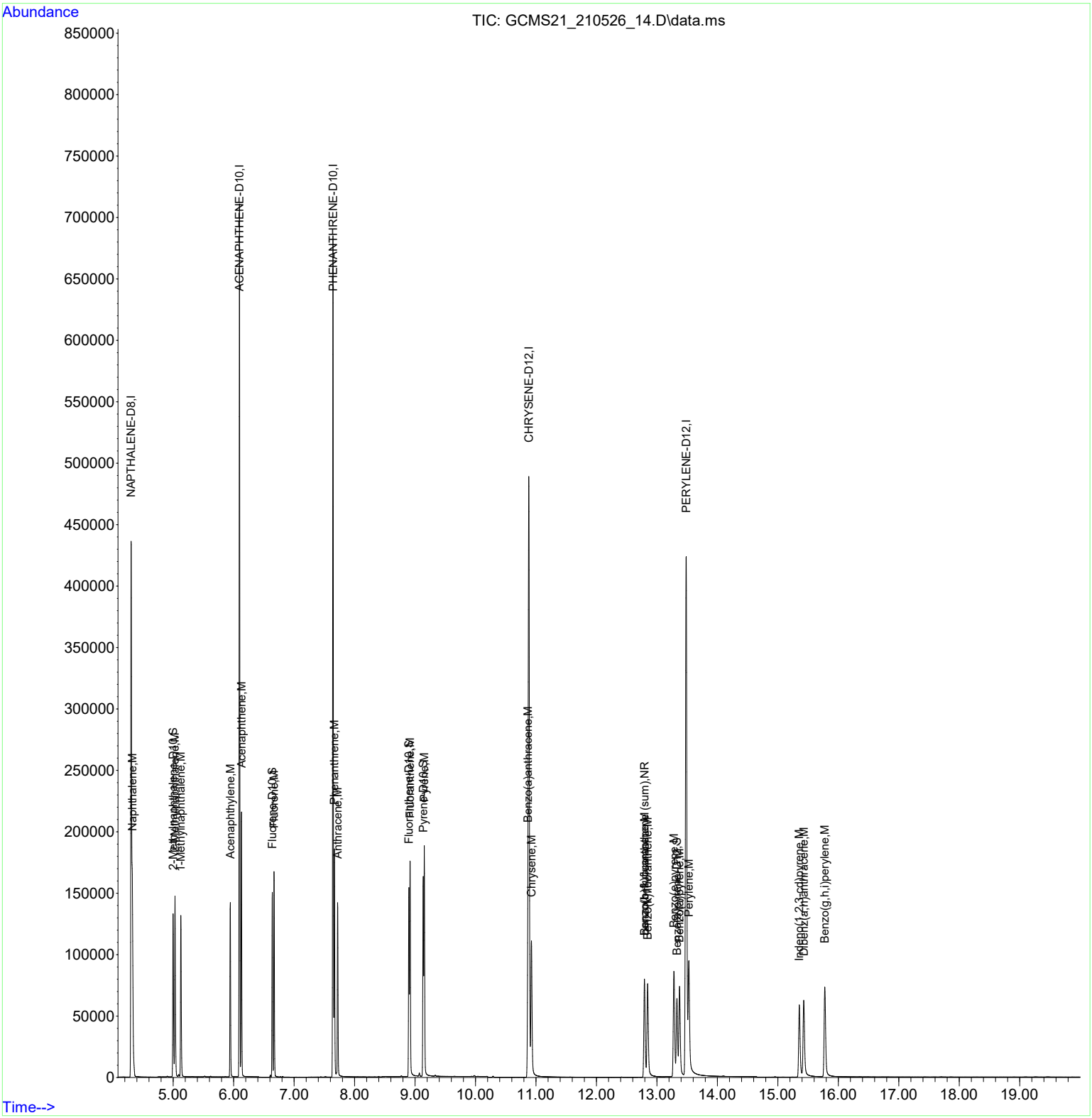
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	455389	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	254757	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	481101	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.883	240	475819	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	469325	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	55471	95.53	ng/mL	0.00
9) Fluorene-D10	6.639	176	57370	96.76	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	99763	92.82	ng/mL	0.00
17) Pyrene-D10	9.135	212	104339	96.14	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	72359	89.50	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.325	128	85235	97.51	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	57446	92.69	ng/mL	100
5) 1-Methylnaphthalene	5.127	142	51082	91.58	ng/mL	100
7) Acenaphthylene	5.946	152	77714	94.67	ng/mL	100
8) Acenaphthene	6.130	153	59687	95.92	ng/mL	99
10) Fluorene	6.668	166	65219	92.16	ng/mL	100
12) Phenanthrene	7.667	178	105156	93.80	ng/mL	100
13) Anthracene	7.719	178	88050	86.78	ng/mL	100
15) Fluoranthene	8.919	202	109783	90.17	ng/mL	100
18) Pyrene	9.153	202	115601	95.55	ng/mL	100
19) Benzo(a)anthracene	10.866	228	92208	96.31	ng/mL	100
20) Chrysene	10.925	228	107397	97.71	ng/mL	100
22) Benzo(b)fluoranthene	12.794	252	94583	102.35	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	99953	97.10	ng/mL	99
24) benzo(b+k)fluoranthene...	12.794	252	195092m	198.45	ng/mL	
25) Benzo(e)pyrene	13.283	252	96394	101.15	ng/mL	100
27) Benzo(a)pyrene	13.374	252	80379	87.06	ng/mL	99
28) Perylene	13.529	252	96451	96.27	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.356	276	67226	84.72	ng/mL	100
30) Dibenz(a,h)anthracene	15.428	278	66958	79.34	ng/mL	100
31) Benzo(g,h,i)perylene	15.775	276	88992	90.47	ng/mL	99

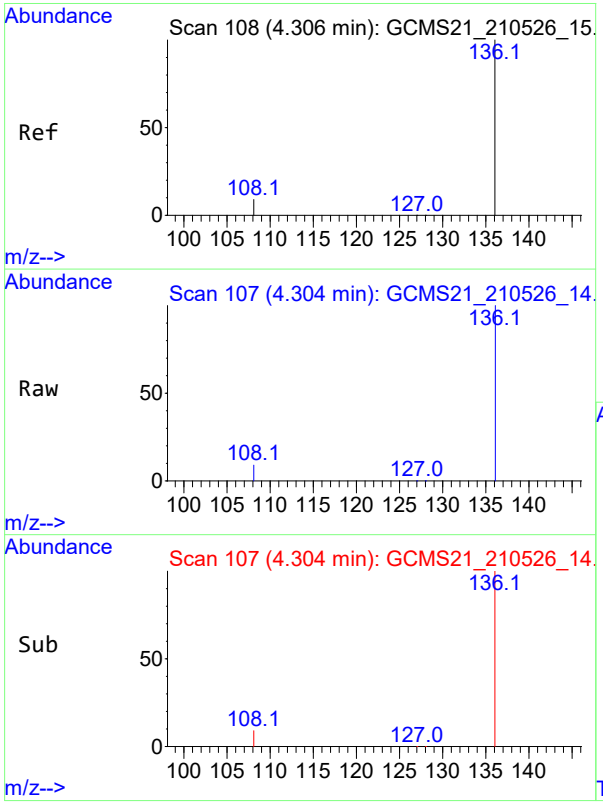
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_14.D
Acq On : 26 May 2021 16:22
Operator : MN GCMS21
Sample : CAL6_100ng/mL
Misc : LIMS 21B0106
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 02 11:54:55 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

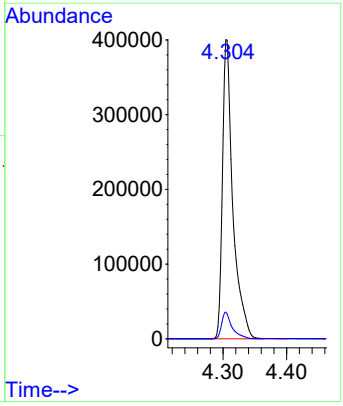


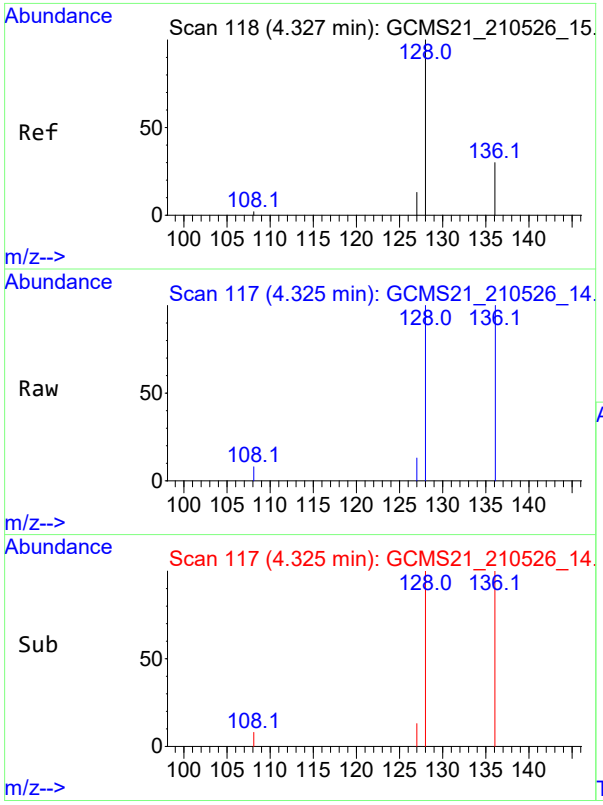


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:136 Resp: 455389

Ion	Ratio	Lower	Upper
136	100		
108	9.0	0.0	29.0

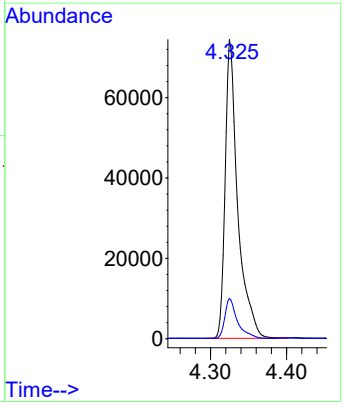


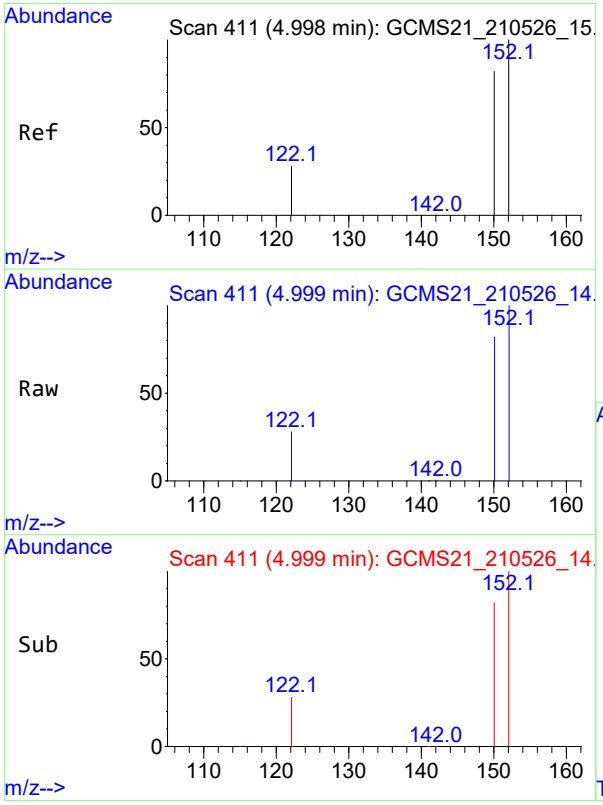


#2
Naphthalene
Concen: 97.51 ng/mL
RT: 4.325 min Scan# 117
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:128 Resp: 85235

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

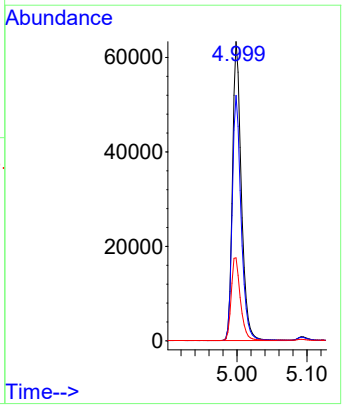


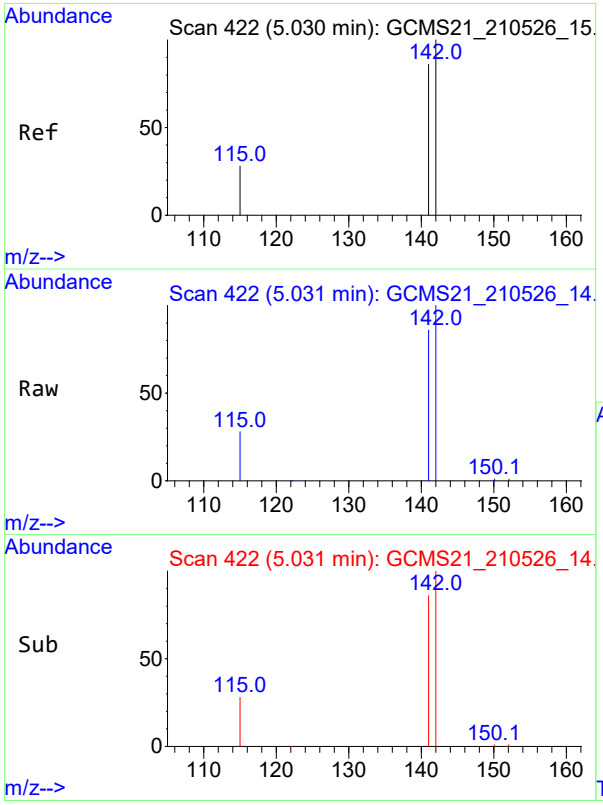


#3
2-Methylnaphthalene-D10
Concen: 95.53 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:152 Resp: 55471

Ion	Ratio	Lower	Upper
152	100		
150	82.4	57.5	106.7
122	28.8	20.1	37.3

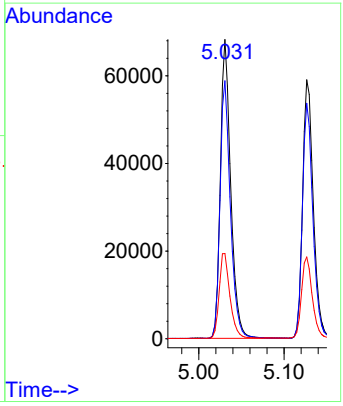


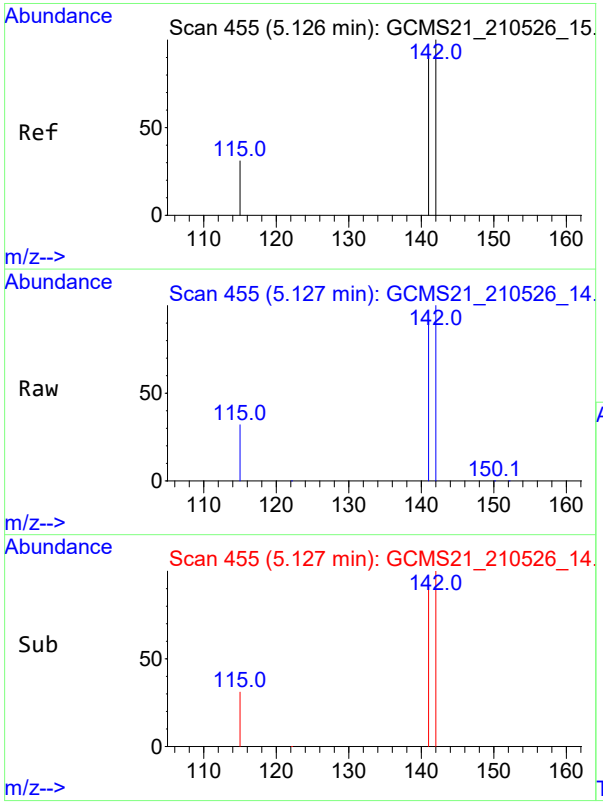


#4
2-Methylnaphthalene
Concen: 92.69 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:142 Resp: 57446

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.5	116.5
115	29.6	0.0	59.3

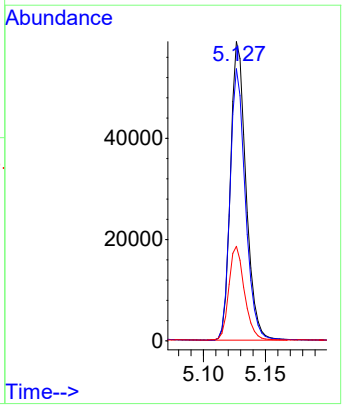


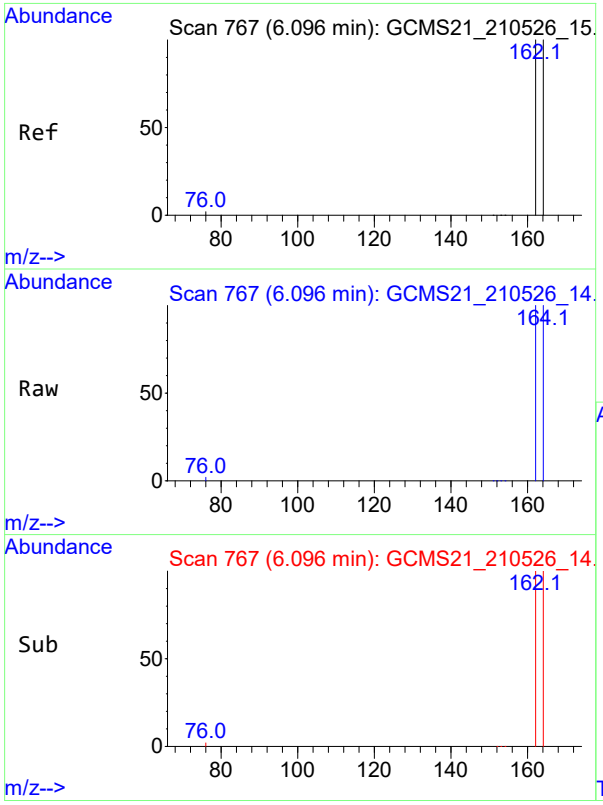


#5
1-Methylnaphthalene
Concen: 91.58 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:142 Resp: 51082

Ion	Ratio	Lower	Upper
142	100		
141	89.8	59.6	119.6
115	31.7	1.2	61.2

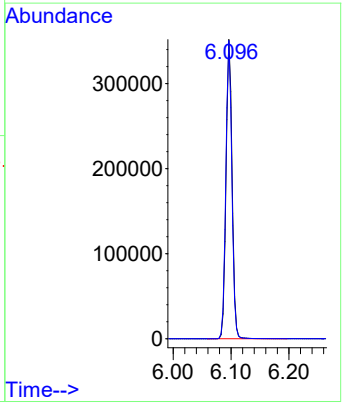


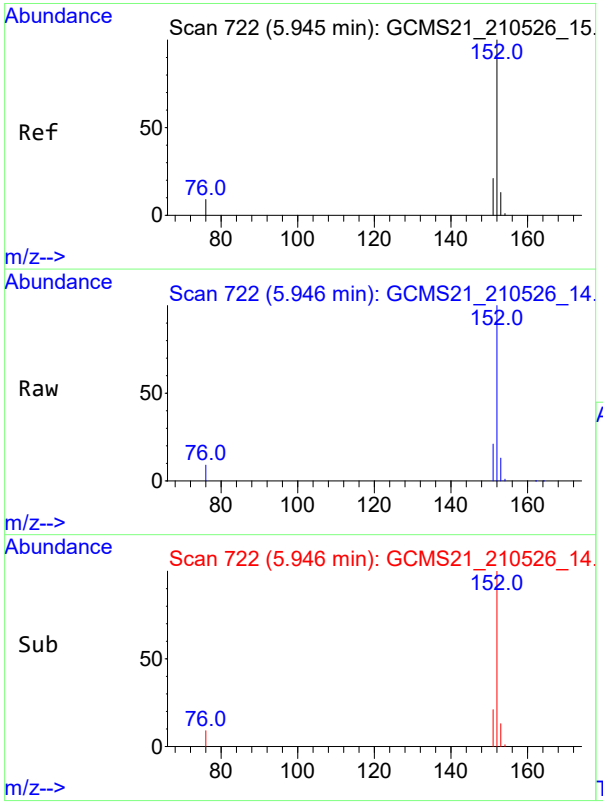


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:164 Resp: 254757

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.5	119.5

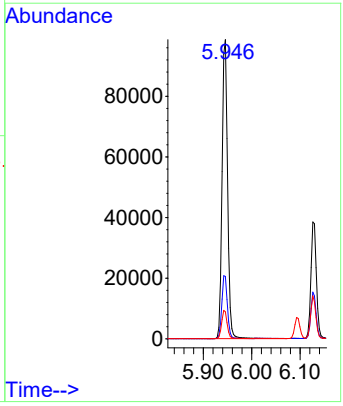


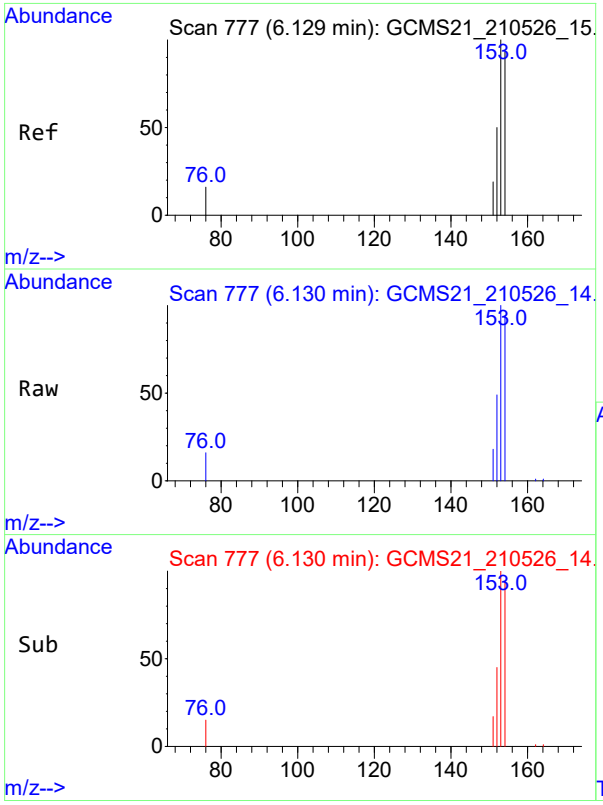


#7
Acenaphthylene
Concen: 94.67 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:152 Resp: 77714

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.0	51.5
76	9.5	0.0	39.5

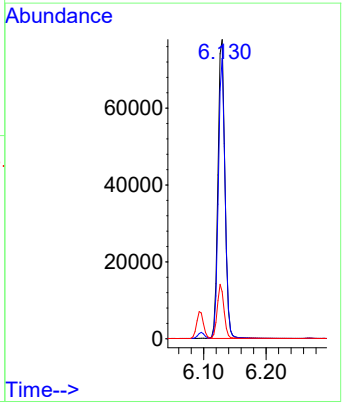


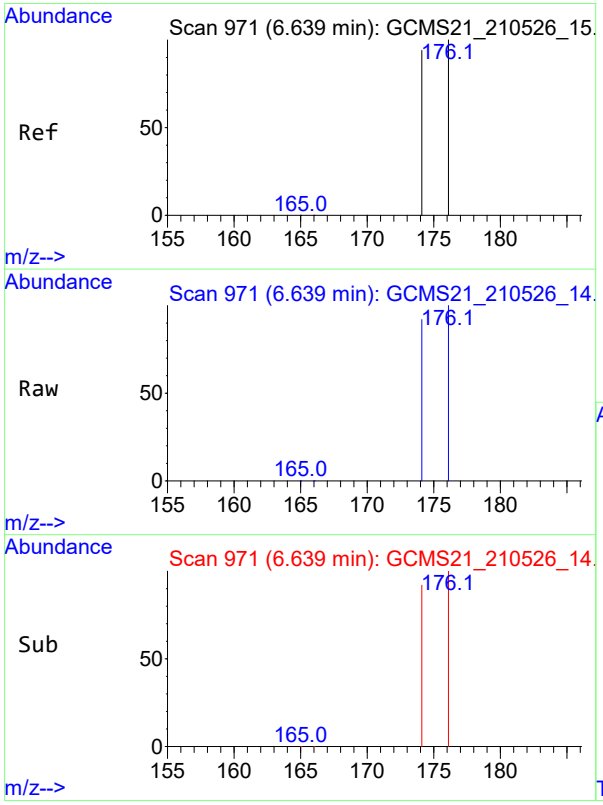


#8
Acenaphthene
Concen: 95.92 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:153 Resp: 59687

Ion	Ratio	Lower	Upper
153	100		
154	91.3	61.9	121.9
76	17.6	0.0	47.6

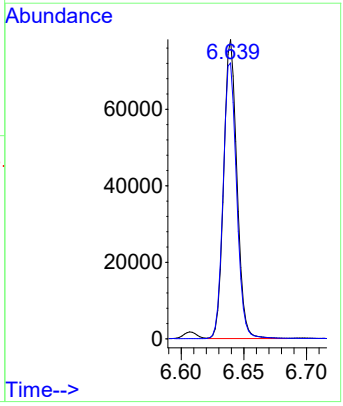


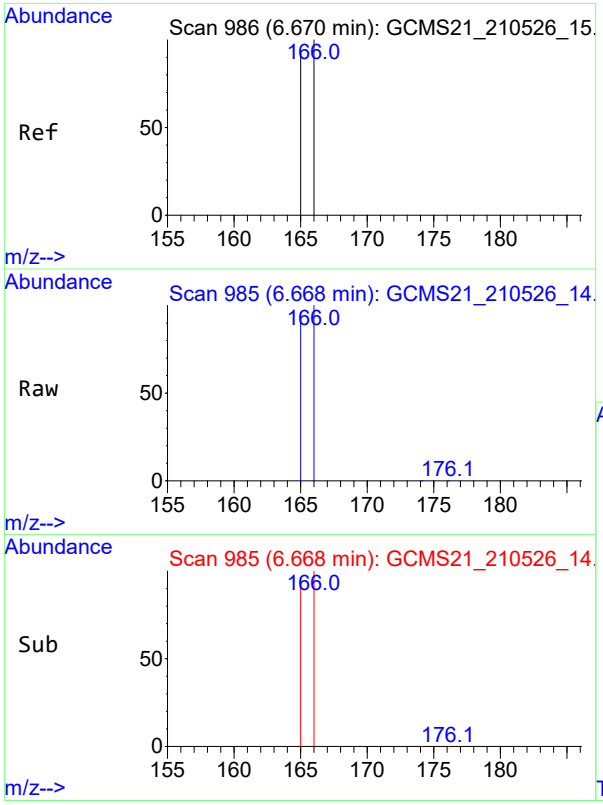


#9
Fluorene-D10
Concen: 96.76 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:176 Resp: 57370

Ion	Ratio	Lower	Upper
176	100		
174	94.2	66.0	122.6

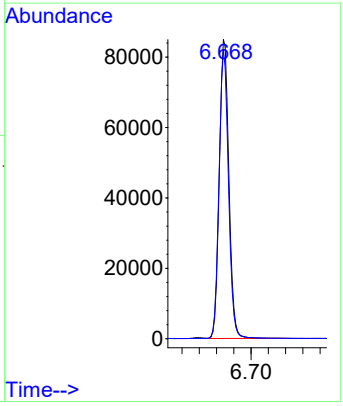


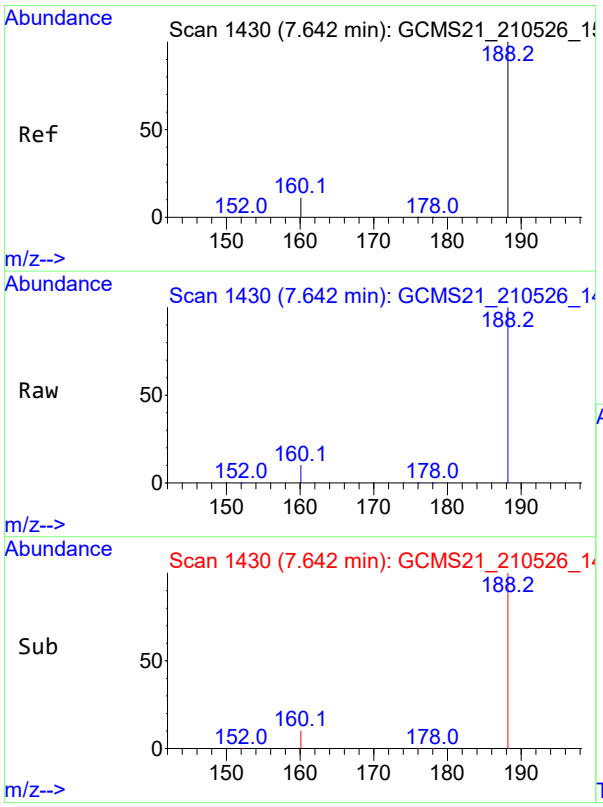


#10
Fluorene
Concen: 92.16 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:166 Resp: 65219

Ion	Ratio	Lower	Upper
166	100		
165	95.5	65.4	125.4

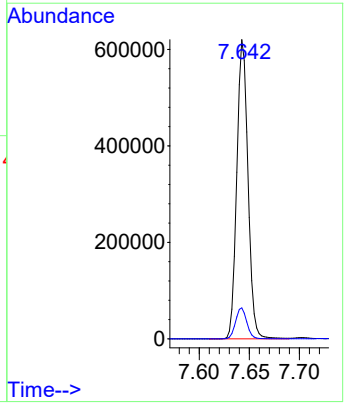


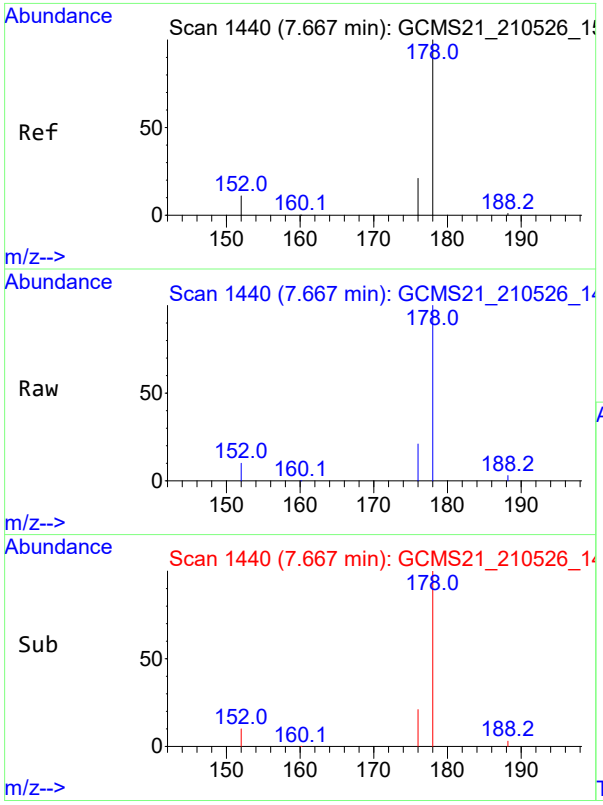


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:188 Resp: 481101

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

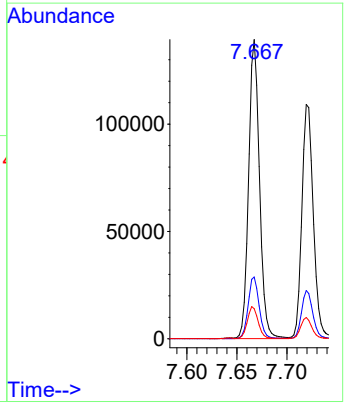


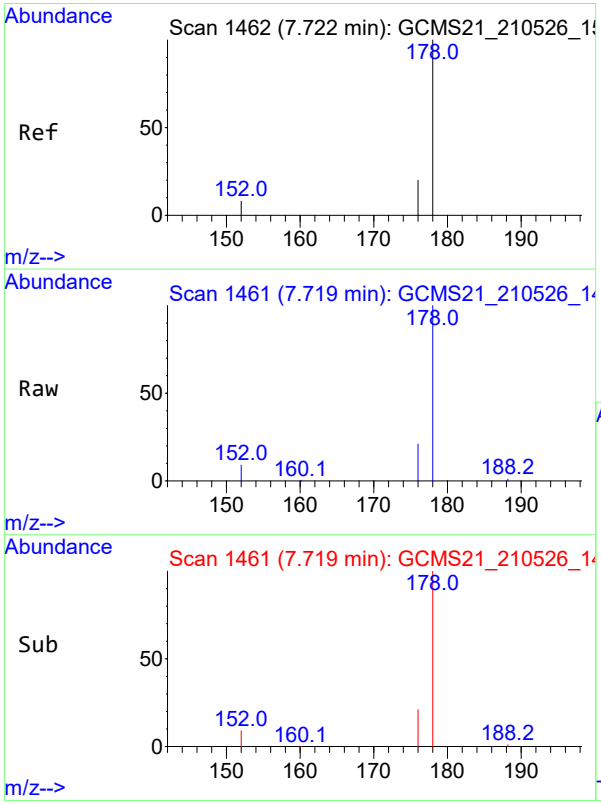


#12
Phenanthrene
Concen: 93.80 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:178 Resp: 105156

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	50.9
152	10.6	0.0	40.7

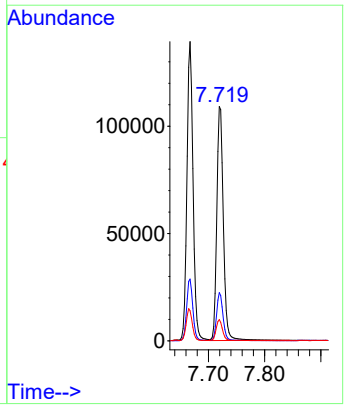


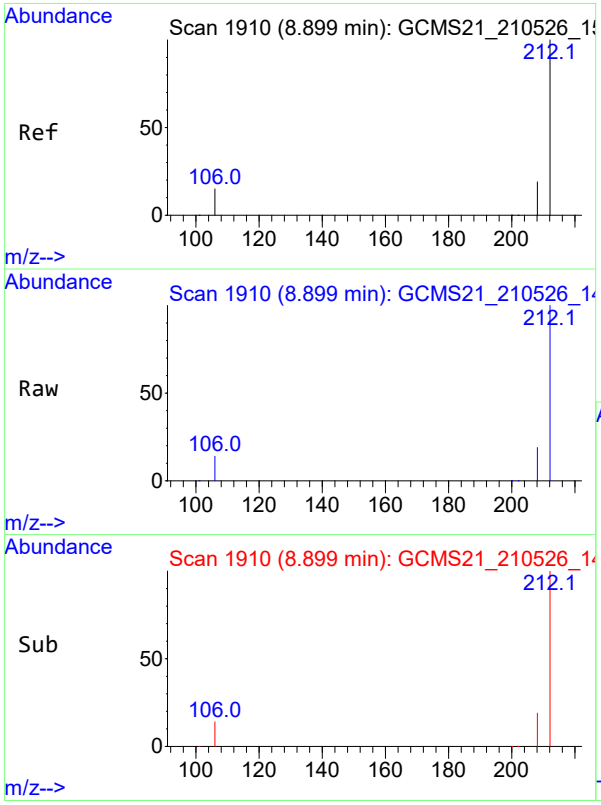


#13
Anthracene
Concen: 86.78 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:178 Resp: 88050

Ion	Ratio	Lower	Upper
178	100		
176	20.2	0.0	50.2
152	8.7	0.0	38.7

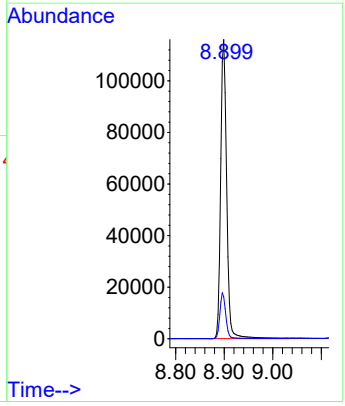


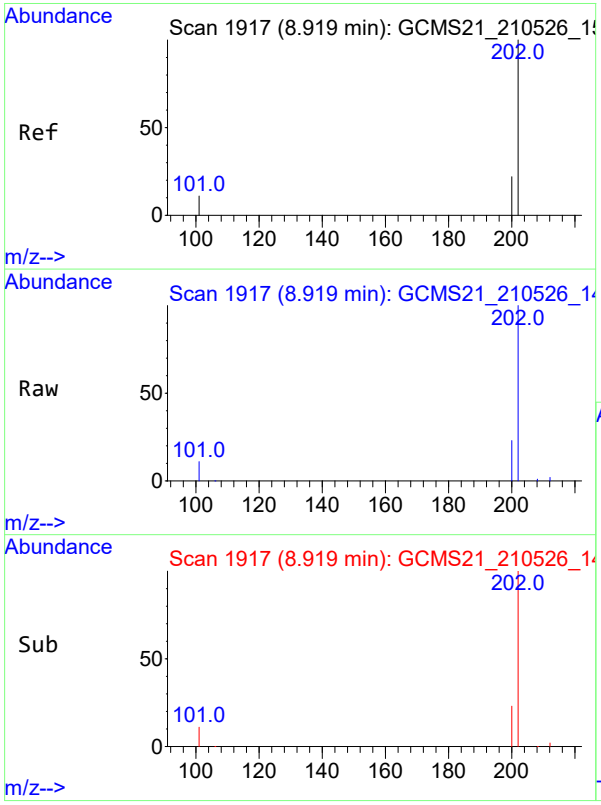


#14
Fluoranthene-D10
Concen: 92.82 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:212 Resp: 99763

Ion	Ratio	Lower	Upper
212	100		
106	15.0	10.6	19.6

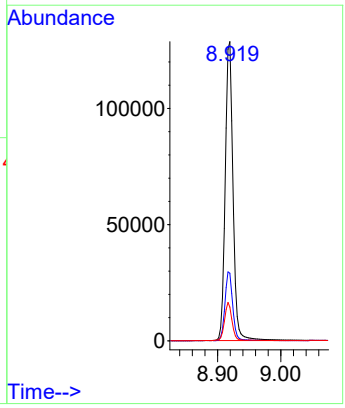


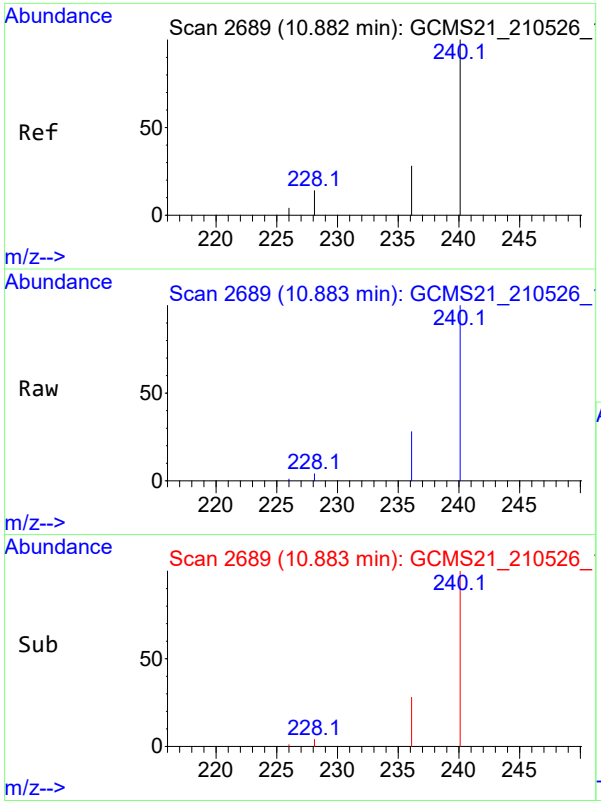


#15
Fluoranthene
Concen: 90.17 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:202 Resp: 109783

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.4	0.0	42.4

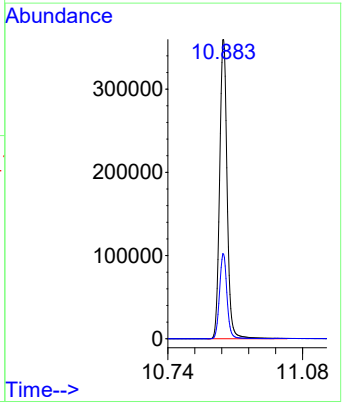


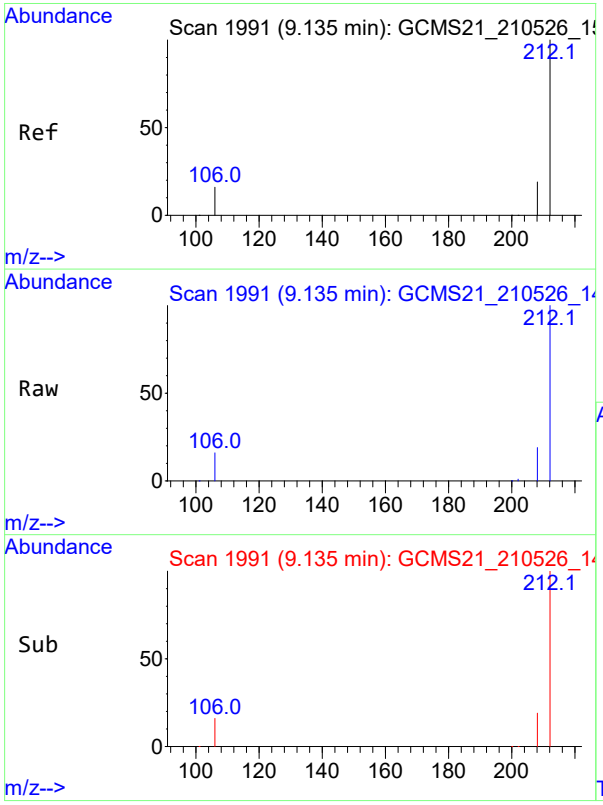


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.883 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:240 Resp: 475819

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

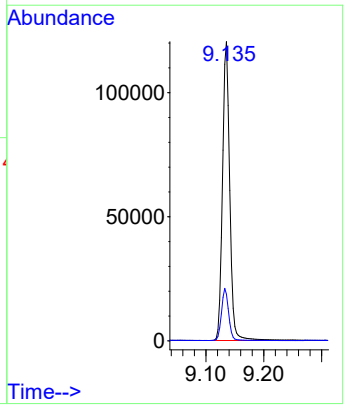


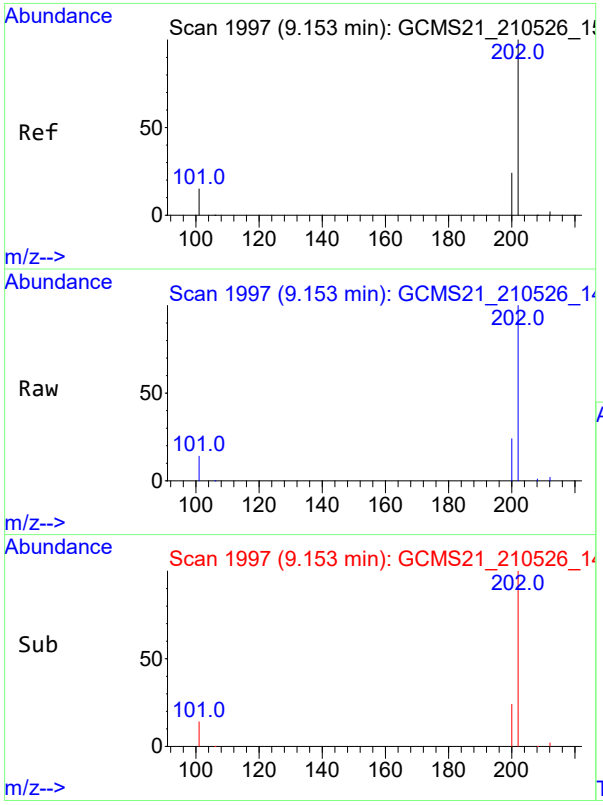


#17
Pyrene-D10
Concen: 96.14 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:212 Resp: 104339

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.2	22.6

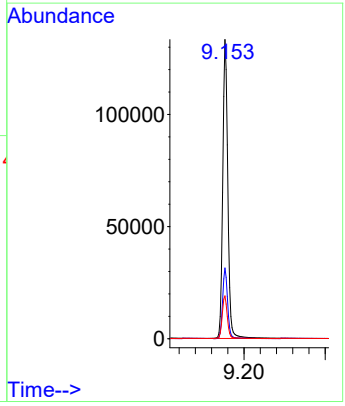


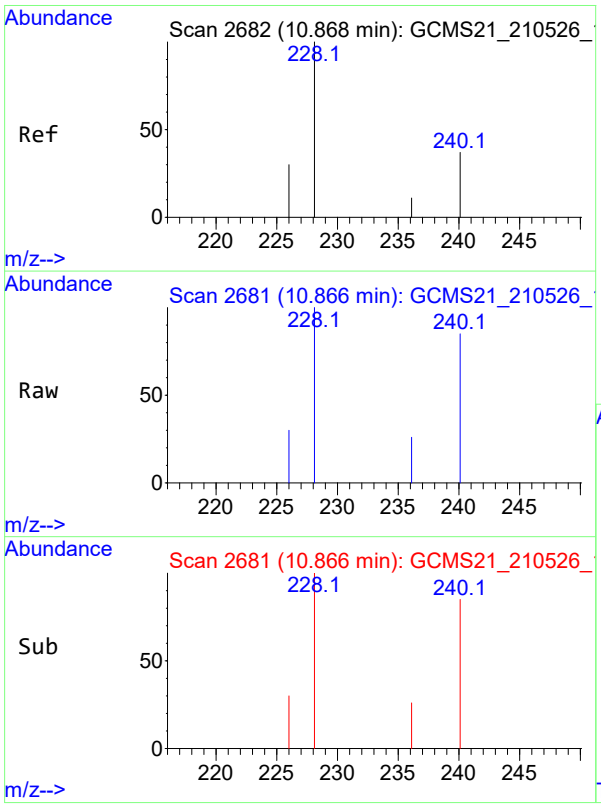


#18
Pyrene
Concen: 95.55 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:202 Resp: 115601

Ion	Ratio	Lower	Upper
202	100		
200	23.5	0.0	53.6
101	14.3	0.0	44.4

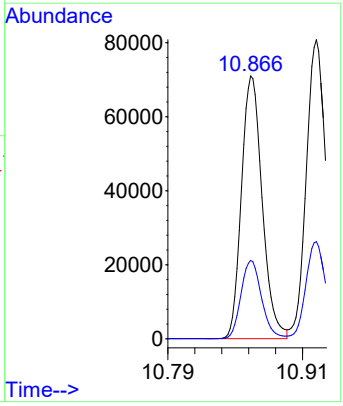


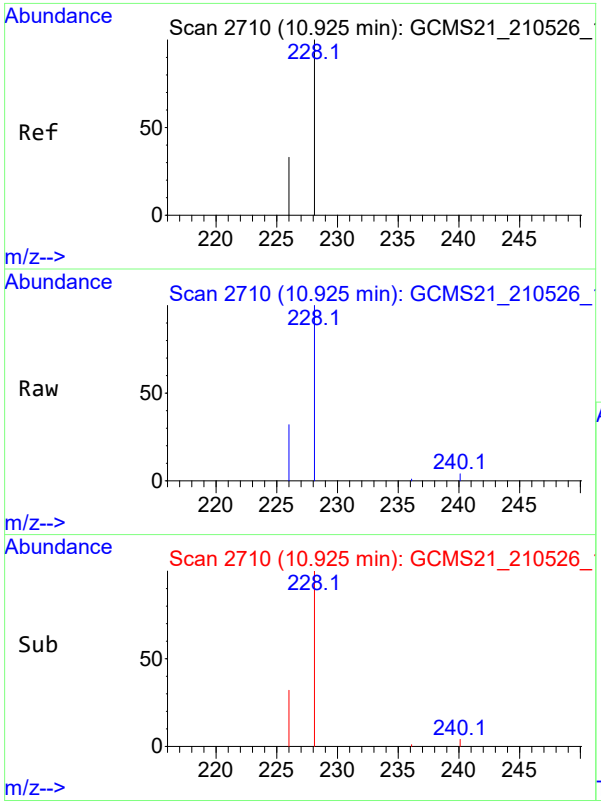


#19
Benzo(a)anthracene
Concen: 96.31 ng/mL
RT: 10.866 min Scan# 2681
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:228 Resp: 92208

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.6

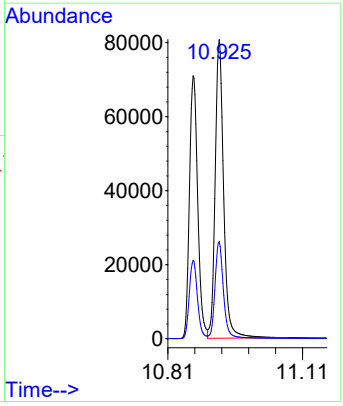


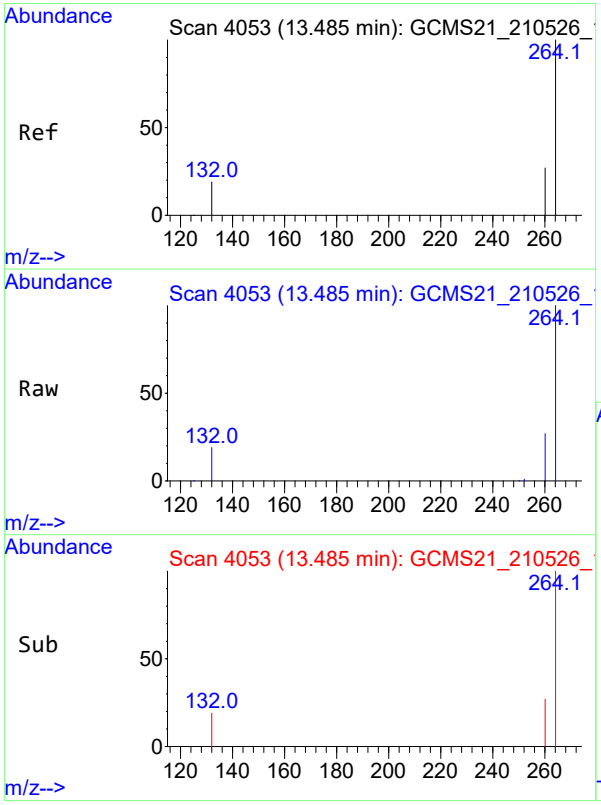


#20
Chrysene
Concen: 97.71 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:228 Resp: 107397

Ion	Ratio	Lower	Upper
228	100		
226	32.7	2.5	62.5

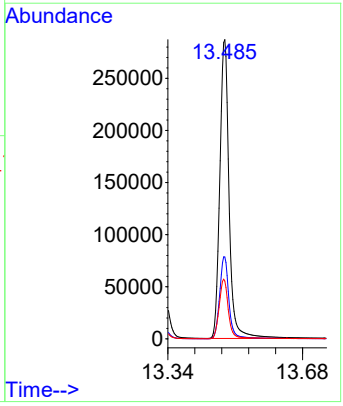


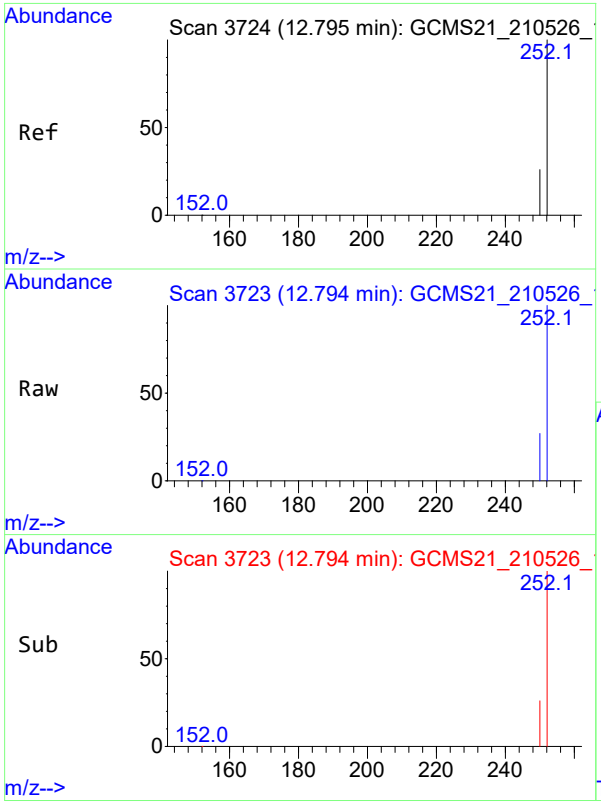


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:264 Resp: 469325

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.5
132	19.9	0.0	49.9

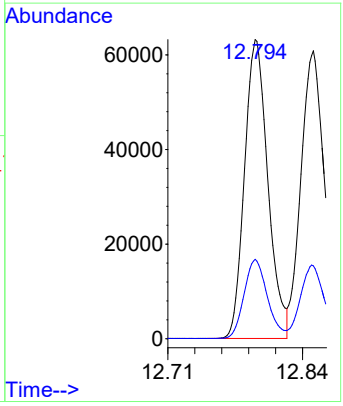


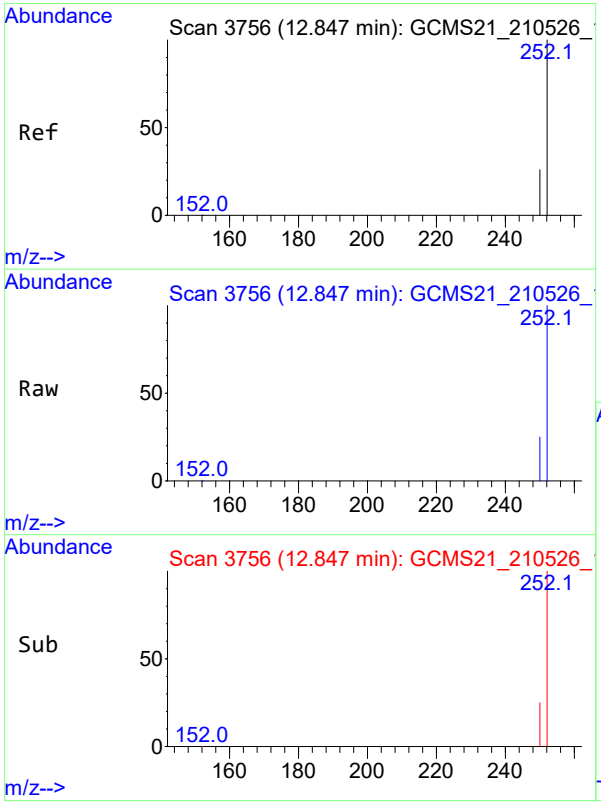


#22
Benzo(b)fluoranthene
Concen: 102.35 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 94583

Ion	Ratio	Lower	Upper
252	100		
250	26.2	0.0	56.2

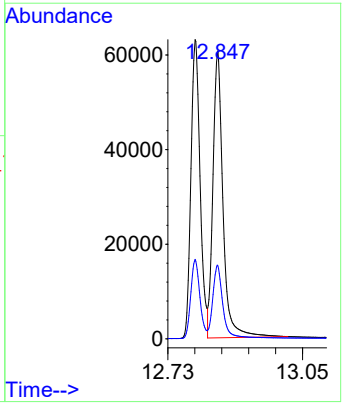


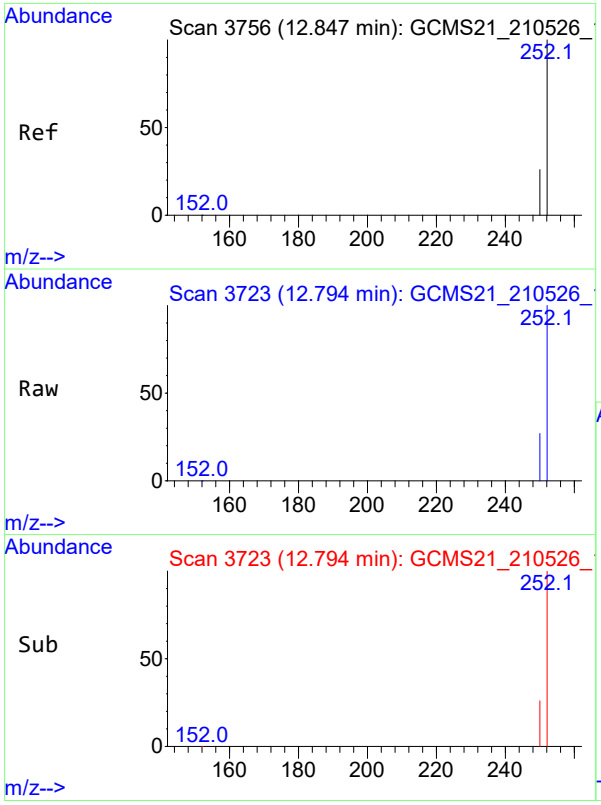


#23
Benzo(k)fluoranthene
Concen: 97.10 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 99953

Ion	Ratio	Lower	Upper
252	100		
250	25.0	0.0	55.4

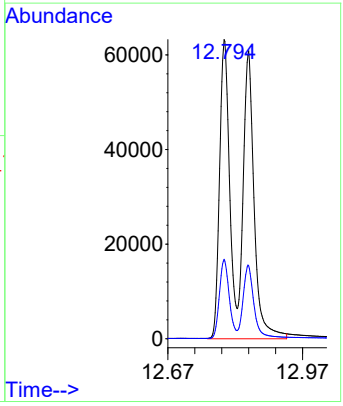


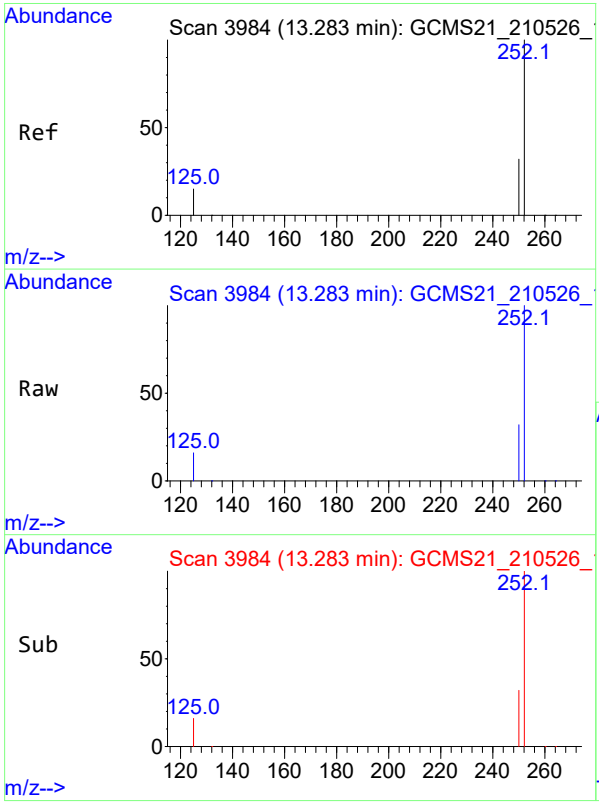


#24
benzo(b+k)fluoranthene (sum)
Concen: 198.45 ng/mL m
RT: 12.794 min Scan# 3723
Delta R.T. -0.054 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 195092

Ion	Ratio	Lower	Upper
252	100		
250	26.1	0.0	56.3

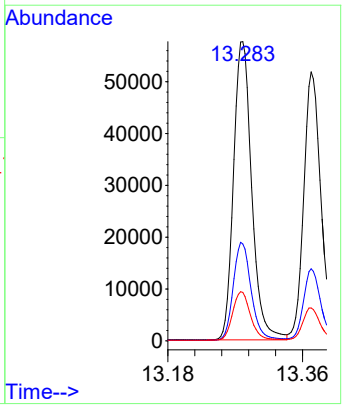


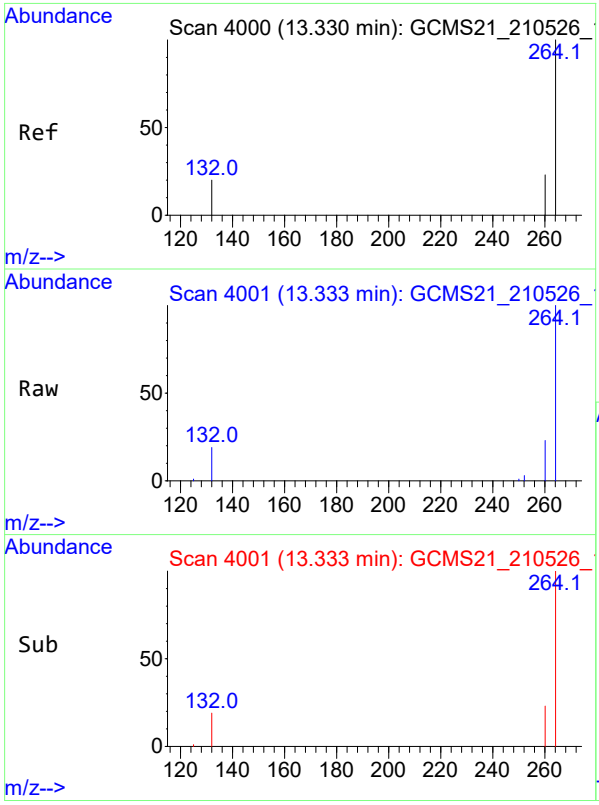


#25
Benzo(e)pyrene
Concen: 101.15 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 96394

Ion	Ratio	Lower	Upper
252	100		
250	32.4	2.4	62.4
125	16.1	0.0	46.0

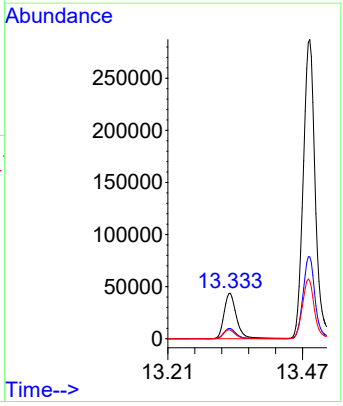


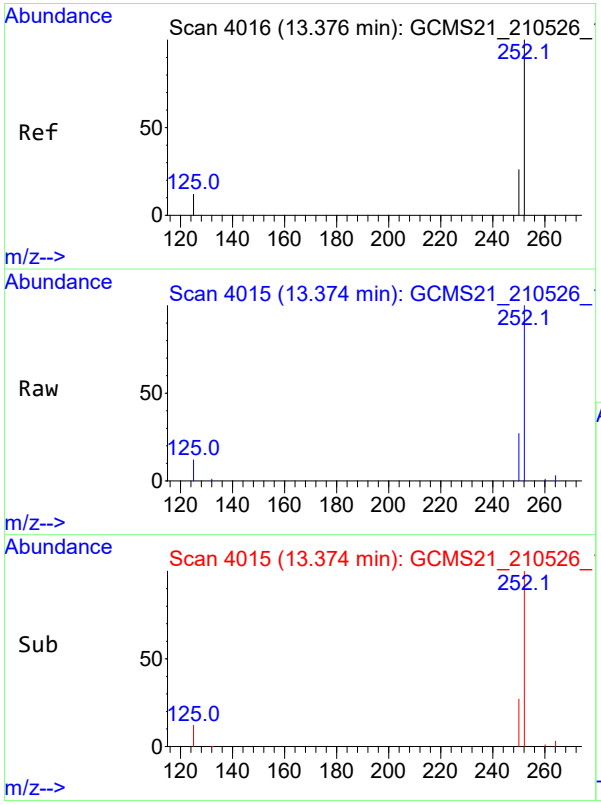


#26
Benzo(a)pyrene-D12
Concen: 89.50 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:264 Resp: 72359

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	52.7
132	19.5	0.0	49.5

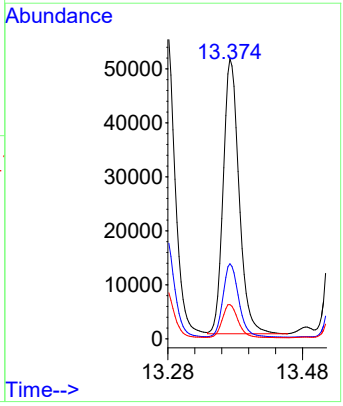


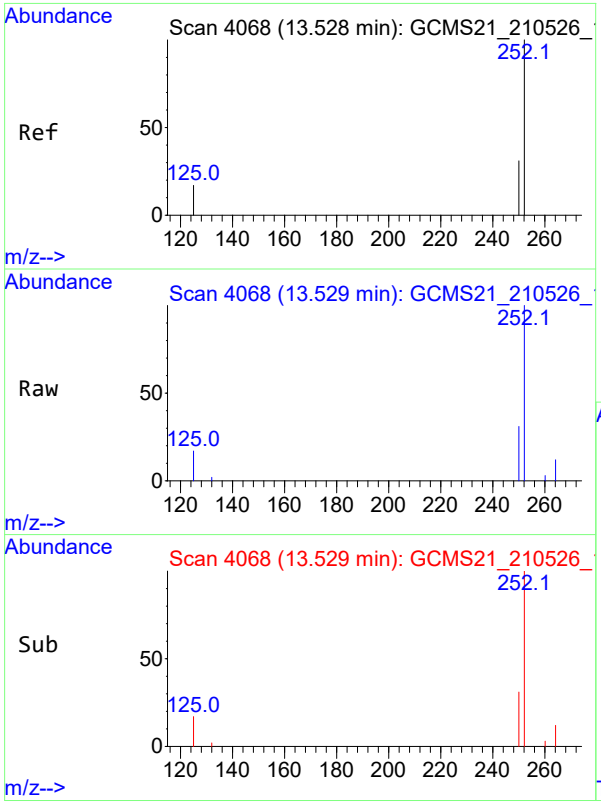


#27
Benzo(a)pyrene
Concen: 87.06 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.003 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 80379

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	57.2
125	12.3	0.0	42.3

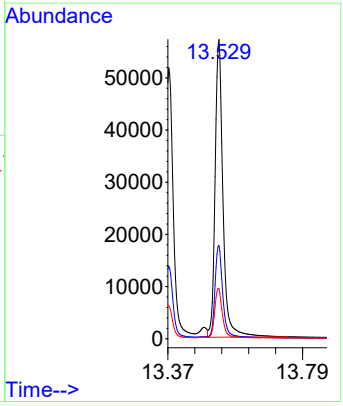


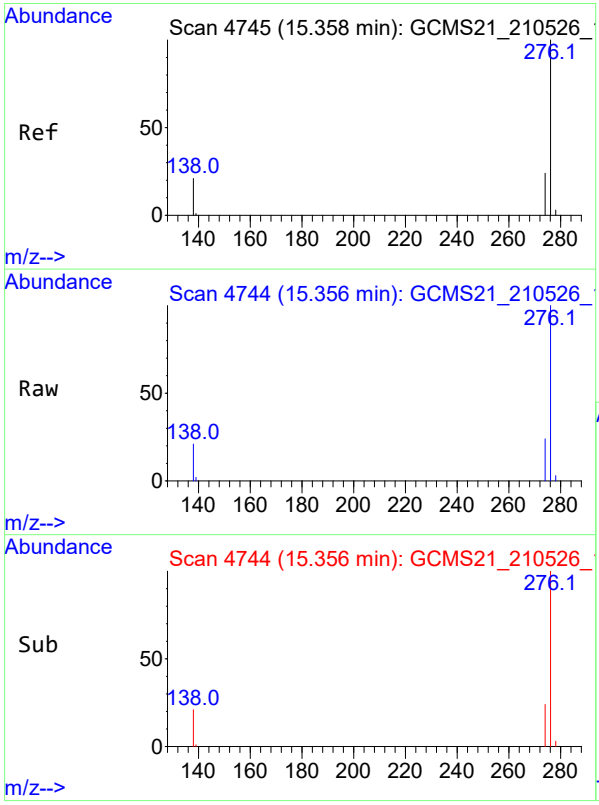


#28
Perylene
Concen: 96.27 ng/mL
RT: 13.529 min Scan# 4068
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 96451

Ion	Ratio	Lower	Upper
252	100		
250	30.9	1.1	61.1
125	16.3	0.0	46.2

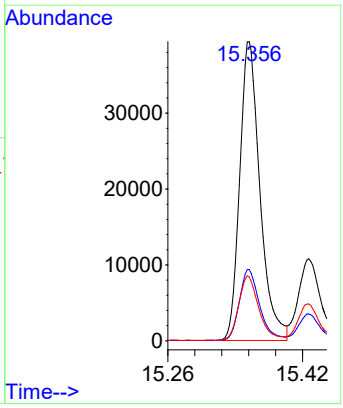


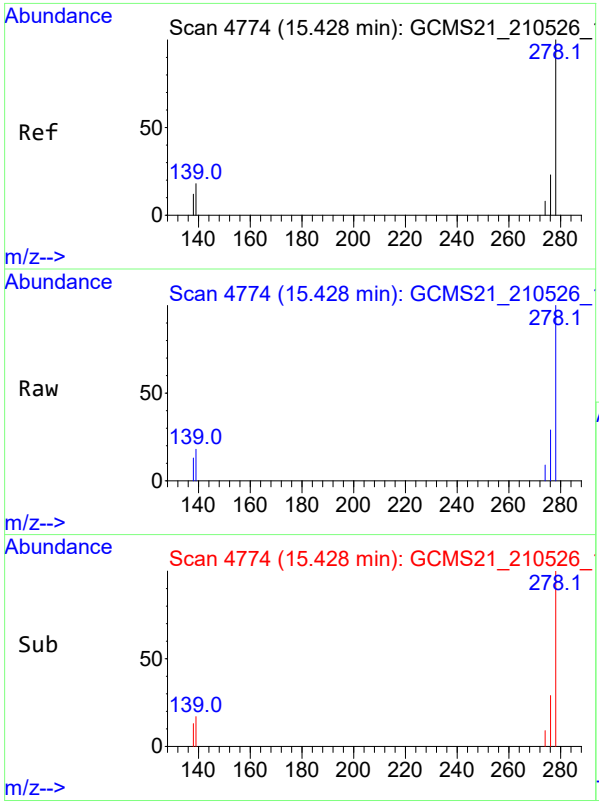


#29
Indeno(1,2,3-cd)pyrene
Concen: 84.72 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:276 Resp: 67226

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.7
138	21.2	0.0	51.1

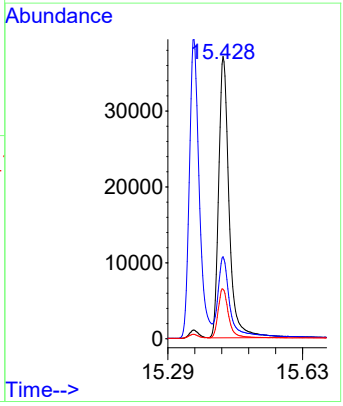


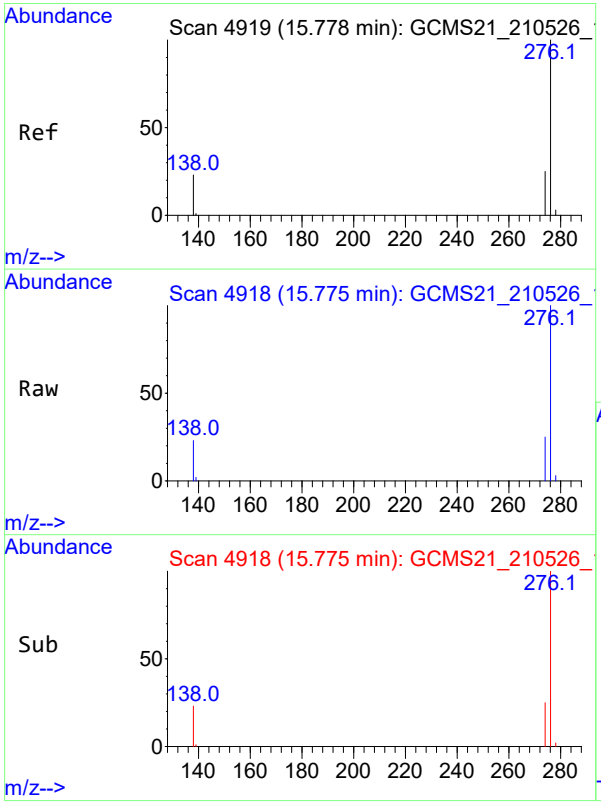


#30
Dibenz(a,h)anthracene
Concen: 79.34 ng/mL
RT: 15.428 min Scan# 4774
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:278 Resp: 66958

Ion	Ratio	Lower	Upper
278	100		
276	32.6	2.7	62.7
139	17.4	0.0	47.4

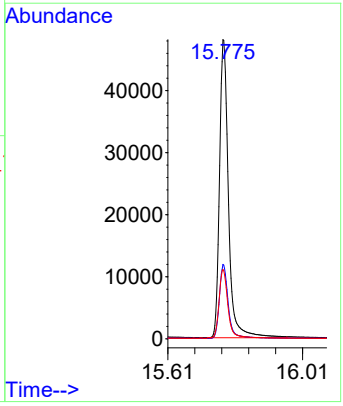




#31
Benzo(g,h,i)perylene
Concen: 90.47 ng/mL
RT: 15.775 min Scan# 4918
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:276 Resp: 88992

Ion	Ratio	Lower	Upper
276	100		
274	24.2	0.0	54.7
138	22.6	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_14.D
Acq On : 26 May 2021 16:22
Operator : MN GCMS21
Sample : CAL6_100ng/mL
Misc : LIMS 21B0106
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 02 11:54:55 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

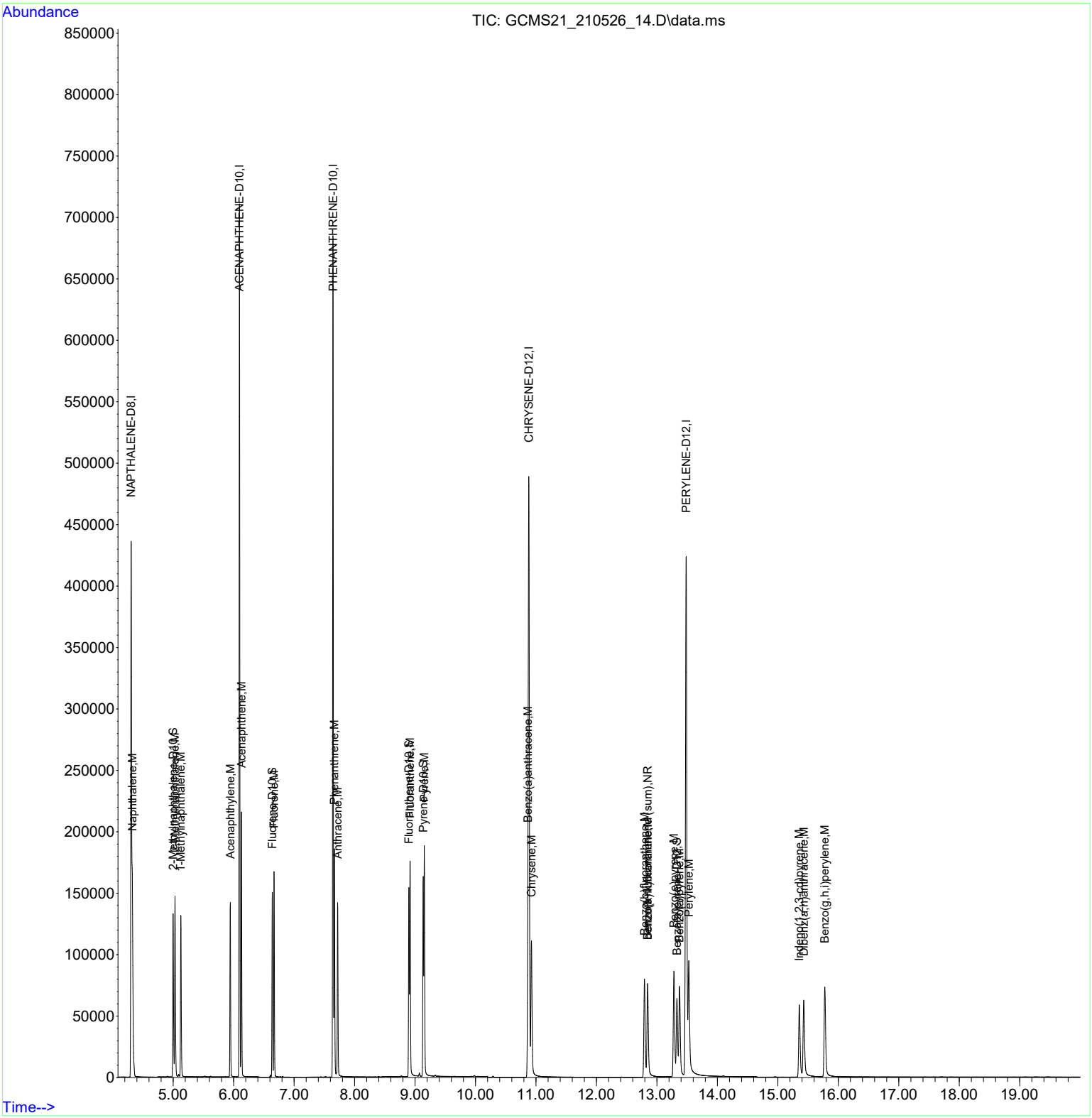
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	455389	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	254757	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	481101	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.883	240	475819	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	469325	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	55471	95.53	ng/mL	0.00
9) Fluorene-D10	6.639	176	57370	96.76	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	99763	92.82	ng/mL	0.00
17) Pyrene-D10	9.135	212	104339	96.14	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	72359	89.50	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.325	128	85235	97.51	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	57446	92.69	ng/mL	100
5) 1-Methylnaphthalene	5.127	142	51082	91.58	ng/mL	100
7) Acenaphthylene	5.946	152	77714	94.67	ng/mL	100
8) Acenaphthene	6.130	153	59687	95.92	ng/mL	99
10) Fluorene	6.668	166	65219	92.16	ng/mL	100
12) Phenanthrene	7.667	178	105156	93.80	ng/mL	100
13) Anthracene	7.719	178	88050	86.78	ng/mL	100
15) Fluoranthene	8.919	202	109783	90.17	ng/mL	100
18) Pyrene	9.153	202	115601	95.55	ng/mL	100
19) Benzo(a)anthracene	10.866	228	92208	96.31	ng/mL	100
20) Chrysene	10.925	228	107397	97.71	ng/mL	100
22) Benzo(b)fluoranthene	12.794	252	94583	102.35	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	99953	97.10	ng/mL	99
24) benzo(b+k)fluoranthene...	12.847	252	100423	102.15	ng/mL	97
25) Benzo(e)pyrene	13.283	252	96394	101.15	ng/mL	100
27) Benzo(a)pyrene	13.374	252	80379	87.06	ng/mL	99
28) Perylene	13.529	252	96451	96.27	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.356	276	67226	84.72	ng/mL	100
30) Dibenz(a,h)anthracene	15.428	278	66958	79.34	ng/mL	100
31) Benzo(g,h,i)perylene	15.775	276	88992	90.47	ng/mL	99

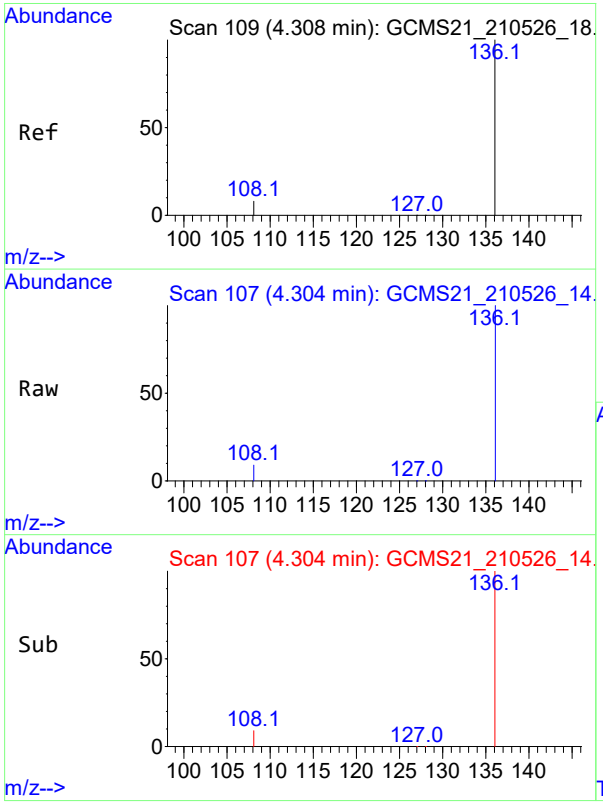
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_14.D
Acq On : 26 May 2021 16:22
Operator : MN GCMS21
Sample : CAL6_100ng/mL
Misc : LIMS 21B0106
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 02 11:54:55 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

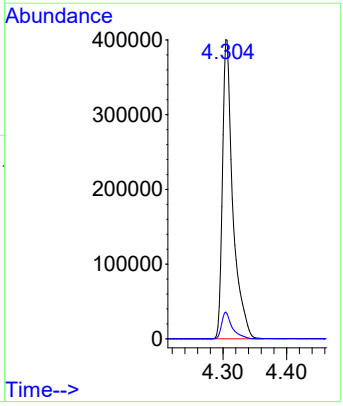


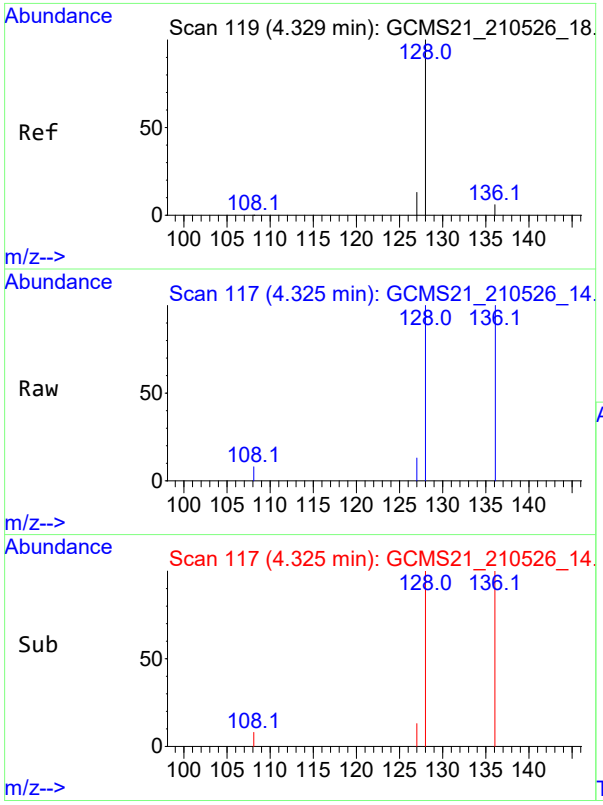


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:136 Resp: 455389

Ion	Ratio	Lower	Upper
136	100		
108	9.0	0.0	29.0

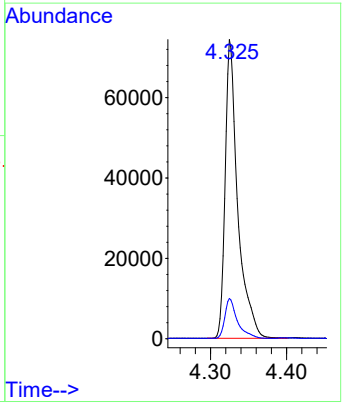


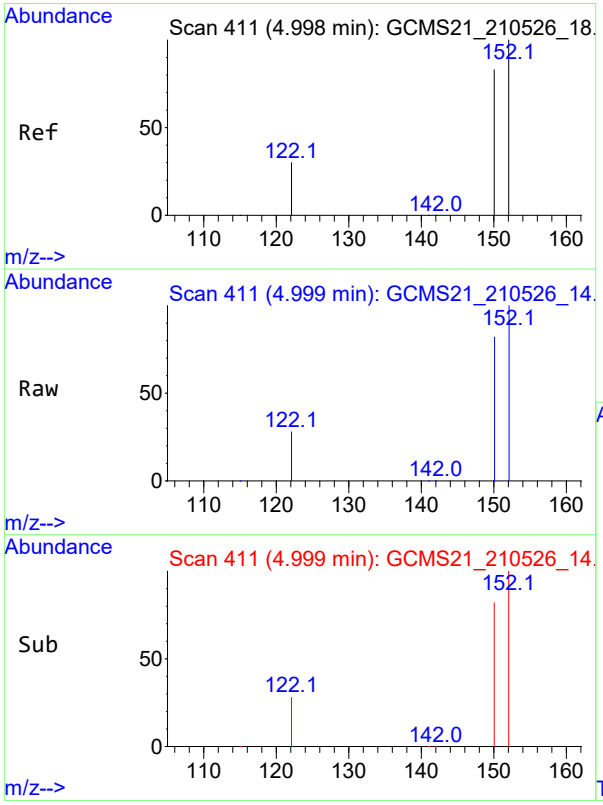


#2
Naphthalene
Concen: 97.51 ng/mL
RT: 4.325 min Scan# 117
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:128 Resp: 85235

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

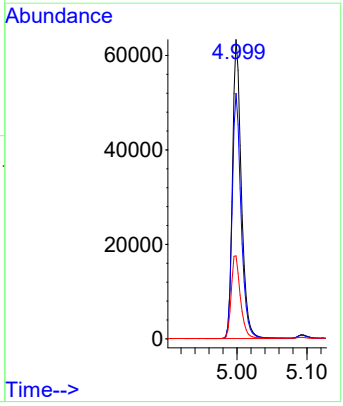


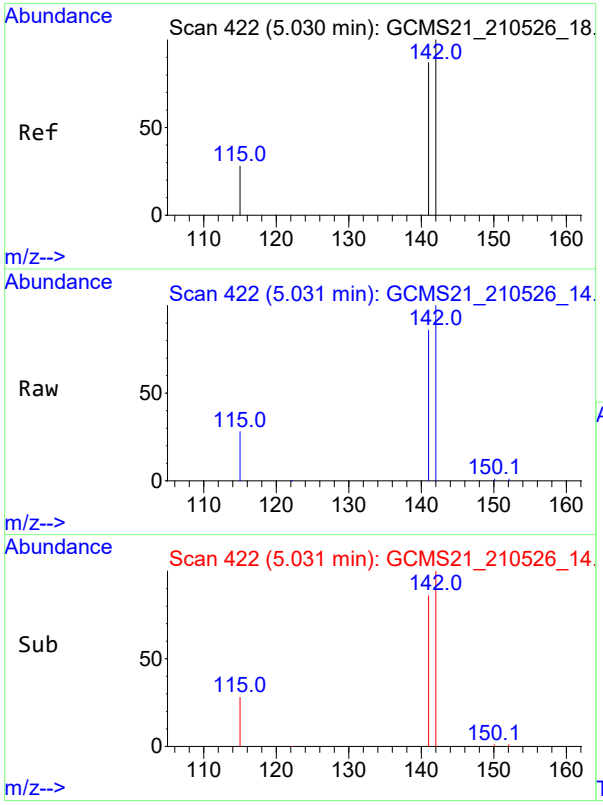


#3
2-Methylnaphthalene-D10
Concen: 95.53 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:152 Resp: 55471

Ion	Ratio	Lower	Upper
152	100		
150	82.4	57.5	106.7
122	28.8	20.1	37.3

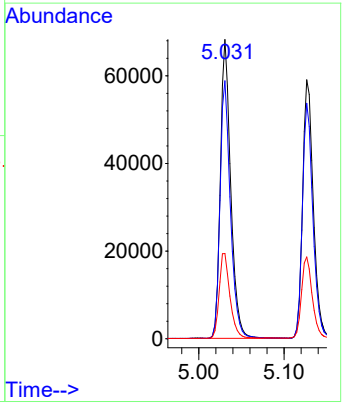


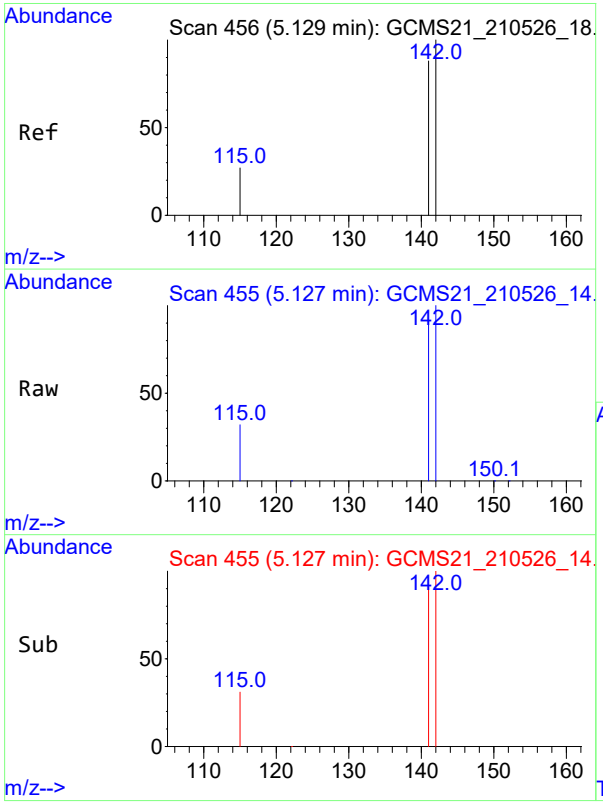


#4
2-Methylnaphthalene
Concen: 92.69 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:142 Resp: 57446

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.5	116.5
115	29.6	0.0	59.3

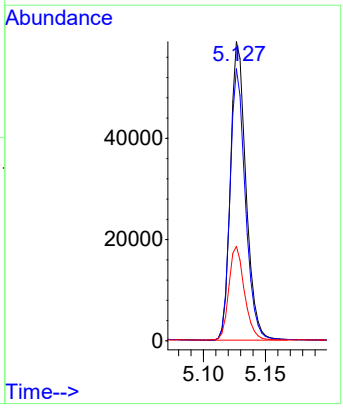


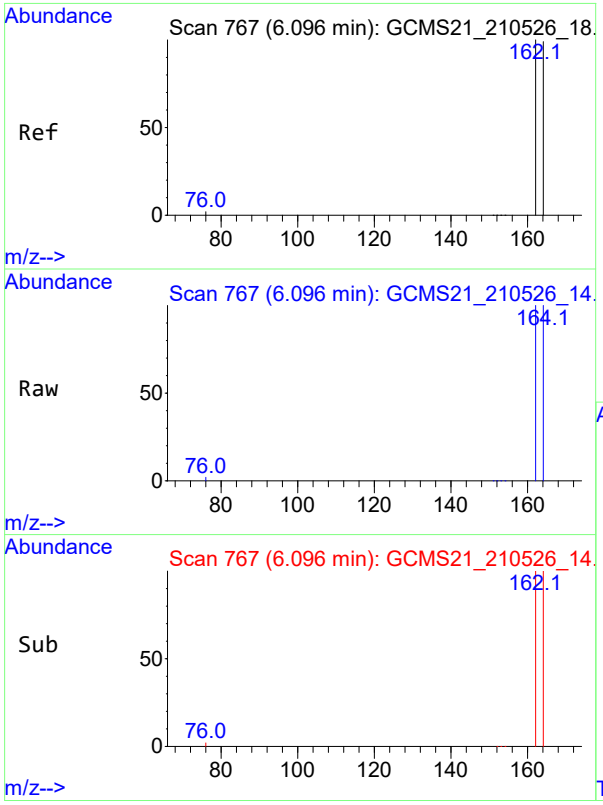


#5
1-Methylnaphthalene
Concen: 91.58 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:142 Resp: 51082

Ion	Ratio	Lower	Upper
142	100		
141	89.8	59.6	119.6
115	31.7	1.2	61.2

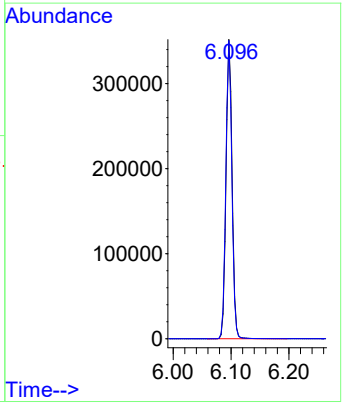


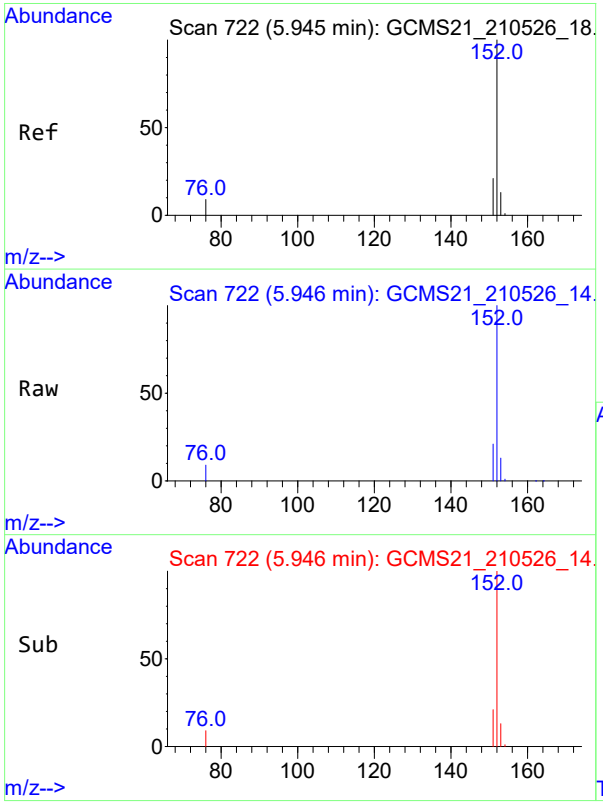


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:164 Resp: 254757

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.5	119.5

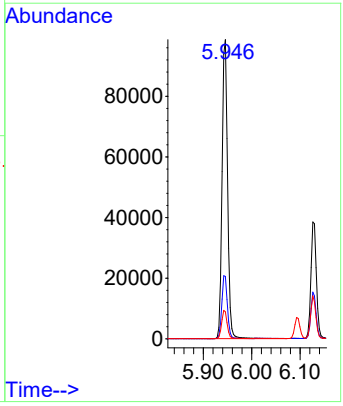


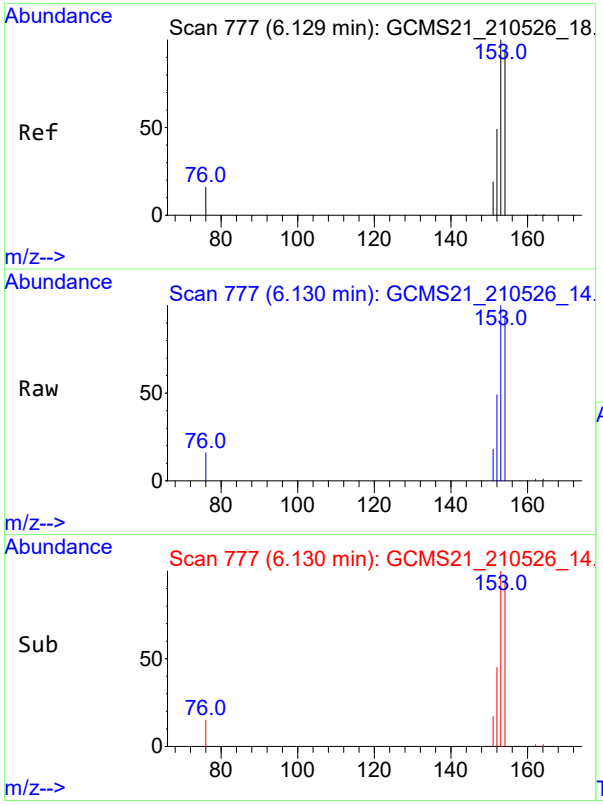


#7
Acenaphthylene
Concen: 94.67 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:152 Resp: 77714

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.0	51.5
76	9.5	0.0	39.5

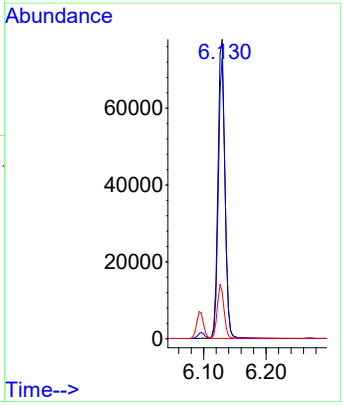


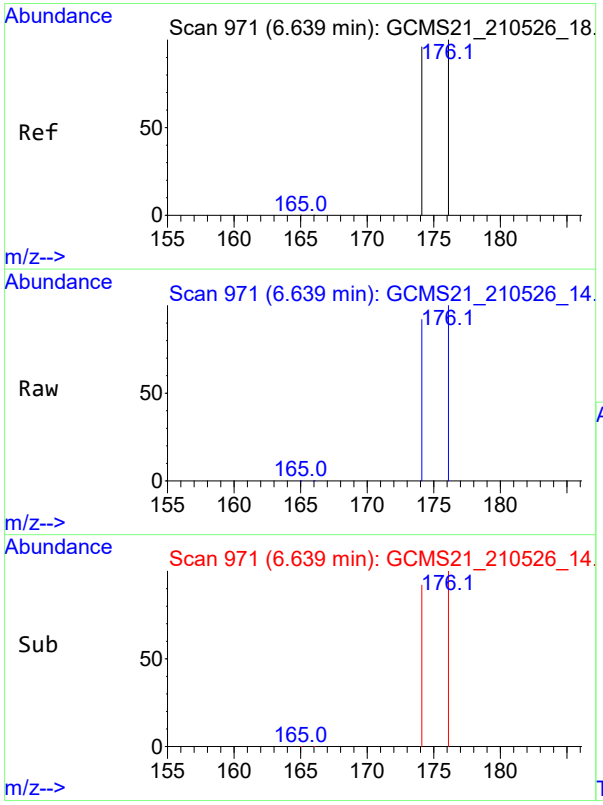


#8
Acenaphthene
Concen: 95.92 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:153 Resp: 59687

Ion	Ratio	Lower	Upper
153	100		
154	91.3	61.9	121.9
76	17.6	0.0	47.6

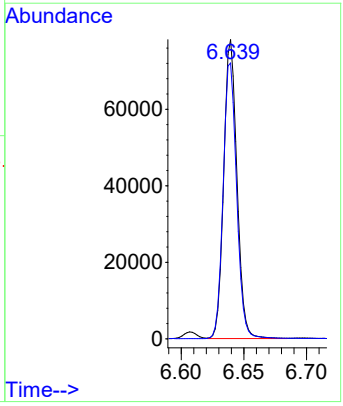


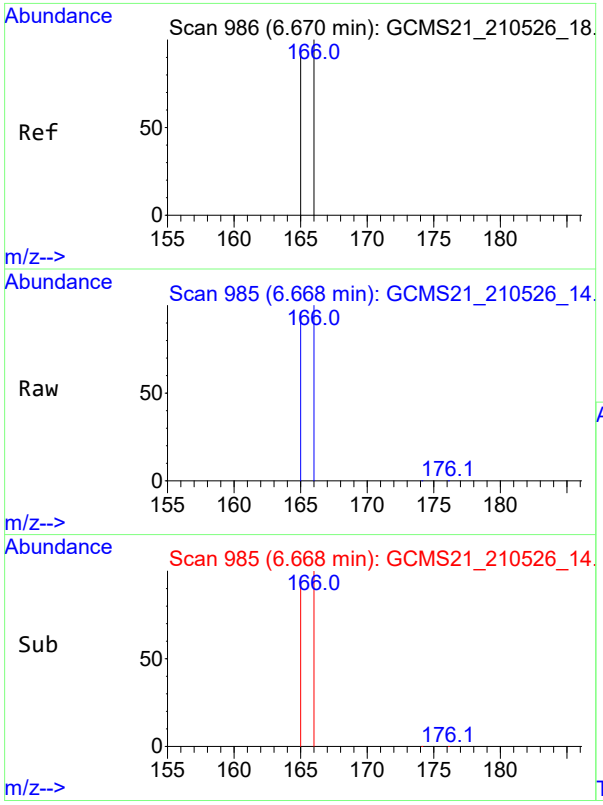


#9
Fluorene-D10
Concen: 96.76 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:176 Resp: 57370

Ion	Ratio	Lower	Upper
176	100		
174	94.2	66.0	122.6

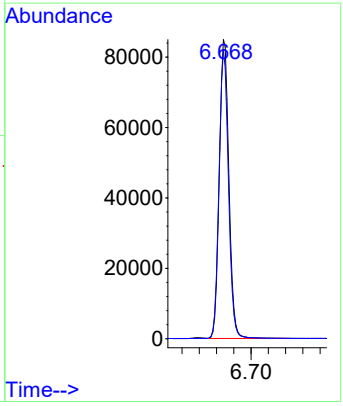


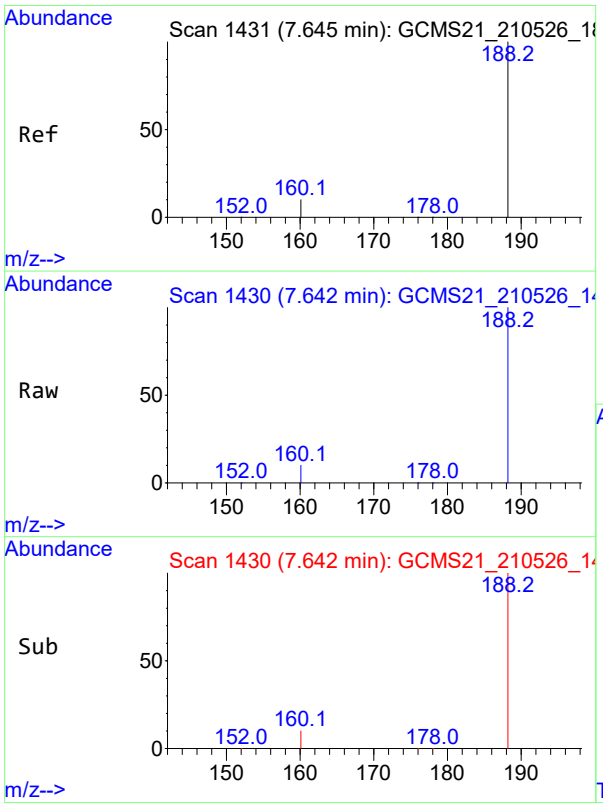


#10
Fluorene
Concen: 92.16 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:166 Resp: 65219

Ion	Ratio	Lower	Upper
166	100		
165	95.5	65.4	125.4

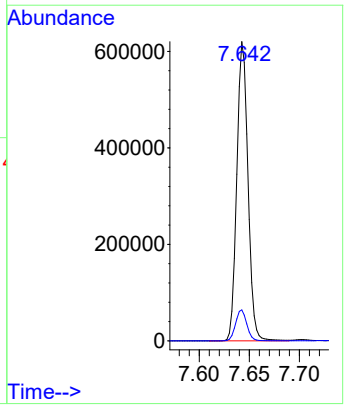


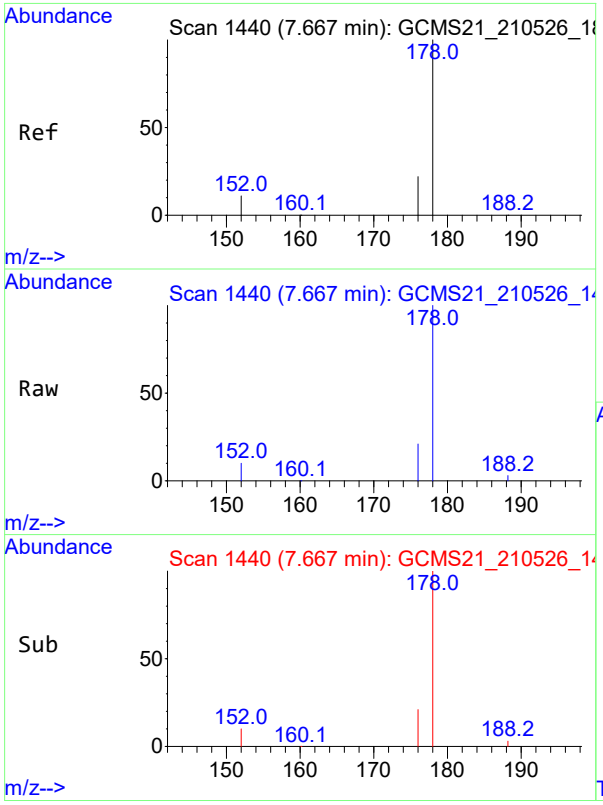


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:188 Resp: 481101

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

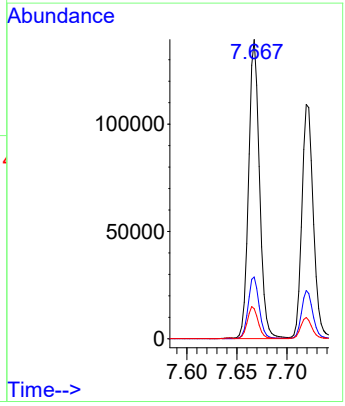


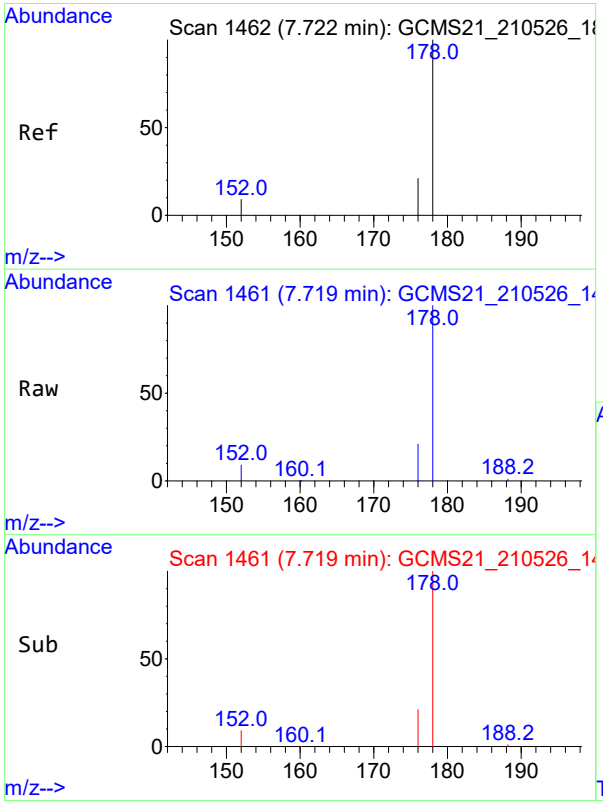


#12
Phenanthrene
Concen: 93.80 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:178 Resp: 105156

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	50.9
152	10.6	0.0	40.7

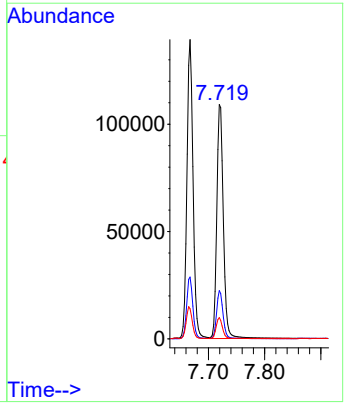


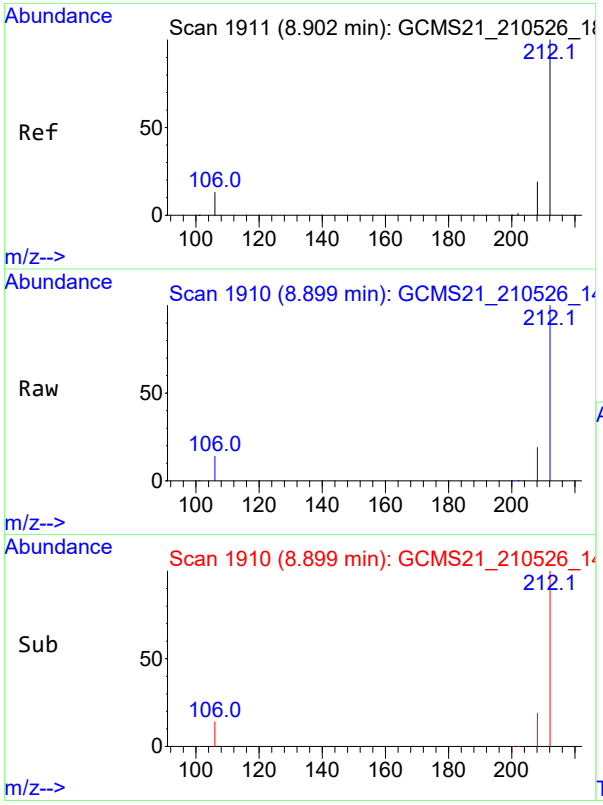


#13
Anthracene
Concen: 86.78 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:178 Resp: 88050

Ion	Ratio	Lower	Upper
178	100		
176	20.2	0.0	50.2
152	8.7	0.0	38.7

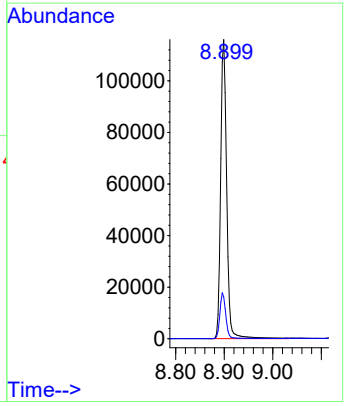


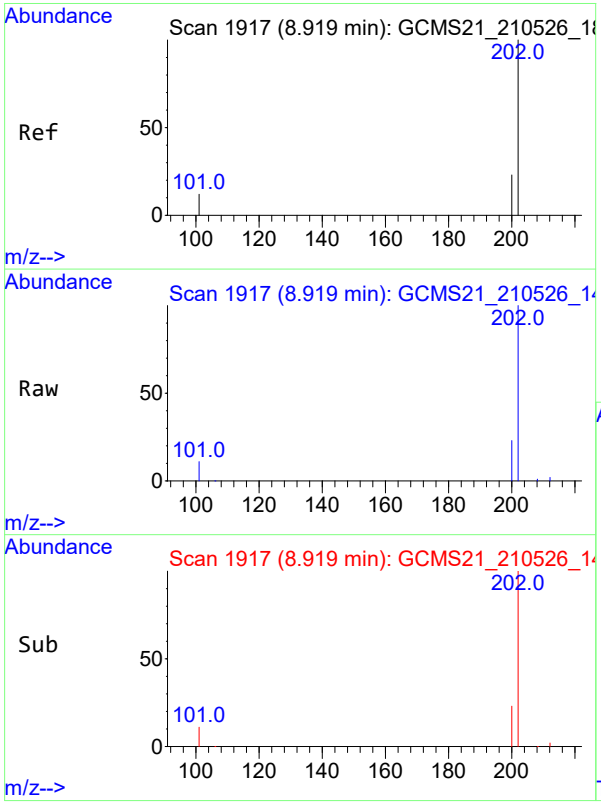


#14
Fluoranthene-D10
Concen: 92.82 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:212 Resp: 99763

Ion	Ratio	Lower	Upper
212	100		
106	15.0	10.6	19.6

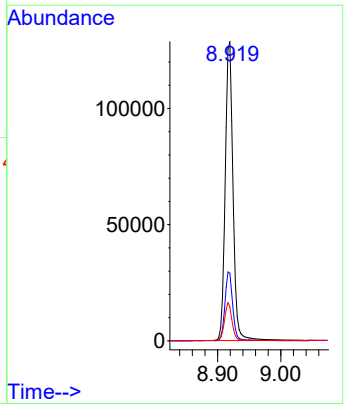


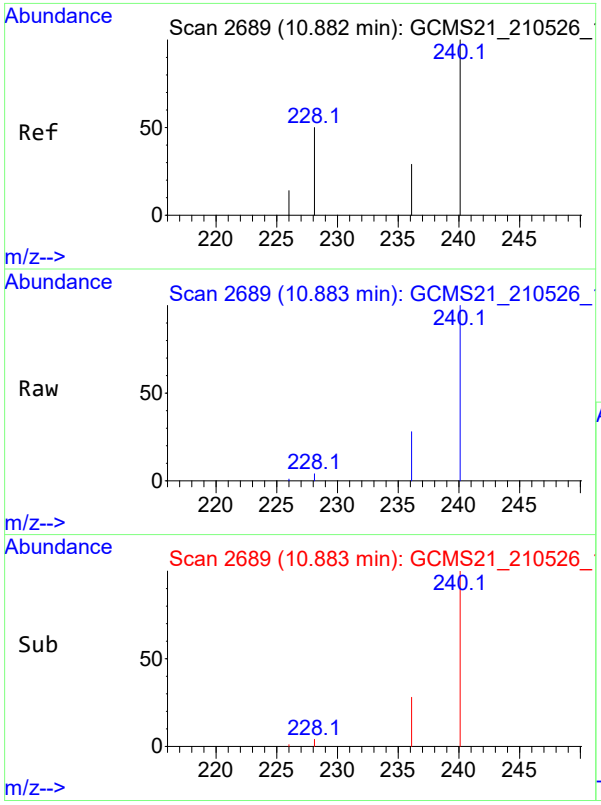


#15
Fluoranthene
Concen: 90.17 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:202 Resp: 109783

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.4	0.0	42.4

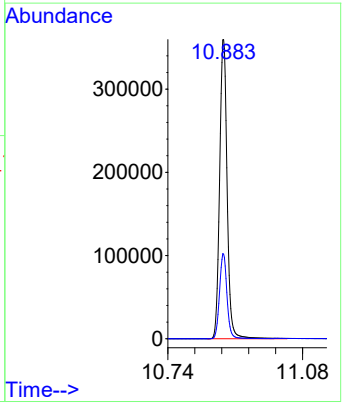


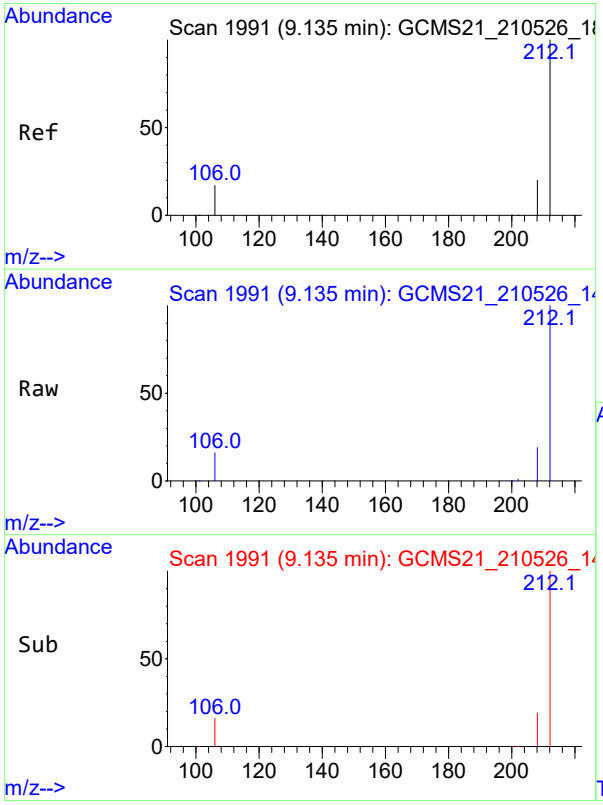


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.883 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:240 Resp: 475819

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

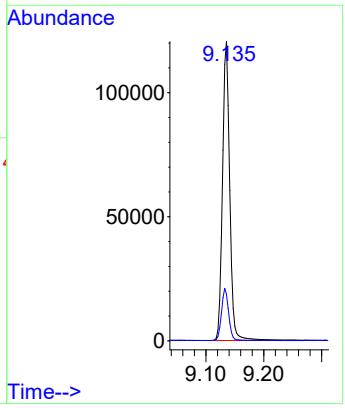


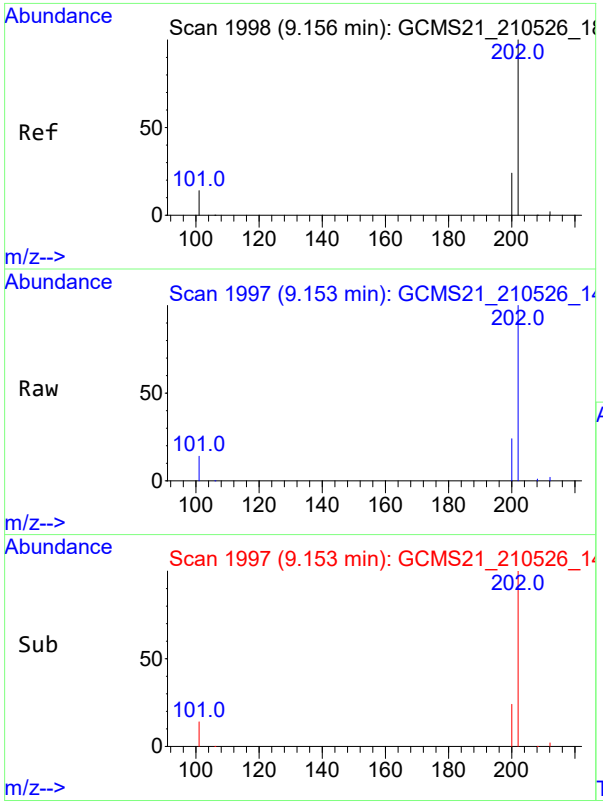


#17
Pyrene-D10
Concen: 96.14 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:212 Resp: 104339

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.2	22.6

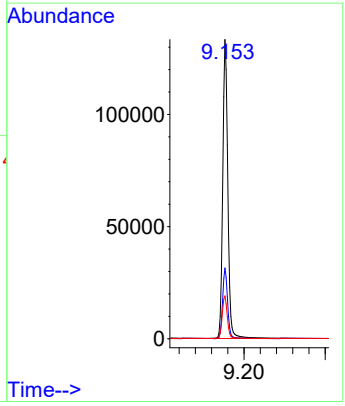


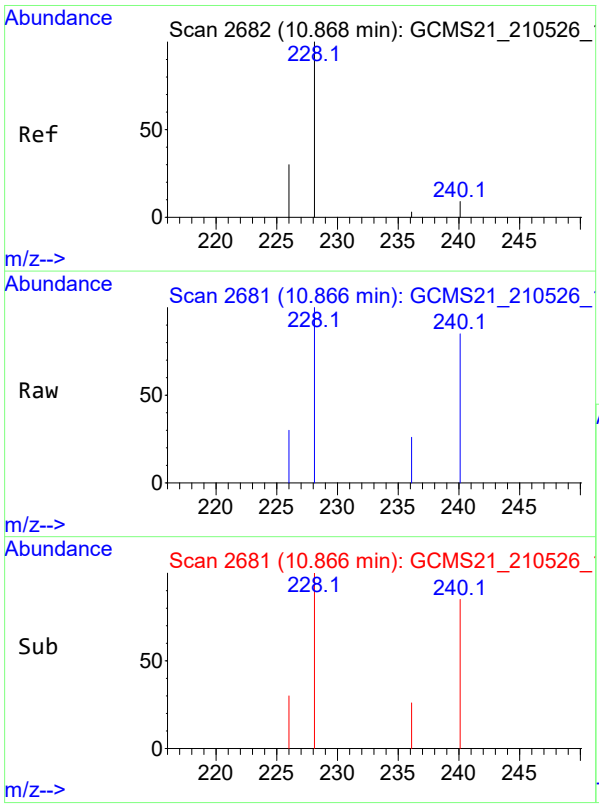


#18
Pyrene
Concen: 95.55 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:202 Resp: 115601

Ion	Ratio	Lower	Upper
202	100		
200	23.5	0.0	53.6
101	14.3	0.0	44.4

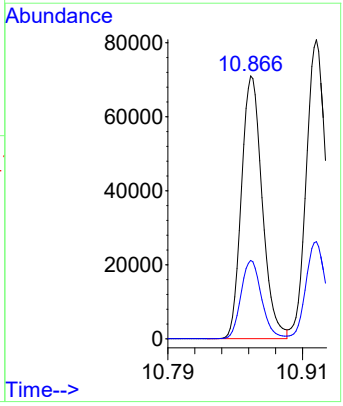


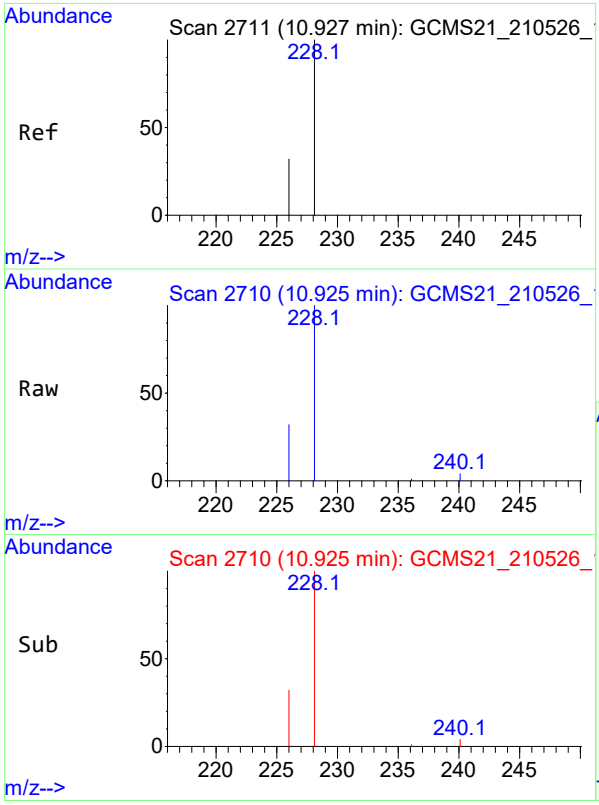


#19
Benzo(a)anthracene
Concen: 96.31 ng/mL
RT: 10.866 min Scan# 2681
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:228 Resp: 92208

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.6

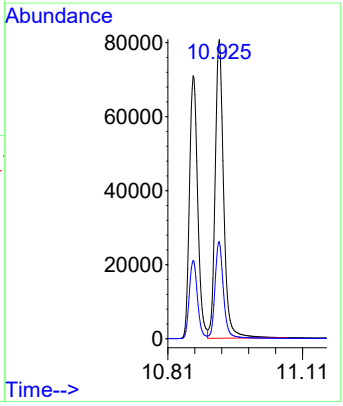


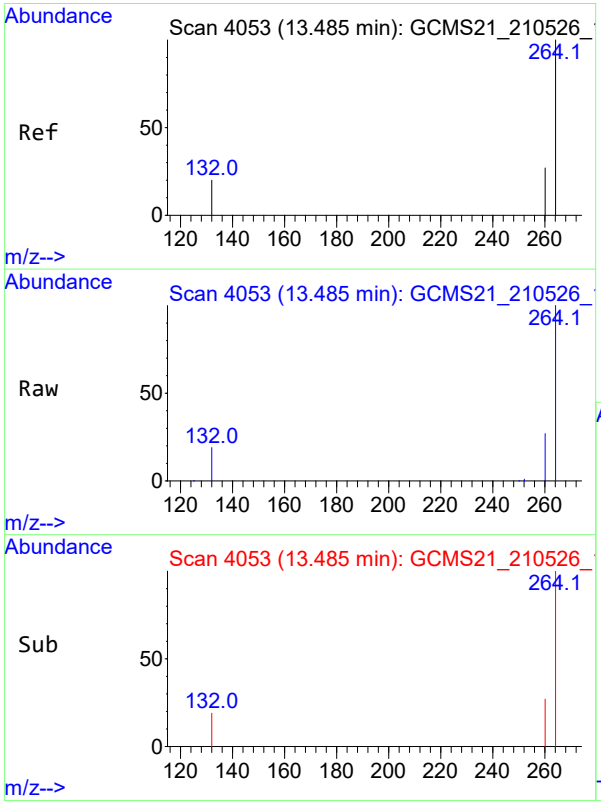


#20
Chrysene
Concen: 97.71 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:228 Resp: 107397

Ion	Ratio	Lower	Upper
228	100		
226	32.7	2.5	62.5

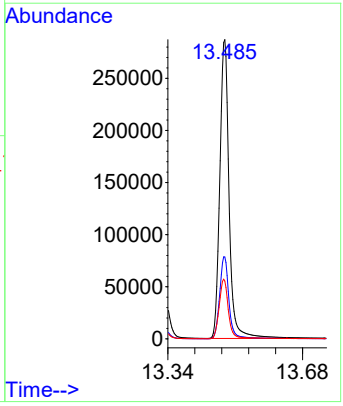


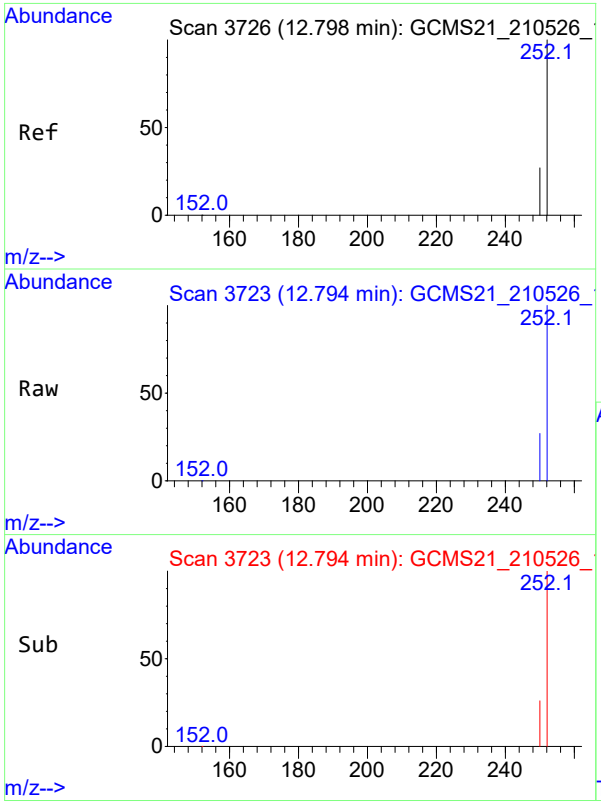


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:264 Resp: 469325

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.5
132	19.9	0.0	49.9

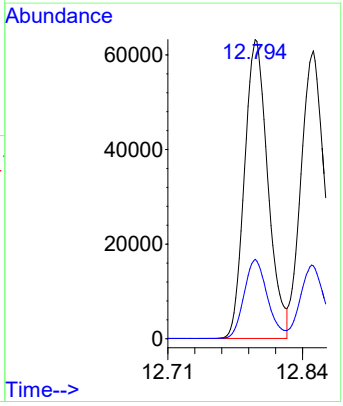


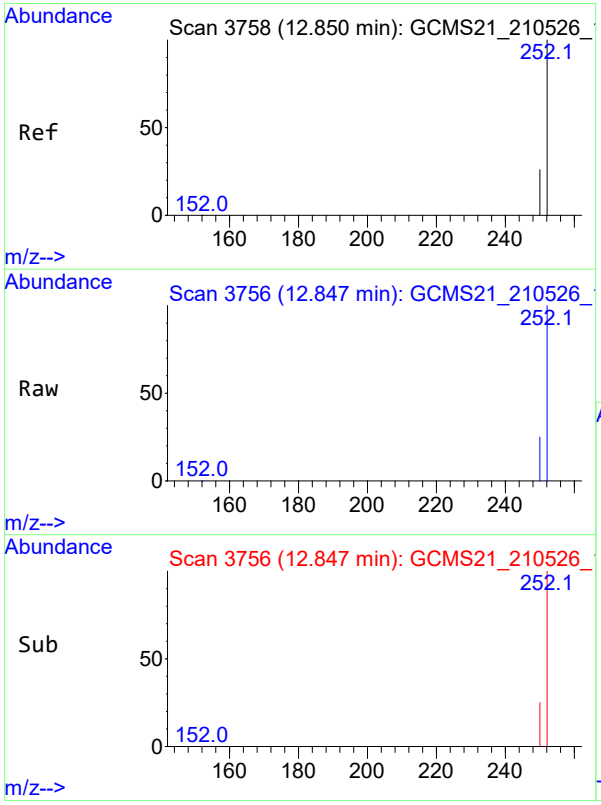


#22
Benzo(b)fluoranthene
Concen: 102.35 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 94583

Ion	Ratio	Lower	Upper
252	100		
250	26.2	0.0	56.2

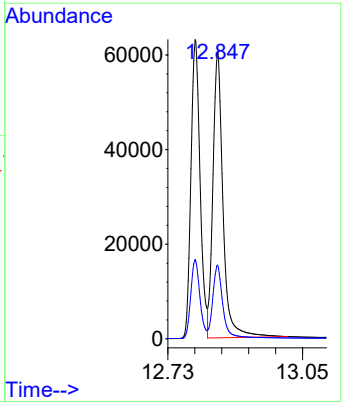


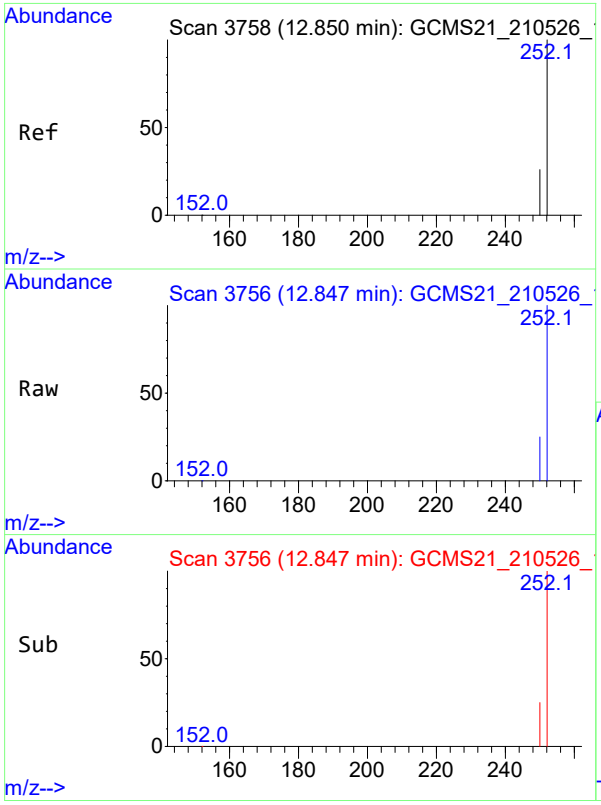


#23
Benzo(k)fluoranthene
Concen: 97.10 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 99953

Ion	Ratio	Lower	Upper
252	100		
250	25.0	0.0	55.4

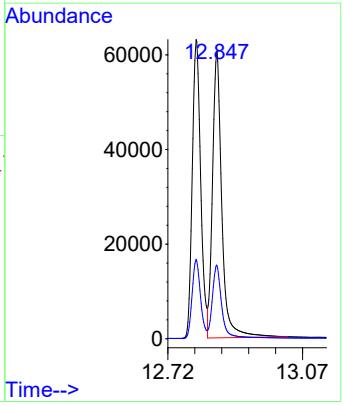


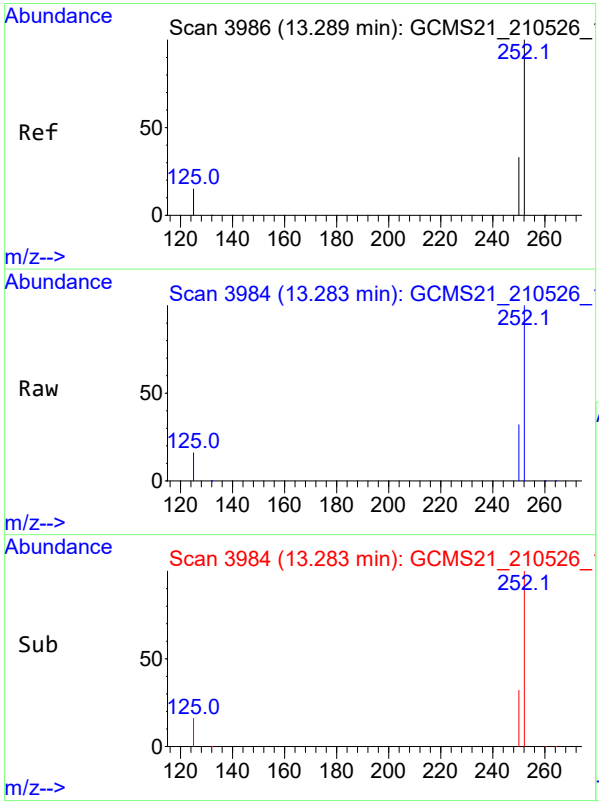


#24
benzo(b+k)fluoranthene (sum)
Concen: 102.15 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 100423

Ion	Ratio	Lower	Upper
252	100		
250	24.9	0.0	56.3

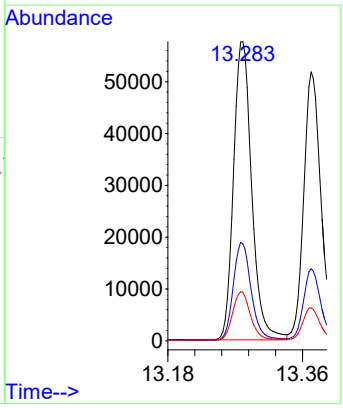


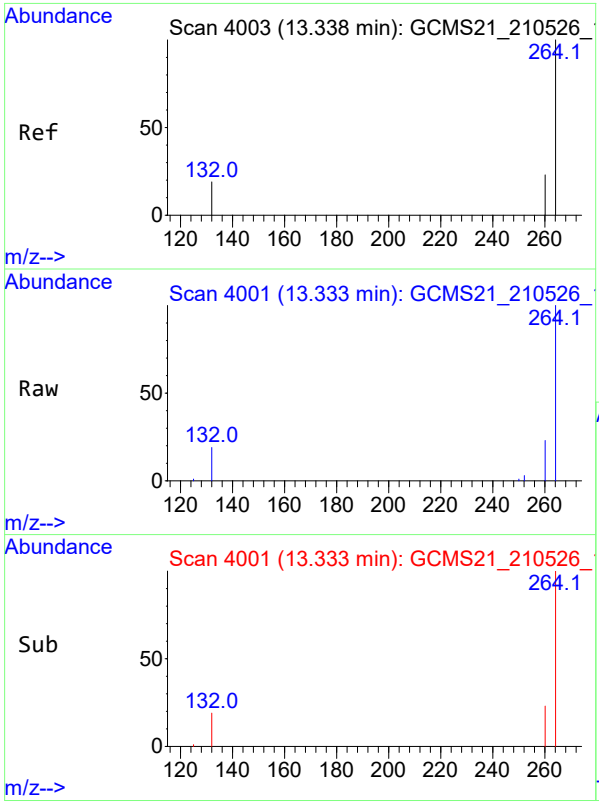


#25
Benzo(e)pyrene
Concen: 101.15 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 96394

Ion	Ratio	Lower	Upper
252	100		
250	32.4	2.4	62.4
125	16.1	0.0	46.0

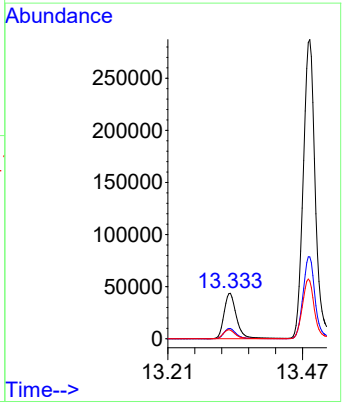


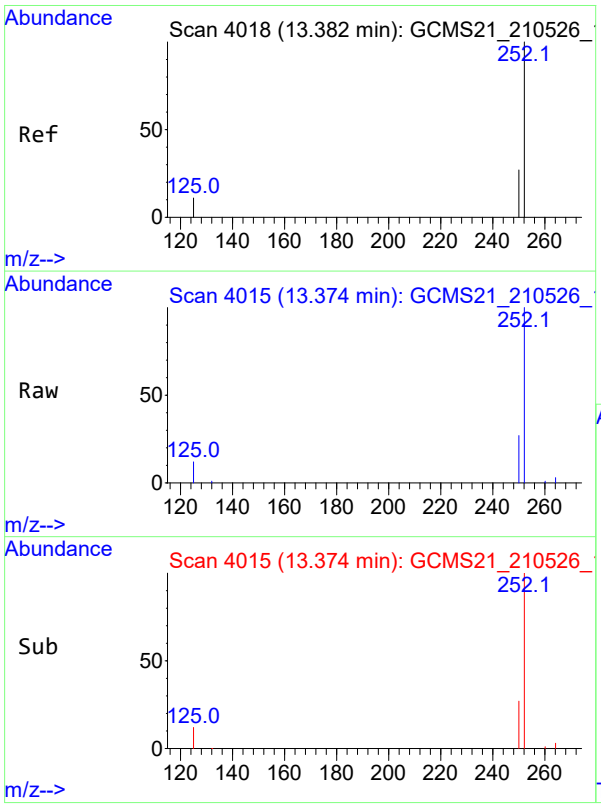


#26
Benzo(a)pyrene-D12
Concen: 89.50 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:264 Resp: 72359

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	52.7
132	19.5	0.0	49.5

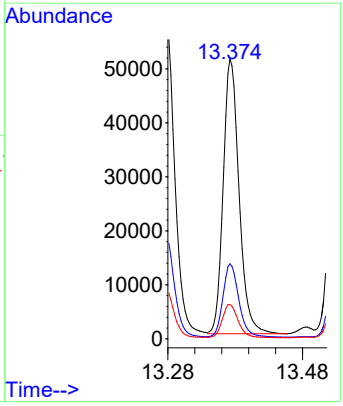


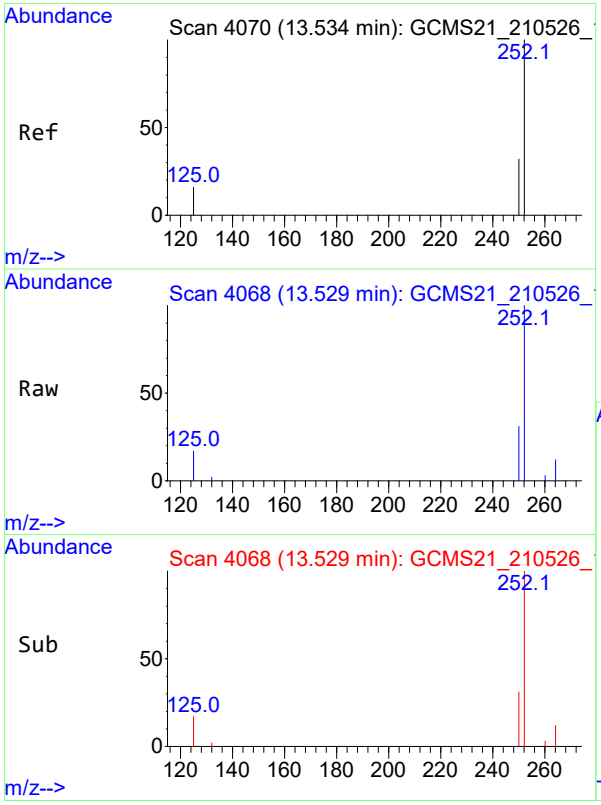


#27
Benzo(a)pyrene
Concen: 87.06 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.003 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 80379

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	57.2
125	12.3	0.0	42.3

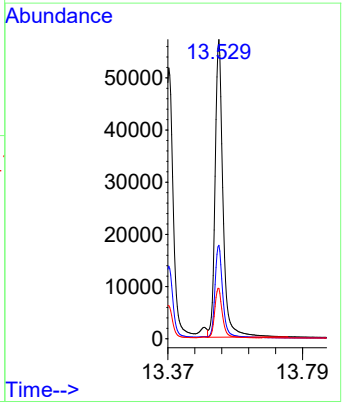


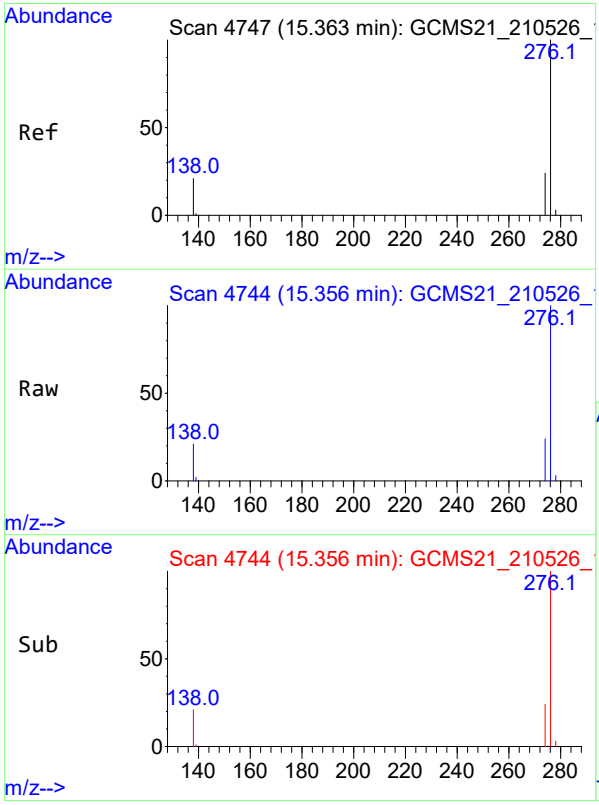


#28
Perylene
Concen: 96.27 ng/mL
RT: 13.529 min Scan# 4068
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:252 Resp: 96451

Ion	Ratio	Lower	Upper
252	100		
250	30.9	1.1	61.1
125	16.3	0.0	46.2

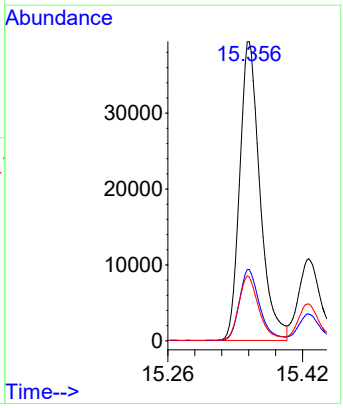


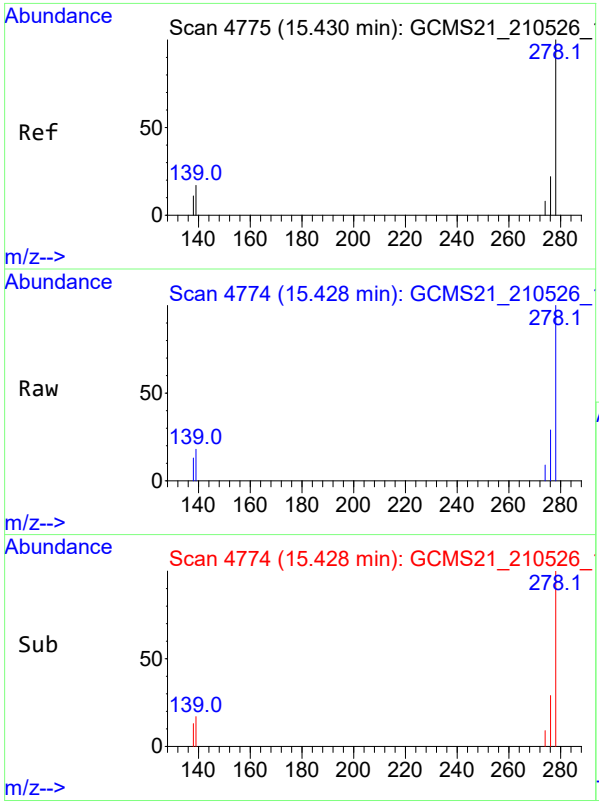


#29
Indeno(1,2,3-cd)pyrene
Concen: 84.72 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:276 Resp: 67226

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.7
138	21.2	0.0	51.1

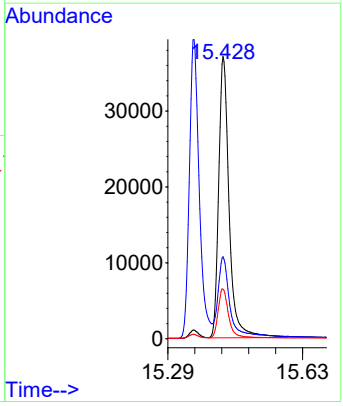


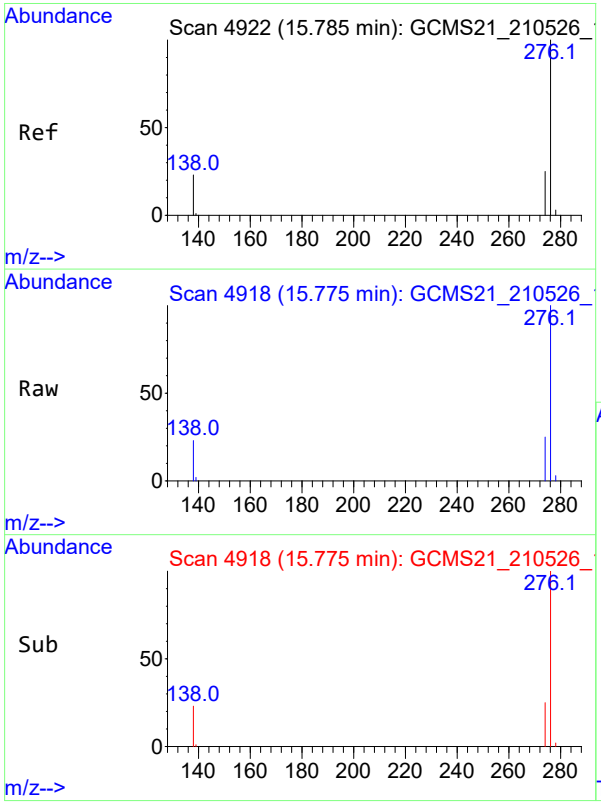


#30
Dibenz(a,h)anthracene
Concen: 79.34 ng/mL
RT: 15.428 min Scan# 4774
Delta R.T. 0.000 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:278 Resp: 66958

Ion	Ratio	Lower	Upper
278	100		
276	32.6	2.7	62.7
139	17.4	0.0	47.4

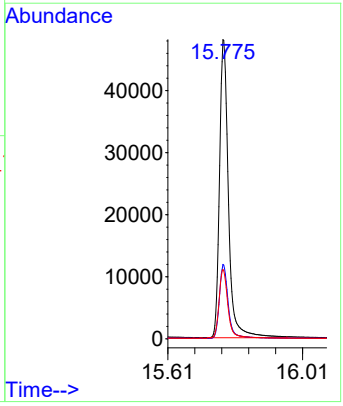




#31
Benzo(g,h,i)perylene
Concen: 90.47 ng/mL
RT: 15.775 min Scan# 4918
Delta R.T. -0.002 min
Lab File: GCMS21_210526_14.D
Acq: 26 May 2021 16:22

Tgt Ion:276 Resp: 88992

Ion	Ratio	Lower	Upper
276	100		
274	24.2	0.0	54.7
138	22.6	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_15.D
Acq On : 26 May 2021 16:47
Operator : MN GCMS21
Sample : CAL7_250ng/mL
Misc : LIMS 21B0107
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 02 11:55:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

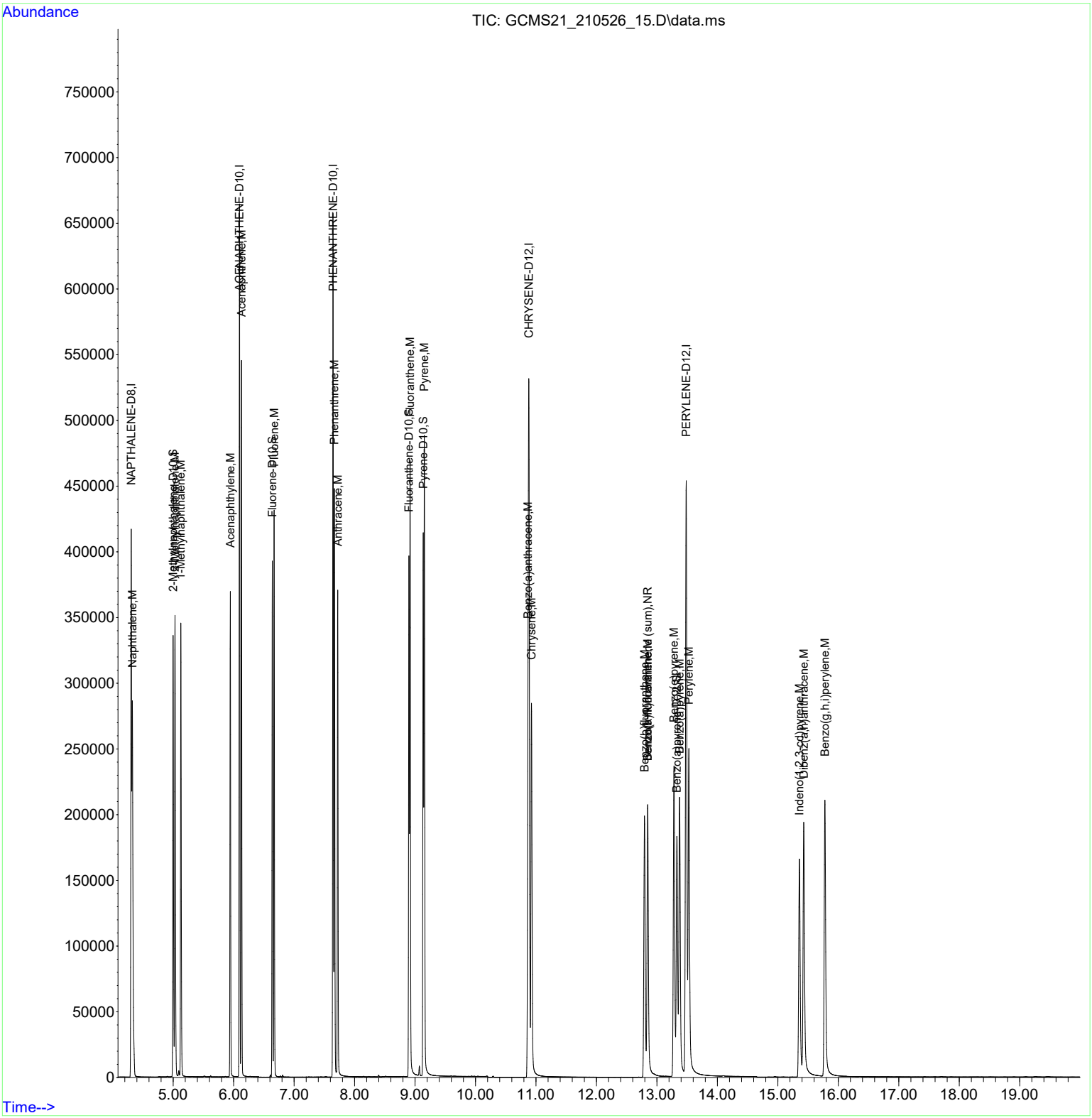
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.306	136	433303	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	246141	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	466889	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	474134	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	500118	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	138450	250.58	ng/mL	0.00
9) Fluorene-D10	6.639	176	143740	250.91	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	254257	243.76	ng/mL	0.00
17) Pyrene-D10	9.135	212	270546	250.16	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.330	264	206884	240.12	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	206922	248.80	ng/mL	100
4) 2-Methylnaphthalene	5.030	142	143585	243.50	ng/mL	100
5) 1-Methylnaphthalene	5.126	142	129514	244.04	ng/mL	100
7) Acenaphthylene	5.945	152	193273	243.69	ng/mL	100
8) Acenaphthene	6.129	153	148579	247.12	ng/mL	100
10) Fluorene	6.670	166	166547	243.59	ng/mL	100
12) Phenanthrene	7.667	178	262798	249.02	ng/mL	100
13) Anthracene	7.722	178	225949	229.47	ng/mL	100
15) Fluoranthene	8.919	202	283240	239.72	ng/mL	100
18) Pyrene	9.153	202	298881	247.91	ng/mL	100
19) Benzo(a)anthracene	10.868	228	233203	244.43	ng/mL	100
20) Chrysene	10.925	228	273126	249.38	ng/mL	100
22) Benzo(b)fluoranthene	12.795	252	243628	247.41	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	265812	242.31	ng/mL	100
24) benzo(b+k)fluoranthene...	12.847	252	510612m	487.43	ng/mL	
25) Benzo(e)pyrene	13.283	252	255168	251.27	ng/mL	100
27) Benzo(a)pyrene	13.376	252	233919	237.77	ng/mL	100
28) Perylene	13.528	252	266371	249.51	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.358	276	193882	229.28	ng/mL	100
30) Dibenz(a,h)anthracene	15.428	278	201596	224.18	ng/mL	99
31) Benzo(g,h,i)perylene	15.778	276	249853	238.37	ng/mL	100

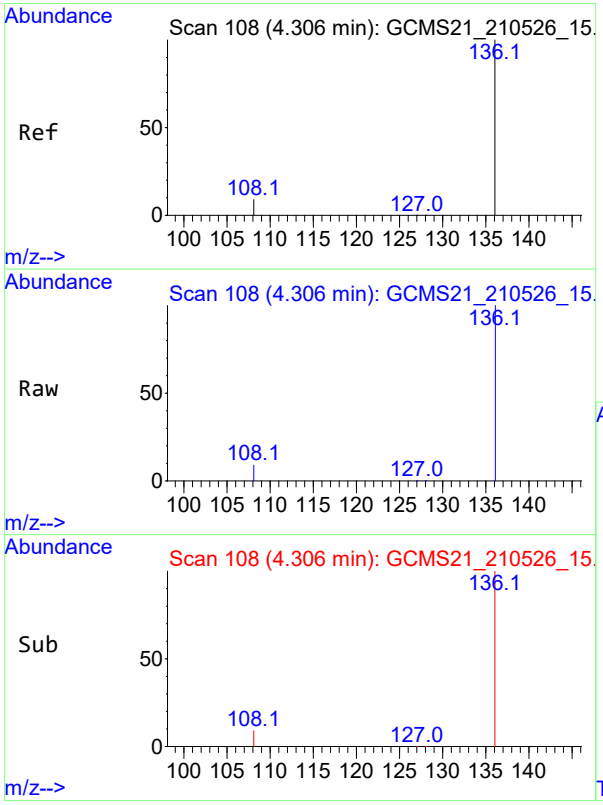
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_15.D
Acq On : 26 May 2021 16:47
Operator : MN GCMS21
Sample : CAL7_250ng/mL
Misc : LIMS 21B0107
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 02 11:55:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

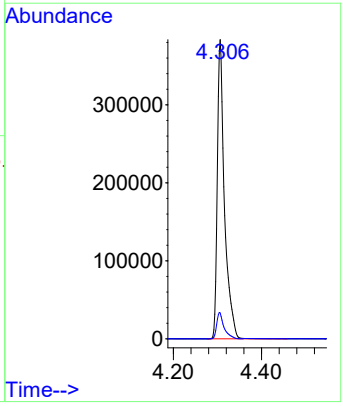


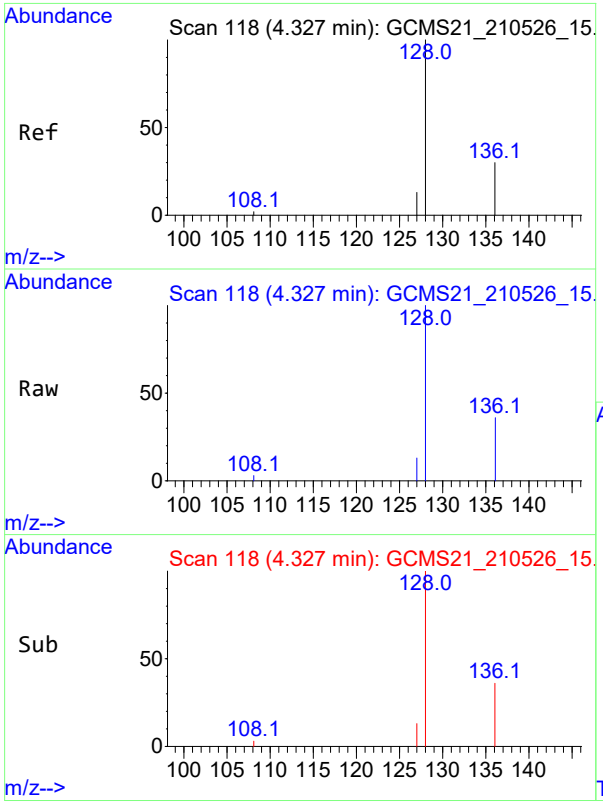


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:136 Resp: 433303

Ion	Ratio	Lower	Upper
136	100		
108	9.0	0.0	29.0

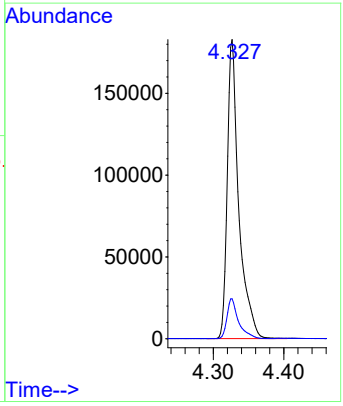


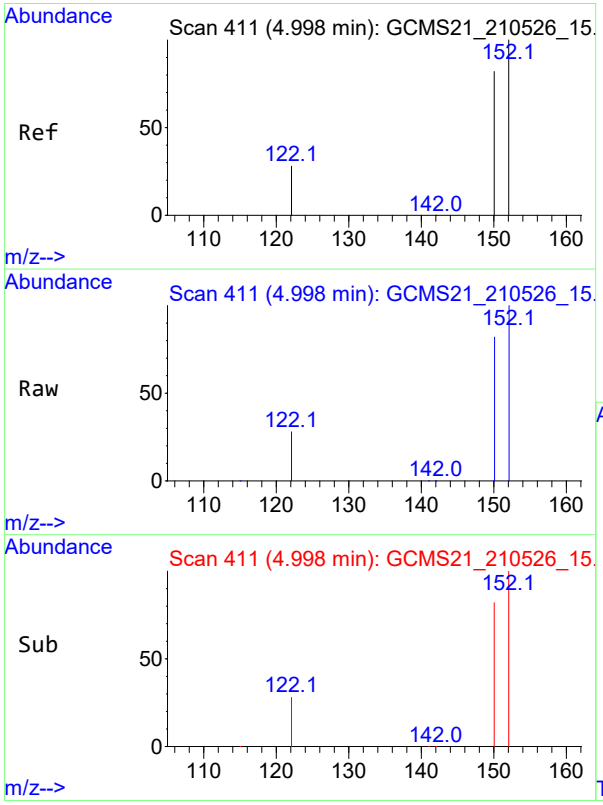


#2
Naphthalene
Concen: 248.80 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:128 Resp: 206922

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

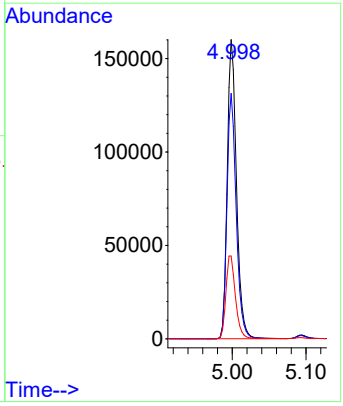


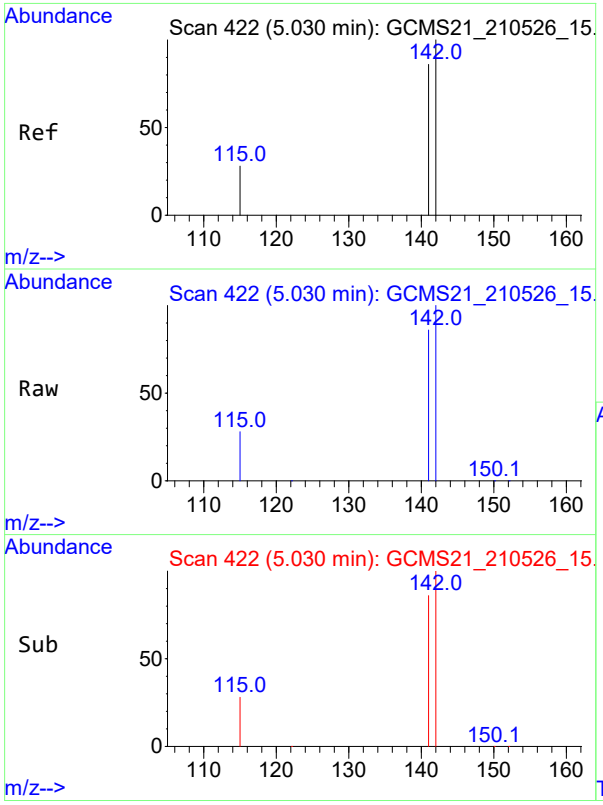


#3
2-Methylnaphthalene-D10
Concen: 250.58 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:152 Resp: 138450

Ion	Ratio	Lower	Upper
152	100		
150	82.1	57.5	106.7
122	28.7	20.1	37.3

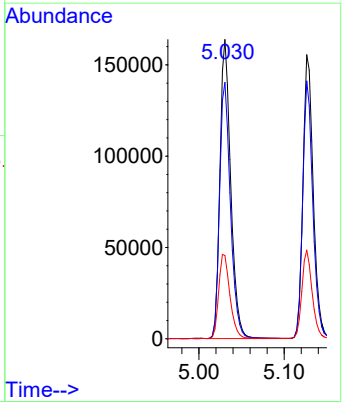


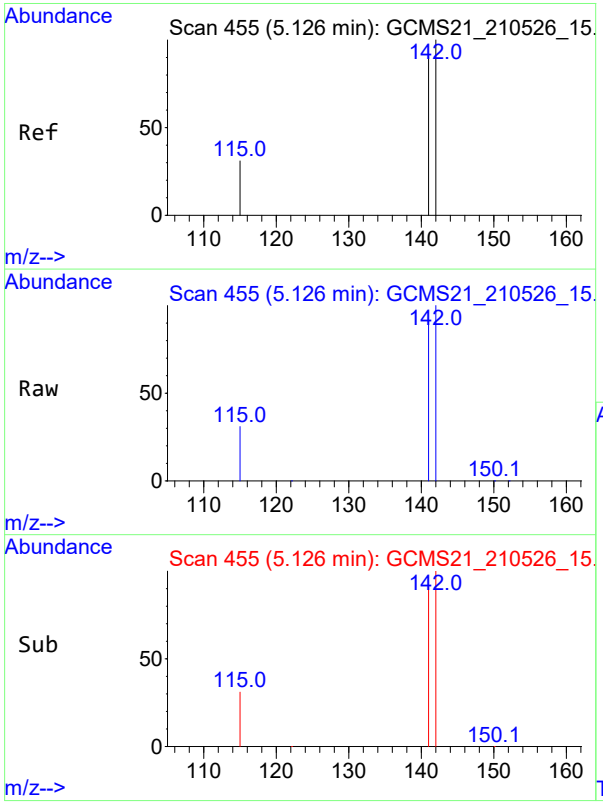


#4
2-Methylnaphthalene
Concen: 243.50 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:142 Resp: 143585

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.5	116.5
115	29.3	0.0	59.3

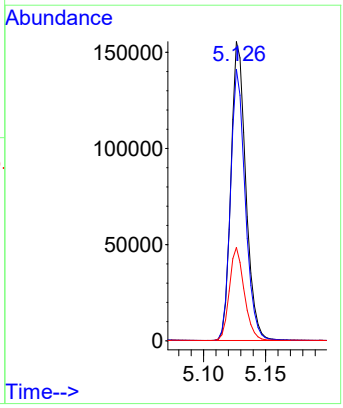


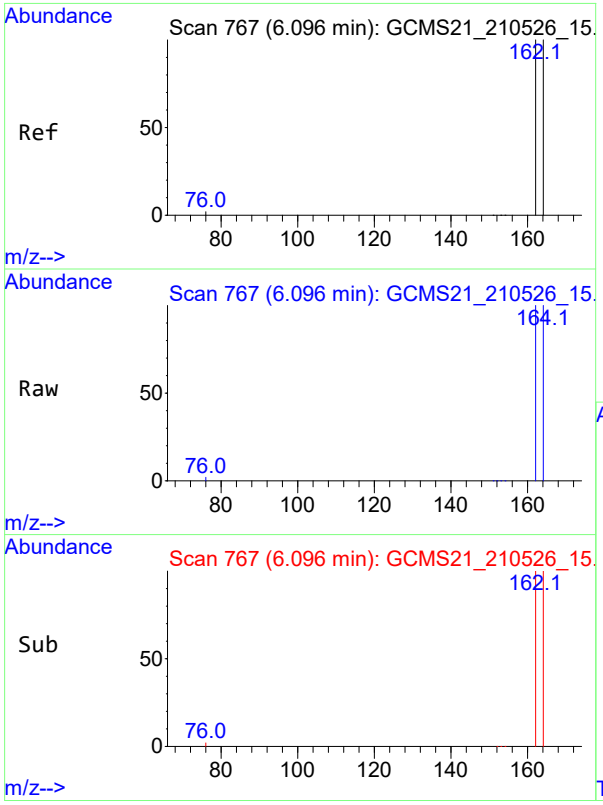


#5
1-Methylnaphthalene
Concen: 244.04 ng/mL
RT: 5.126 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:142 Resp: 129514

Ion	Ratio	Lower	Upper
142	100		
141	89.6	59.6	119.6
115	31.2	1.2	61.2

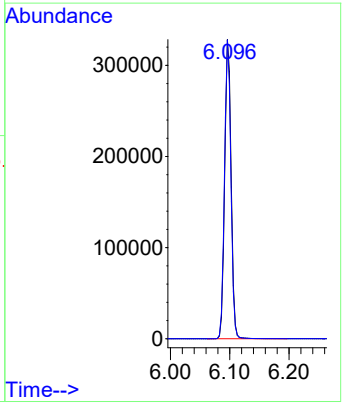


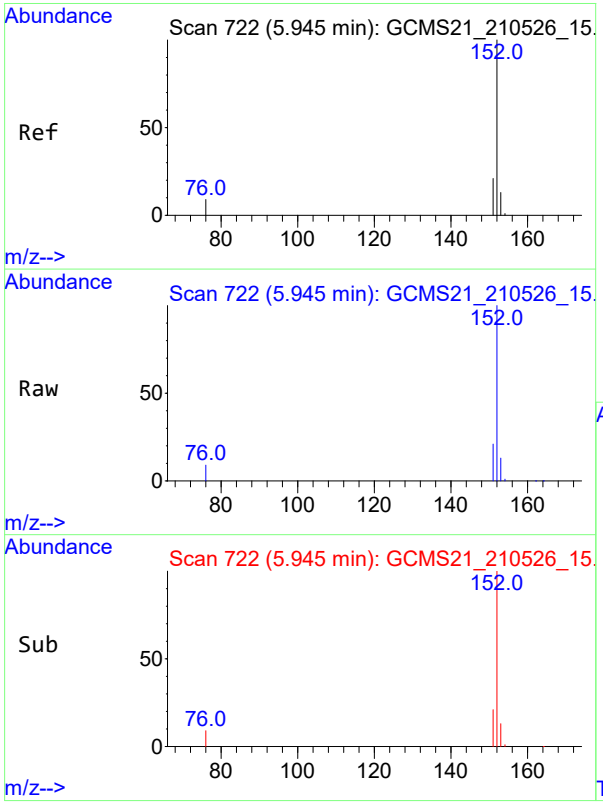


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:164 Resp: 246141

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.5	119.5

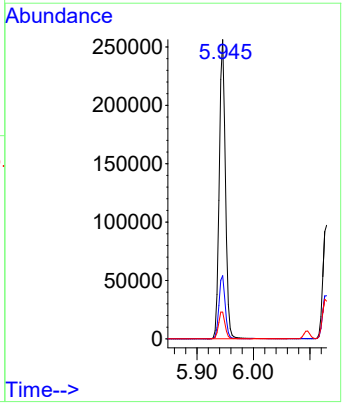


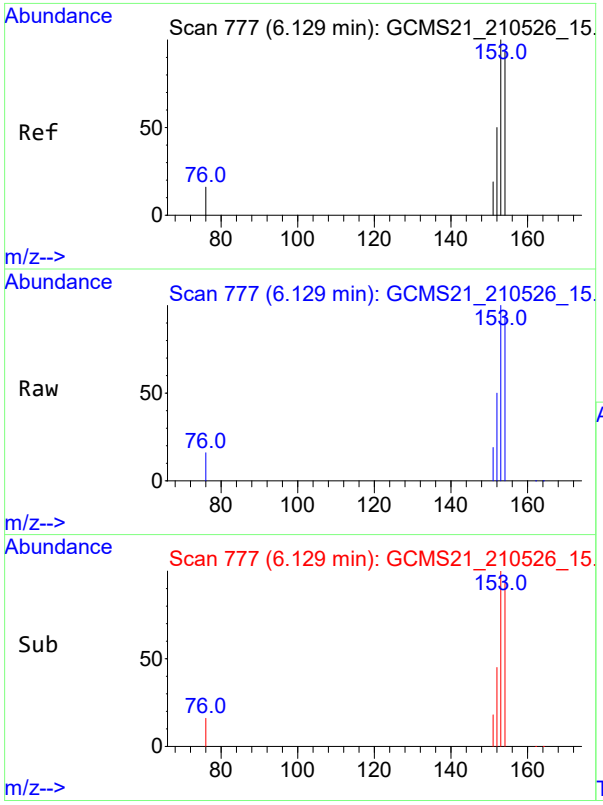


#7
Acenaphthylene
Concen: 243.69 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:152 Resp: 193273

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	51.5
76	9.5	0.0	39.5

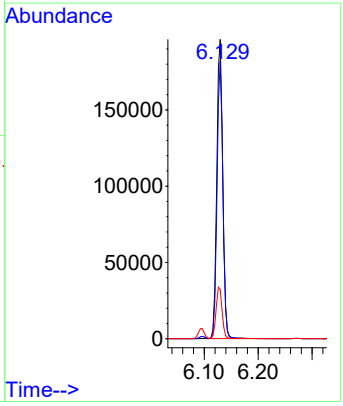


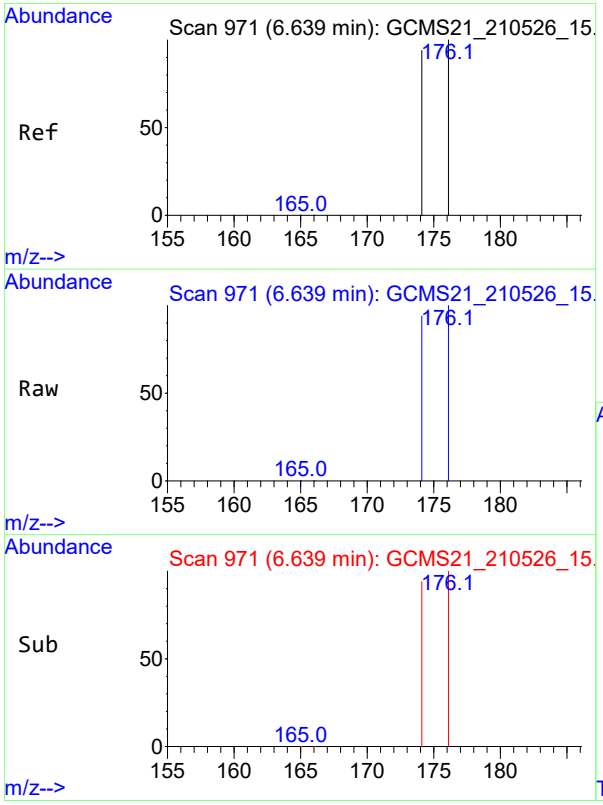


#8
Acenaphthene
Concen: 247.12 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:153 Resp: 148579

Ion	Ratio	Lower	Upper
153	100		
154	91.9	61.9	121.9
76	17.6	0.0	47.6

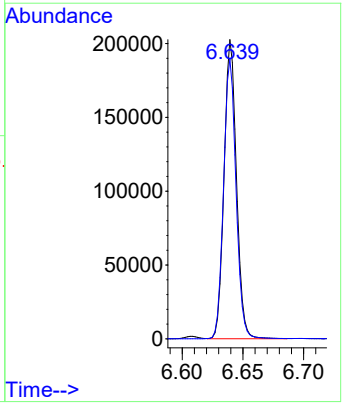


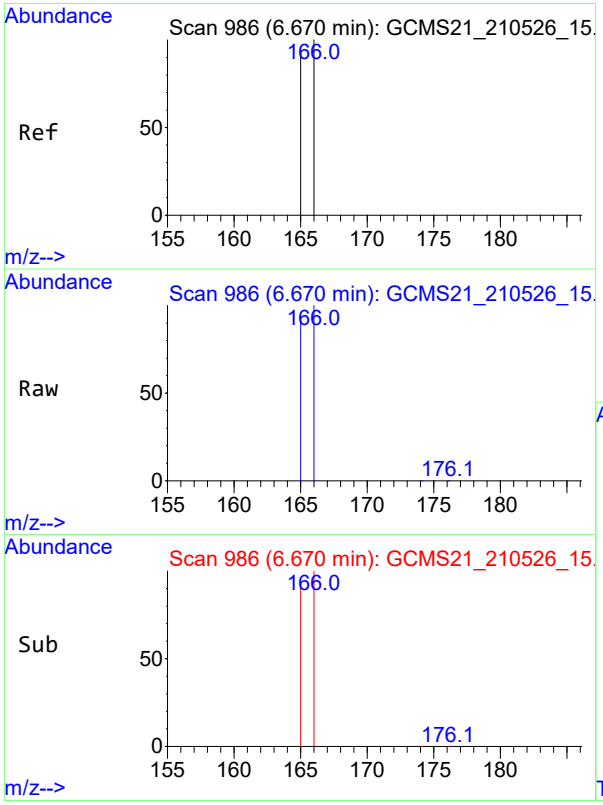


#9
Fluorene-D10
Concen: 250.91 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:176 Resp: 143740

Ion	Ratio	Lower	Upper
176	100		
174	94.3	66.0	122.6

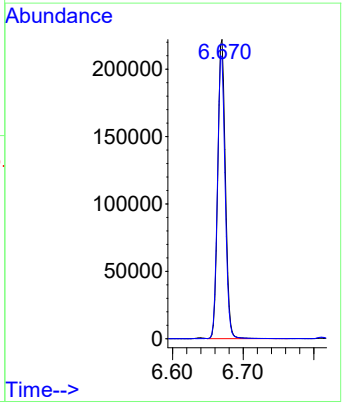


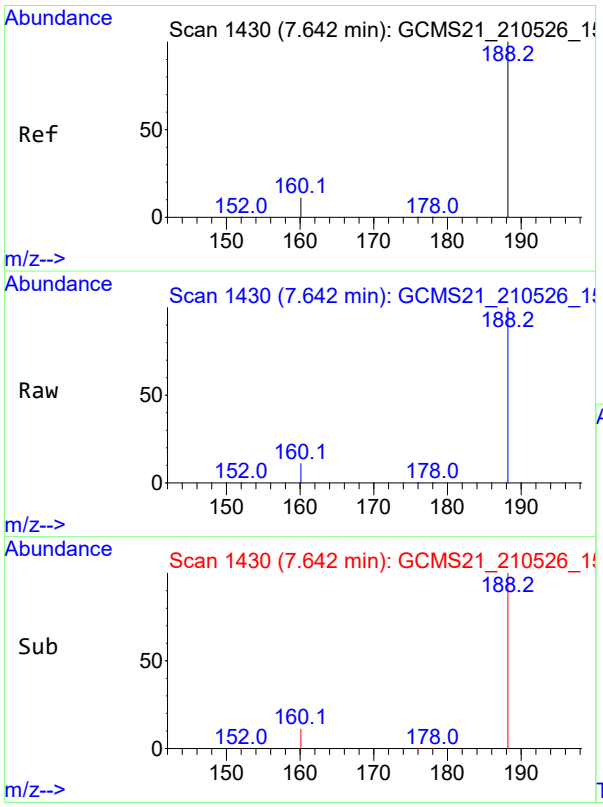


#10
Fluorene
Concen: 243.59 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:166 Resp: 166547

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.4	125.4

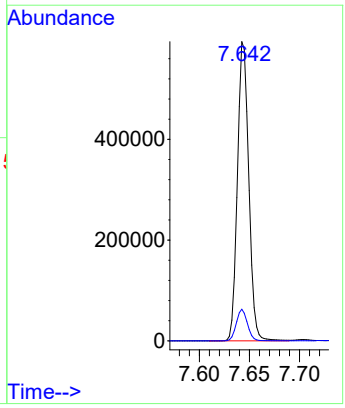


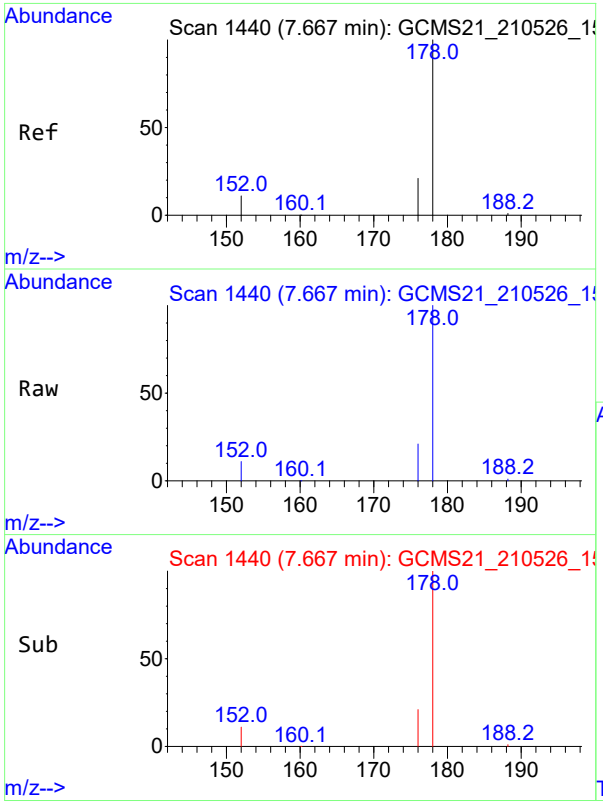


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:188 Resp: 466889

Ion	Ratio	Lower	Upper
188	100		
160	10.3	0.0	40.3

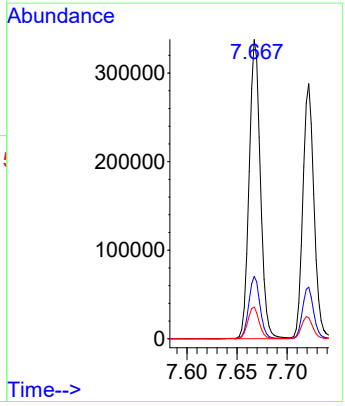


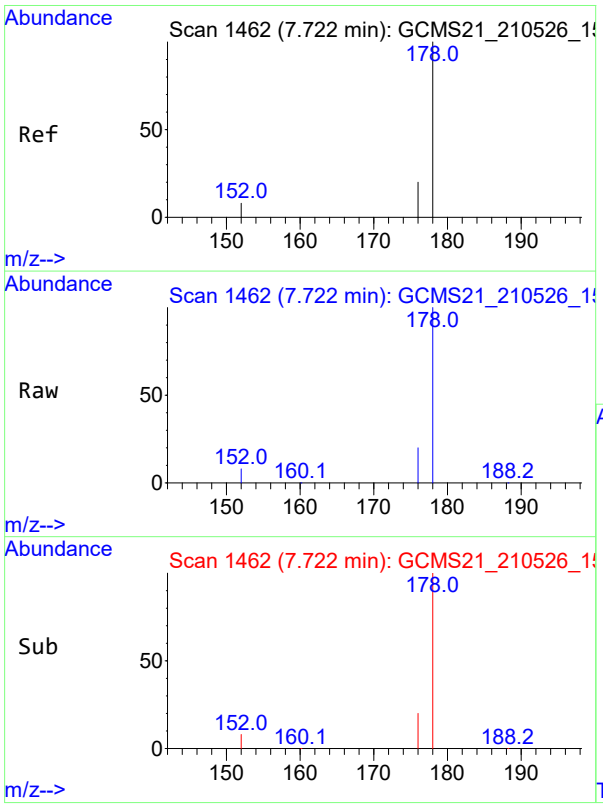


#12
Phenanthrene
Concen: 249.02 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:178 Resp: 262798

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	10.7	0.0	40.7

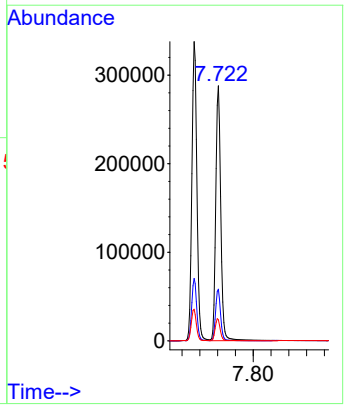


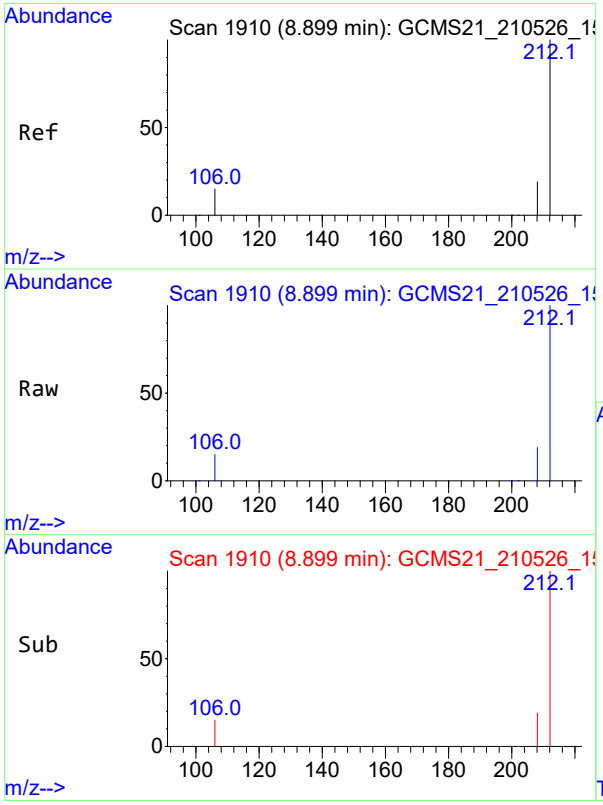


#13
Anthracene
Concen: 229.47 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:178 Resp: 225949

Ion	Ratio	Lower	Upper
178	100		
176	20.2	0.0	50.2
152	8.7	0.0	38.7

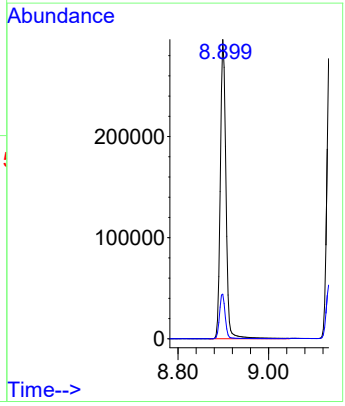


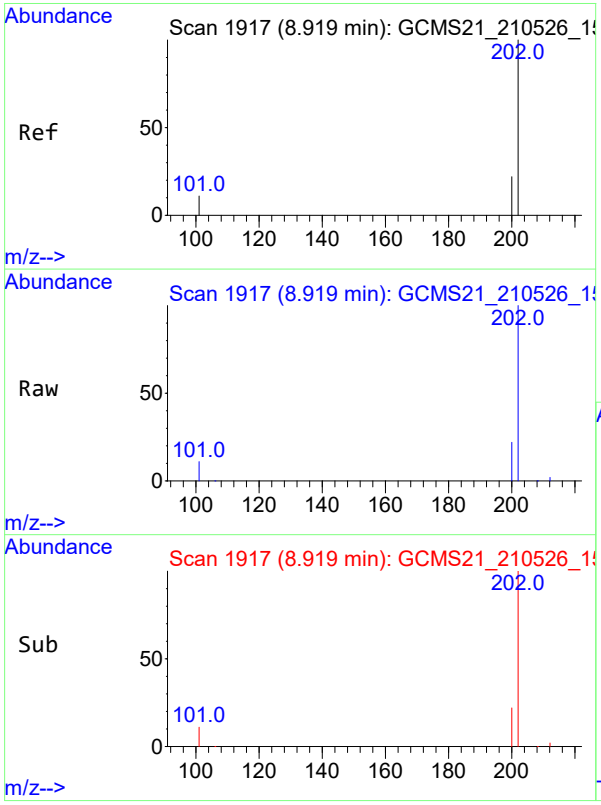


#14
Fluoranthene-D10
Concen: 243.76 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:212 Resp: 254257

Ion	Ratio	Lower	Upper
212	100		
106	15.1	10.6	19.6

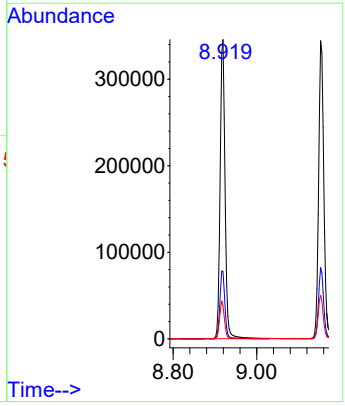


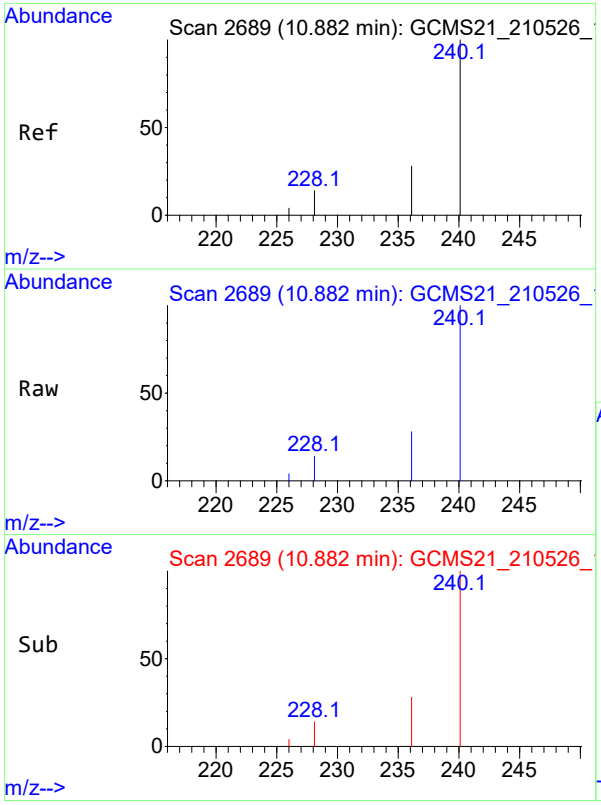


#15
Fluoranthene
Concen: 239.72 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:202 Resp: 283240

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.4	0.0	42.4

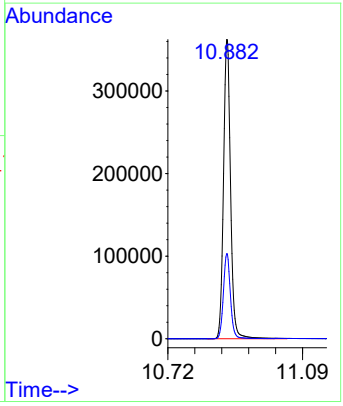


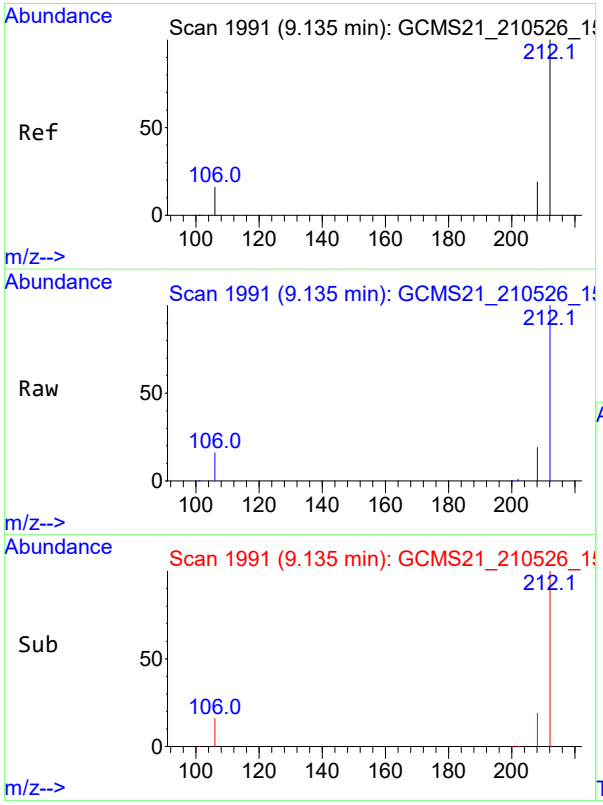


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:240 Resp: 474134

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

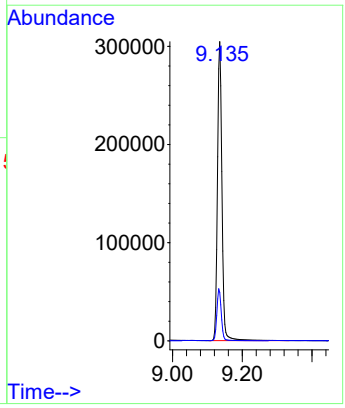


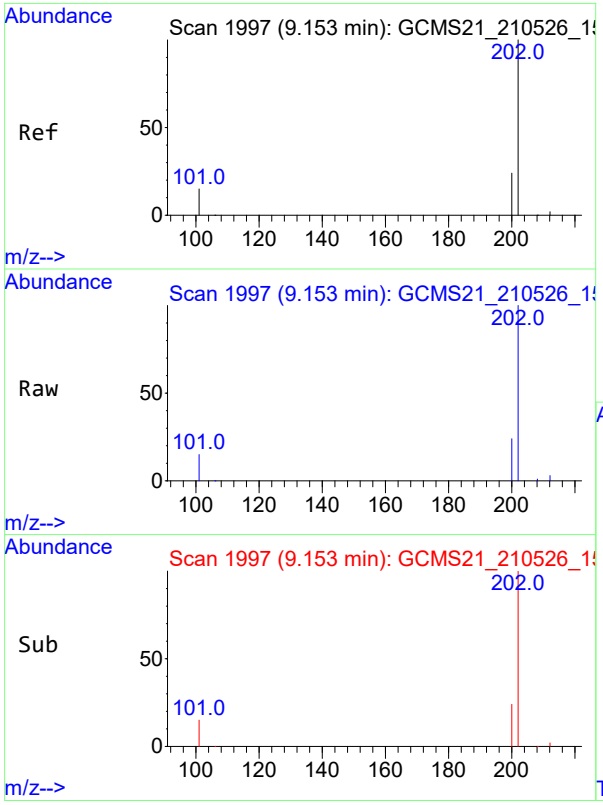


#17
Pyrene-D10
Concen: 250.16 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:212 Resp: 270546

Ion	Ratio	Lower	Upper
212	100		
106	17.4	12.2	22.6

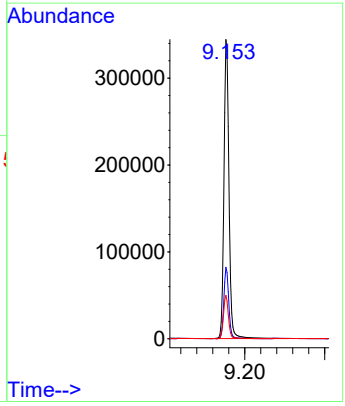


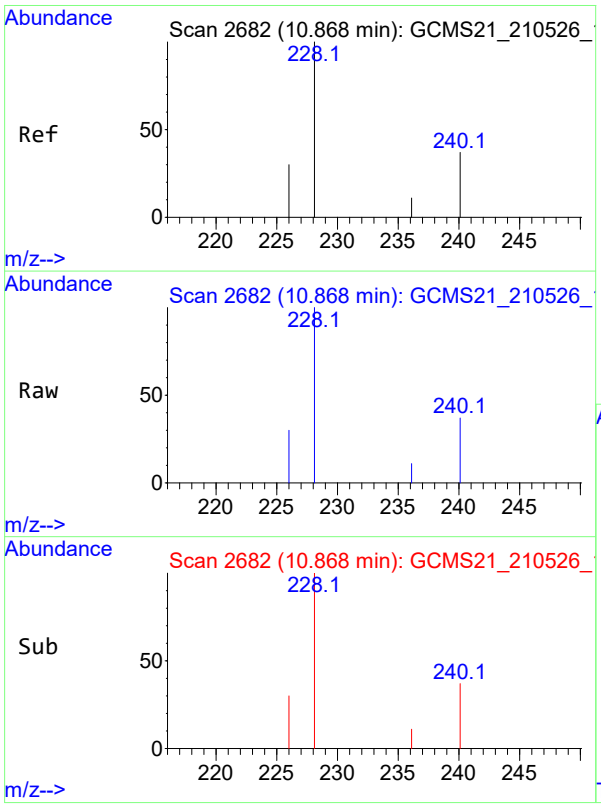


#18
Pyrene
Concen: 247.91 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:202 Resp: 298881

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.6
101	14.4	0.0	44.4

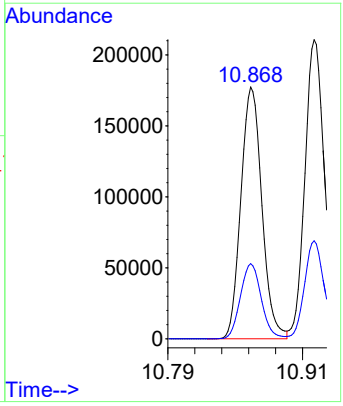


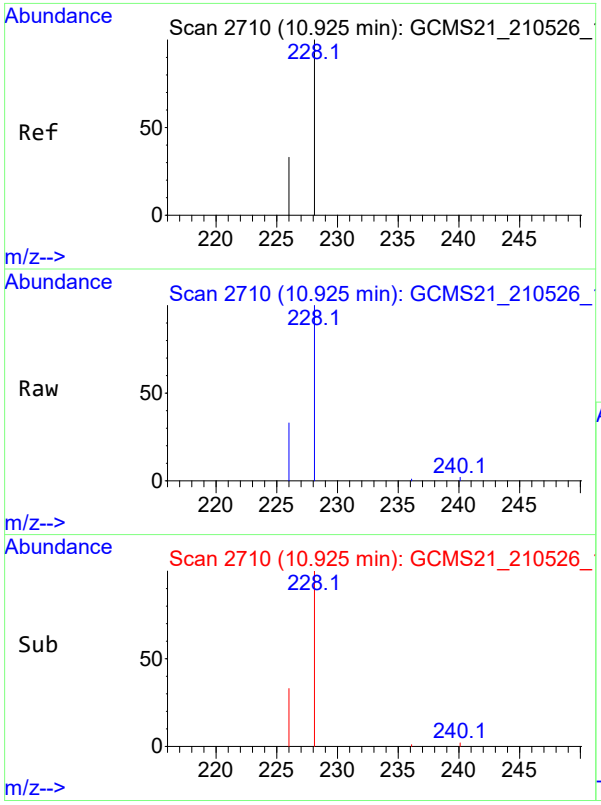


#19
Benzo(a)anthracene
Concen: 244.43 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:228 Resp: 233203

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6

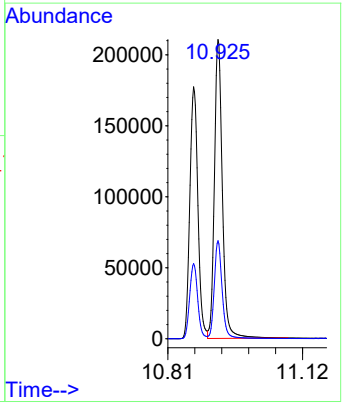


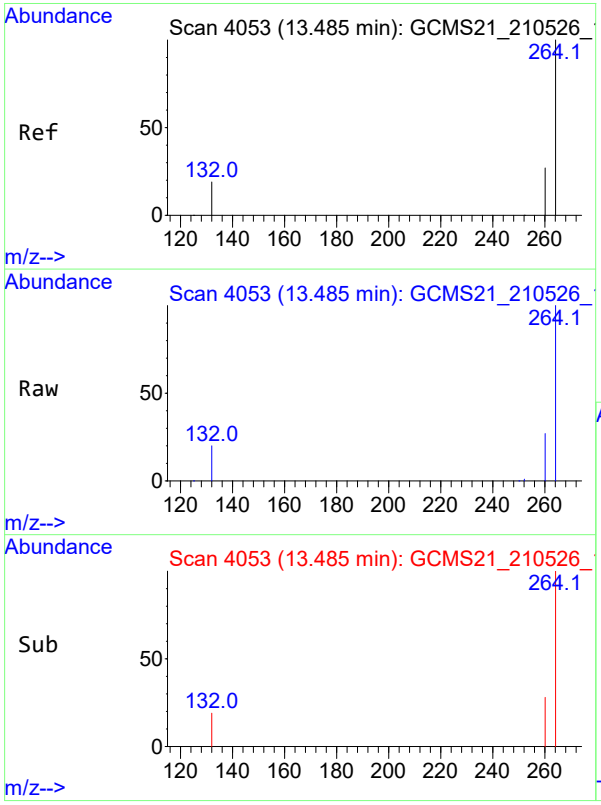


#20
Chrysene
Concen: 249.38 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:228 Resp: 273126

Ion	Ratio	Lower	Upper
228	100		
226	32.5	2.5	62.5

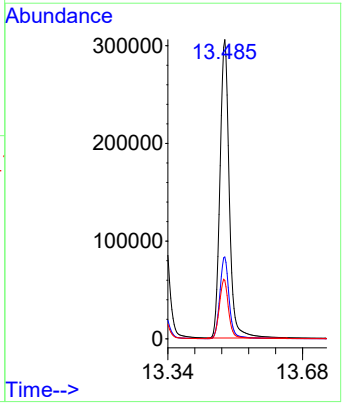


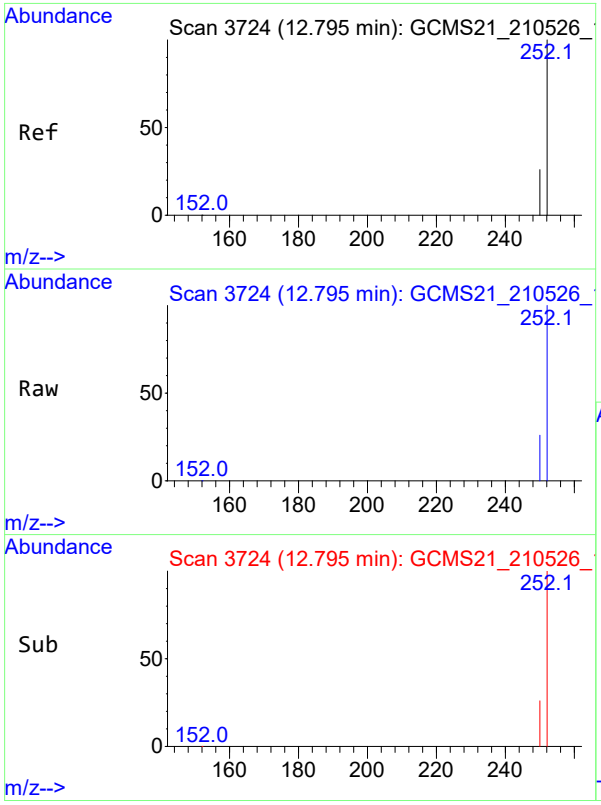


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:264 Resp: 500118

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.5
132	19.9	0.0	49.9

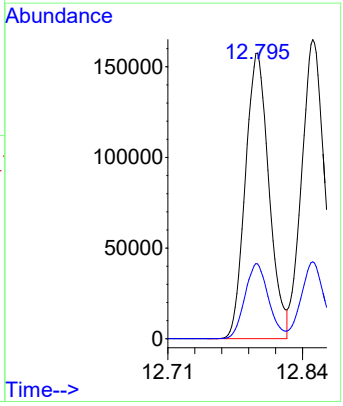


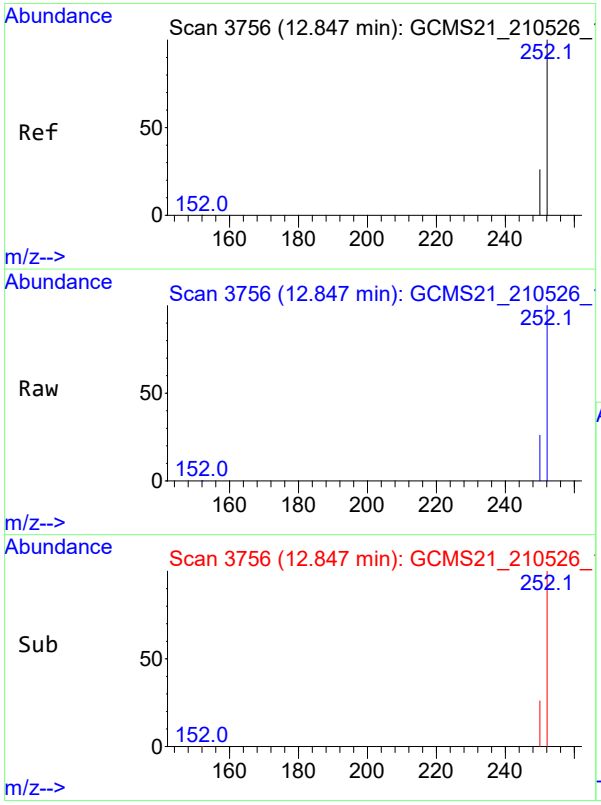


#22
Benzo(b)fluoranthene
Concen: 247.41 ng/mL
RT: 12.795 min Scan# 3724
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 243628

Ion	Ratio	Lower	Upper
252	100		
250	26.2	0.0	56.2

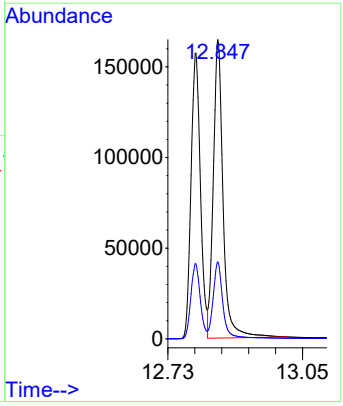


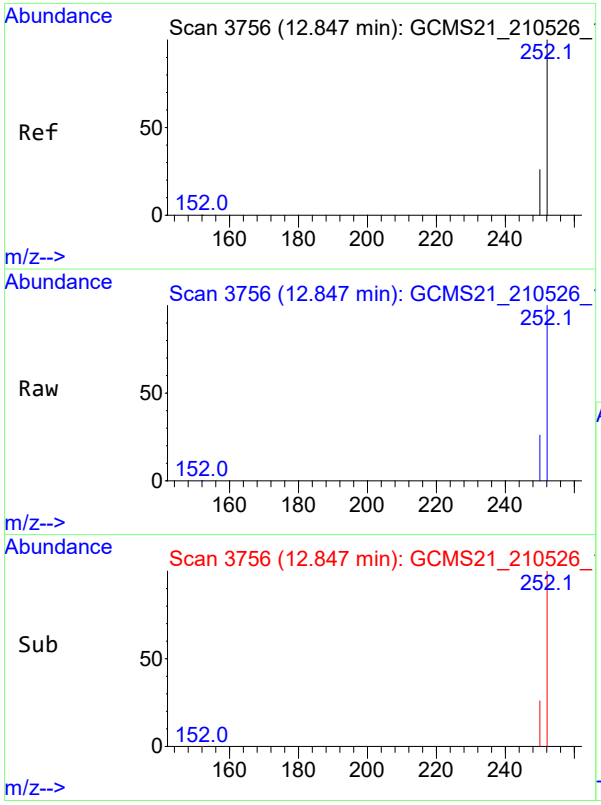


#23
Benzo(k)fluoranthene
Concen: 242.31 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 265812

Ion	Ratio	Lower	Upper
252	100		
250	25.6	0.0	55.4

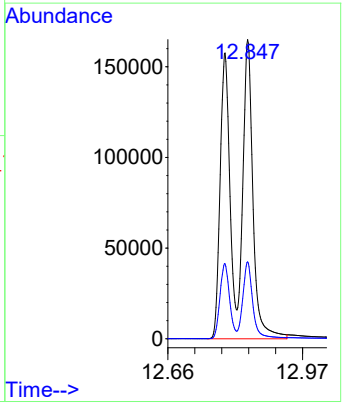


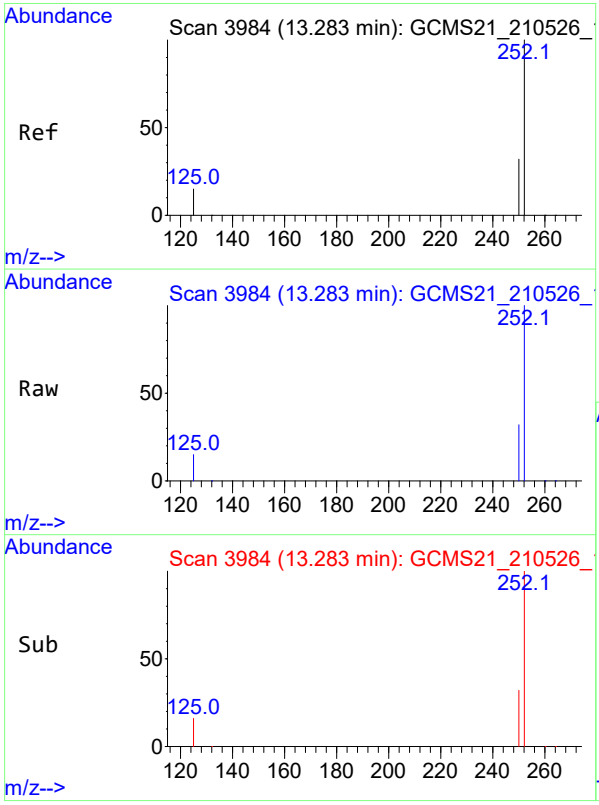


#24
benzo(b+k)fluoranthene (sum)
Concen: 487.43 ng/mL m
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 510612

Ion	Ratio	Lower	Upper
252	100		
250	25.7	0.0	56.3

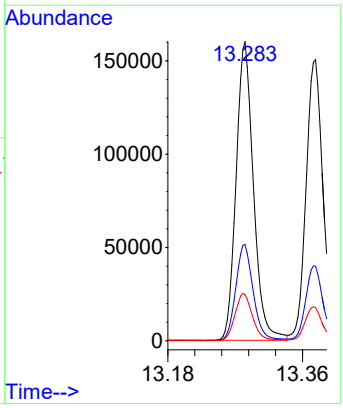


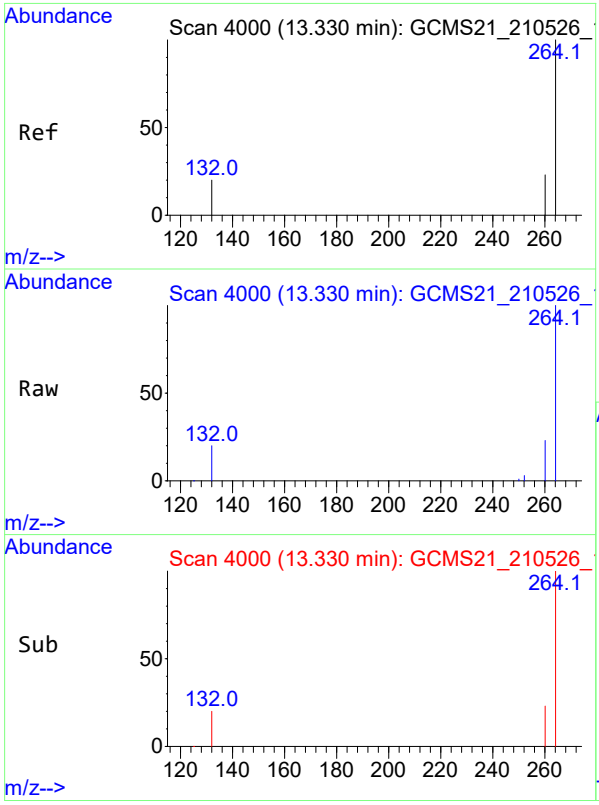


#25
Benzo(e)pyrene
Concen: 251.27 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 255168

Ion	Ratio	Lower	Upper
252	100		
250	32.4	2.4	62.4
125	16.0	0.0	46.0

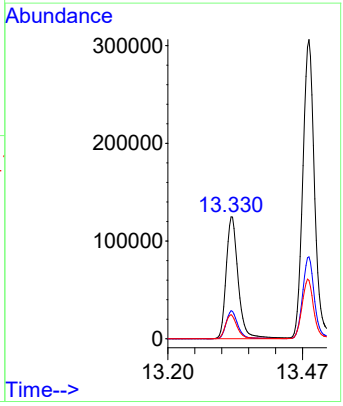


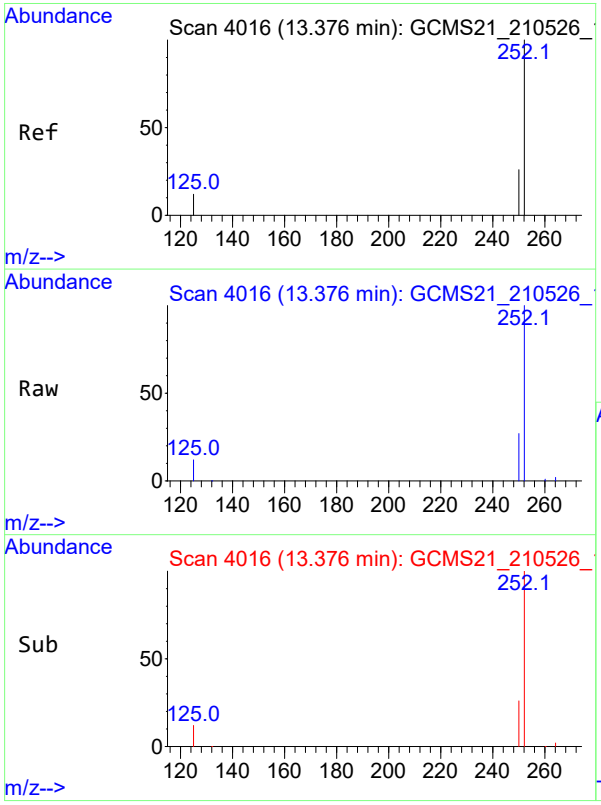


#26
Benzo(a)pyrene-D12
Concen: 240.12 ng/mL
RT: 13.330 min Scan# 4000
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:264 Resp: 206884

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	52.7
132	19.5	0.0	49.5

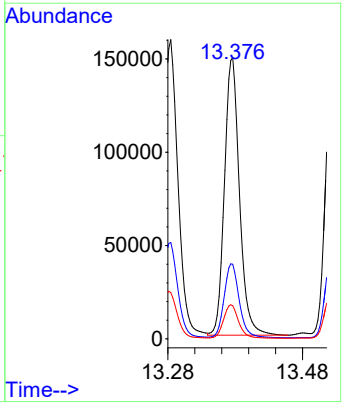


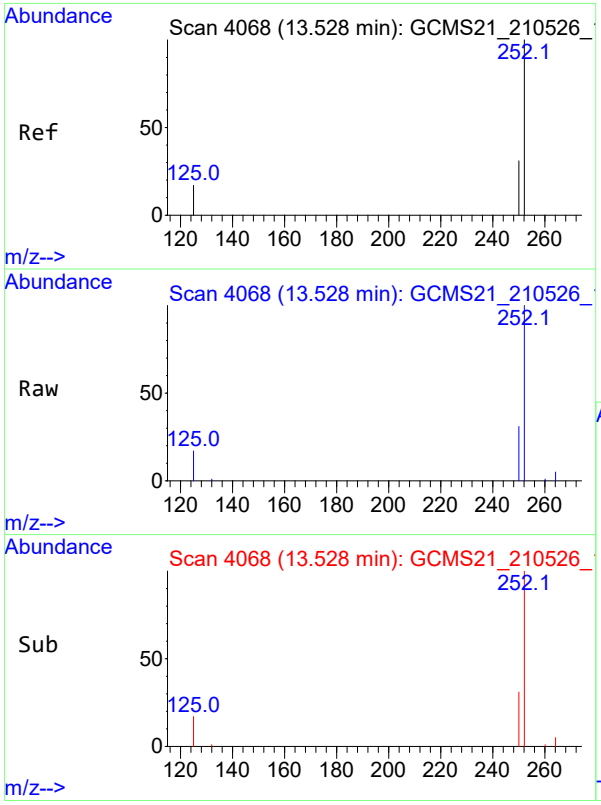


#27
Benzo(a)pyrene
Concen: 237.77 ng/mL
RT: 13.376 min Scan# 4016
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 233919

Ion	Ratio	Lower	Upper
252	100		
250	27.2	0.0	57.2
125	12.3	0.0	42.3

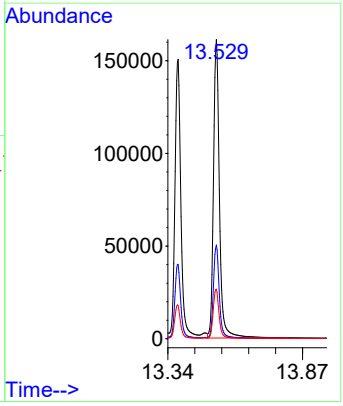


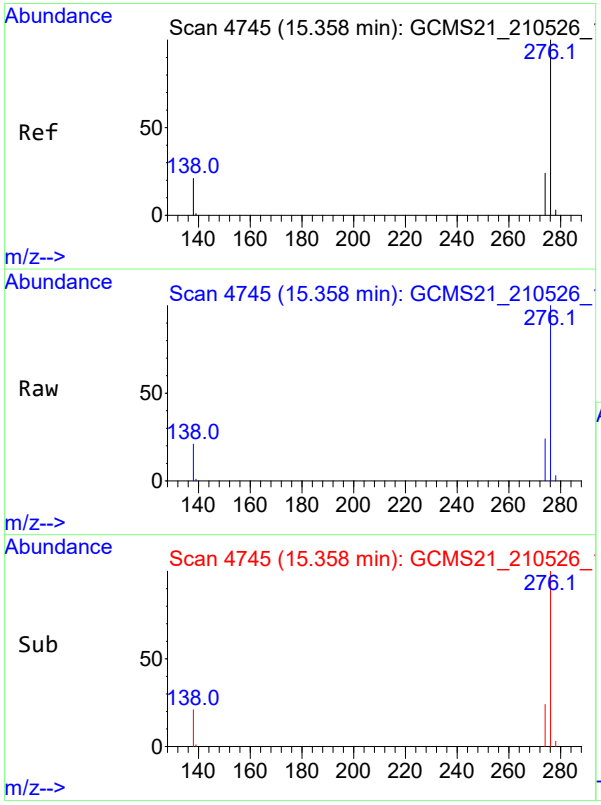


#28
Perylene
Concen: 249.51 ng/mL
RT: 13.528 min Scan# 4068
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 266371

Ion	Ratio	Lower	Upper
252	100		
250	31.1	1.1	61.1
125	16.2	0.0	46.2

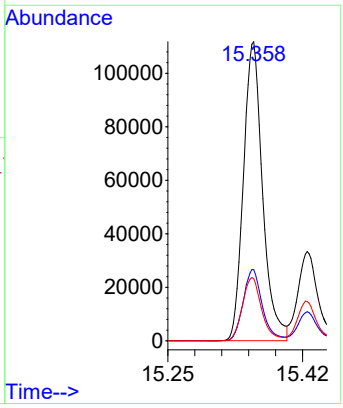


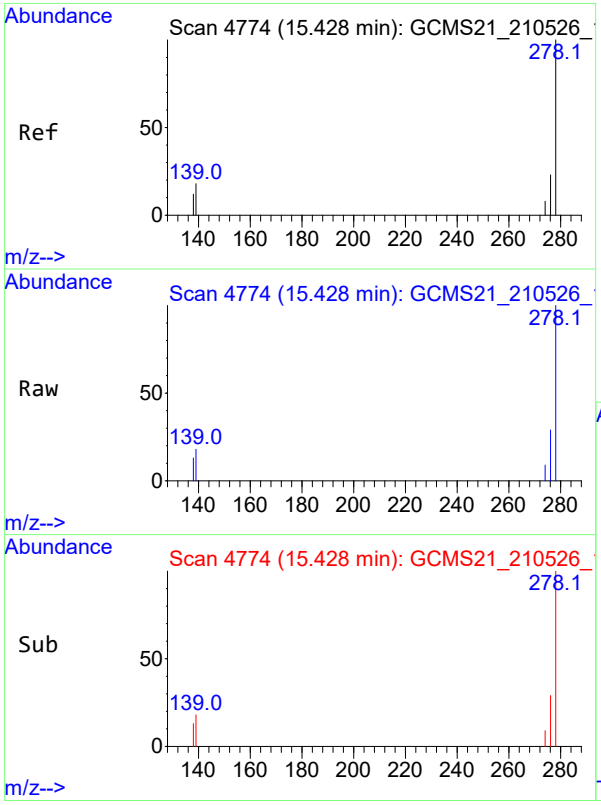


#29
Indeno(1,2,3-cd)pyrene
Concen: 229.28 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:276 Resp: 193882

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.7
138	21.1	0.0	51.1

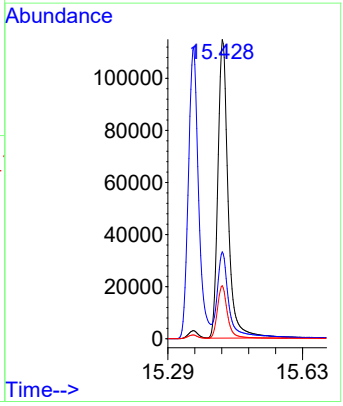


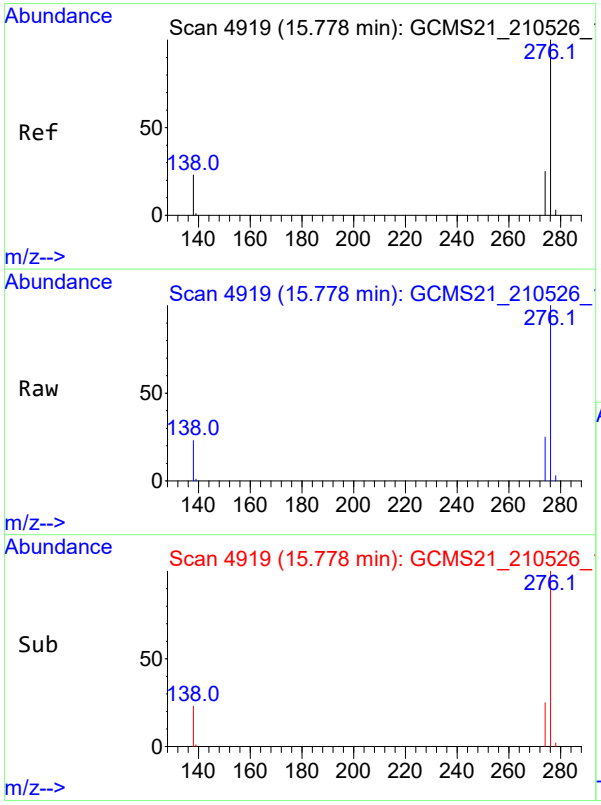


#30
Dibenz(a,h)anthracene
Concen: 224.18 ng/mL
RT: 15.428 min Scan# 4774
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:278 Resp: 201596

Ion	Ratio	Lower	Upper
278	100		
276	32.2	2.7	62.7
139	17.5	0.0	47.4

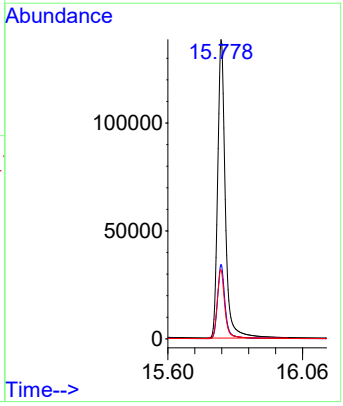




#31
Benzo(g,h,i)perylene
Concen: 238.37 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:276 Resp: 249853

Ion	Ratio	Lower	Upper
276	100		
274	24.7	0.0	54.7
138	22.8	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_15.D
Acq On : 26 May 2021 16:47
Operator : MN GCMS21
Sample : CAL7_250ng/mL
Misc : LIMS 21B0107
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 02 11:55:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

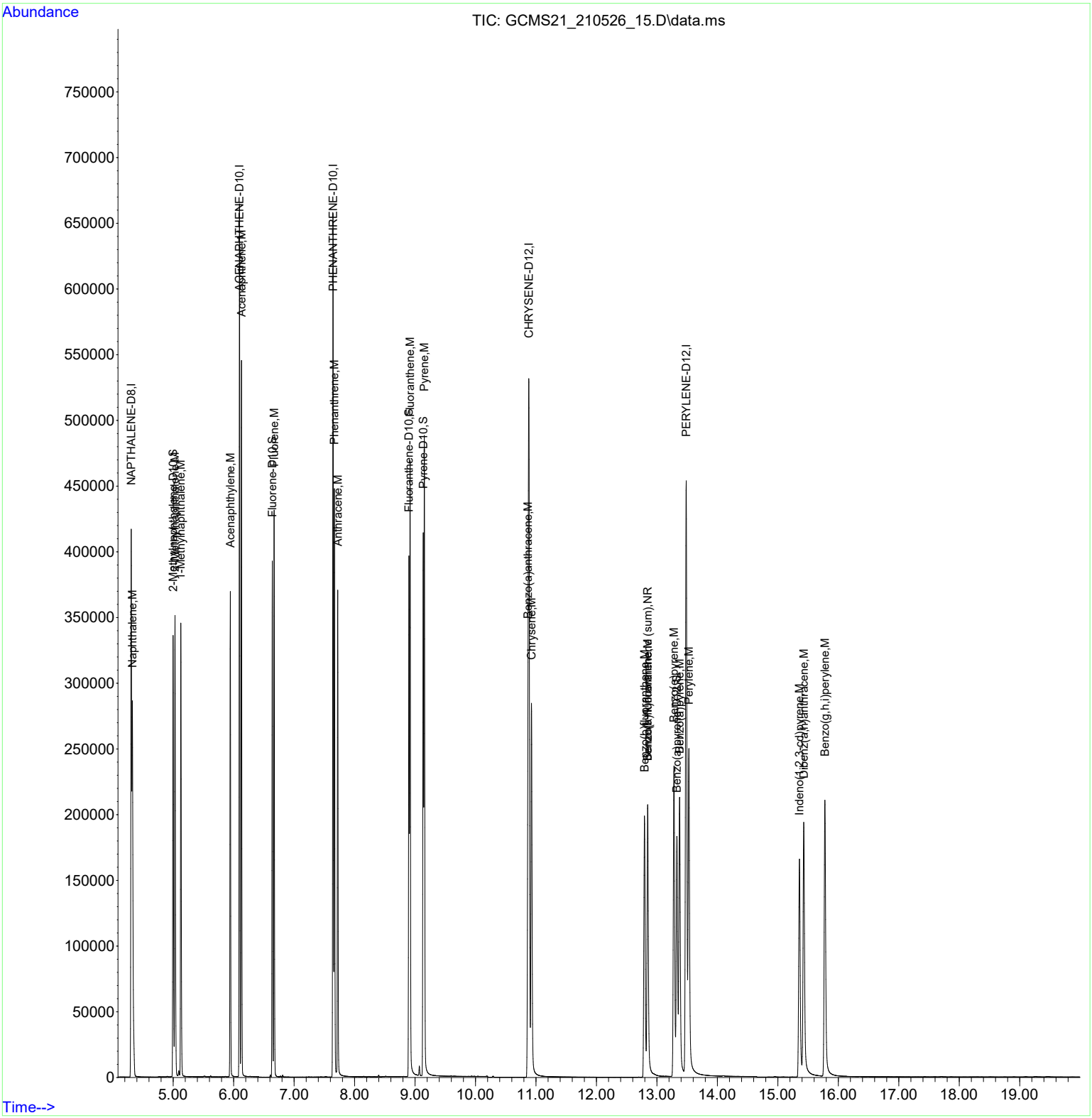
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.306	136	433303	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	246141	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	466889	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	474134	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	500118	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	138450	250.58	ng/mL	0.00
9) Fluorene-D10	6.639	176	143740	250.91	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	254257	243.76	ng/mL	0.00
17) Pyrene-D10	9.135	212	270546	250.16	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.330	264	206884	240.12	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	206922	248.80	ng/mL	100
4) 2-Methylnaphthalene	5.030	142	143585	243.50	ng/mL	100
5) 1-Methylnaphthalene	5.126	142	129514	244.04	ng/mL	100
7) Acenaphthylene	5.945	152	193273	243.69	ng/mL	100
8) Acenaphthene	6.129	153	148579	247.12	ng/mL	100
10) Fluorene	6.670	166	166547	243.59	ng/mL	100
12) Phenanthrene	7.667	178	262798	249.02	ng/mL	100
13) Anthracene	7.722	178	225949	229.47	ng/mL	100
15) Fluoranthene	8.919	202	283240	239.72	ng/mL	100
18) Pyrene	9.153	202	298881	247.91	ng/mL	100
19) Benzo(a)anthracene	10.868	228	233203	244.43	ng/mL	100
20) Chrysene	10.925	228	273126	249.38	ng/mL	100
22) Benzo(b)fluoranthene	12.795	252	243628	247.41	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	265812	242.31	ng/mL	100
24) benzo(b+k)fluoranthene...	12.847	252	268057	255.89	ng/mL	98
25) Benzo(e)pyrene	13.283	252	255168	251.27	ng/mL	100
27) Benzo(a)pyrene	13.376	252	233919	237.77	ng/mL	100
28) Perylene	13.528	252	266371	249.51	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.358	276	193882	229.28	ng/mL	100
30) Dibenz(a,h)anthracene	15.428	278	201596	224.18	ng/mL	99
31) Benzo(g,h,i)perylene	15.778	276	249853	238.37	ng/mL	100

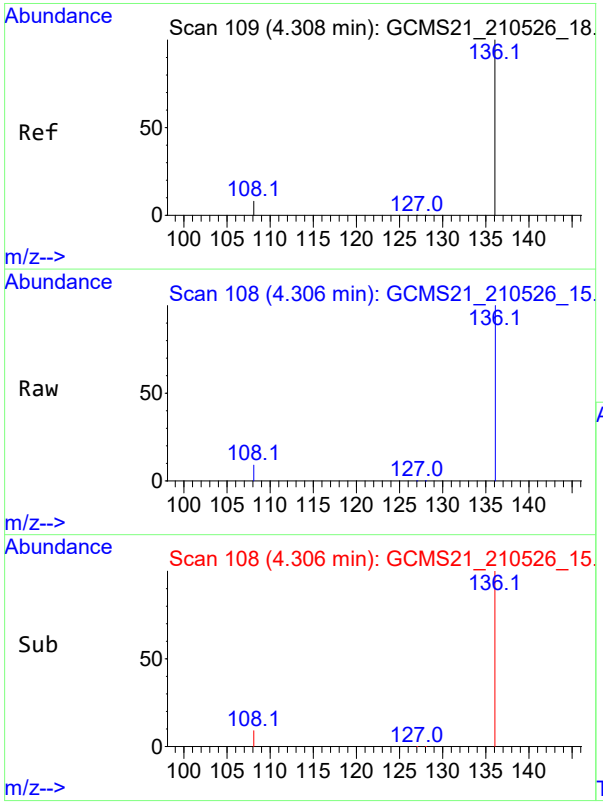
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_15.D
Acq On : 26 May 2021 16:47
Operator : MN GCMS21
Sample : CAL7_250ng/mL
Misc : LIMS 21B0107
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 02 11:55:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

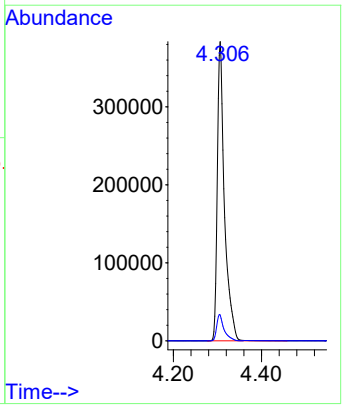


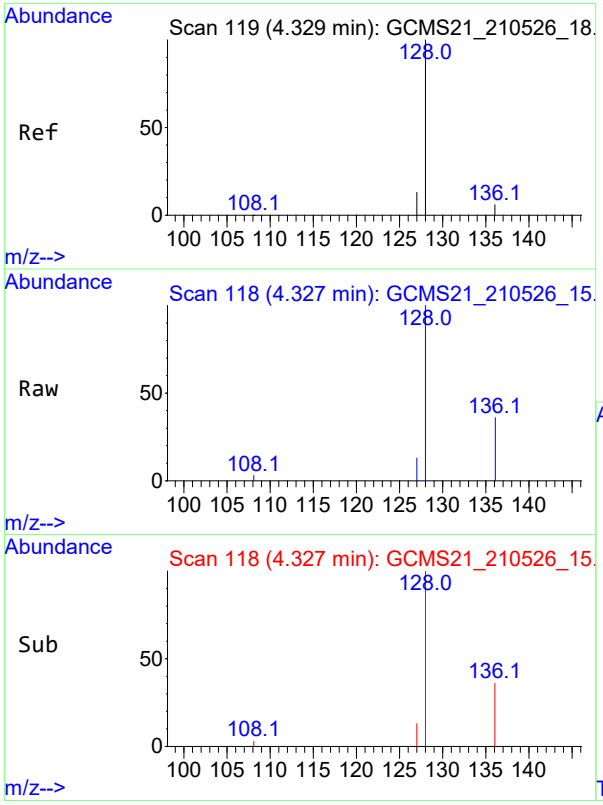


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:136 Resp: 433303

Ion	Ratio	Lower	Upper
136	100		
108	9.0	0.0	29.0

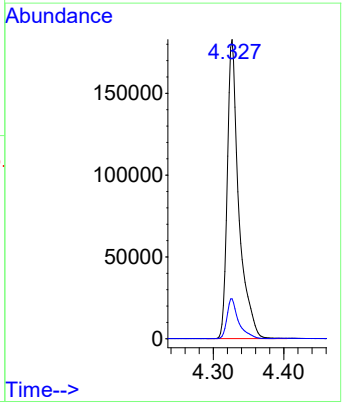


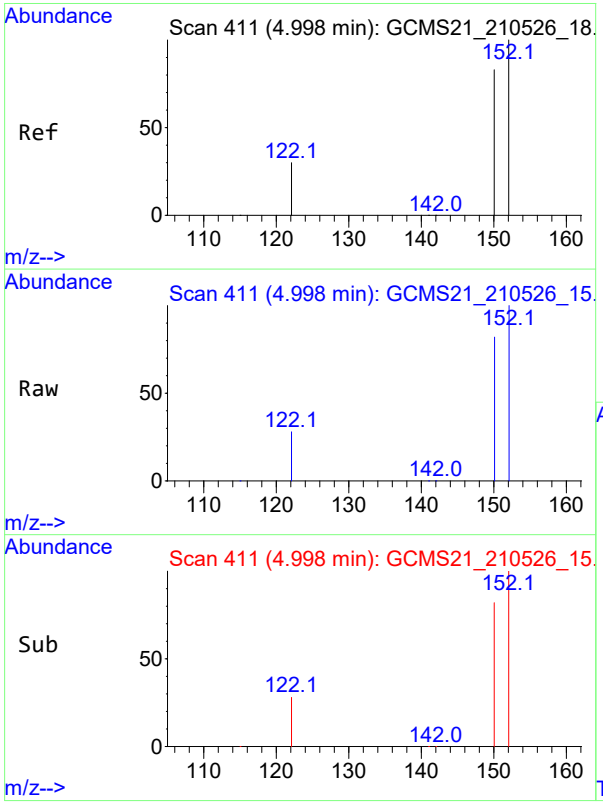


#2
Naphthalene
Concen: 248.80 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:128 Resp: 206922

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

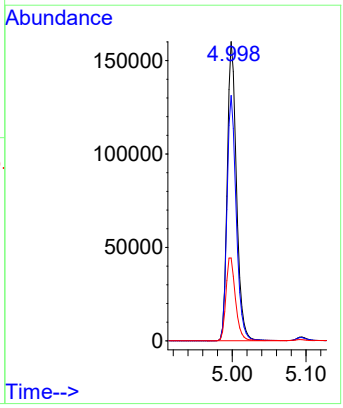


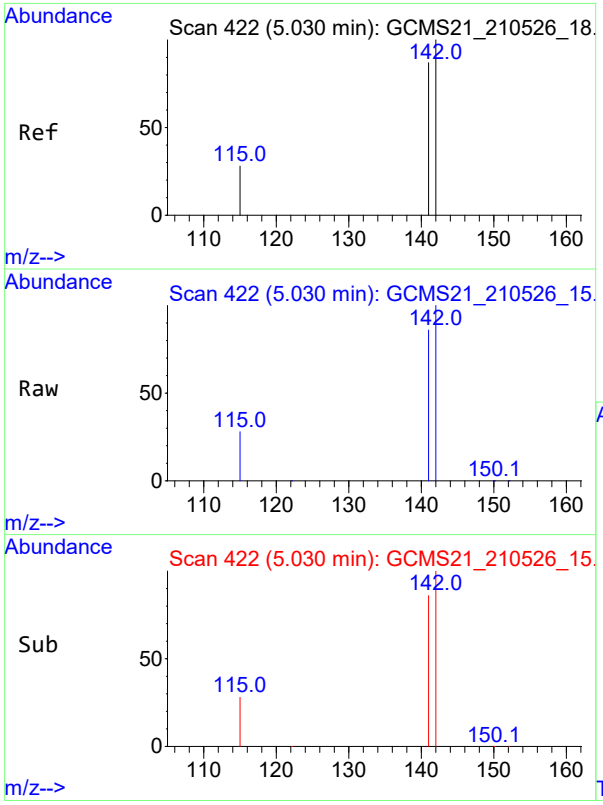


#3
2-Methylnaphthalene-D10
Concen: 250.58 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:152 Resp: 138450

Ion	Ratio	Lower	Upper
152	100		
150	82.1	57.5	106.7
122	28.7	20.1	37.3

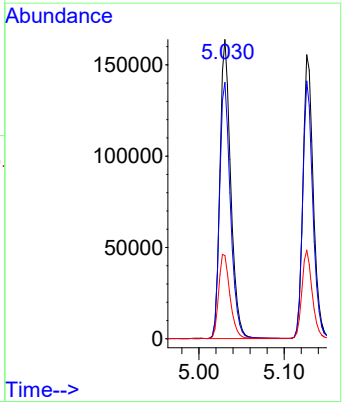


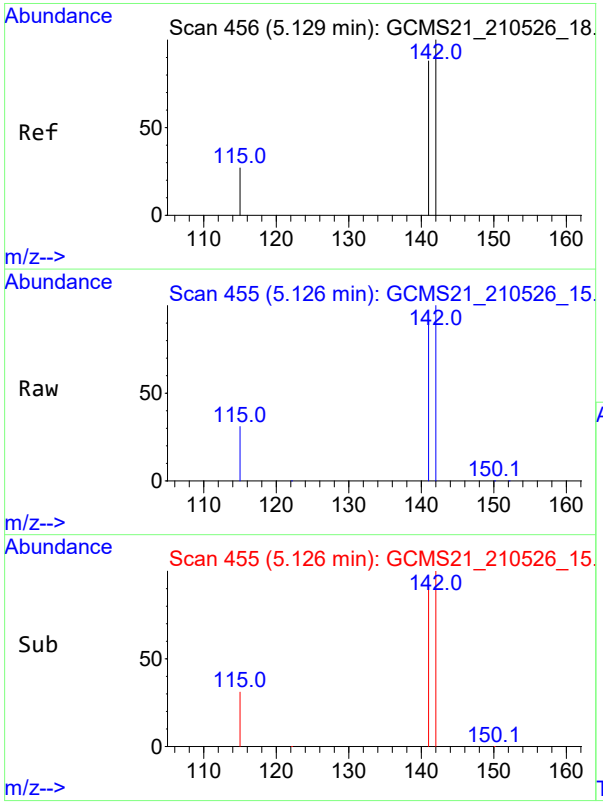


#4
2-Methylnaphthalene
Concen: 243.50 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:142 Resp: 143585

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.5	116.5
115	29.3	0.0	59.3

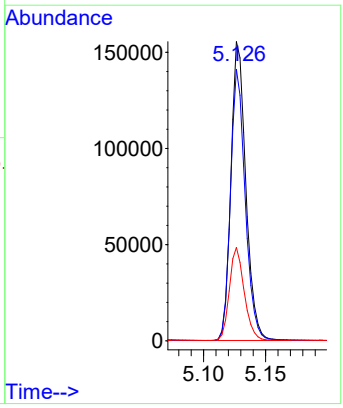


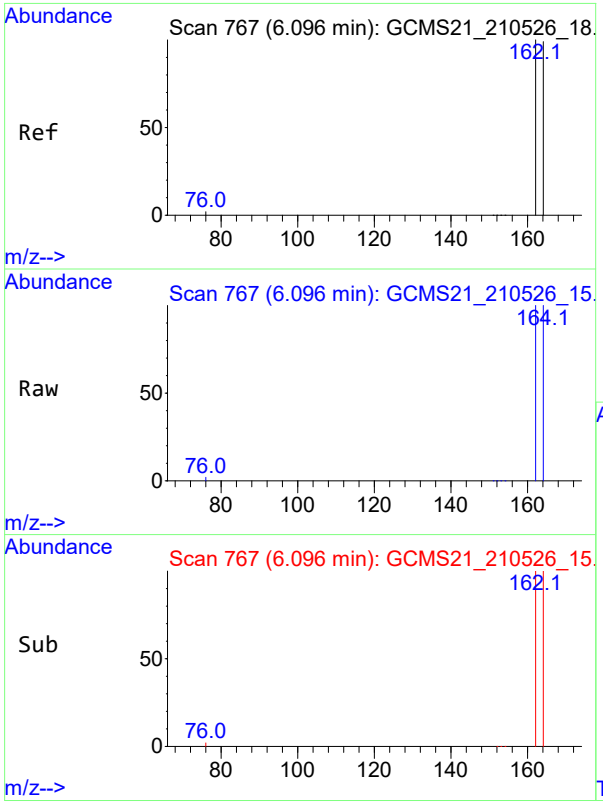


#5
1-Methylnaphthalene
Concen: 244.04 ng/mL
RT: 5.126 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:142 Resp: 129514

Ion	Ratio	Lower	Upper
142	100		
141	89.6	59.6	119.6
115	31.2	1.2	61.2

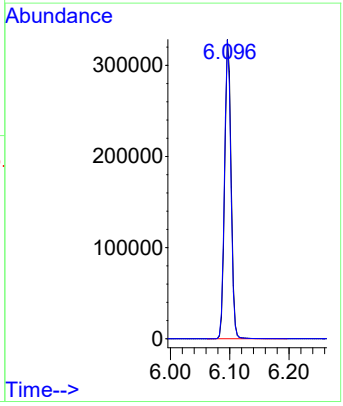


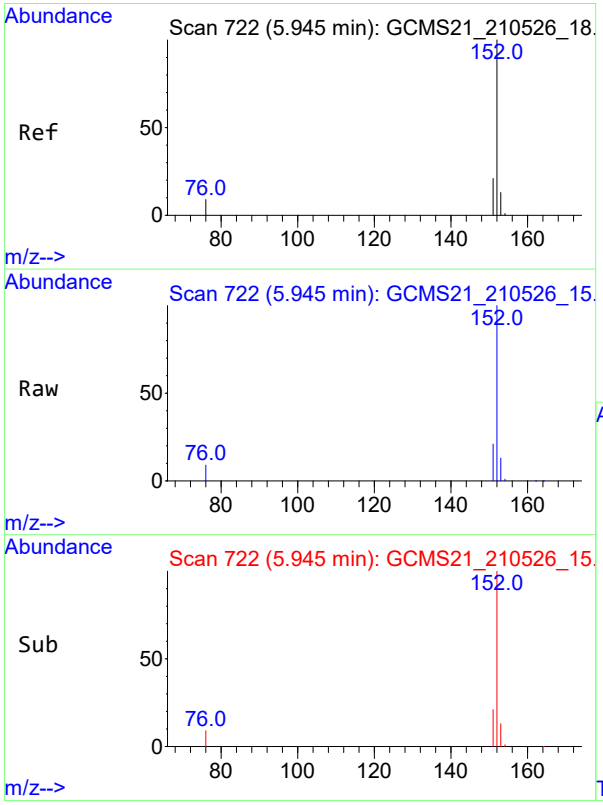


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:164 Resp: 246141

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.5	119.5

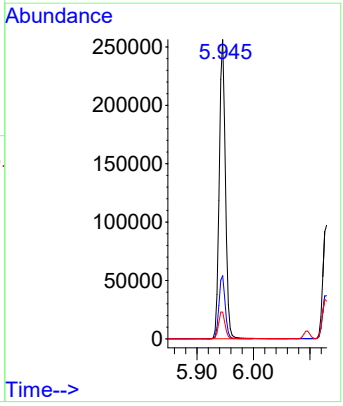


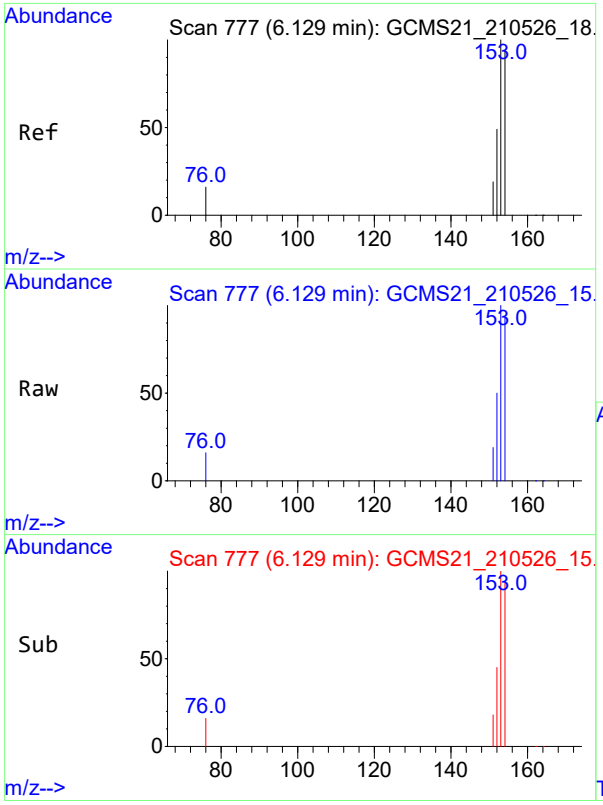


#7
Acenaphthylene
Concen: 243.69 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:152 Resp: 193273

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	51.5
76	9.5	0.0	39.5

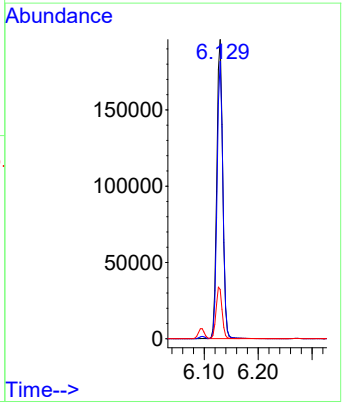


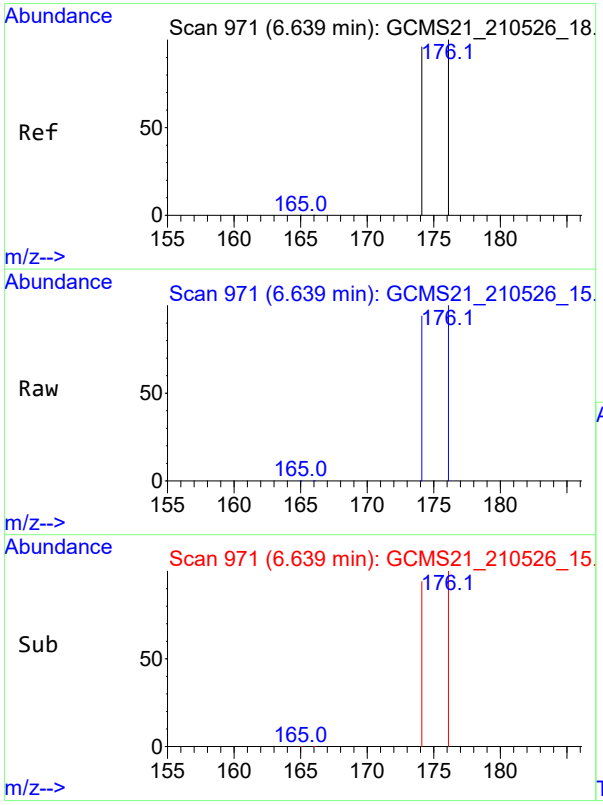


#8
Acenaphthene
Concen: 247.12 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:153 Resp: 148579

Ion	Ratio	Lower	Upper
153	100		
154	91.9	61.9	121.9
76	17.6	0.0	47.6

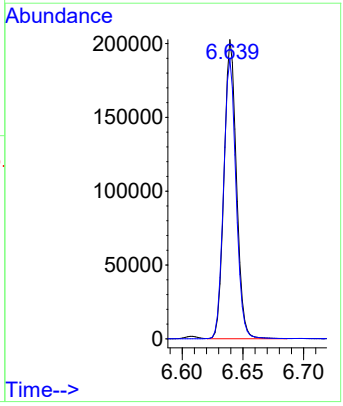


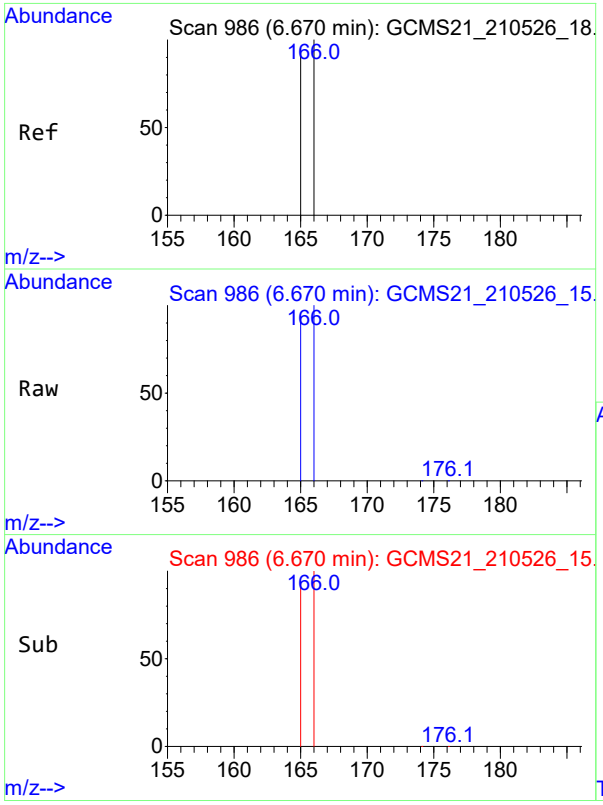


#9
Fluorene-D10
Concen: 250.91 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:176 Resp: 143740

Ion	Ratio	Lower	Upper
176	100		
174	94.3	66.0	122.6

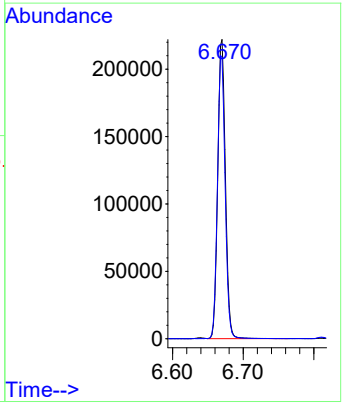


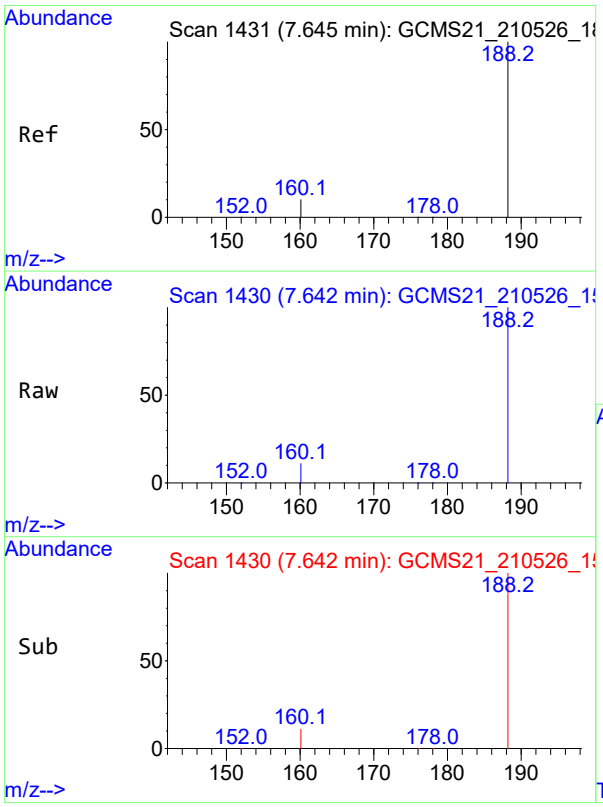


#10
Fluorene
Concen: 243.59 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:166 Resp: 166547

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.4	125.4

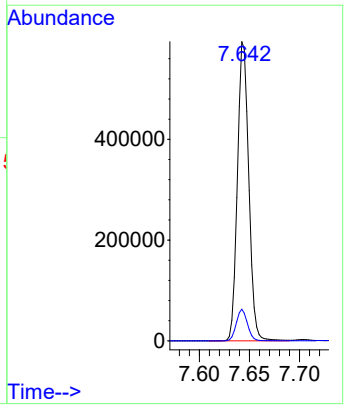


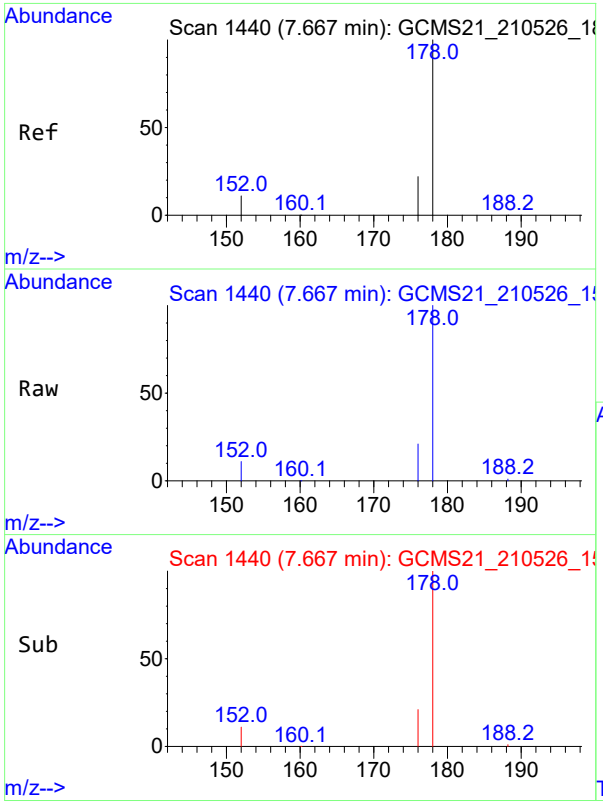


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:188 Resp: 466889

Ion	Ratio	Lower	Upper
188	100		
160	10.3	0.0	40.3

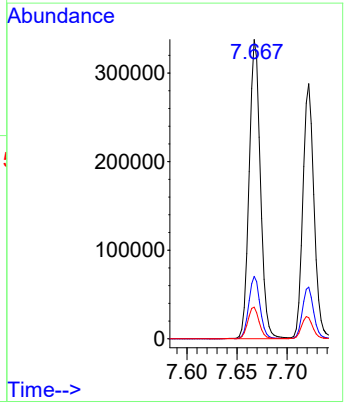


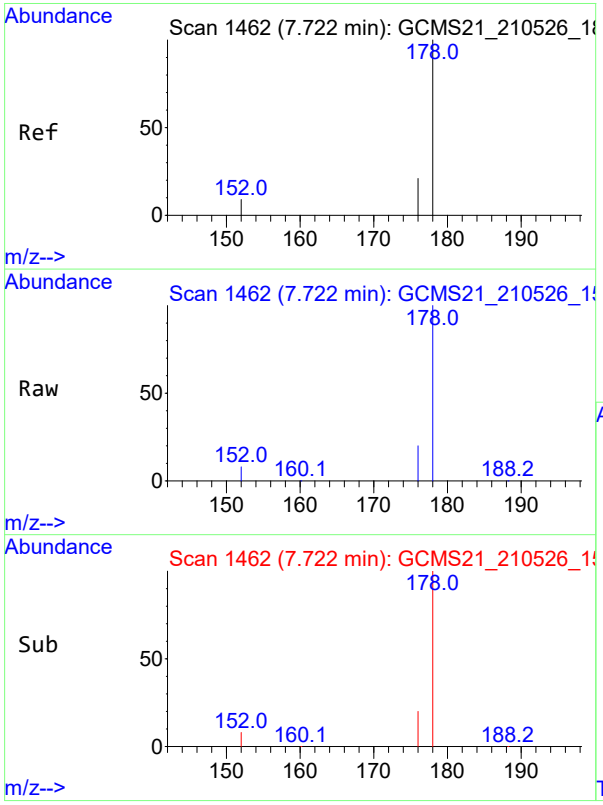


#12
Phenanthrene
Concen: 249.02 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:178 Resp: 262798

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	10.7	0.0	40.7

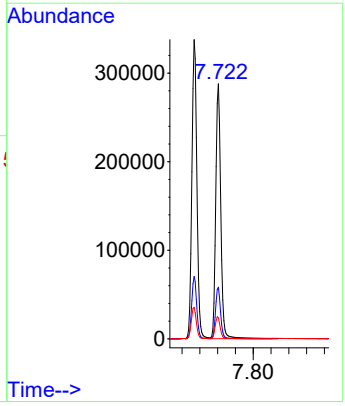


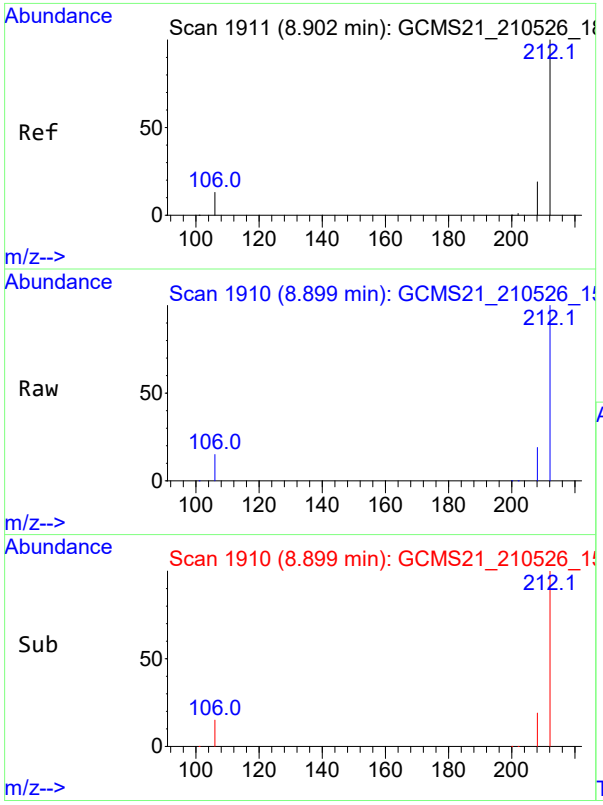


#13
Anthracene
Concen: 229.47 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:178 Resp: 225949

Ion	Ratio	Lower	Upper
178	100		
176	20.2	0.0	50.2
152	8.7	0.0	38.7

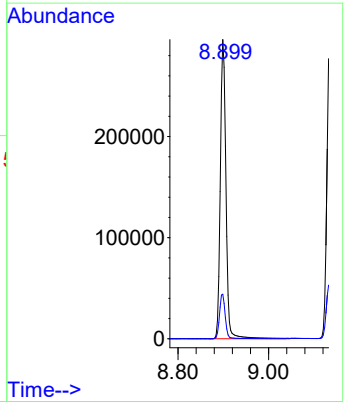


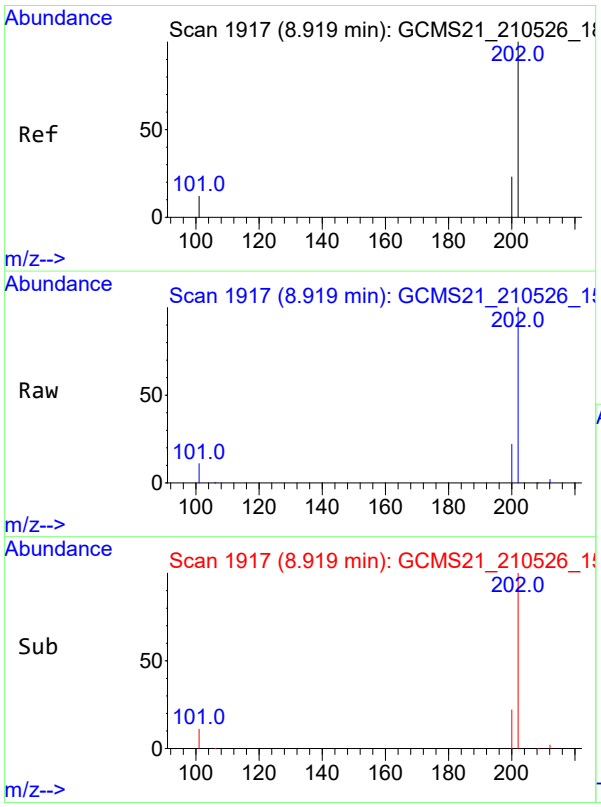


#14
Fluoranthene-D10
Concen: 243.76 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:212 Resp: 254257

Ion	Ratio	Lower	Upper
212	100		
106	15.1	10.6	19.6

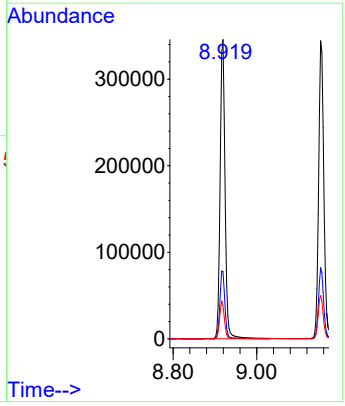


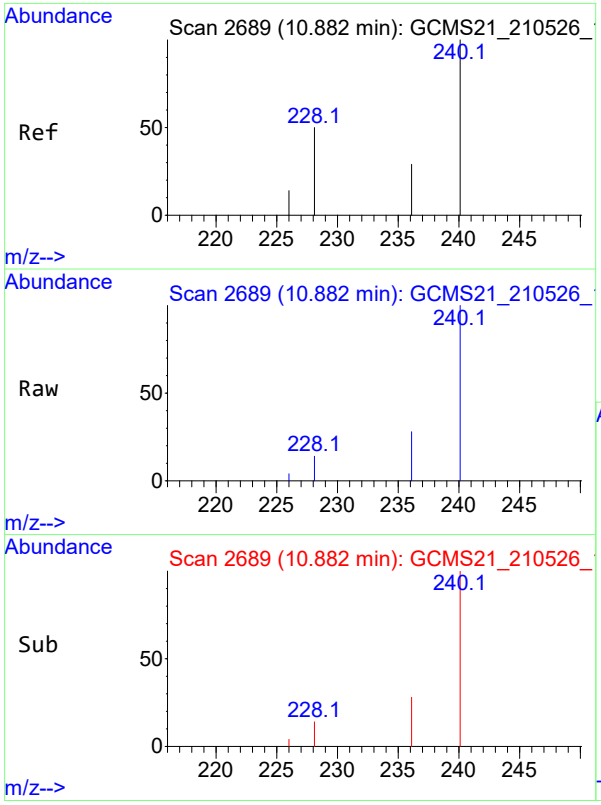


#15
Fluoranthene
Concen: 239.72 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:202 Resp: 283240

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.4	0.0	42.4

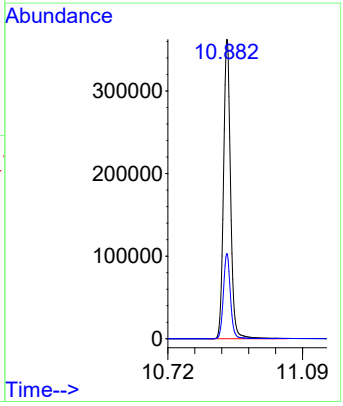


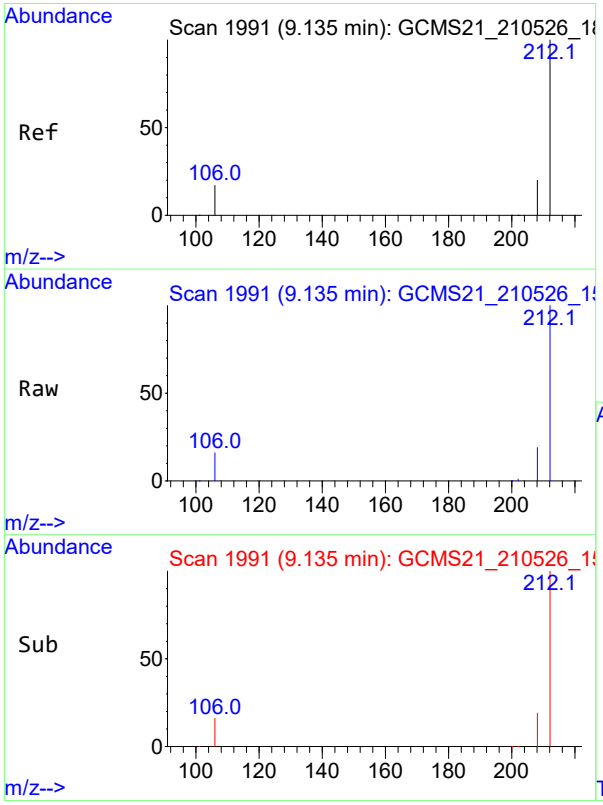


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:240 Resp: 474134

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

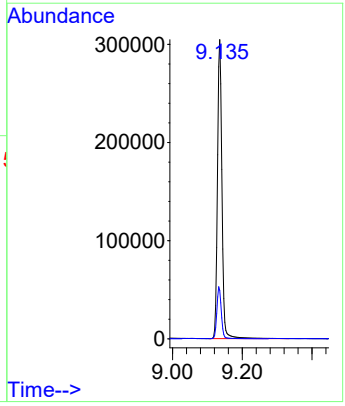


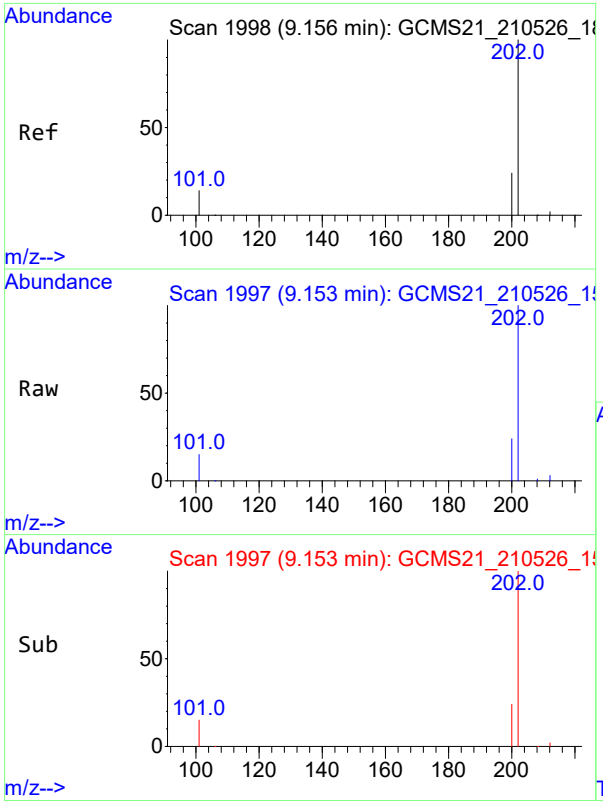


#17
Pyrene-D10
Concen: 250.16 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:212 Resp: 270546

Ion	Ratio	Lower	Upper
212	100		
106	17.4	12.2	22.6

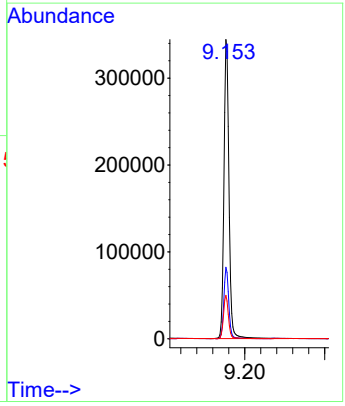


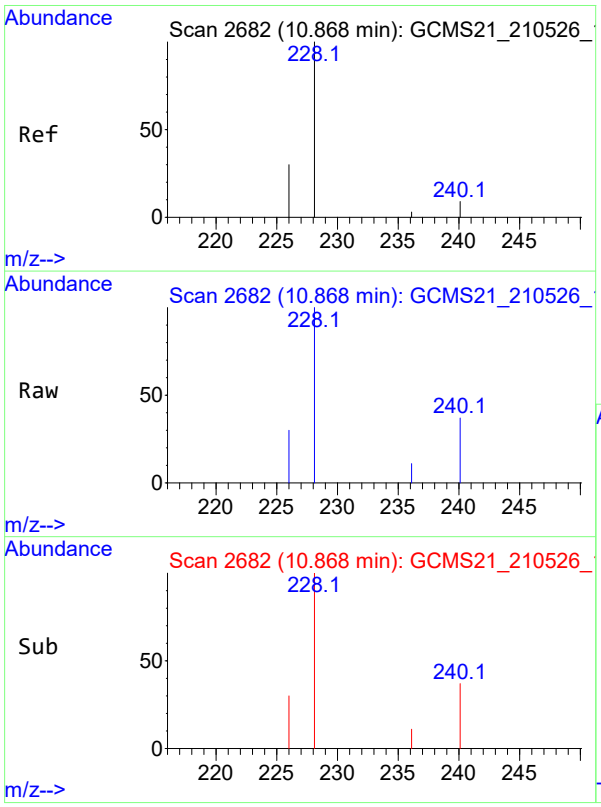


#18
Pyrene
Concen: 247.91 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:202 Resp: 298881

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.6
101	14.4	0.0	44.4

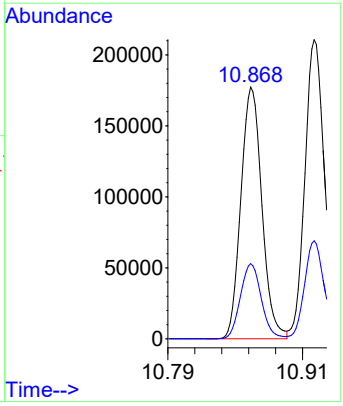


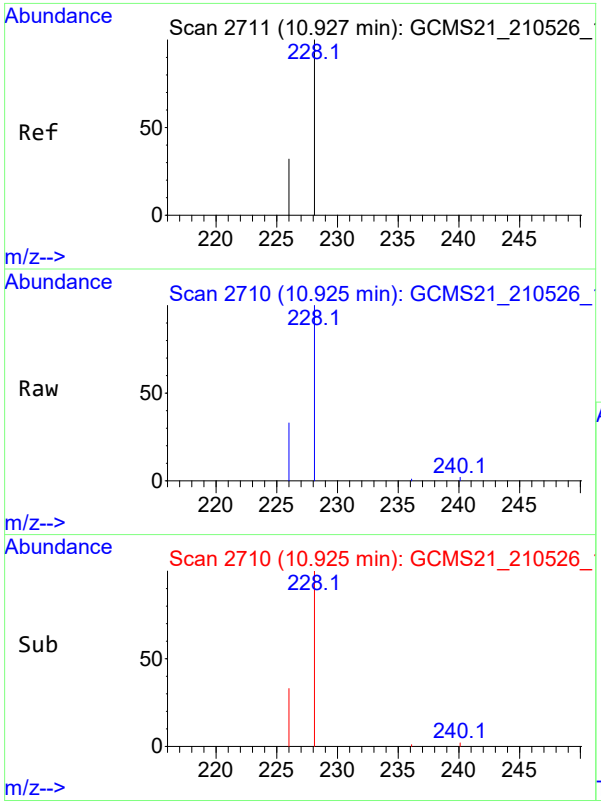


#19
Benzo(a)anthracene
Concen: 244.43 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:228 Resp: 233203

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6

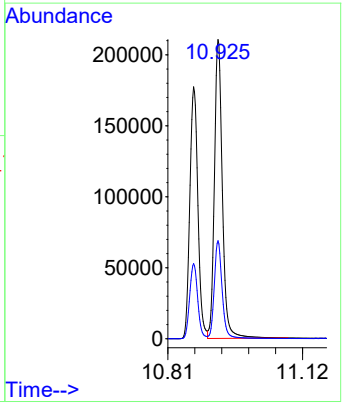


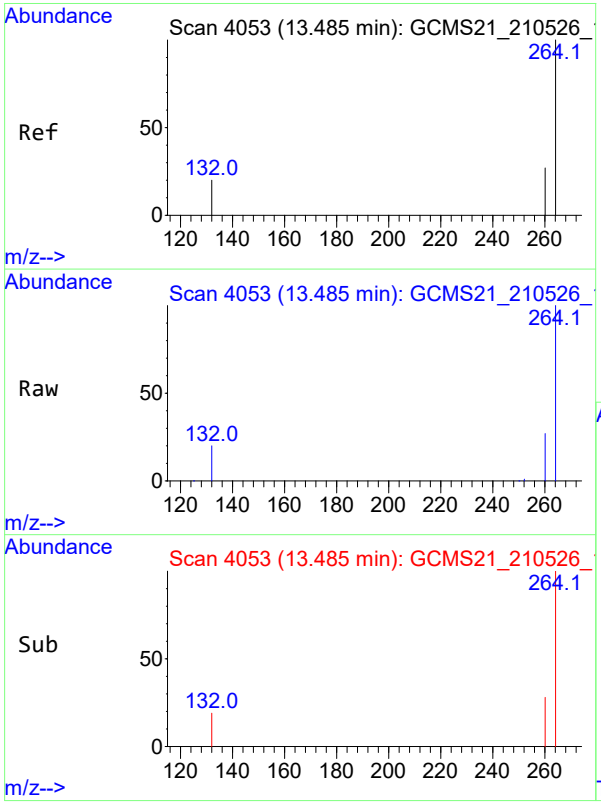


#20
Chrysene
Concen: 249.38 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:228 Resp: 273126

Ion	Ratio	Lower	Upper
228	100		
226	32.5	2.5	62.5

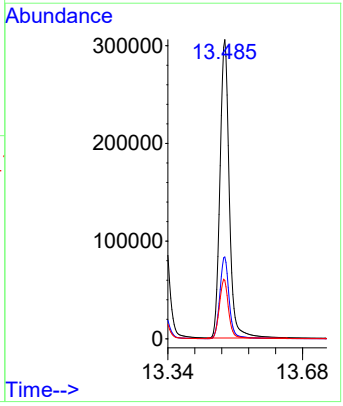


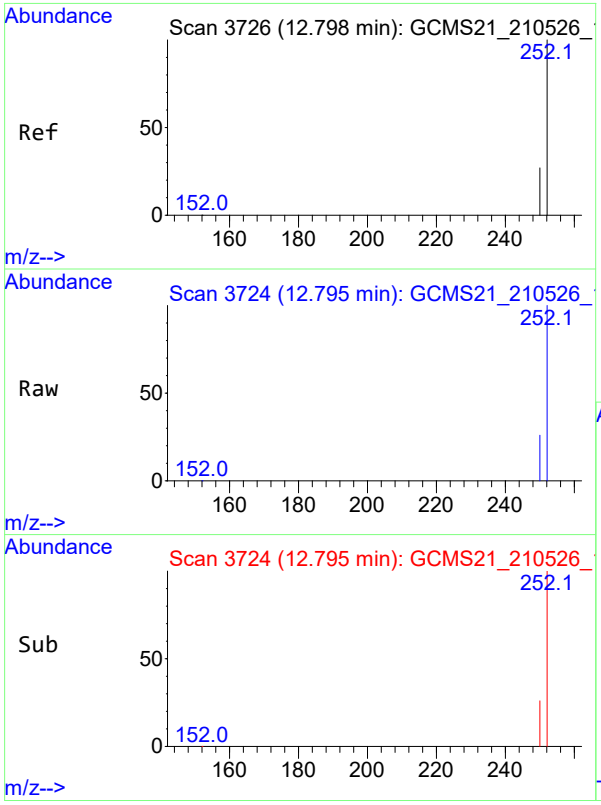


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:264 Resp: 500118

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.5
132	19.9	0.0	49.9

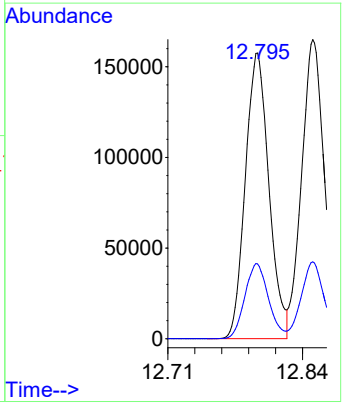


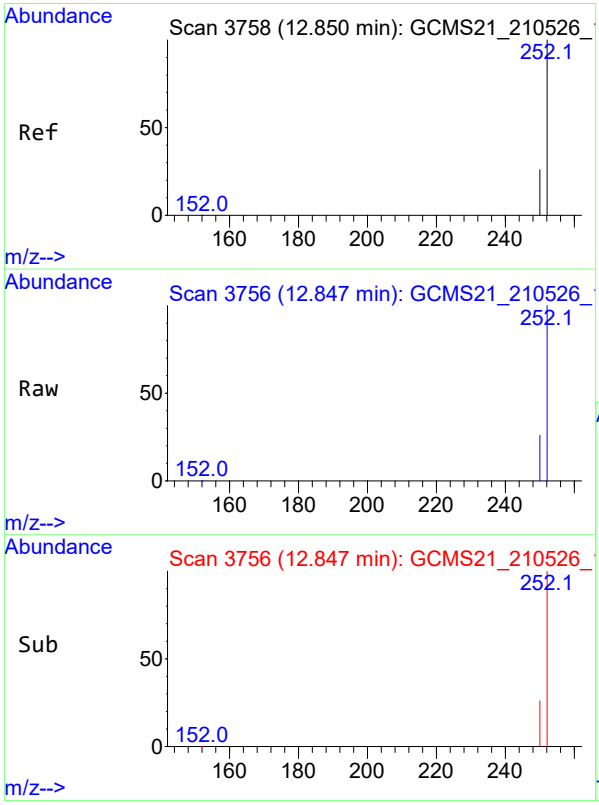


#22
Benzo(b)fluoranthene
Concen: 247.41 ng/mL
RT: 12.795 min Scan# 3724
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 243628

Ion	Ratio	Lower	Upper
252	100		
250	26.2	0.0	56.2

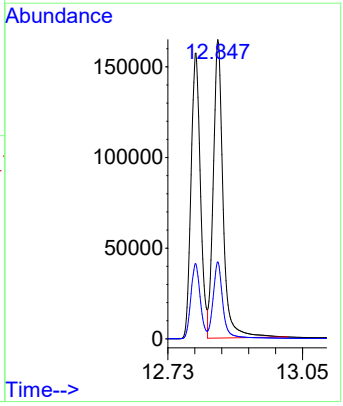


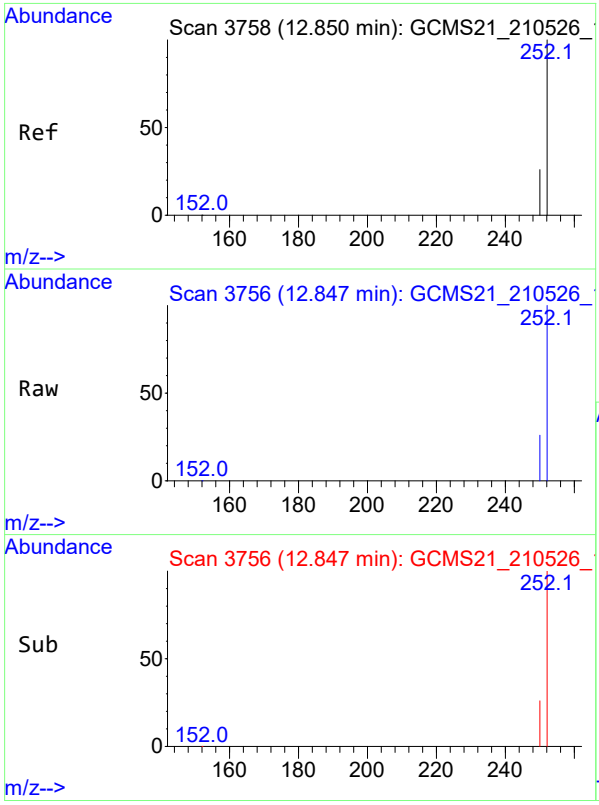


#23
Benzo(k)fluoranthene
Concen: 242.31 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 265812

Ion	Ratio	Lower	Upper
252	100		
250	25.6	0.0	55.4

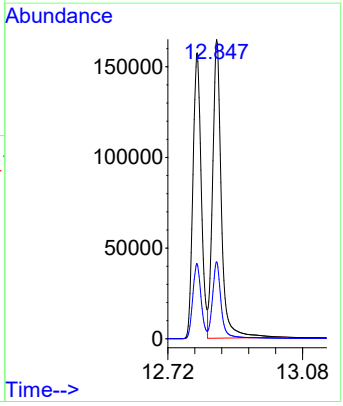


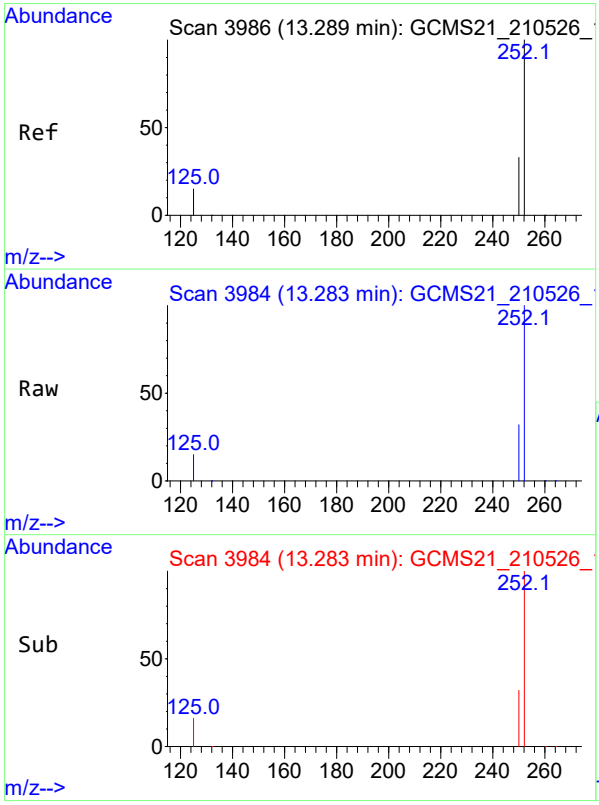


#24
benzo(b+k)fluoranthene (sum)
Concen: 255.89 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 268057

Ion	Ratio	Lower	Upper
252	100		
250	25.4	0.0	56.3

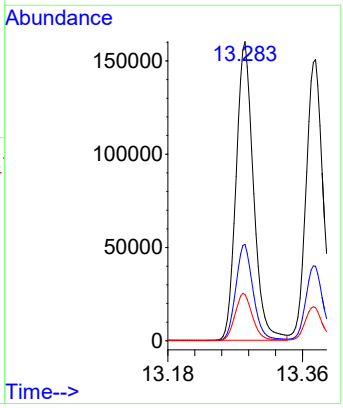


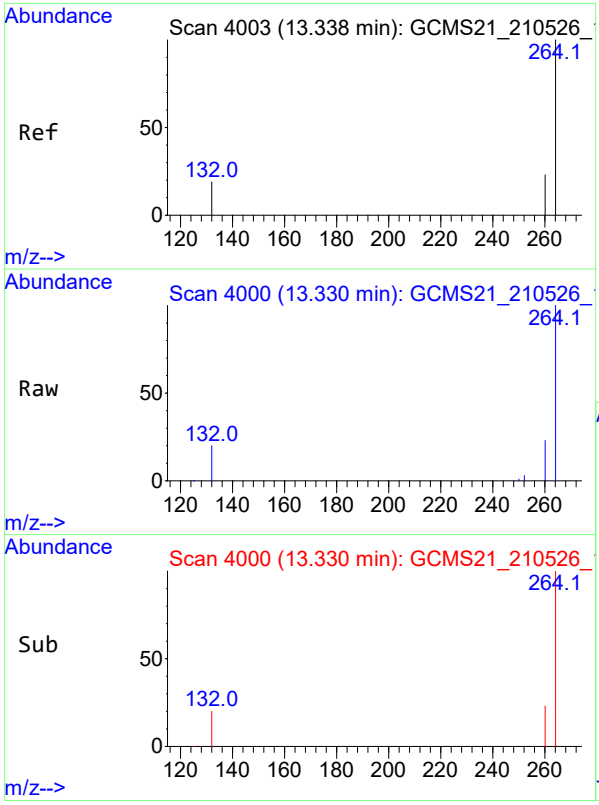


#25
Benzo(e)pyrene
Concen: 251.27 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 255168

Ion	Ratio	Lower	Upper
252	100		
250	32.4	2.4	62.4
125	16.0	0.0	46.0

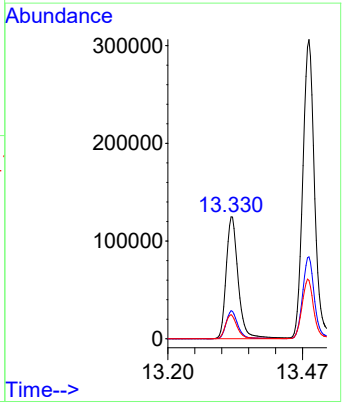


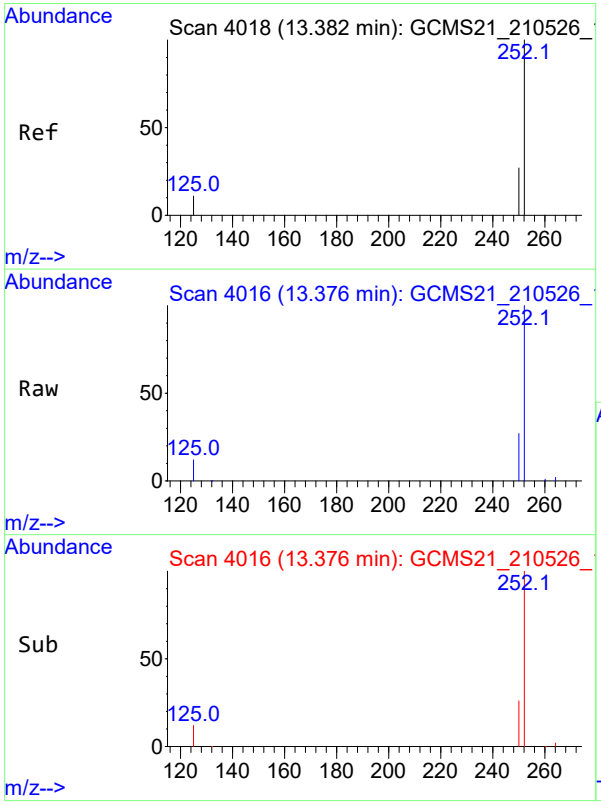


#26
Benzo(a)pyrene-D12
Concen: 240.12 ng/mL
RT: 13.330 min Scan# 4000
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:264 Resp: 206884

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	52.7
132	19.5	0.0	49.5

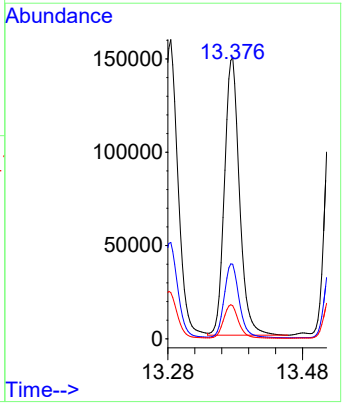


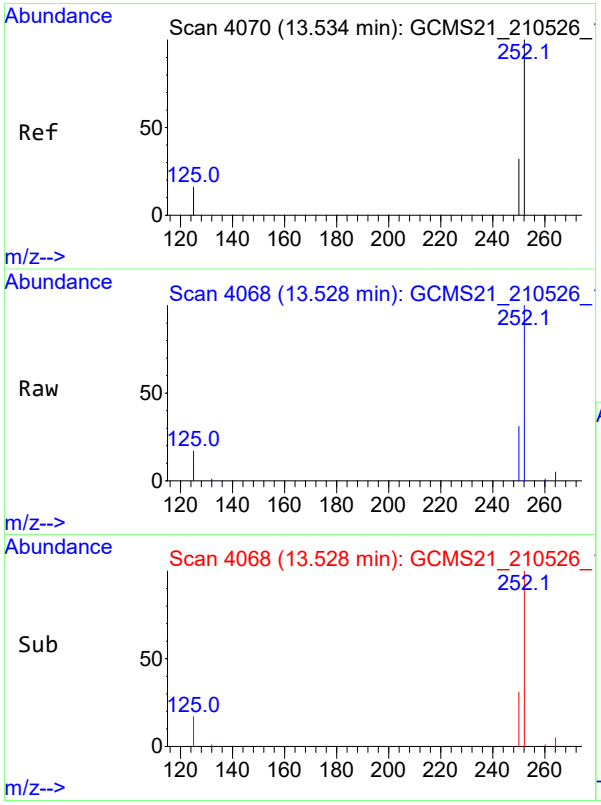


#27
Benzo(a)pyrene
Concen: 237.77 ng/mL
RT: 13.376 min Scan# 4016
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 233919

Ion	Ratio	Lower	Upper
252	100		
250	27.2	0.0	57.2
125	12.3	0.0	42.3

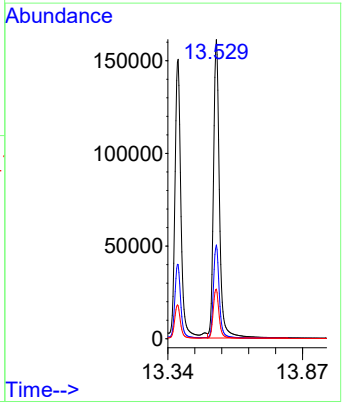


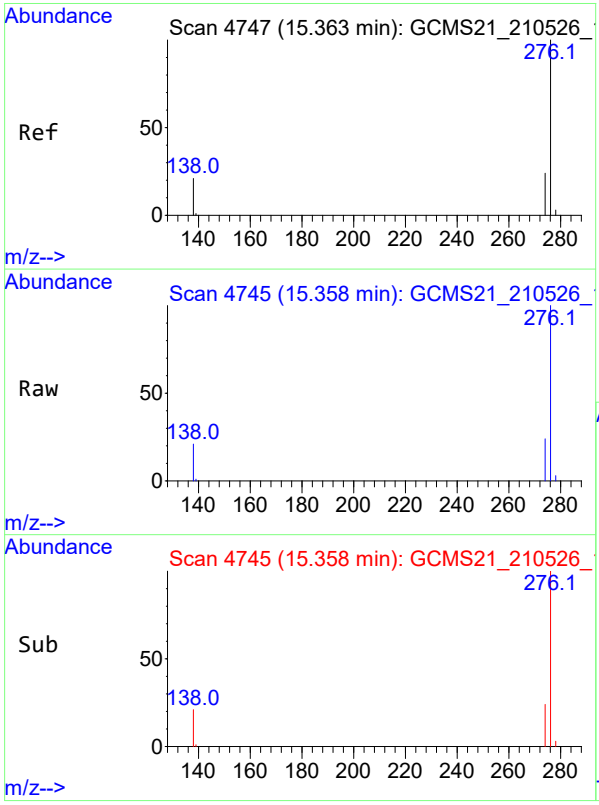


#28
Perylene
Concen: 249.51 ng/mL
RT: 13.528 min Scan# 4068
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:252 Resp: 266371

Ion	Ratio	Lower	Upper
252	100		
250	31.1	1.1	61.1
125	16.2	0.0	46.2

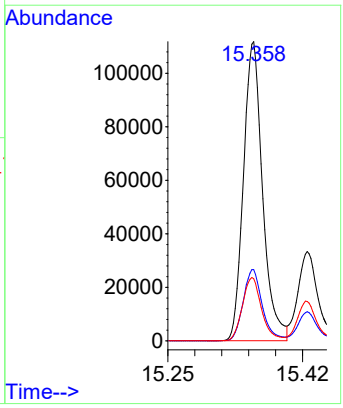


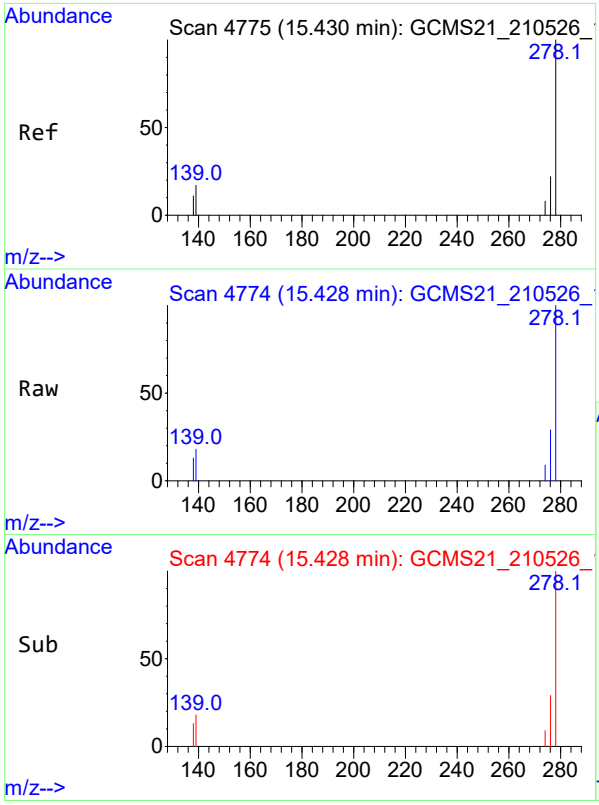


#29
Indeno(1,2,3-cd)pyrene
Concen: 229.28 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:276 Resp: 193882

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.7
138	21.1	0.0	51.1

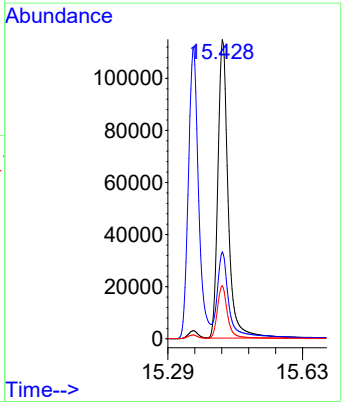


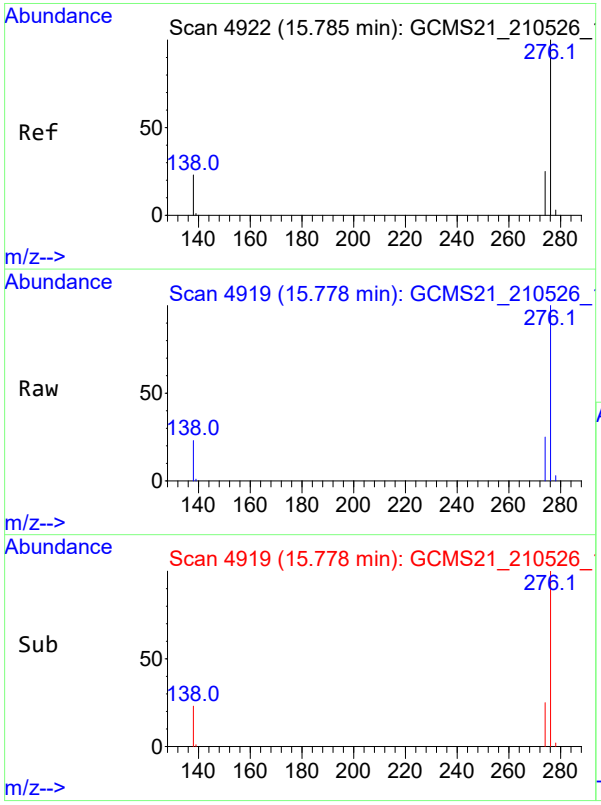


#30
Dibenz(a,h)anthracene
Concen: 224.18 ng/mL
RT: 15.428 min Scan# 4774
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:278 Resp: 201596

Ion	Ratio	Lower	Upper
278	100		
276	32.2	2.7	62.7
139	17.5	0.0	47.4

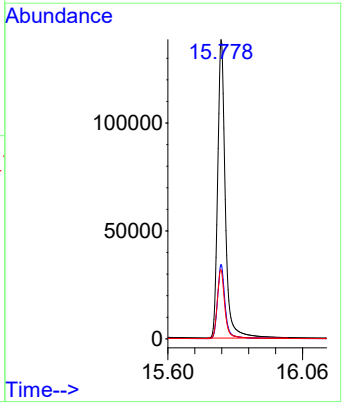




#31
Benzo(g,h,i)perylene
Concen: 238.37 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. 0.000 min
Lab File: GCMS21_210526_15.D
Acq: 26 May 2021 16:47

Tgt Ion:276 Resp: 249853

Ion	Ratio	Lower	Upper
276	100		
274	24.7	0.0	54.7
138	22.8	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_16.D
Acq On : 26 May 2021 17:12
Operator : MN GCMS21
Sample : CAL8_500ng/mL
Misc : LIMS 21B0108
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 02 11:55:36 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

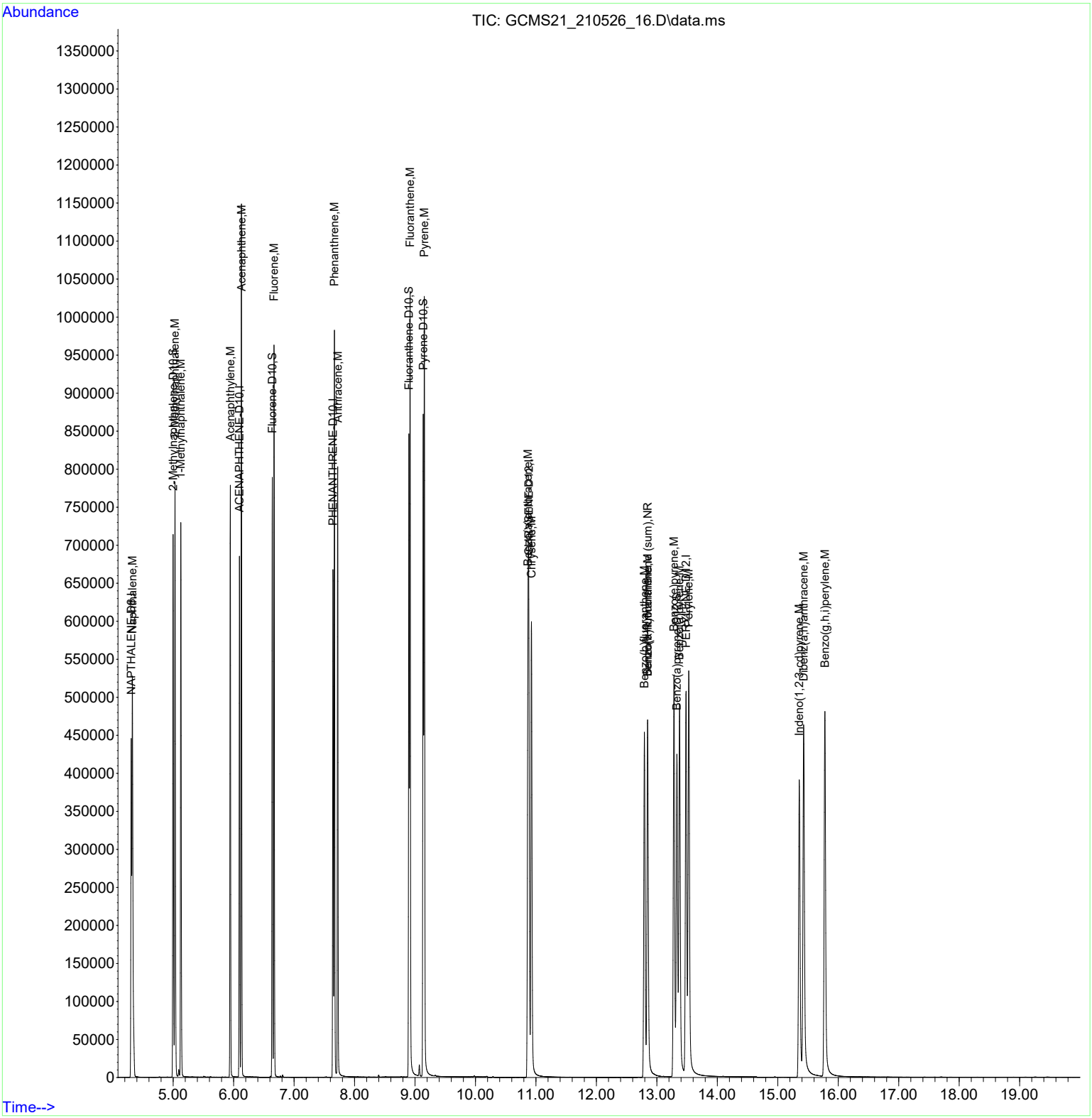
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.306	136	448172	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	256632	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	488337	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.883	240	513653	500.00	ng/mL	0.00
21) PERYLENE-D12	13.483	264	551655	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	287530	503.13	ng/mL	0.00
9) Fluorene-D10	6.639	176	301697	505.12	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	541121	496.01	ng/mL	0.00
17) Pyrene-D10	9.135	212	587142	501.13	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.331	264	472116	496.78	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	427856	497.37	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	303156	497.05	ng/mL	100
5) 1-Methylnaphthalene	5.127	142	275048	501.06	ng/mL	100
7) Acenaphthylene	5.946	152	408823	494.39	ng/mL	100
8) Acenaphthene	6.130	153	312583	498.64	ng/mL	100
10) Fluorene	6.668	166	357366	501.32	ng/mL	100
12) Phenanthrene	7.667	178	549822	502.87	ng/mL	100
13) Anthracene	7.722	178	486511	472.39	ng/mL	100
15) Fluoranthene	8.919	202	609126	492.89	ng/mL	100
18) Pyrene	9.156	202	652241	499.39	ng/mL	100
19) Benzo(a)anthracene	10.868	228	509568	493.01	ng/mL	100
20) Chrysene	10.925	228	590776	497.92	ng/mL	100
22) Benzo(b)fluoranthene	12.794	252	539199	496.42	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	603015	498.35	ng/mL	100
24) benzo(b+k)fluoranthene...	12.847	252	1150128m	995.35	ng/mL	
25) Benzo(e)pyrene	13.285	252	562292	501.98	ng/mL	100
27) Benzo(a)pyrene	13.375	252	538062	495.83	ng/mL	99
28) Perylene	13.527	252	592587	503.21	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.355	276	454301	487.06	ng/mL	100
30) Dibenz(a,h)anthracene	15.427	278	489809	493.80	ng/mL	99
31) Benzo(g,h,i)perylene	15.779	276	575675	497.90	ng/mL	100

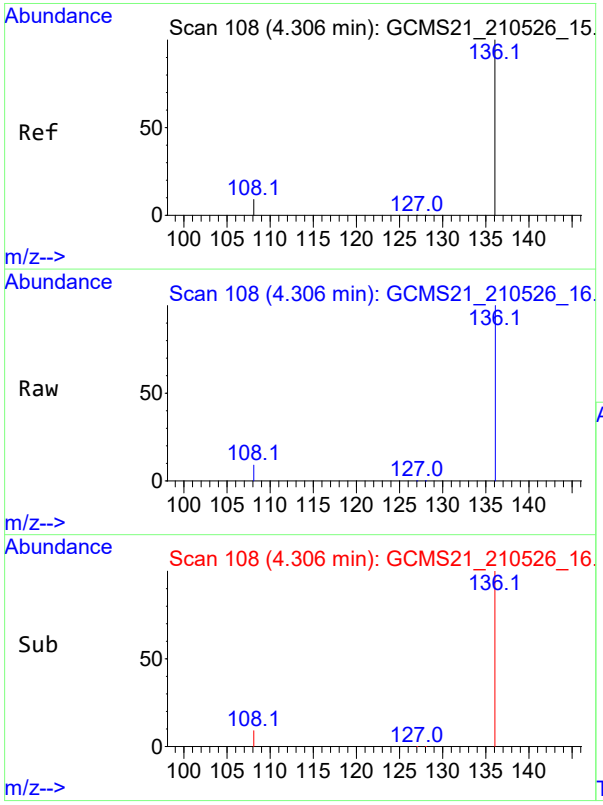
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_16.D
Acq On : 26 May 2021 17:12
Operator : MN GCMS21
Sample : CAL8_500ng/mL
Misc : LIMS 21B0108
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 02 11:55:36 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

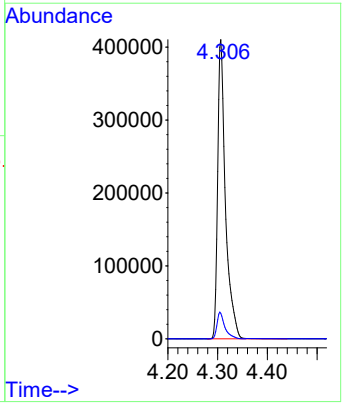


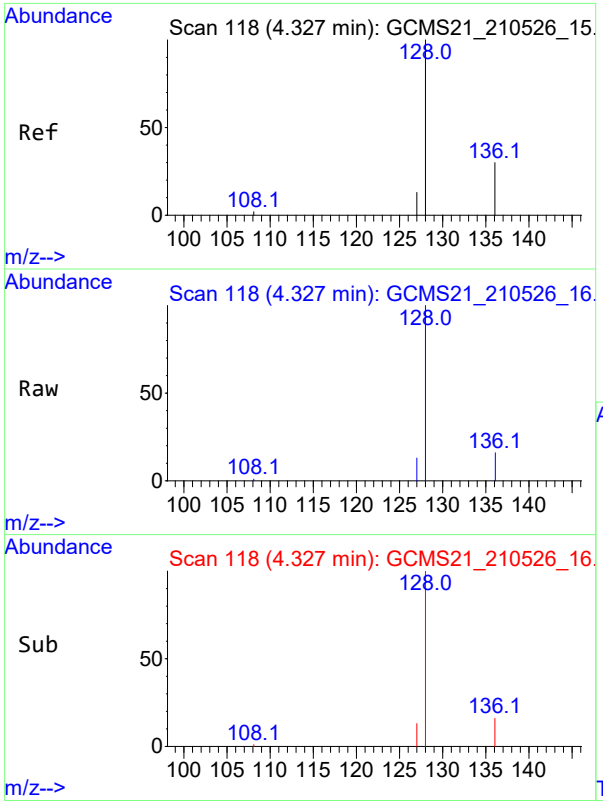


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:136 Resp: 448172

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	29.0

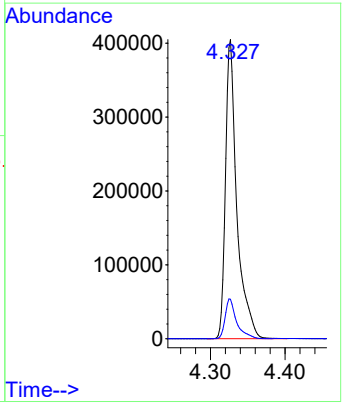


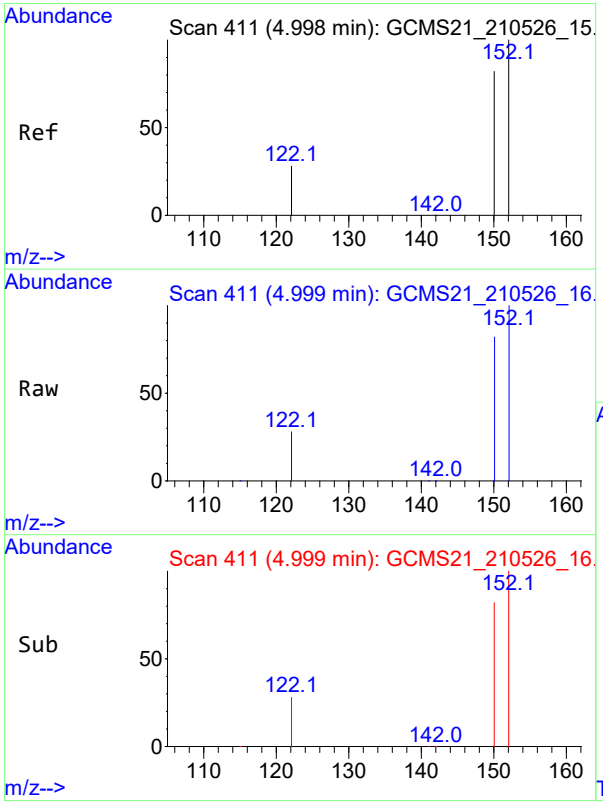


#2
Naphthalene
Concen: 497.37 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:128 Resp: 427856

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

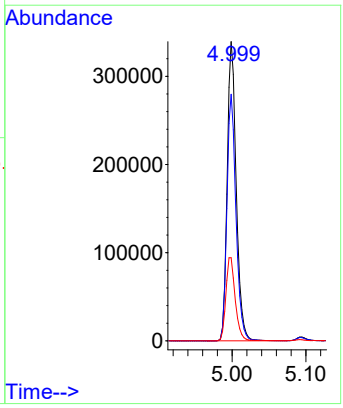


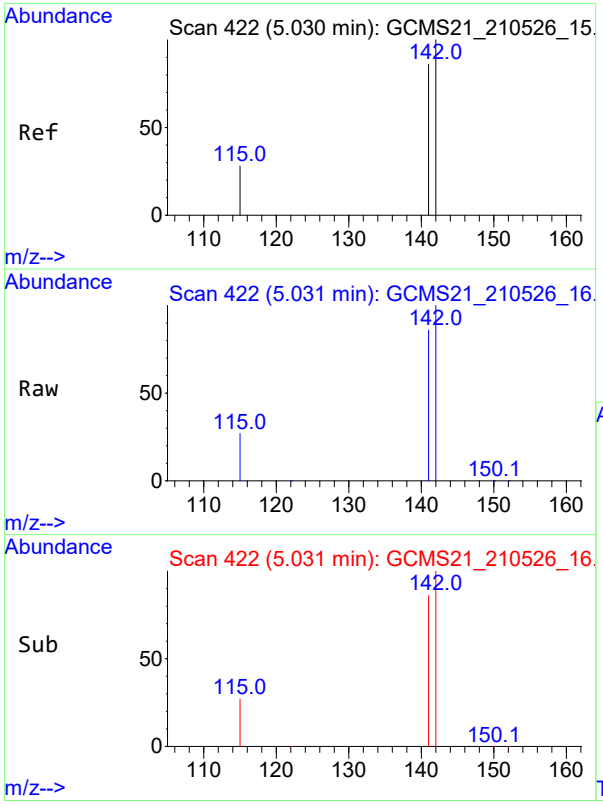


#3
2-Methylnaphthalene-D10
Concen: 503.13 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:152 Resp: 287530

Ion	Ratio	Lower	Upper
152	100		
150	82.5	57.5	106.7
122	28.8	20.1	37.3

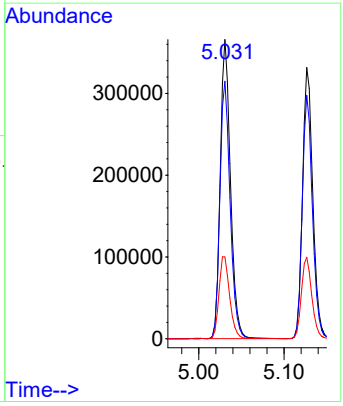


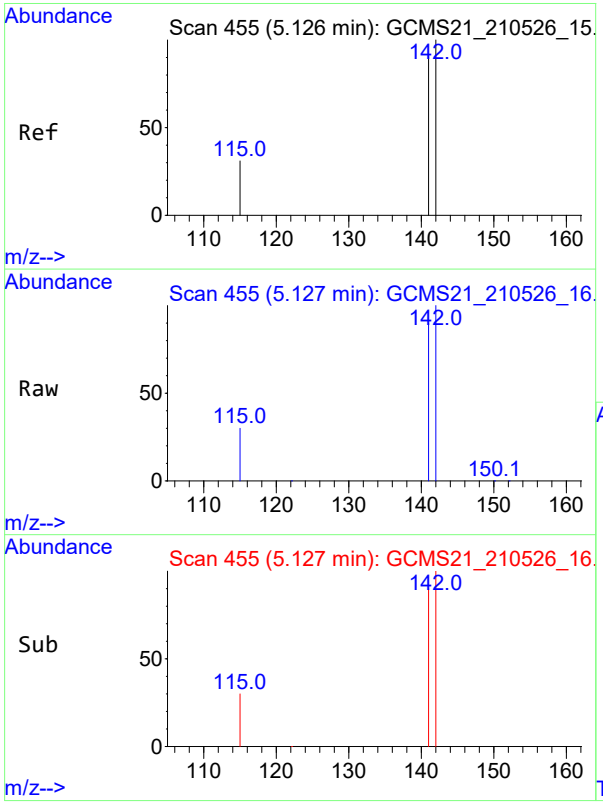


#4
2-Methylnaphthalene
Concen: 497.05 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:142 Resp: 303156

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.5	116.5
115	28.7	0.0	59.3

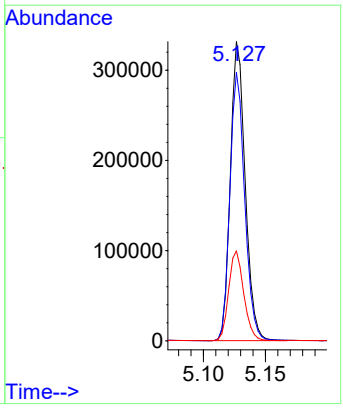


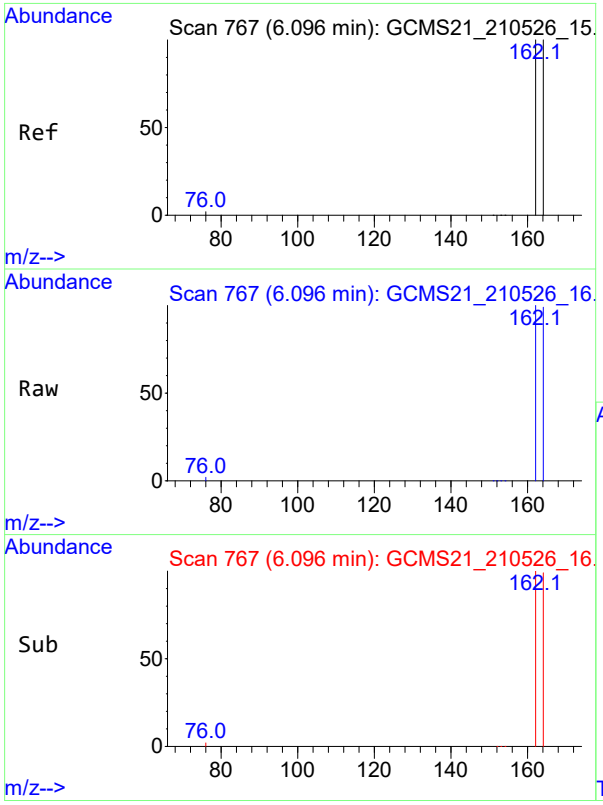


#5
1-Methylnaphthalene
Concen: 501.06 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:142 Resp: 275048

Ion	Ratio	Lower	Upper
142	100		
141	89.5	59.6	119.6
115	30.6	1.2	61.2

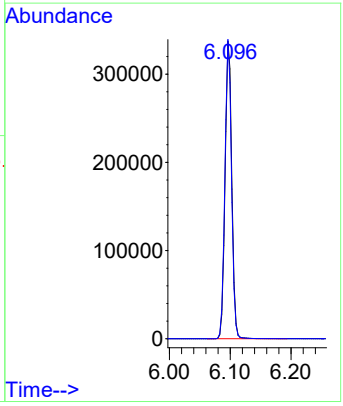


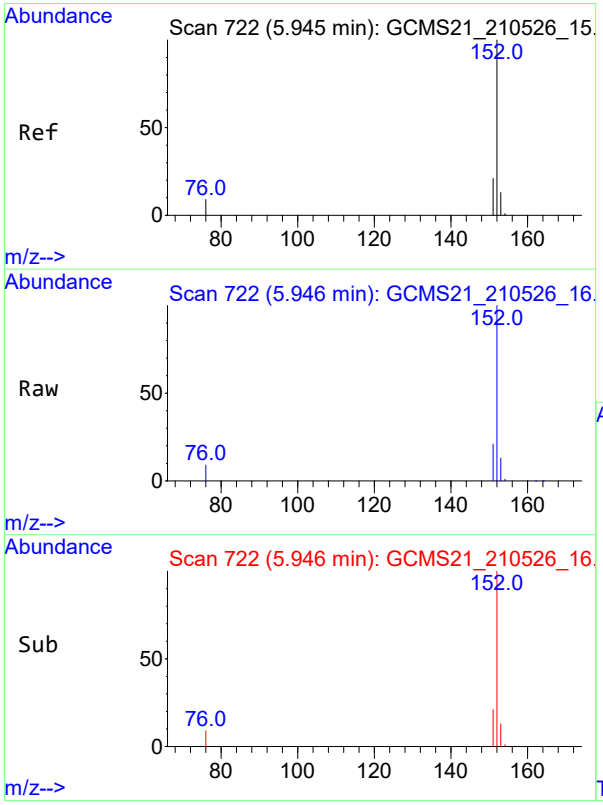


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:164 Resp: 256632

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.5	119.5

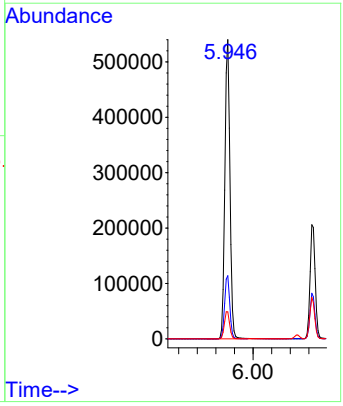


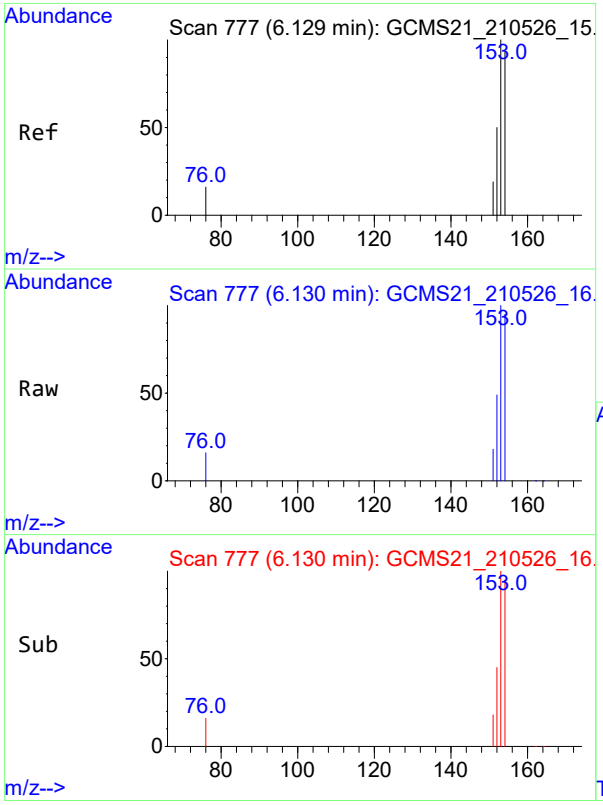


#7
Acenaphthylene
Concen: 494.39 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:152 Resp: 408823

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	51.5
76	9.4	0.0	39.5

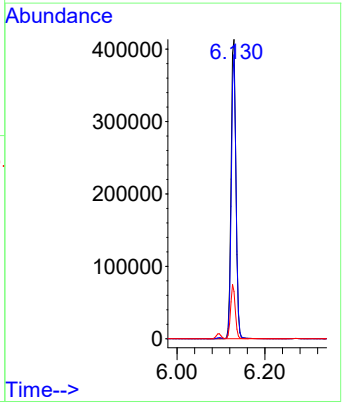


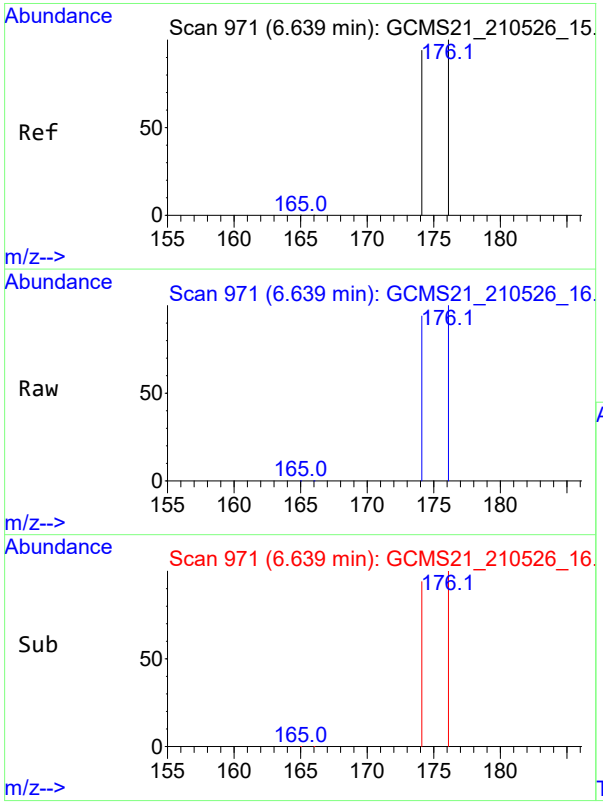


#8
Acenaphthene
Concen: 498.64 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:153 Resp: 312583

Ion	Ratio	Lower	Upper
153	100		
154	92.3	61.9	121.9
76	17.5	0.0	47.6

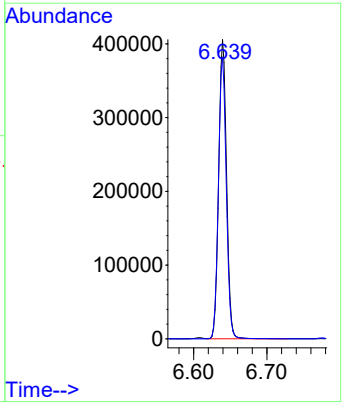


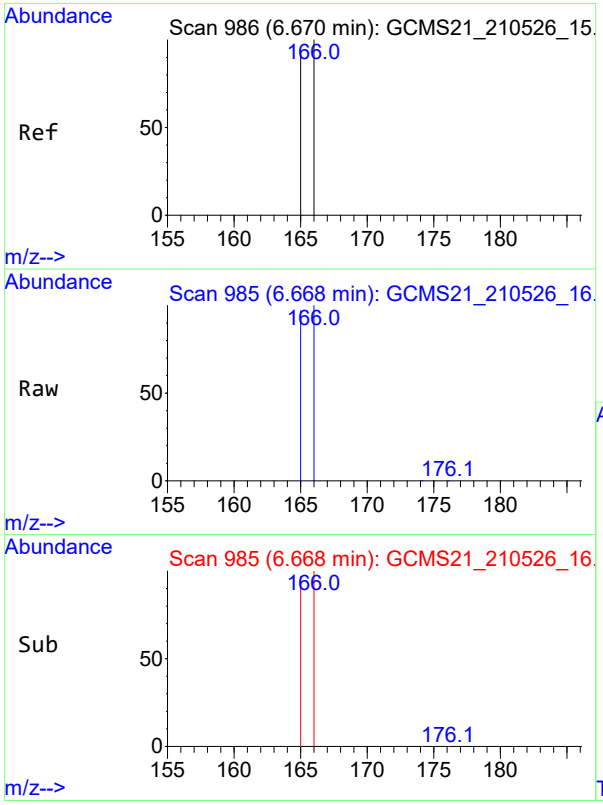


#9
Fluorene-D10
Concen: 505.12 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:176 Resp: 301697

Ion	Ratio	Lower	Upper
176	100		
174	94.4	66.0	122.6

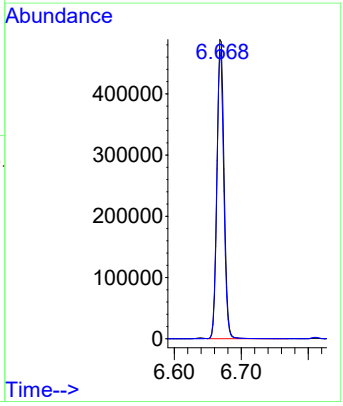


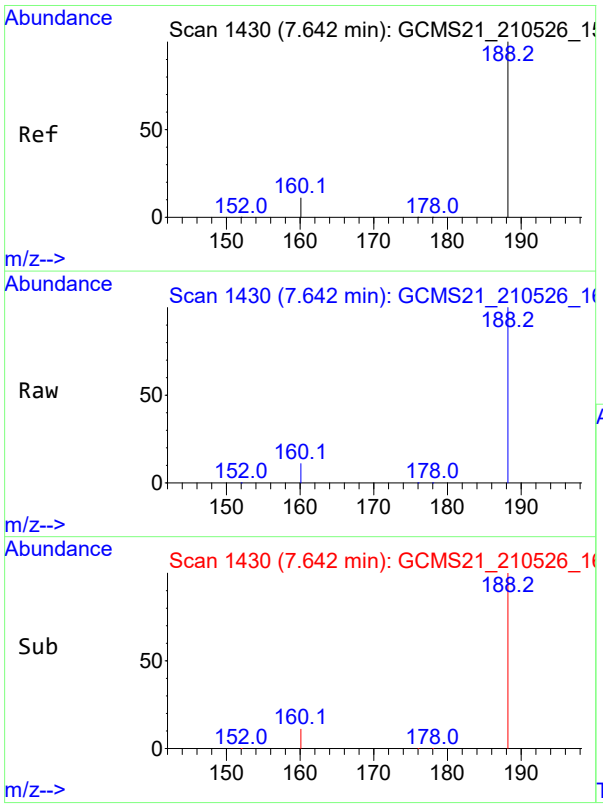


#10
Fluorene
Concen: 501.32 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:166 Resp: 357366

Ion	Ratio	Lower	Upper
166	100		
165	95.3	65.4	125.4

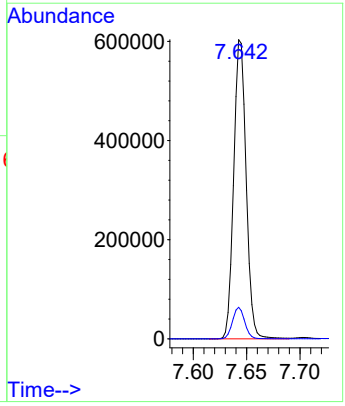


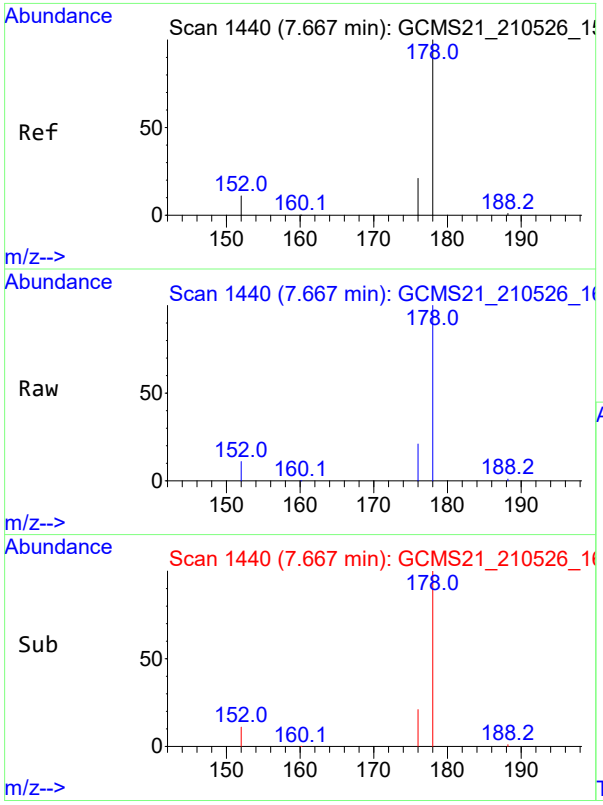


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:188 Resp: 488337

Ion	Ratio	Lower	Upper
188	100		
160	10.3	0.0	40.3

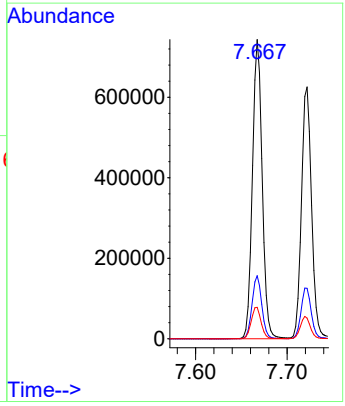


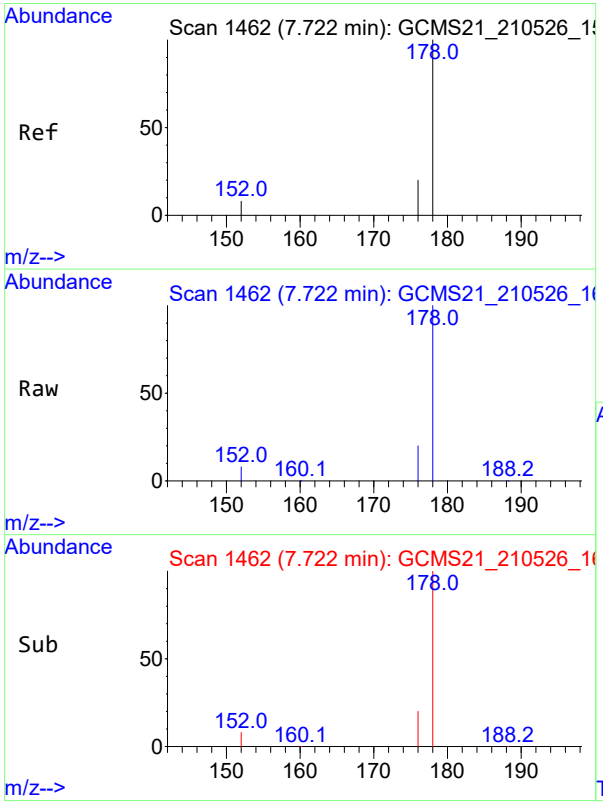


#12
Phenanthrene
Concen: 502.87 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:178 Resp: 549822

Ion	Ratio	Lower	Upper
178	100		
176	21.0	0.0	50.9
152	10.7	0.0	40.7

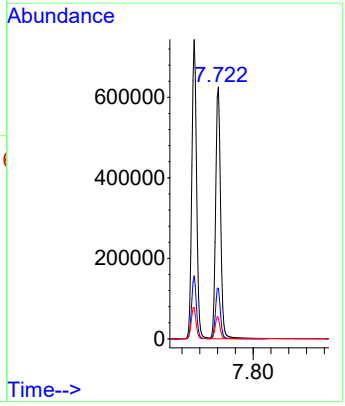


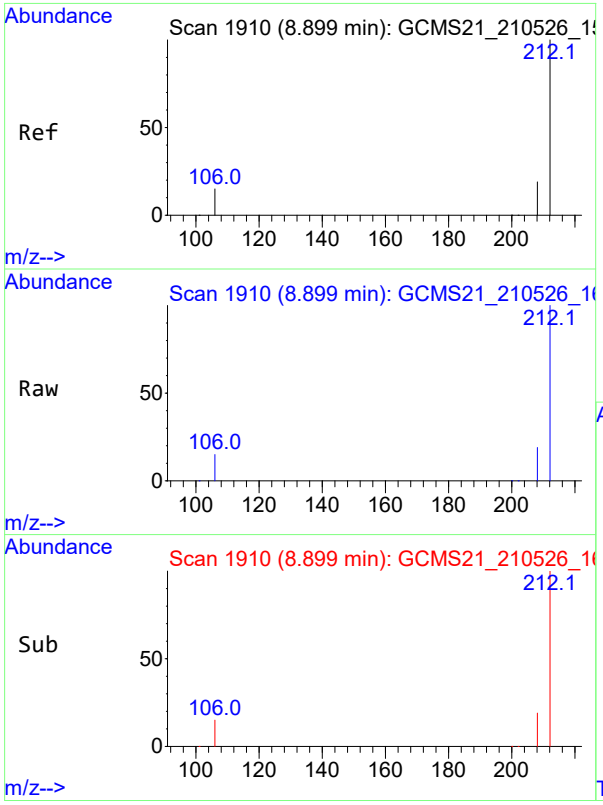


#13
Anthracene
Concen: 472.39 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:178 Resp: 486511

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.2
152	8.7	0.0	38.7

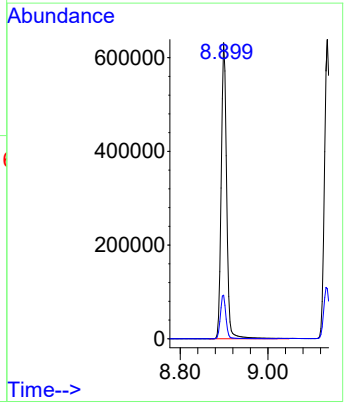


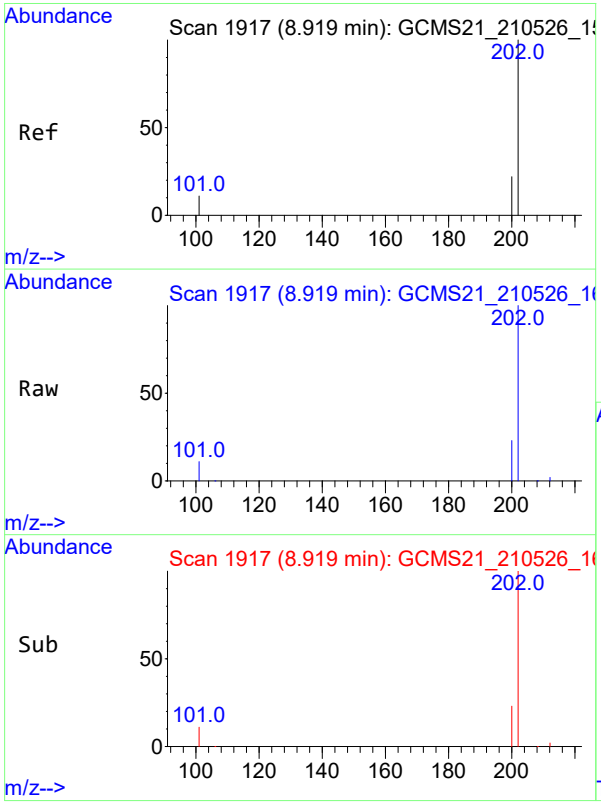


#14
Fluoranthene-D10
Concen: 496.01 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:212 Resp: 541121

Ion	Ratio	Lower	Upper
212	100		
106	15.1	10.6	19.6

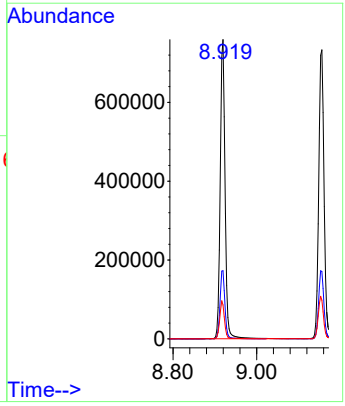


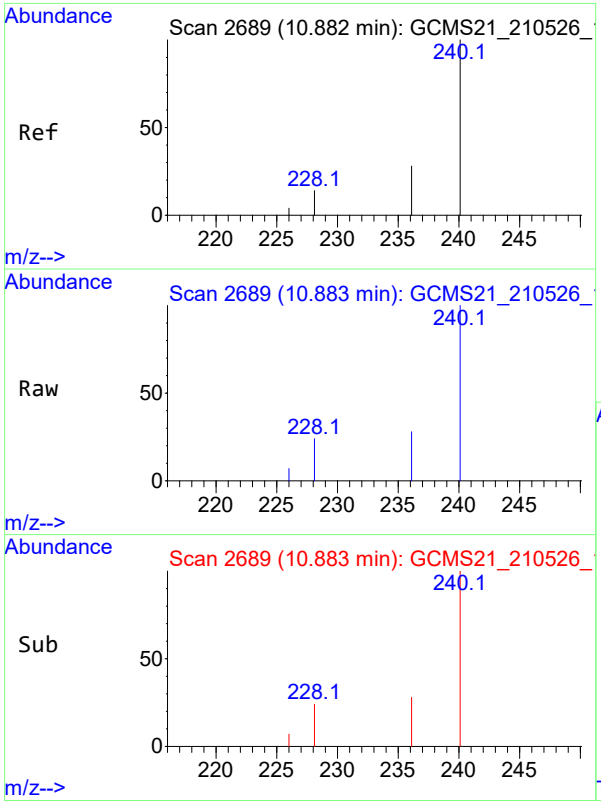


#15
Fluoranthene
Concen: 492.89 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:202 Resp: 609126

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.5	0.0	42.4

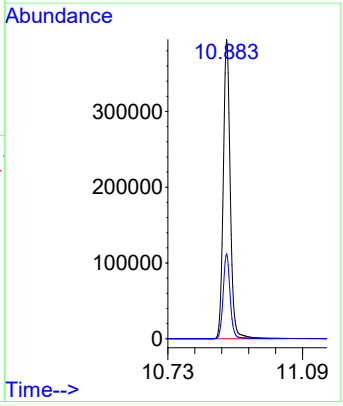


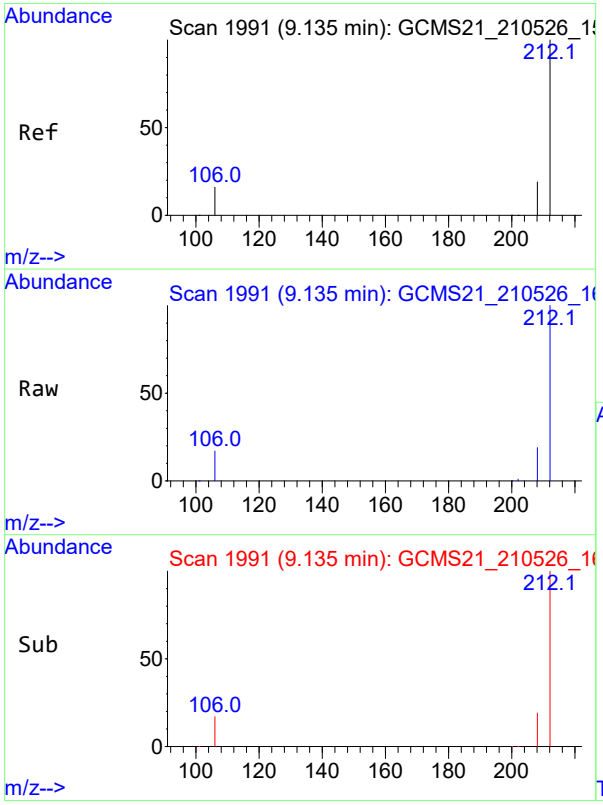


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.883 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:240 Resp: 513653

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

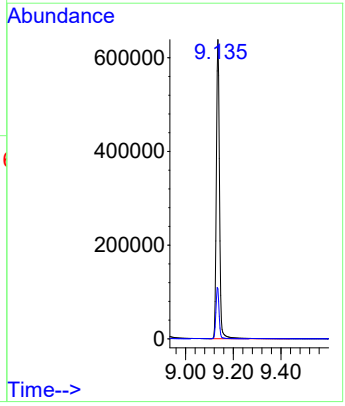


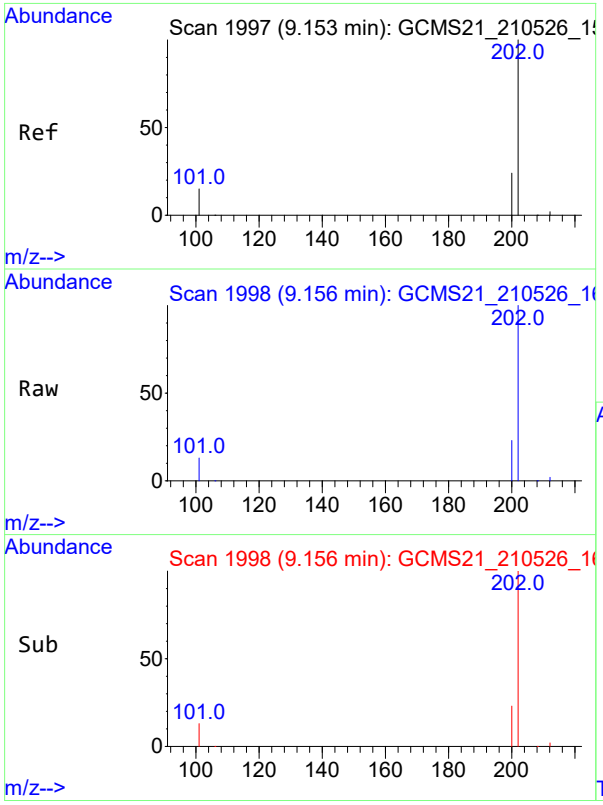


#17
Pyrene-D10
Concen: 501.13 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:212 Resp: 587142

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.2	22.6

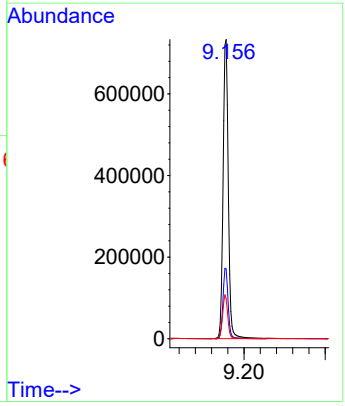


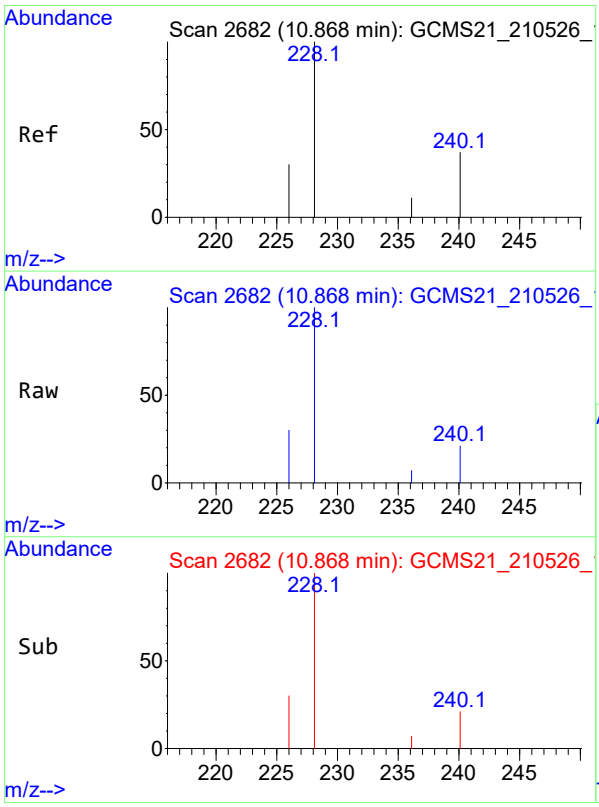


#18
Pyrene
Concen: 499.39 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:202 Resp: 652241

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.6
101	14.5	0.0	44.4

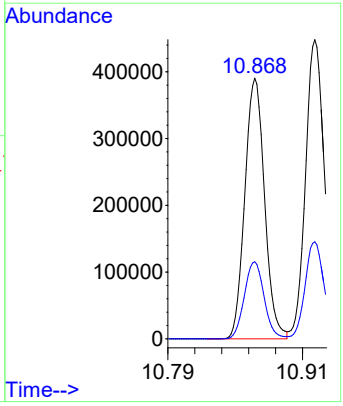


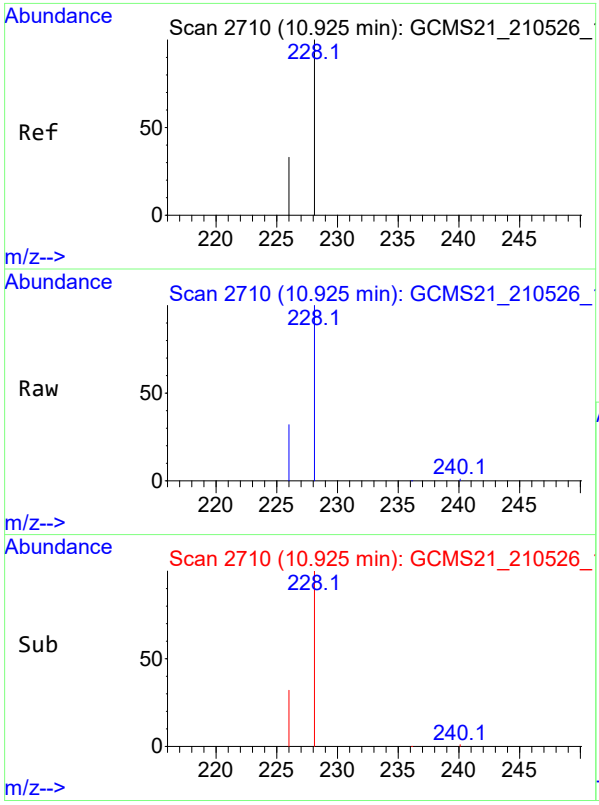


#19
Benzo(a)anthracene
Concen: 493.01 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:228 Resp: 509568

Ion	Ratio	Lower	Upper
228	100		
226	29.7	0.0	59.6

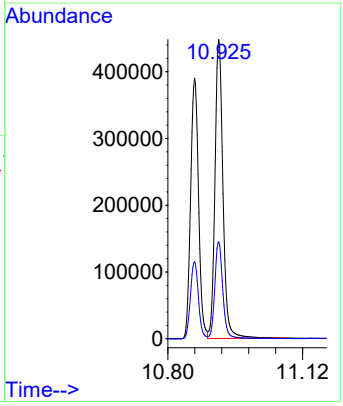


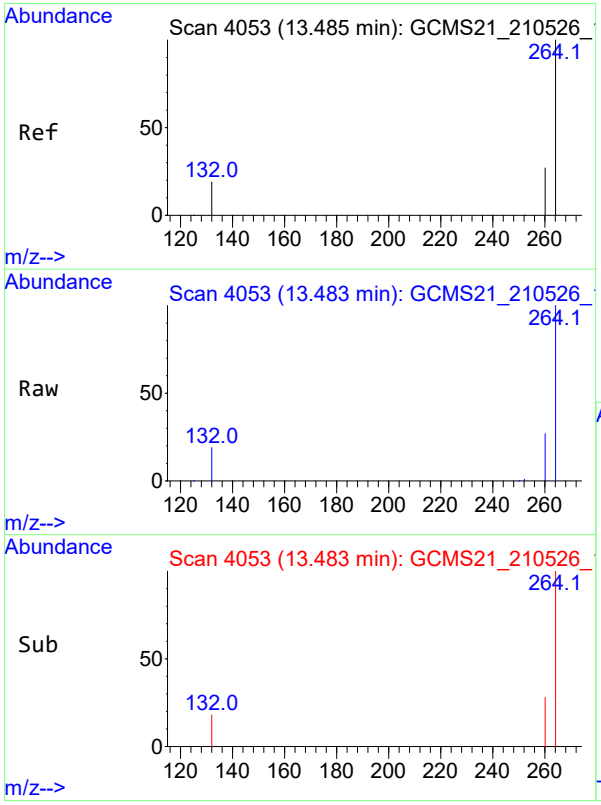


#20
Chrysene
Concen: 497.92 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:228 Resp: 590776

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.5	62.5

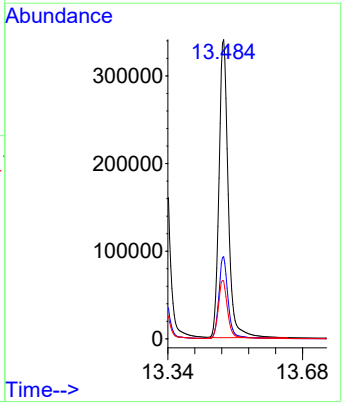


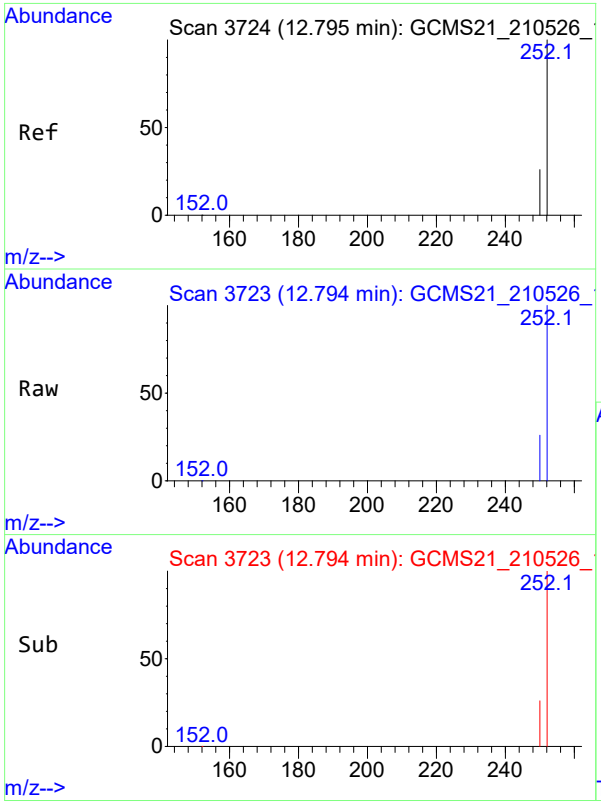


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.483 min Scan# 4053
Delta R.T. -0.001 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:264 Resp: 551655

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	19.7	0.0	49.9

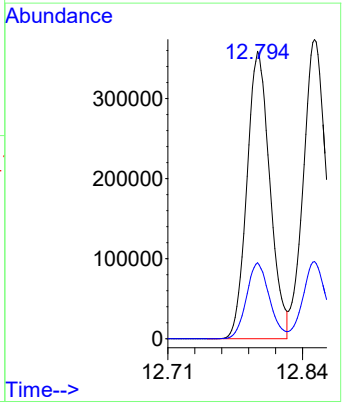


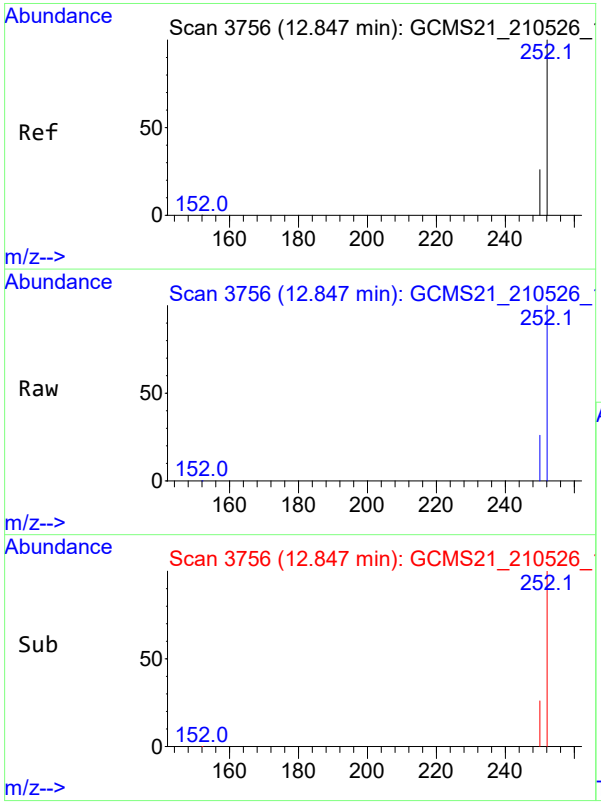


#22
Benzo(b)fluoranthene
Concen: 496.42 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. -0.001 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 539199

Ion	Ratio	Lower	Upper
252	100		
250	26.4	0.0	56.2

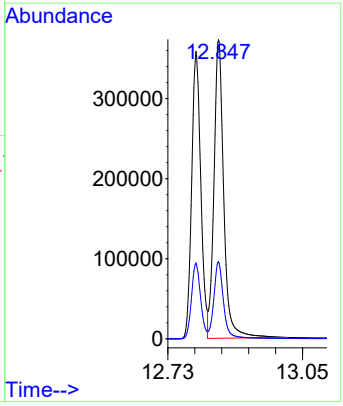


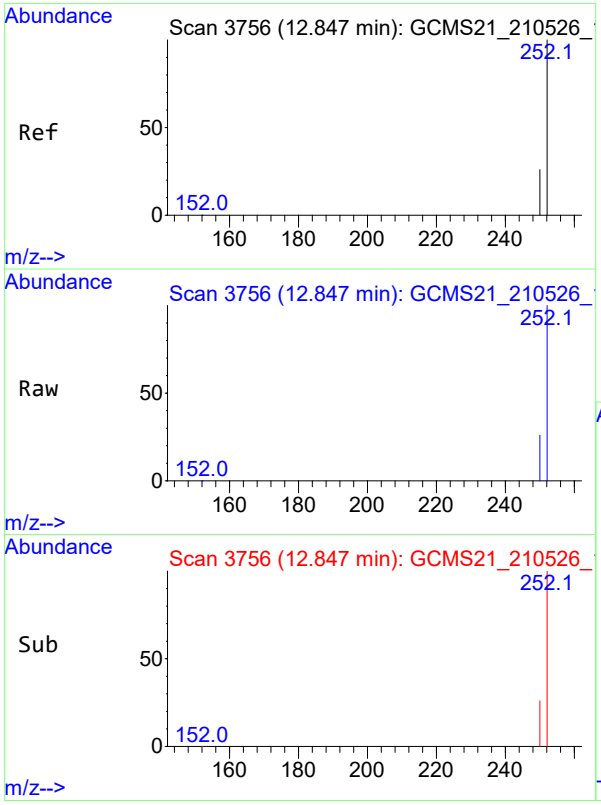


#23
Benzo(k)fluoranthene
Concen: 498.35 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 603015

Ion	Ratio	Lower	Upper
252	100		
250	25.6	0.0	55.4

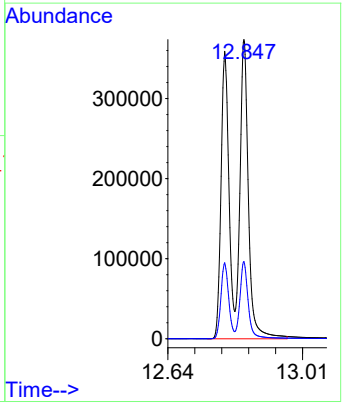


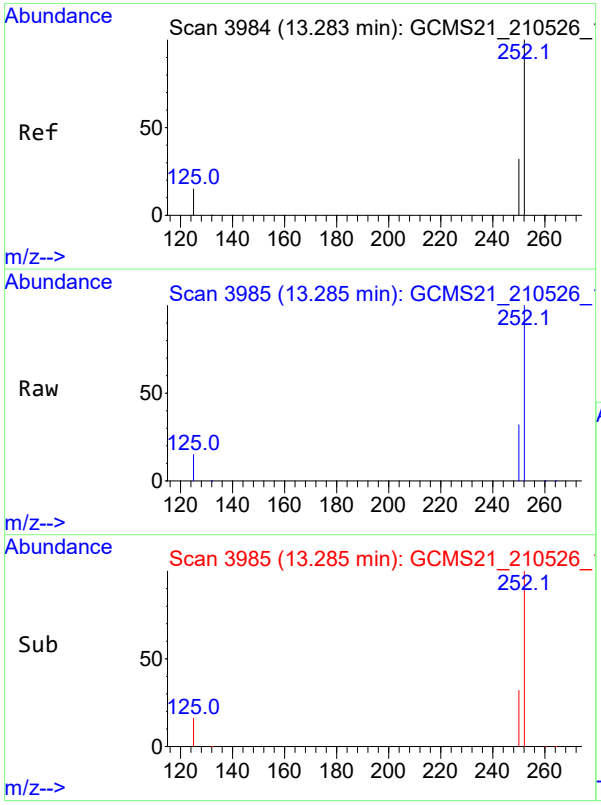


#24
benzo(b+k)fluoranthene (sum)
Concen: 995.35 ng/mL m
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 1150128

Ion	Ratio	Lower	Upper
252	100		
250	26.1	0.0	56.3

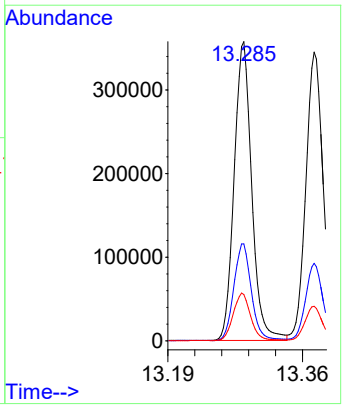


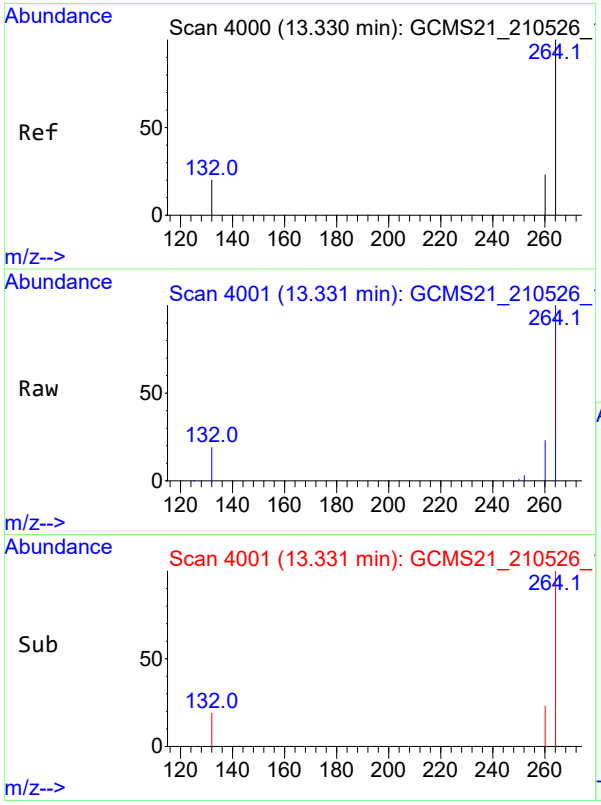


#25
Benzo(e)pyrene
Concen: 501.98 ng/mL
RT: 13.285 min Scan# 3985
Delta R.T. 0.002 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 562292

Ion	Ratio	Lower	Upper
252	100		
250	32.5	2.4	62.4
125	15.9	0.0	46.0

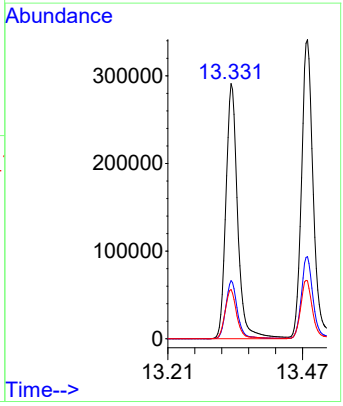


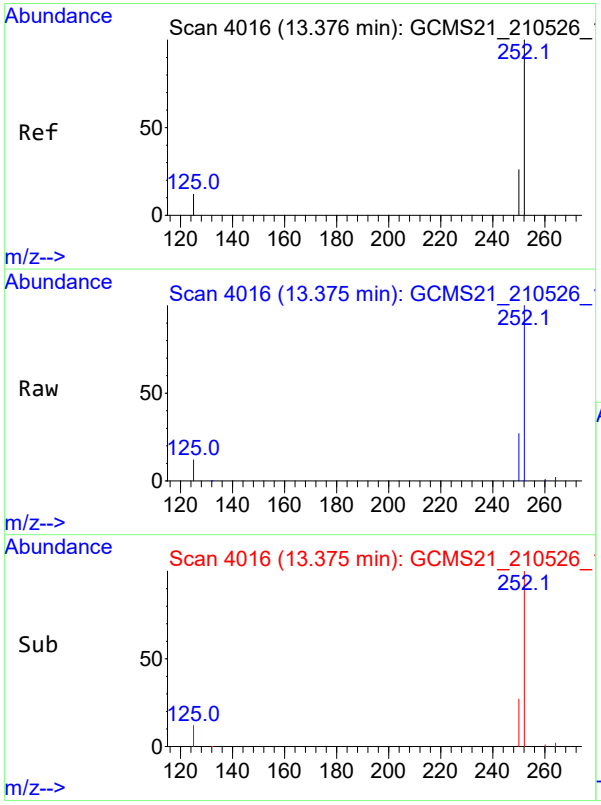


#26
Benzo(a)pyrene-D12
Concen: 496.78 ng/mL
RT: 13.331 min Scan# 4001
Delta R.T. 0.002 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:264 Resp: 472116

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	52.7
132	19.3	0.0	49.5

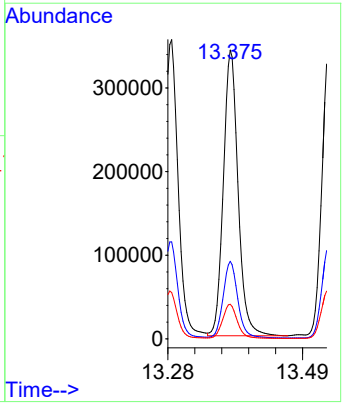


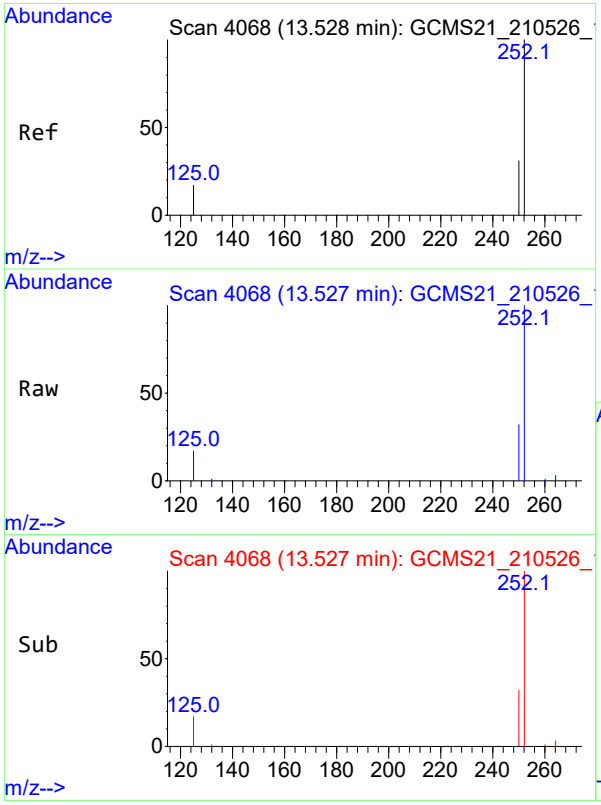


#27
Benzo(a)pyrene
Concen: 495.83 ng/mL
RT: 13.375 min Scan# 4016
Delta R.T. -0.001 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 538062

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	57.2
125	12.1	0.0	42.3

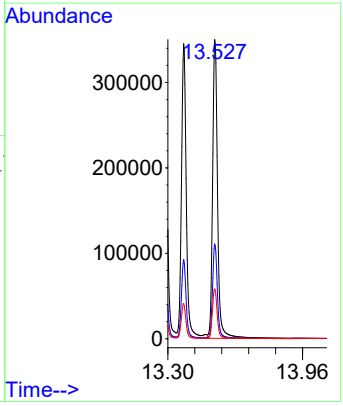


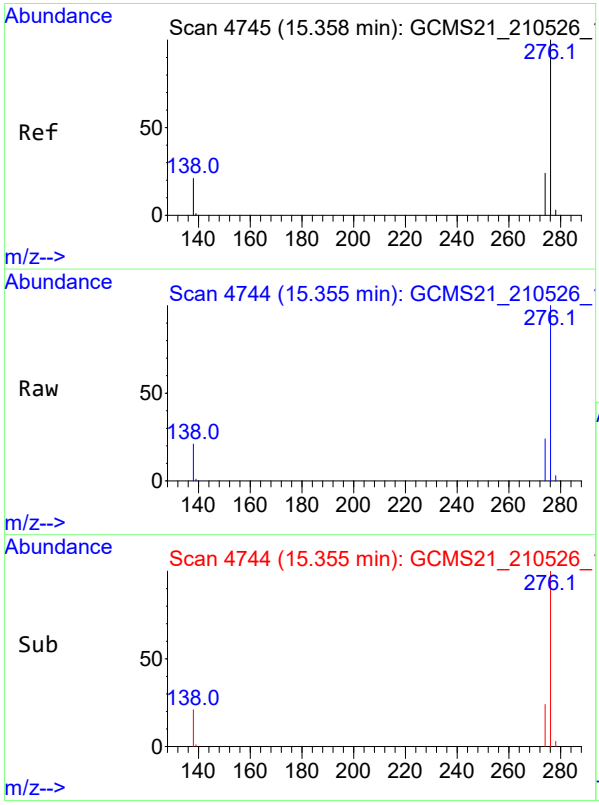


#28
Perylene
Concen: 503.21 ng/mL
RT: 13.527 min Scan# 4068
Delta R.T. -0.001 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 592587

Ion	Ratio	Lower	Upper
252	100		
250	31.0	1.1	61.1
125	16.4	0.0	46.2

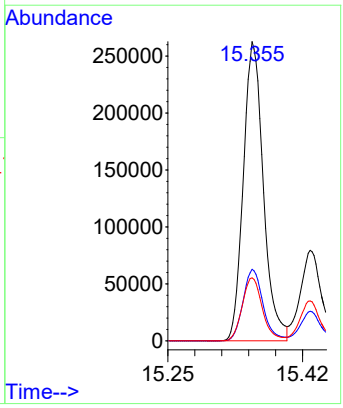


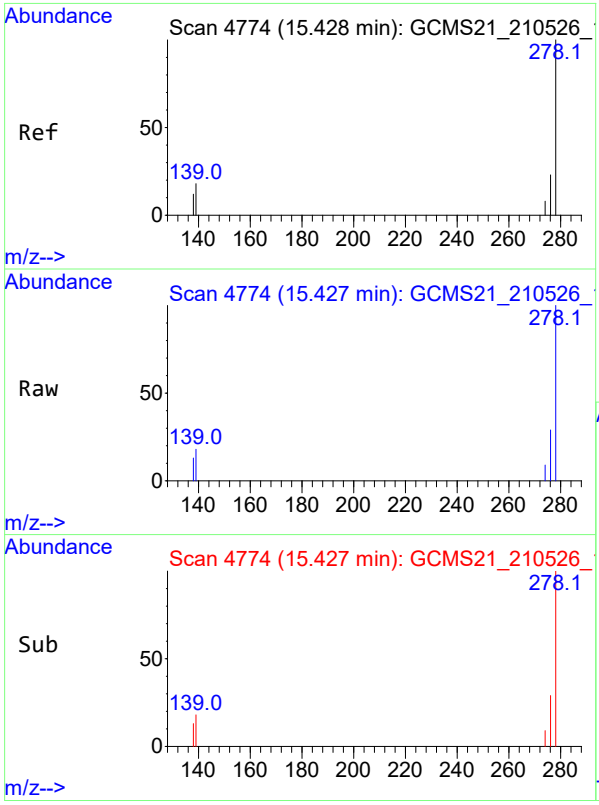


#29
Indeno(1,2,3-cd)pyrene
Concen: 487.06 ng/mL
RT: 15.355 min Scan# 4744
Delta R.T. -0.003 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:276 Resp: 454301

Ion	Ratio	Lower	Upper
276	100		
274	23.9	0.0	53.7
138	21.2	0.0	51.1

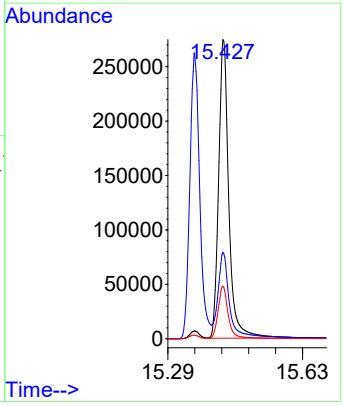


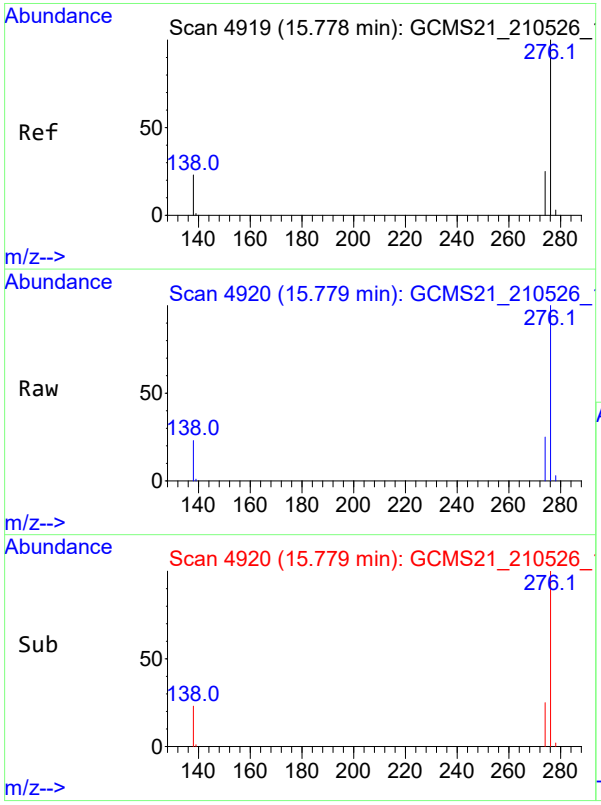


#30
Dibenz(a,h)anthracene
Concen: 493.80 ng/mL
RT: 15.427 min Scan# 4774
Delta R.T. -0.001 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:278 Resp: 489809

Ion	Ratio	Lower	Upper
278	100		
276	32.2	2.7	62.7
139	17.3	0.0	47.4

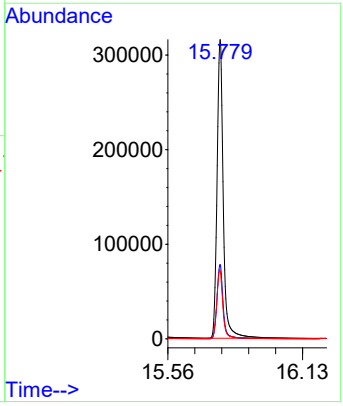




#31
Benzo(g,h,i)perylene
Concen: 497.90 ng/mL
RT: 15.779 min Scan# 4920
Delta R.T. 0.002 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:276 Resp: 575675

Ion	Ratio	Lower	Upper
276	100		
274	24.7	0.0	54.7
138	22.8	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_16.D
Acq On : 26 May 2021 17:12
Operator : MN GCMS21
Sample : CAL8_500ng/mL
Misc : LIMS 21B0108
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 02 11:55:36 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

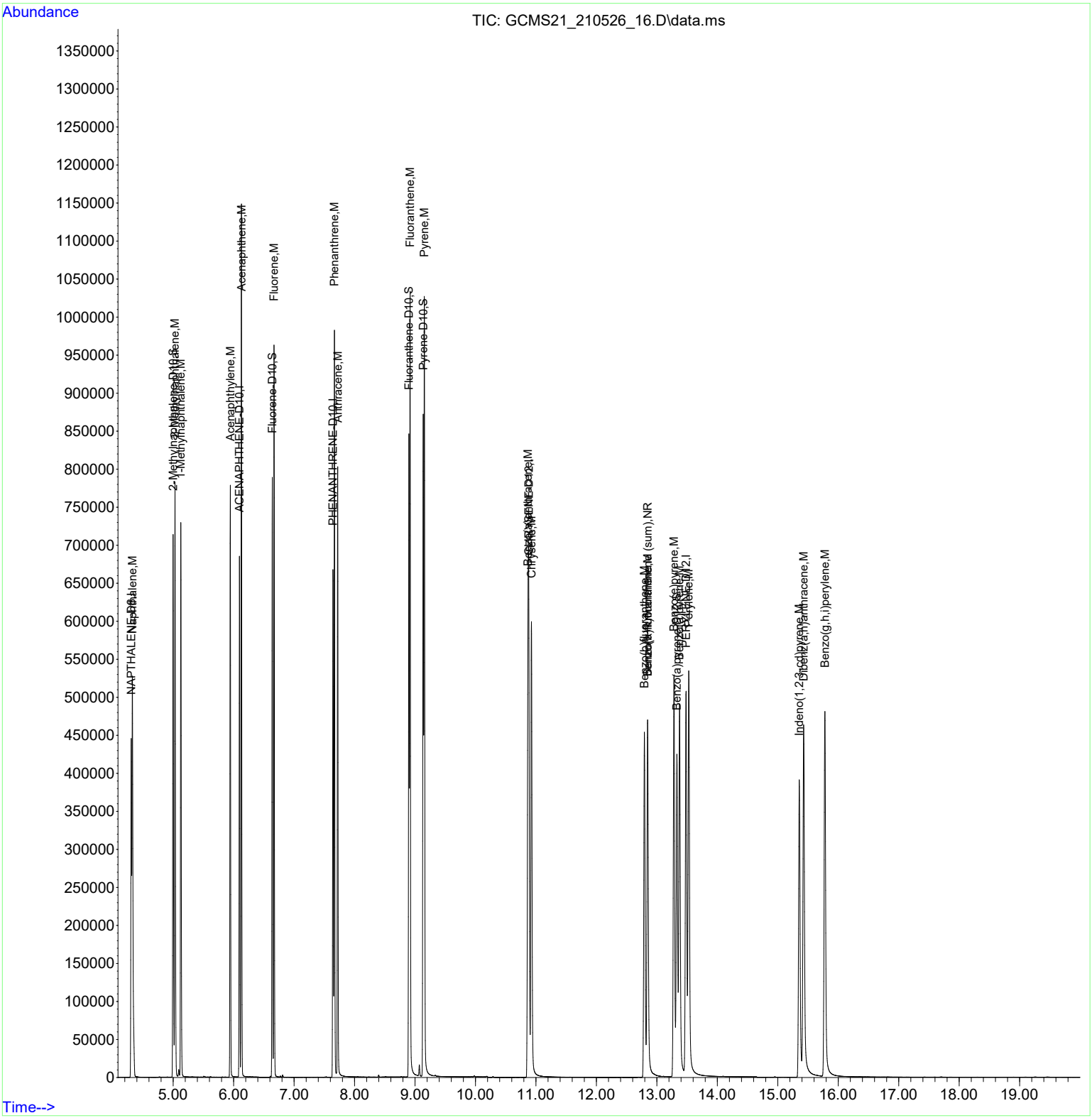
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.306	136	448172	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	256632	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	488337	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.883	240	513653	500.00	ng/mL	0.00
21) PERYLENE-D12	13.483	264	551655	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	287530	503.13	ng/mL	0.00
9) Fluorene-D10	6.639	176	301697	505.12	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	541121	496.01	ng/mL	0.00
17) Pyrene-D10	9.135	212	587142	501.13	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.331	264	472116	496.78	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.327	128	427856	497.37	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	303156	497.05	ng/mL	100
5) 1-Methylnaphthalene	5.127	142	275048	501.06	ng/mL	100
7) Acenaphthylene	5.946	152	408823	494.39	ng/mL	100
8) Acenaphthene	6.130	153	312583	498.64	ng/mL	100
10) Fluorene	6.668	166	357366	501.32	ng/mL	100
12) Phenanthrene	7.667	178	549822	502.87	ng/mL	100
13) Anthracene	7.722	178	486511	472.39	ng/mL	100
15) Fluoranthene	8.919	202	609126	492.89	ng/mL	100
18) Pyrene	9.156	202	652241	499.39	ng/mL	100
19) Benzo(a)anthracene	10.868	228	509568	493.01	ng/mL	100
20) Chrysene	10.925	228	590776	497.92	ng/mL	100
22) Benzo(b)fluoranthene	12.794	252	539199	496.42	ng/mL	100
23) Benzo(k)fluoranthene	12.847	252	603015	498.35	ng/mL	100
24) benzo(b+k)fluoranthene...	12.847	252	610975	528.75	ng/mL	98
25) Benzo(e)pyrene	13.285	252	562292	501.98	ng/mL	100
27) Benzo(a)pyrene	13.375	252	538062	495.83	ng/mL	99
28) Perylene	13.527	252	592587	503.21	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.355	276	454301	487.06	ng/mL	100
30) Dibenz(a,h)anthracene	15.427	278	489809	493.80	ng/mL	99
31) Benzo(g,h,i)perylene	15.779	276	575675	497.90	ng/mL	100

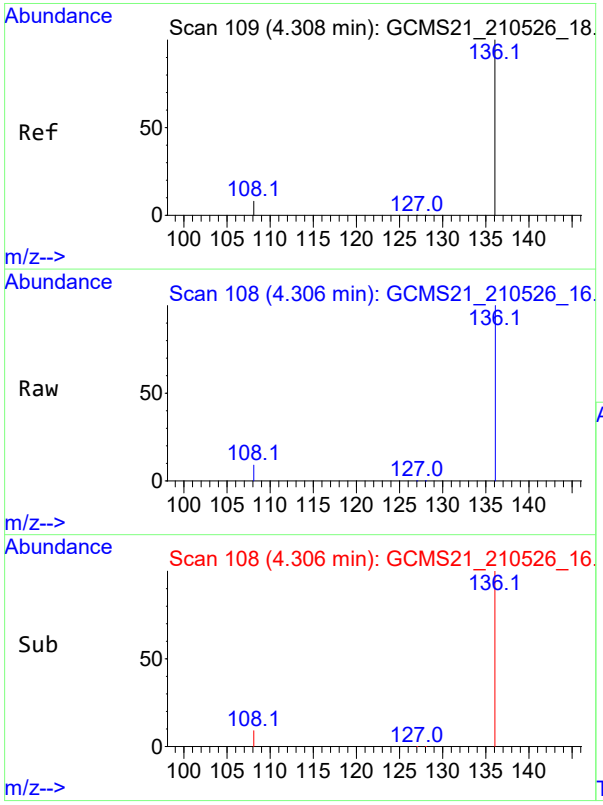
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_16.D
Acq On : 26 May 2021 17:12
Operator : MN GCMS21
Sample : CAL8_500ng/mL
Misc : LIMS 21B0108
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 02 11:55:36 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

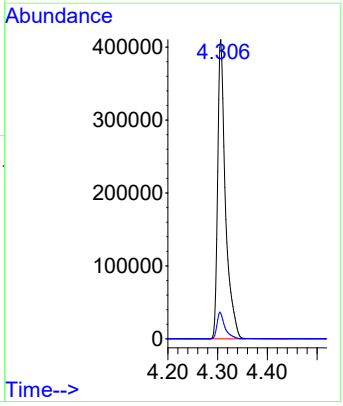


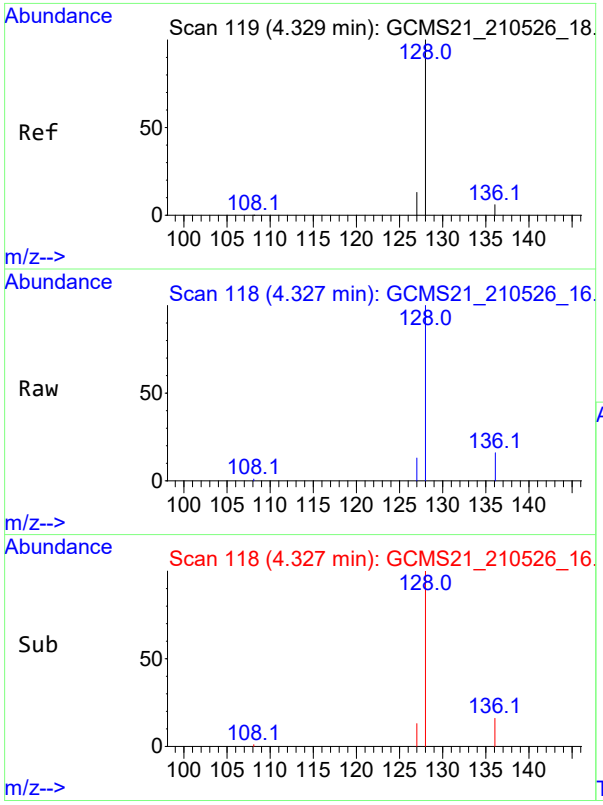


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:136 Resp: 448172

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	29.0

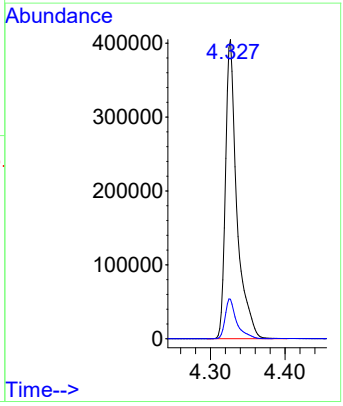


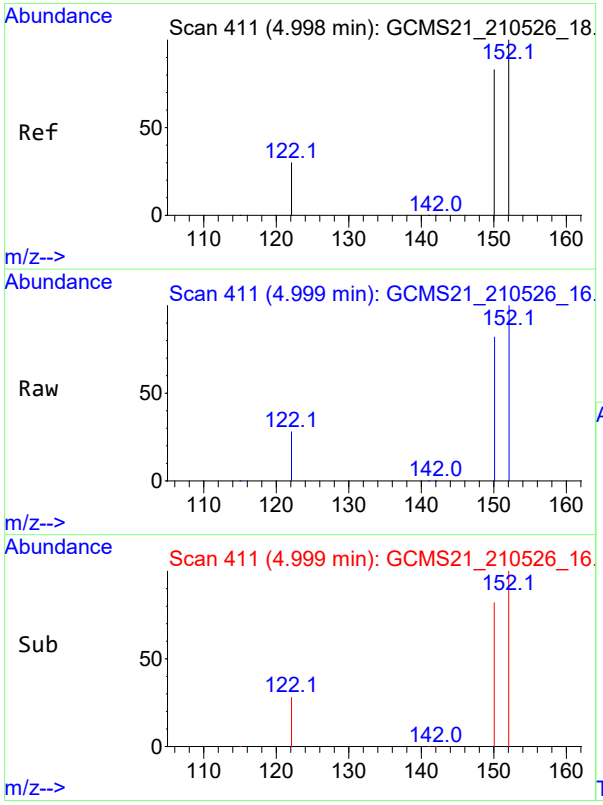


#2
Naphthalene
Concen: 497.37 ng/mL
RT: 4.327 min Scan# 118
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:128 Resp: 427856

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

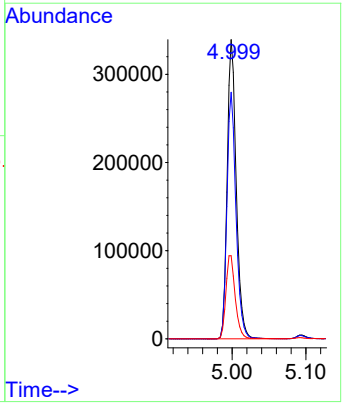


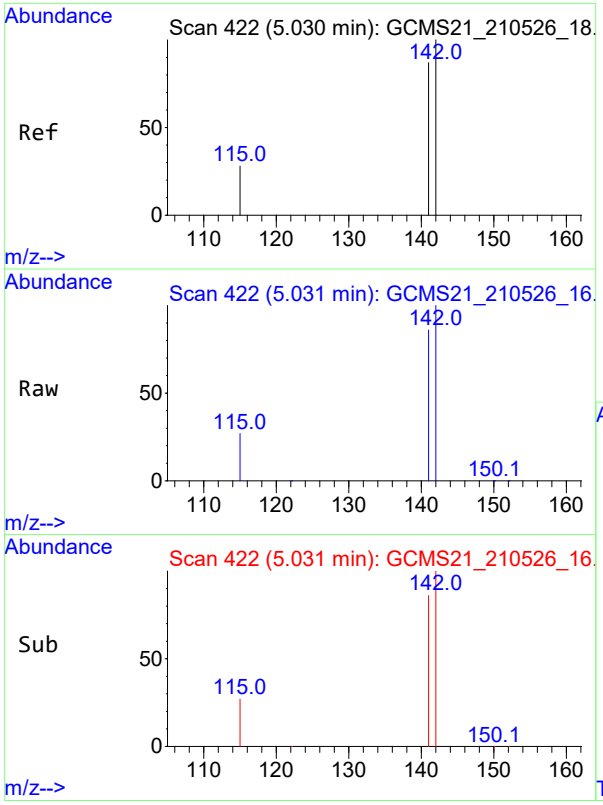


#3
2-Methylnaphthalene-D10
Concen: 503.13 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:152 Resp: 287530

Ion	Ratio	Lower	Upper
152	100		
150	82.5	57.5	106.7
122	28.8	20.1	37.3

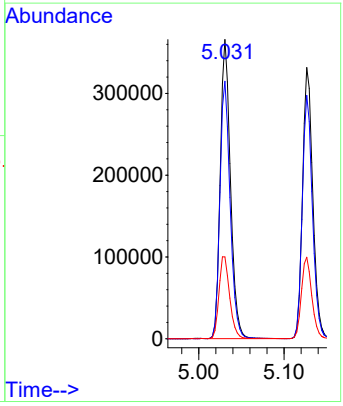


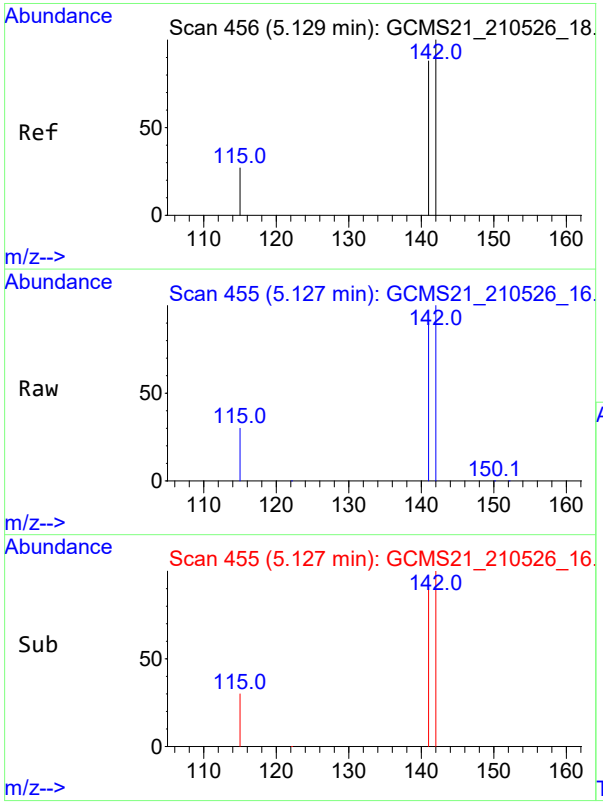


#4
2-Methylnaphthalene
Concen: 497.05 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:142 Resp: 303156

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.5	116.5
115	28.7	0.0	59.3

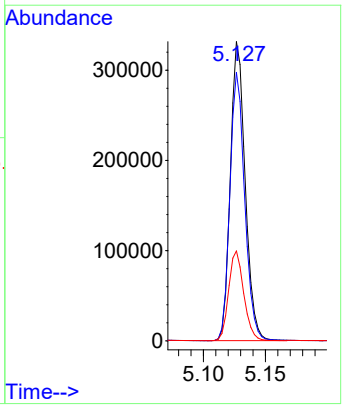


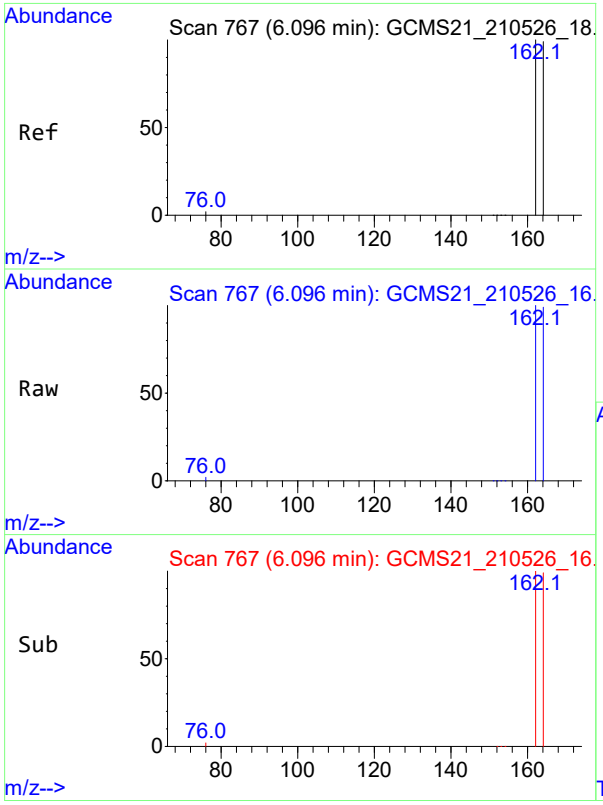


#5
1-Methylnaphthalene
Concen: 501.06 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:142 Resp: 275048

Ion	Ratio	Lower	Upper
142	100		
141	89.5	59.6	119.6
115	30.6	1.2	61.2

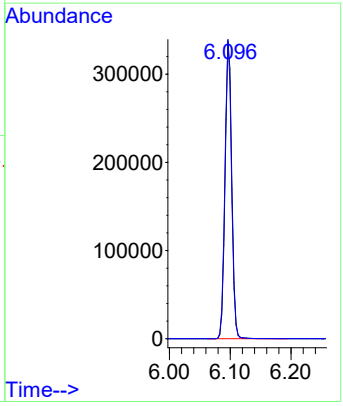


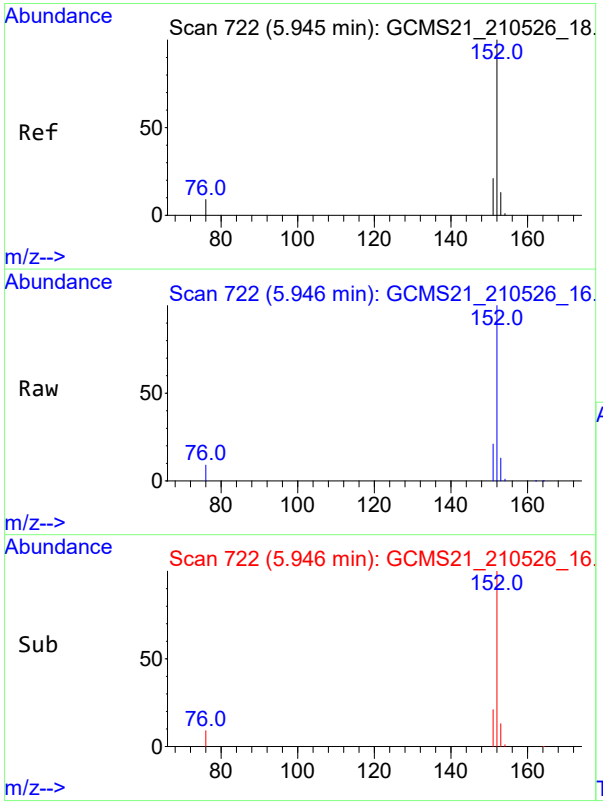


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:164 Resp: 256632

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.5	119.5

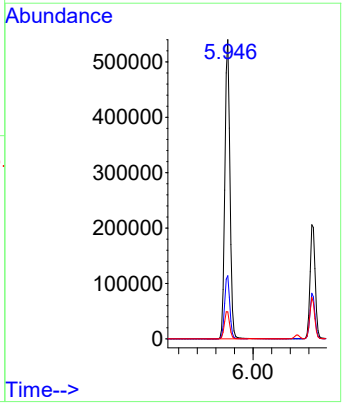


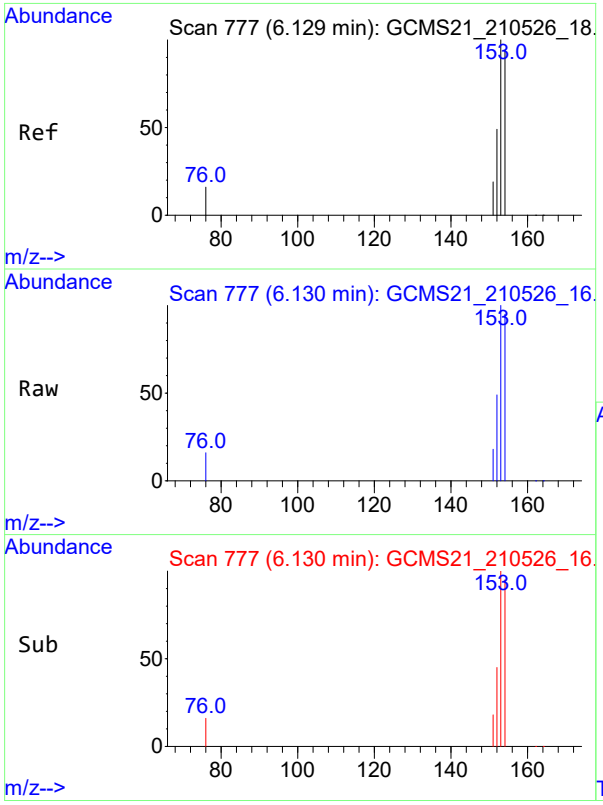


#7
Acenaphthylene
Concen: 494.39 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:152 Resp: 408823

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	51.5
76	9.4	0.0	39.5

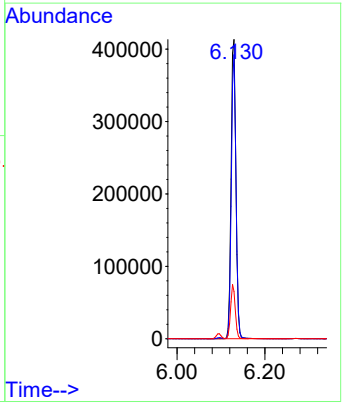


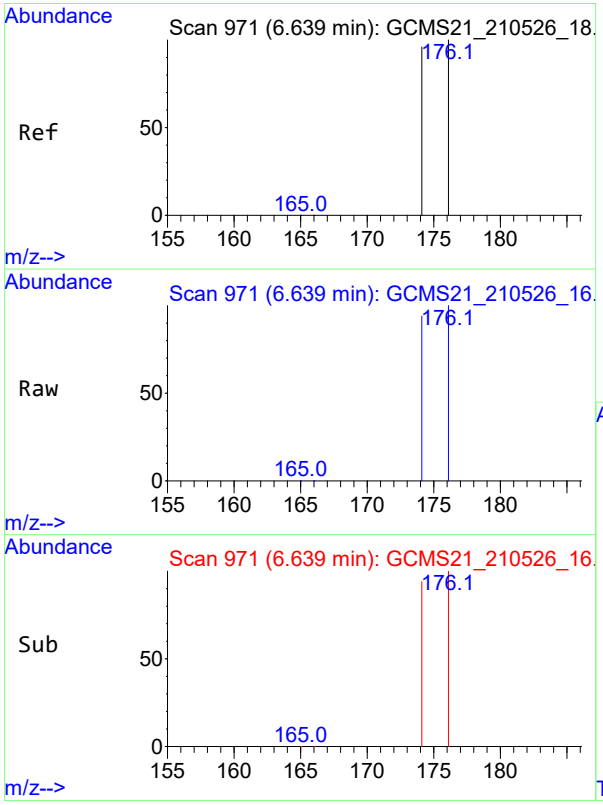


#8
Acenaphthene
Concen: 498.64 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:153 Resp: 312583

Ion	Ratio	Lower	Upper
153	100		
154	92.3	61.9	121.9
76	17.5	0.0	47.6

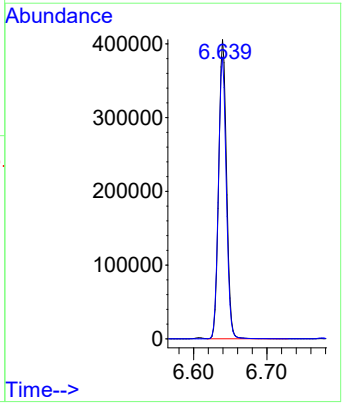


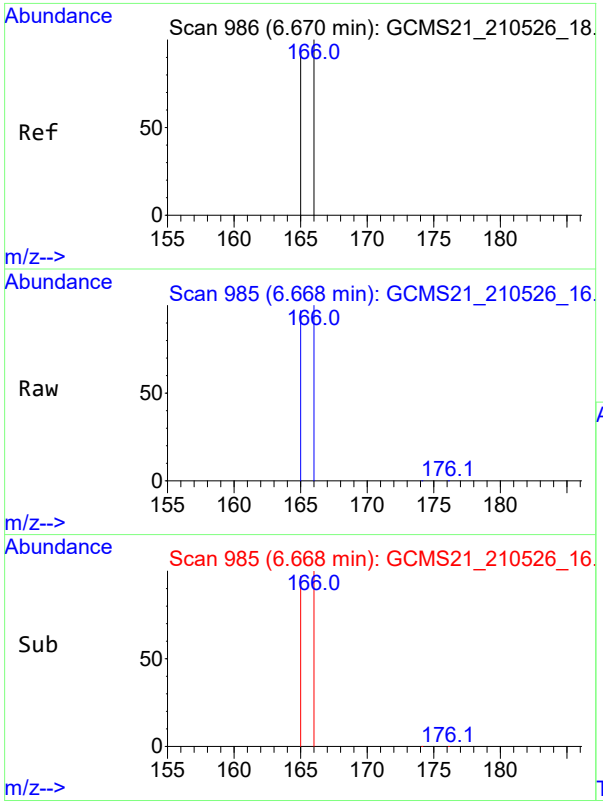


#9
Fluorene-D10
Concen: 505.12 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:176 Resp: 301697

Ion	Ratio	Lower	Upper
176	100		
174	94.4	66.0	122.6

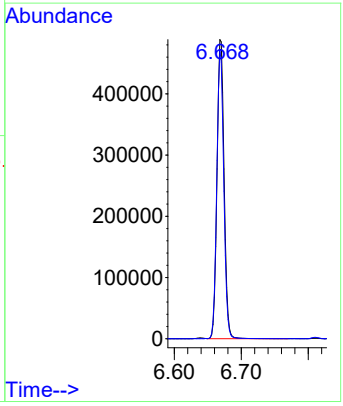


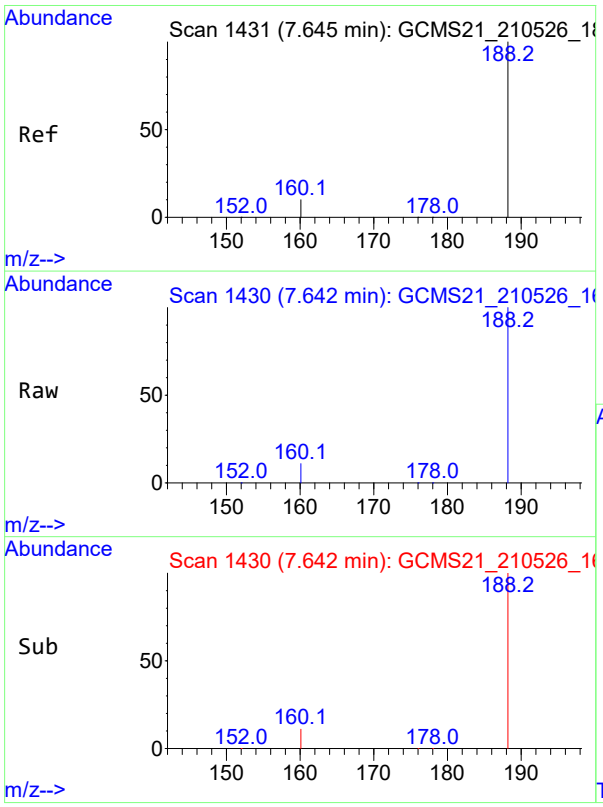


#10
Fluorene
Concen: 501.32 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:166 Resp: 357366

Ion	Ratio	Lower	Upper
166	100		
165	95.3	65.4	125.4

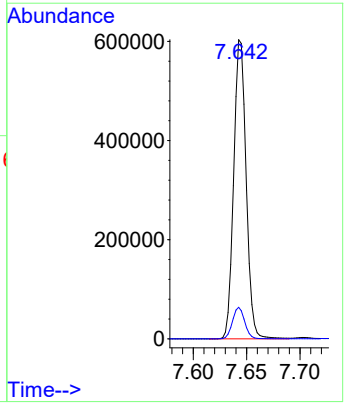


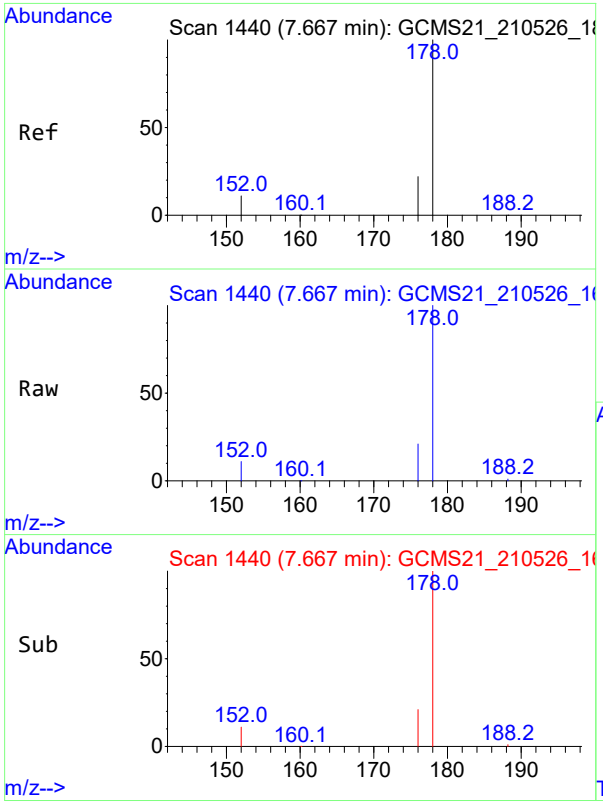


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:188 Resp: 488337

Ion	Ratio	Lower	Upper
188	100		
160	10.3	0.0	40.3

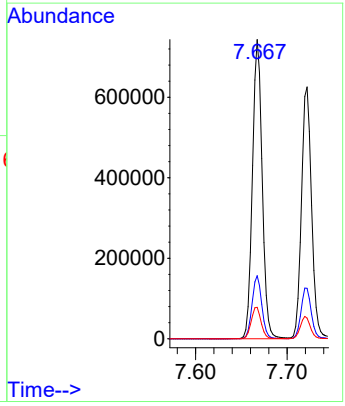


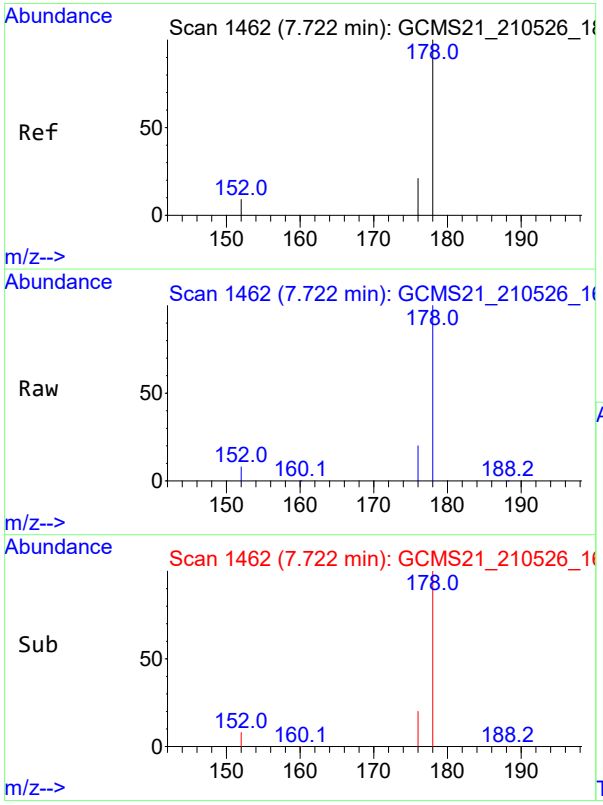


#12
Phenanthrene
Concen: 502.87 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:178 Resp: 549822

Ion	Ratio	Lower	Upper
178	100		
176	21.0	0.0	50.9
152	10.7	0.0	40.7

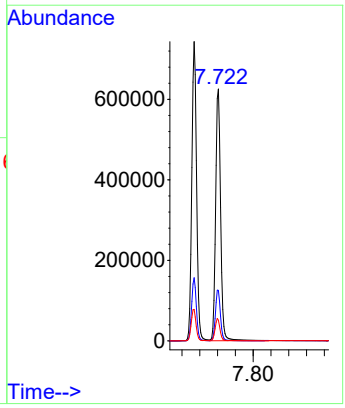


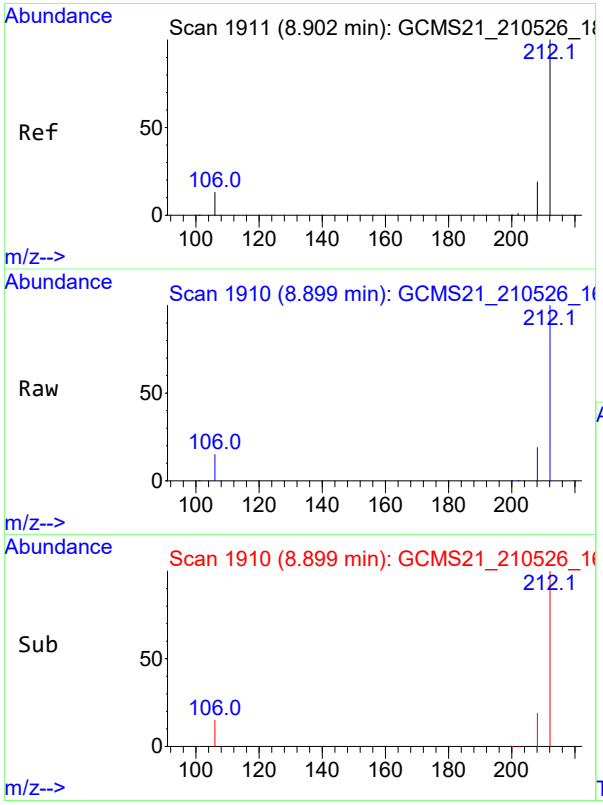


#13
Anthracene
Concen: 472.39 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:178 Resp: 486511

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.2
152	8.7	0.0	38.7

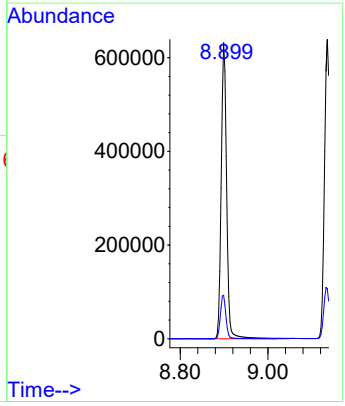


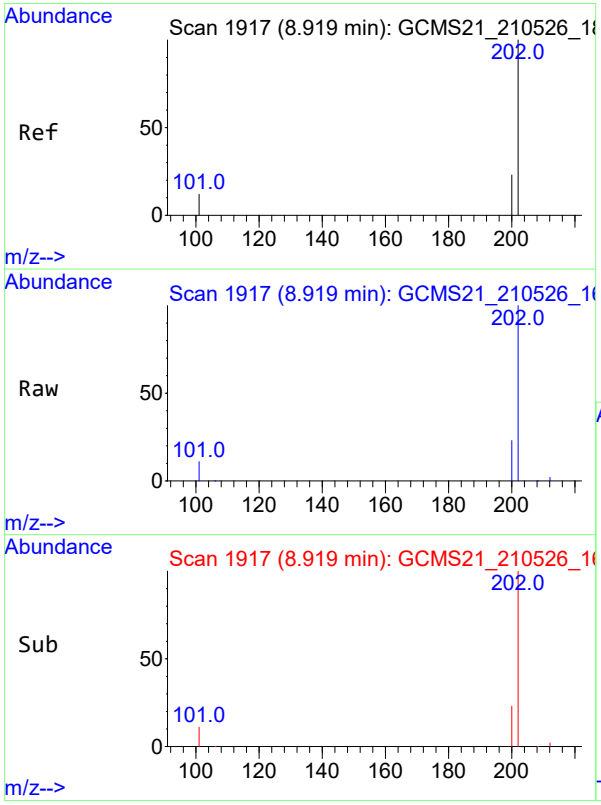


#14
Fluoranthene-D10
Concen: 496.01 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:212 Resp: 541121

Ion	Ratio	Lower	Upper
212	100		
106	15.1	10.6	19.6

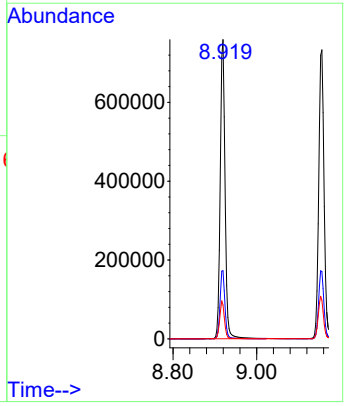


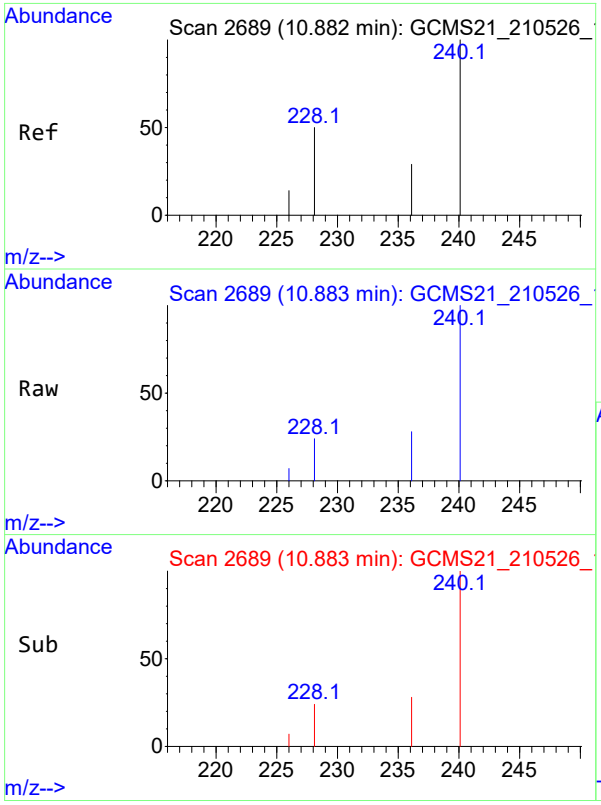


#15
Fluoranthene
Concen: 492.89 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:202 Resp: 609126

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.5	0.0	42.4

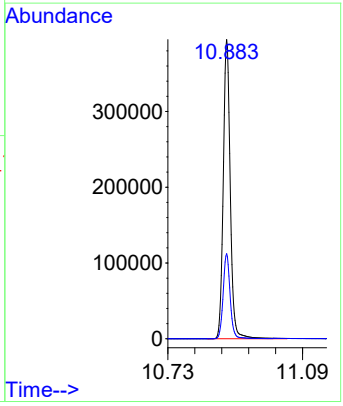


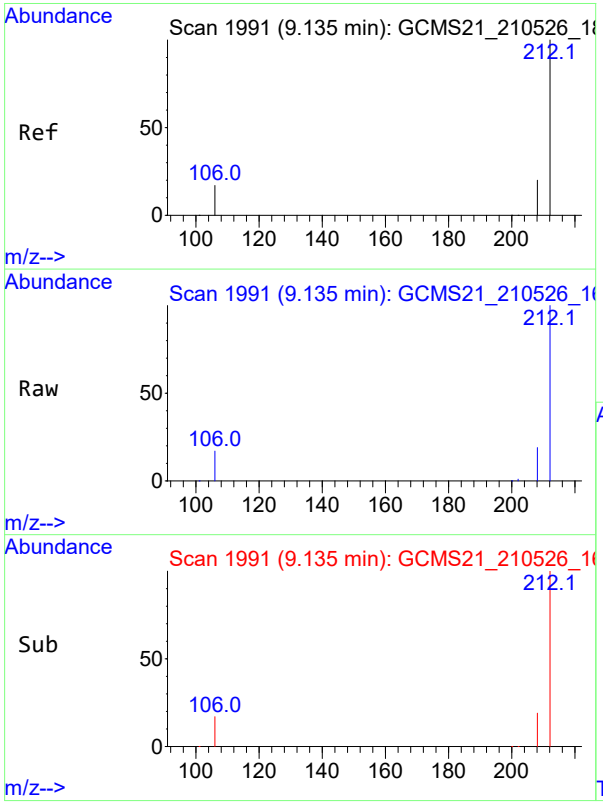


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.883 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:240 Resp: 513653

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

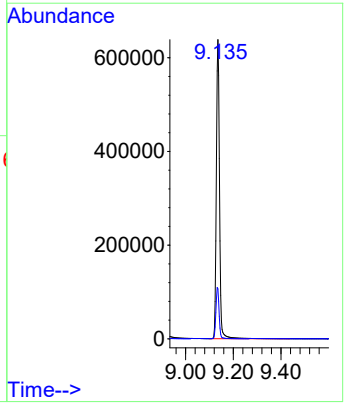


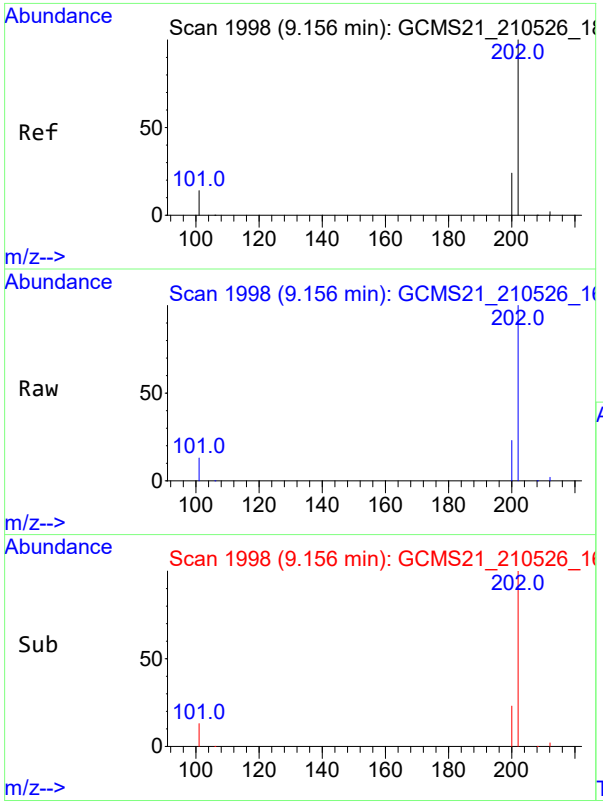


#17
Pyrene-D10
Concen: 501.13 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:212 Resp: 587142

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.2	22.6

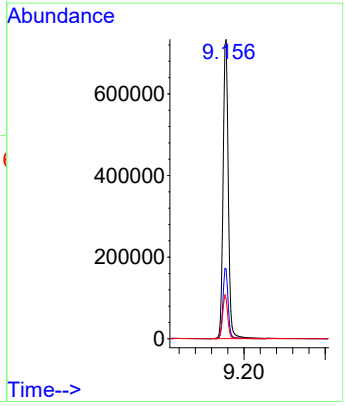


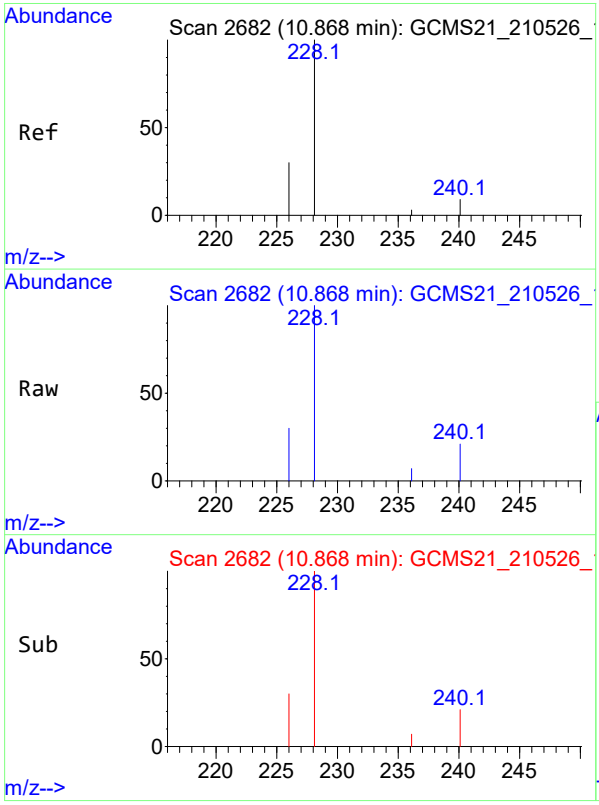


#18
Pyrene
Concen: 499.39 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:202 Resp: 652241

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.6
101	14.5	0.0	44.4

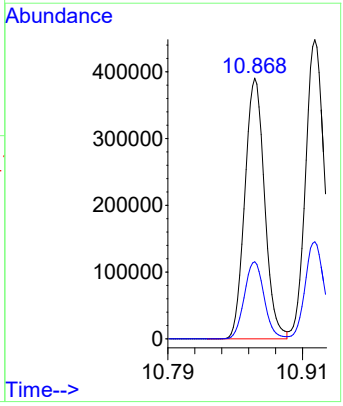


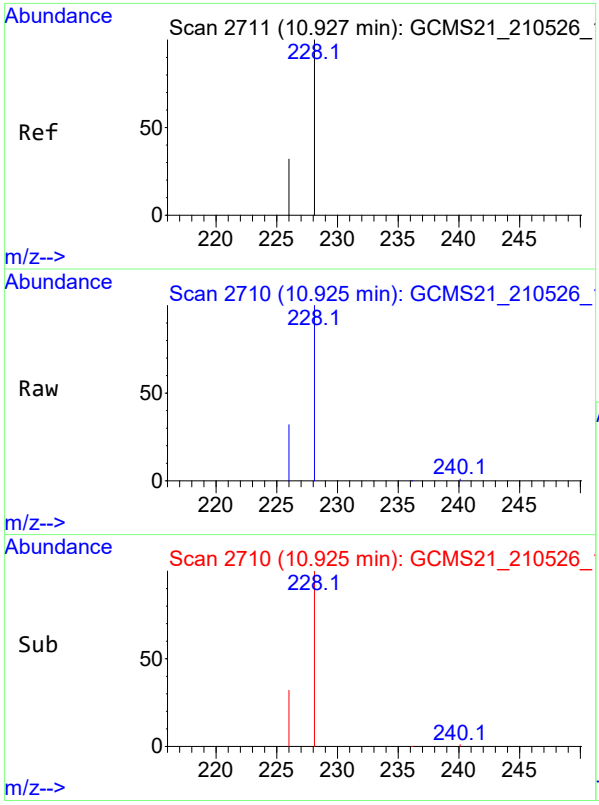


#19
Benzo(a)anthracene
Concen: 493.01 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:228 Resp: 509568

Ion	Ratio	Lower	Upper
228	100		
226	29.7	0.0	59.6

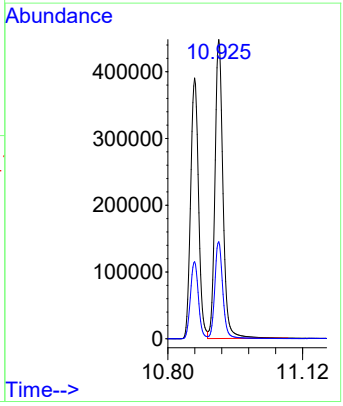


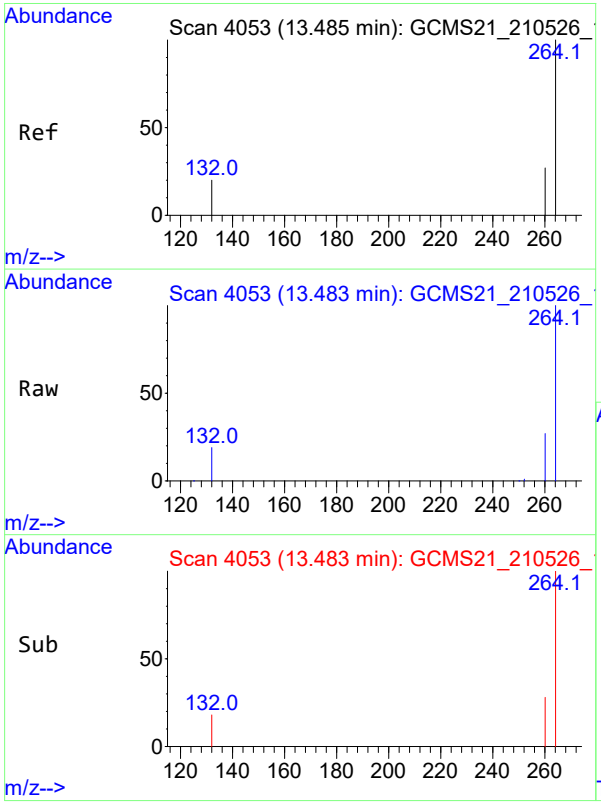


#20
Chrysene
Concen: 497.92 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:228 Resp: 590776

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.5	62.5

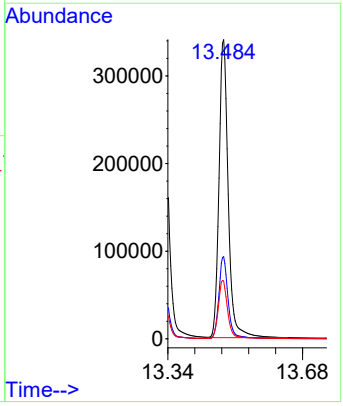


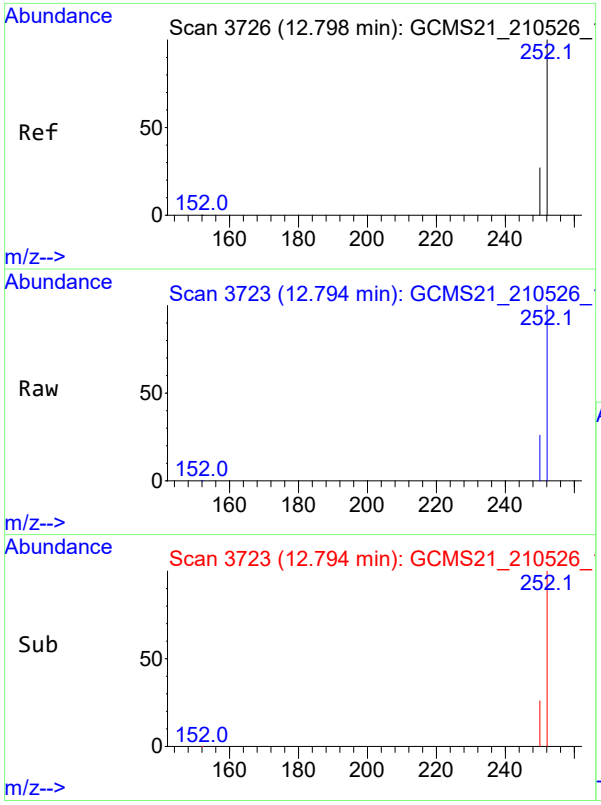


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.483 min Scan# 4053
Delta R.T. -0.001 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:264 Resp: 551655

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	19.7	0.0	49.9

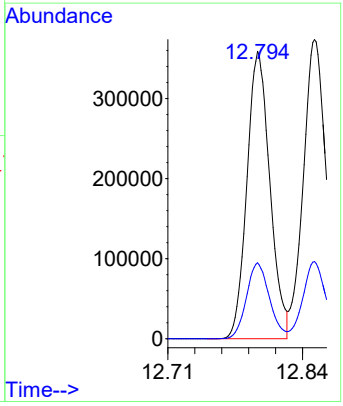


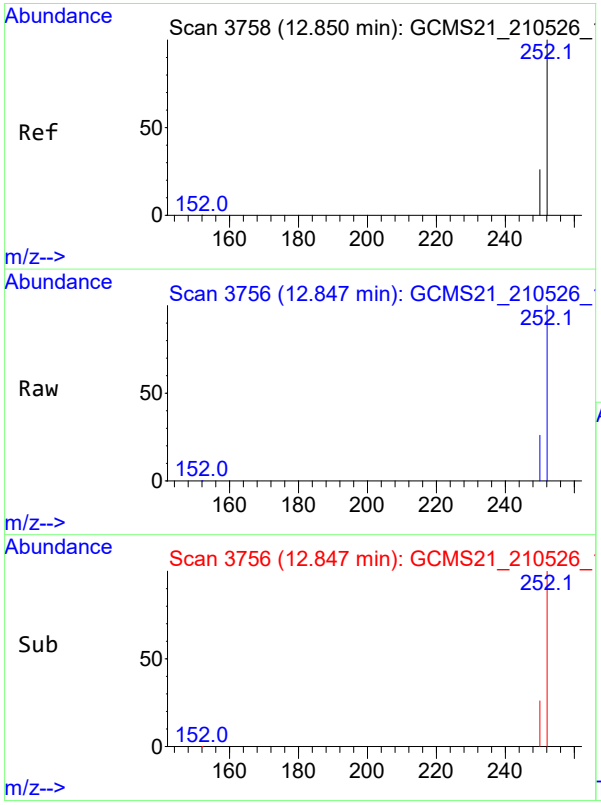


#22
Benzo(b)fluoranthene
Concen: 496.42 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. -0.001 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 539199

Ion	Ratio	Lower	Upper
252	100		
250	26.4	0.0	56.2

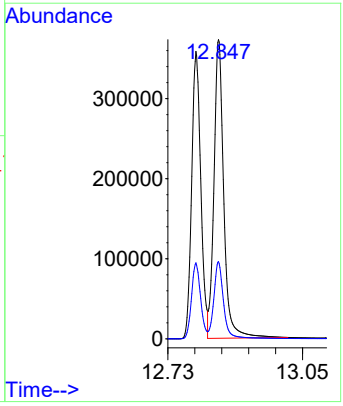


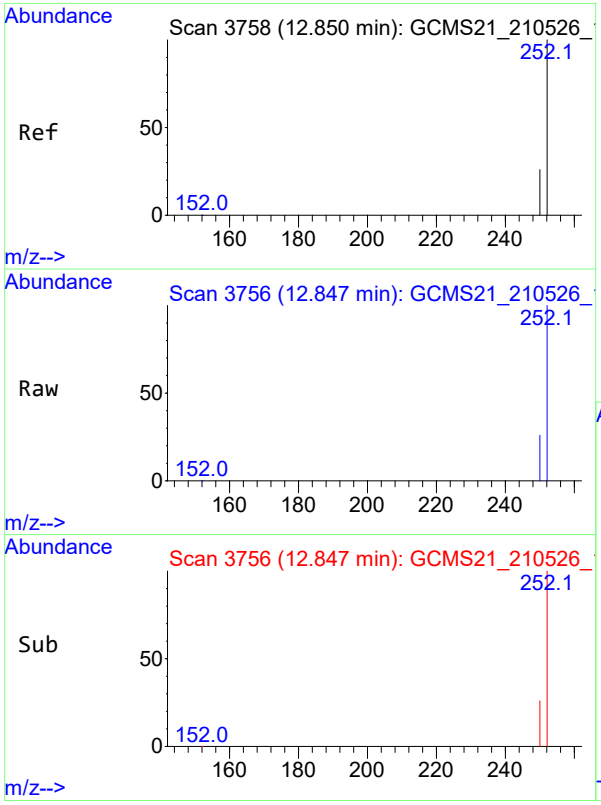


#23
Benzo(k)fluoranthene
Concen: 498.35 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 603015

Ion	Ratio	Lower	Upper
252	100		
250	25.6	0.0	55.4

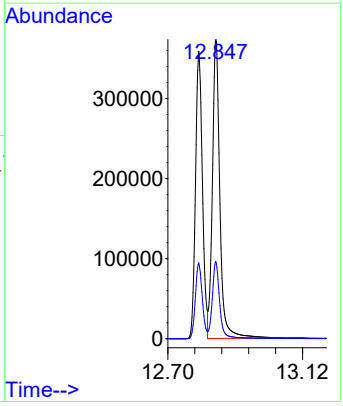


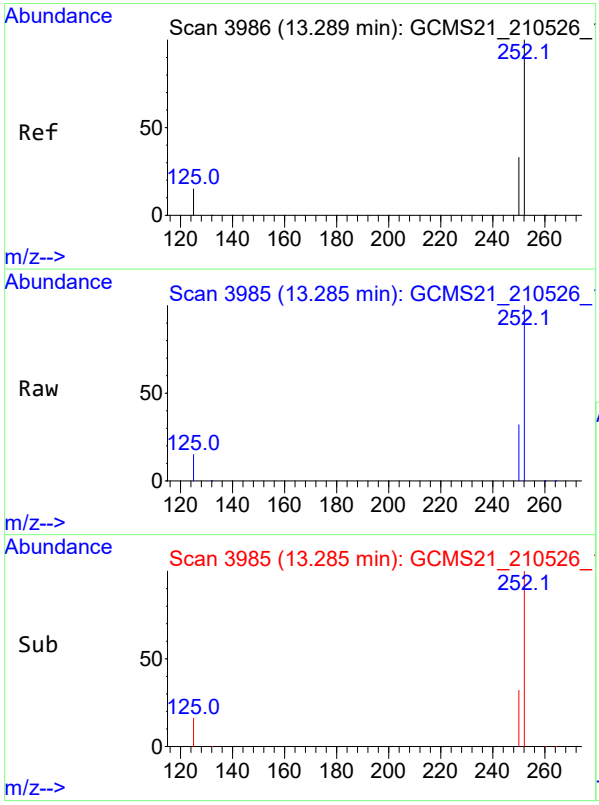


#24
benzo(b+k)fluoranthene (sum)
Concen: 528.75 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 610975

Ion	Ratio	Lower	Upper
252	100		
250	25.5	0.0	56.3

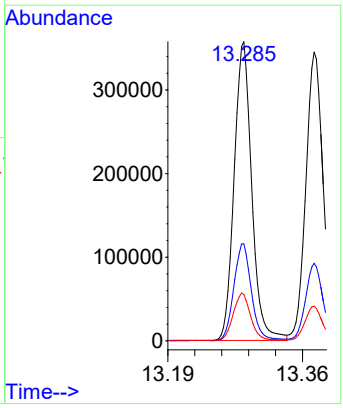


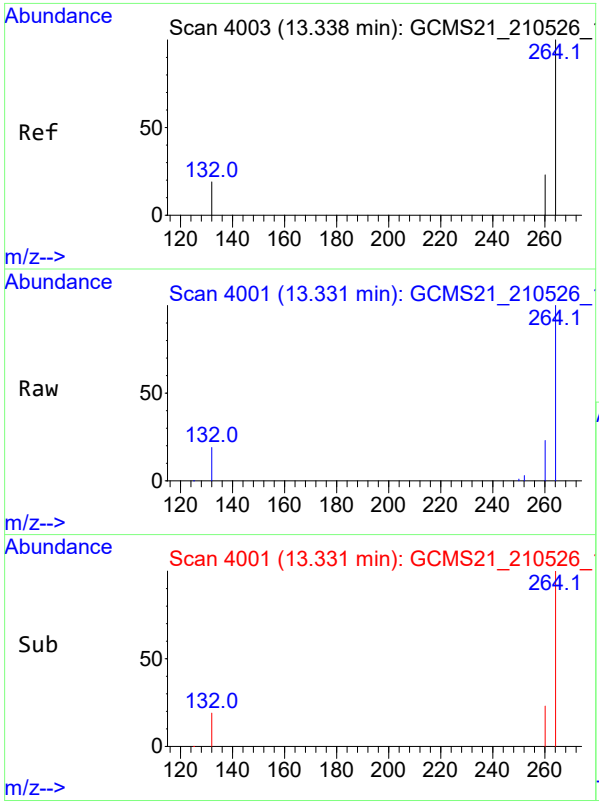


#25
Benzo(e)pyrene
Concen: 501.98 ng/mL
RT: 13.285 min Scan# 3985
Delta R.T. 0.002 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 562292

Ion	Ratio	Lower	Upper
252	100		
250	32.5	2.4	62.4
125	15.9	0.0	46.0

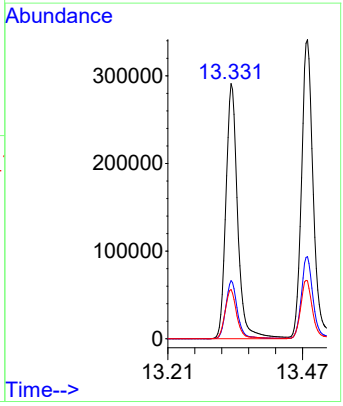


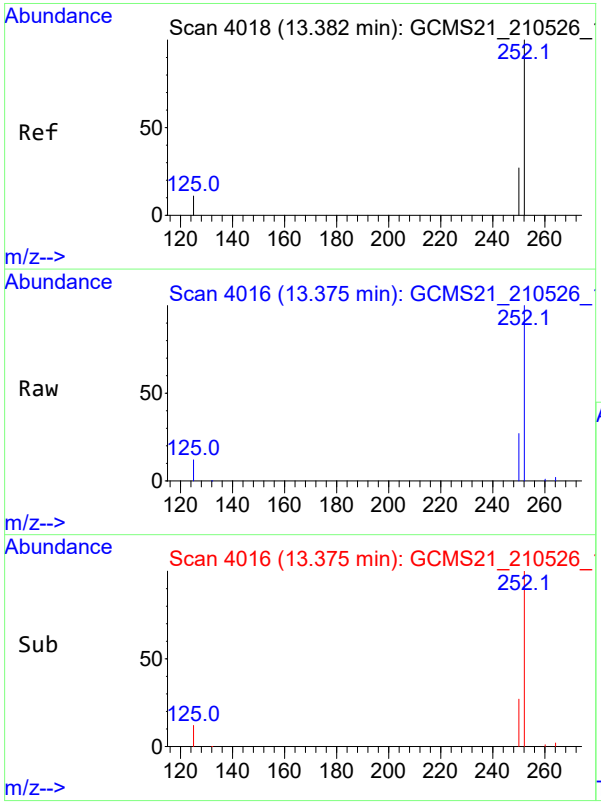


#26
Benzo(a)pyrene-D12
Concen: 496.78 ng/mL
RT: 13.331 min Scan# 4001
Delta R.T. 0.002 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:264 Resp: 472116

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	52.7
132	19.3	0.0	49.5

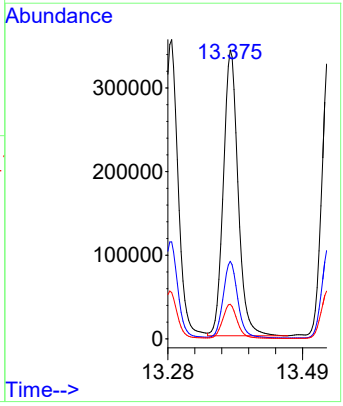


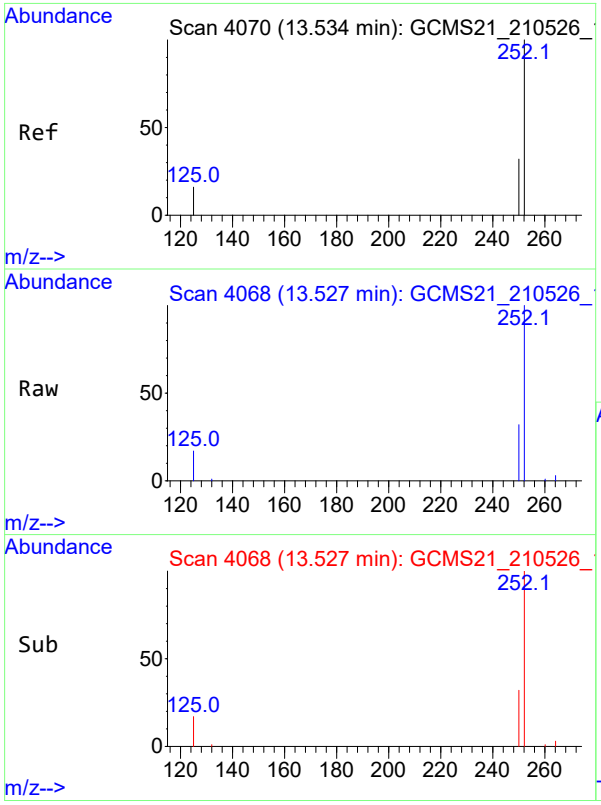


#27
Benzo(a)pyrene
Concen: 495.83 ng/mL
RT: 13.375 min Scan# 4016
Delta R.T. -0.001 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 538062

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	57.2
125	12.1	0.0	42.3

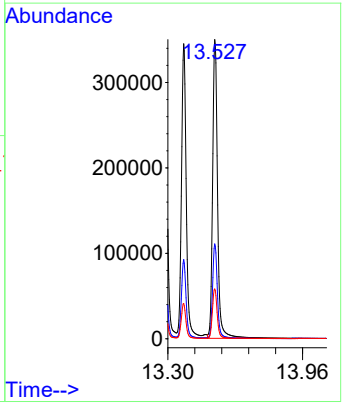


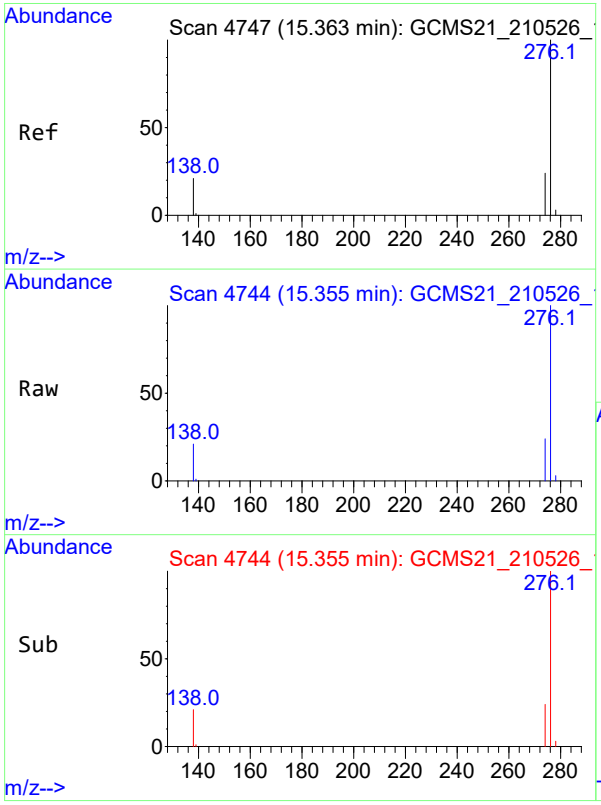


#28
Perylene
Concen: 503.21 ng/mL
RT: 13.527 min Scan# 4068
Delta R.T. -0.001 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:252 Resp: 592587

Ion	Ratio	Lower	Upper
252	100		
250	31.0	1.1	61.1
125	16.4	0.0	46.2

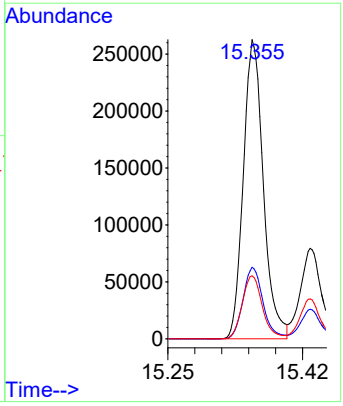


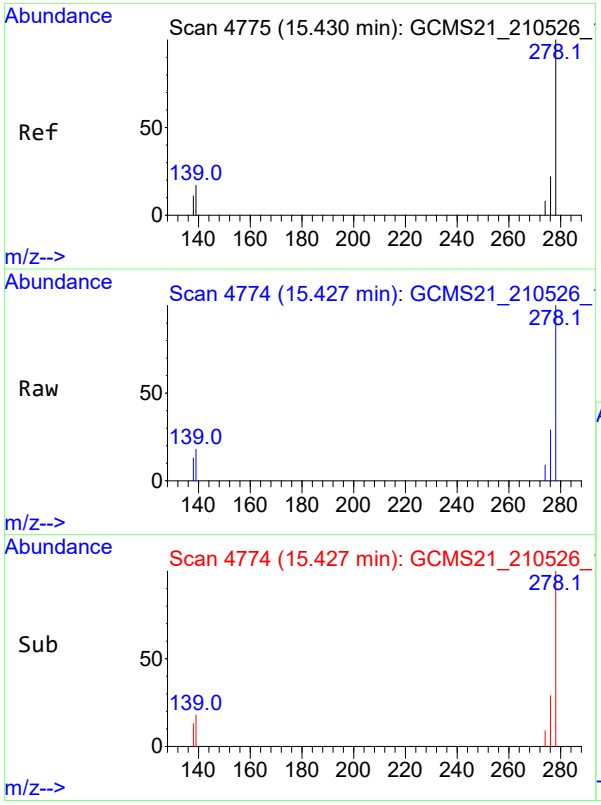


#29
Indeno(1,2,3-cd)pyrene
Concen: 487.06 ng/mL
RT: 15.355 min Scan# 4744
Delta R.T. -0.003 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:276 Resp: 454301

Ion	Ratio	Lower	Upper
276	100		
274	23.9	0.0	53.7
138	21.2	0.0	51.1

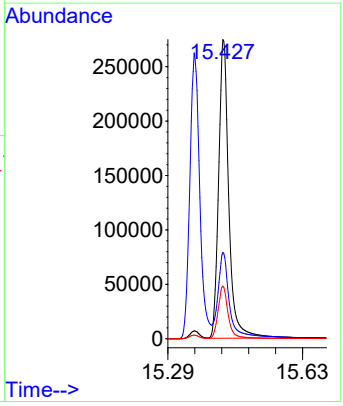


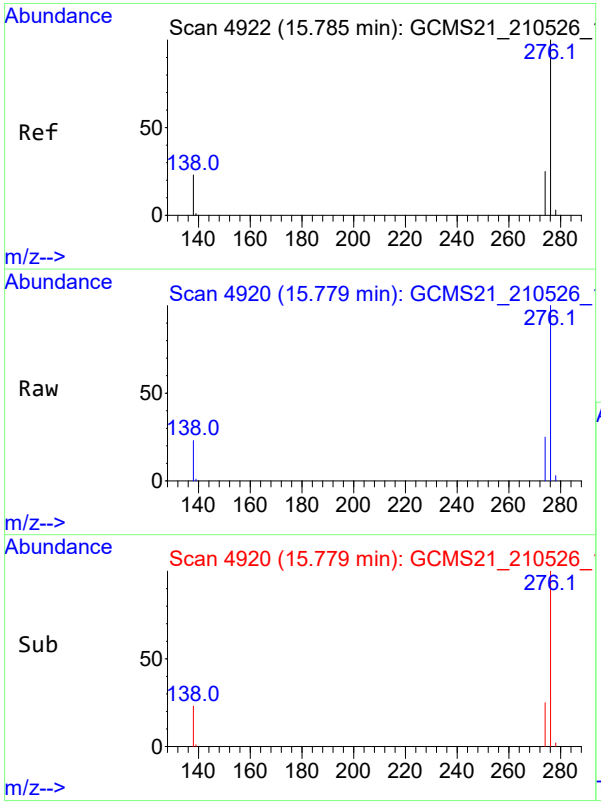


#30
Dibenz(a,h)anthracene
Concen: 493.80 ng/mL
RT: 15.427 min Scan# 4774
Delta R.T. -0.001 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:278 Resp: 489809

Ion	Ratio	Lower	Upper
278	100		
276	32.2	2.7	62.7
139	17.3	0.0	47.4

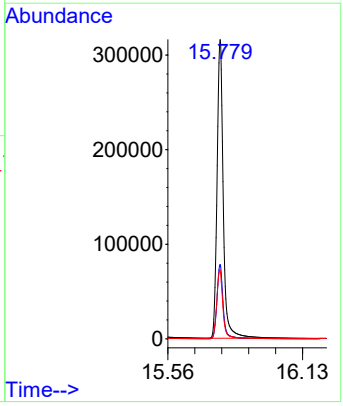




#31
Benzo(g,h,i)perylene
Concen: 497.90 ng/mL
RT: 15.779 min Scan# 4920
Delta R.T. 0.002 min
Lab File: GCMS21_210526_16.D
Acq: 26 May 2021 17:12

Tgt Ion:276 Resp: 575675

Ion	Ratio	Lower	Upper
276	100		
274	24.7	0.0	54.7
138	22.8	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_17.D
Acq On : 26 May 2021 17:37
Operator : MN GCMS21
Sample : CAL9_750ng/mL
Misc : LIMS 21B0109
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 02 11:55:58 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

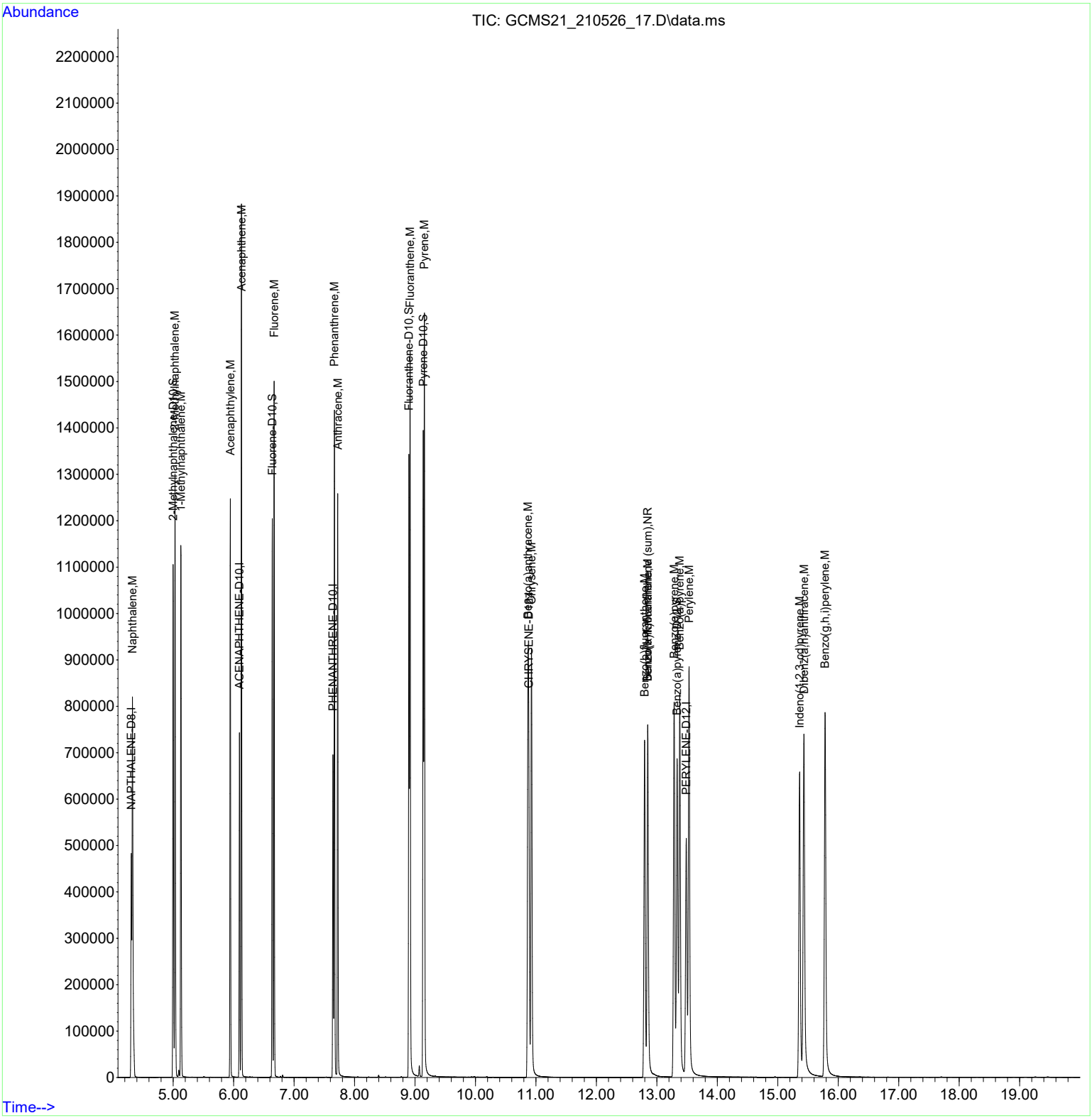
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.308	136	468239	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	269118	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	500554	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	535892	500.00	ng/mL	0.00
21) PERYLENE-D12	13.486	264	588262	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	447653	749.75	ng/mL	0.00
9) Fluorene-D10	6.639	176	465570	743.32	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	839283	750.53	ng/mL	0.00
17) Pyrene-D10	9.135	212	909485	744.04	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.334	264	771013	760.80	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.326	128	667056	742.21	ng/mL	100
4) 2-Methylnaphthalene	5.030	142	478818	751.41	ng/mL	99
5) 1-Methylnaphthalene	5.129	142	431606	752.57	ng/mL	99
7) Acenaphthylene	5.945	152	645395	744.27	ng/mL	100
8) Acenaphthene	6.129	153	488084	742.49	ng/mL	99
10) Fluorene	6.670	166	559244	748.12	ng/mL	100
12) Phenanthrene	7.667	178	840431	752.22	ng/mL	100
13) Anthracene	7.721	178	757494	717.56	ng/mL	100
15) Fluoranthene	8.919	202	948307	748.61	ng/mL	100
18) Pyrene	9.156	202	1016120	745.72	ng/mL	100
19) Benzo(a)anthracene	10.868	228	798344	740.35	ng/mL	100
20) Chrysene	10.925	228	913495	737.96	ng/mL	100
22) Benzo(b)fluoranthene	12.797	252	846661	730.98	ng/mL	99
23) Benzo(k)fluoranthene	12.849	252	954472	739.72	ng/mL	99
24) benzo(b+k)fluoranthene...	12.849	252	1820775m	1477.68	ng/mL	
25) Benzo(e)pyrene	13.287	252	887787	743.24	ng/mL	100
27) Benzo(a)pyrene	13.378	252	878532	759.19	ng/mL	100
28) Perylene	13.533	252	934251	743.97	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.362	276	751577	755.62	ng/mL	100
30) Dibenz(a,h)anthracene	15.434	278	807637	763.55	ng/mL	99
31) Benzo(g,h,i)perylene	15.781	276	926659	751.59	ng/mL	100

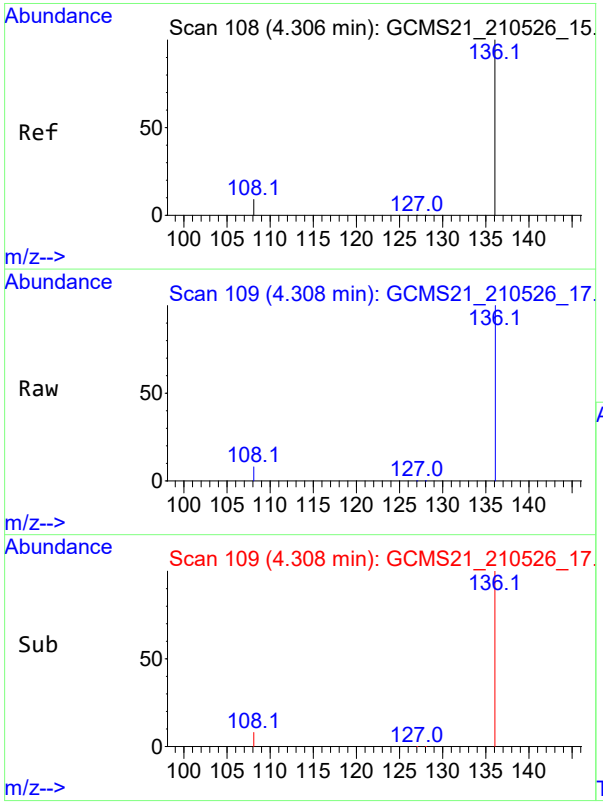
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_17.D
Acq On : 26 May 2021 17:37
Operator : MN GCMS21
Sample : CAL9_750ng/mL
Misc : LIMS 21B0109
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 02 11:55:58 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

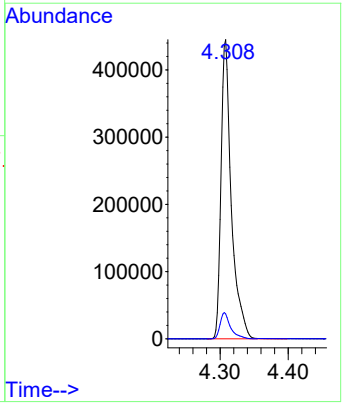


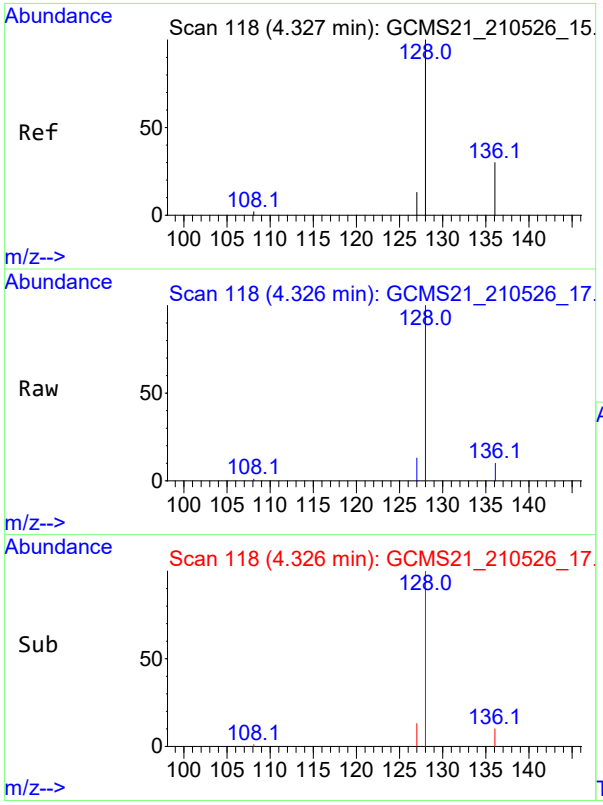


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.308 min Scan# 109
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:136 Resp: 468239

Ion	Ratio	Lower	Upper
136	100		
108	8.8	0.0	29.0

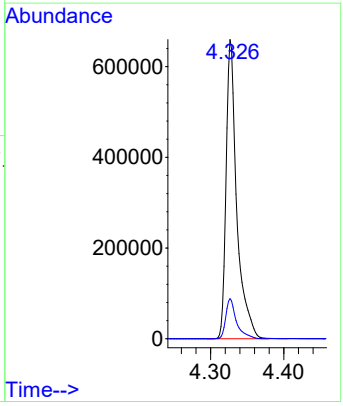


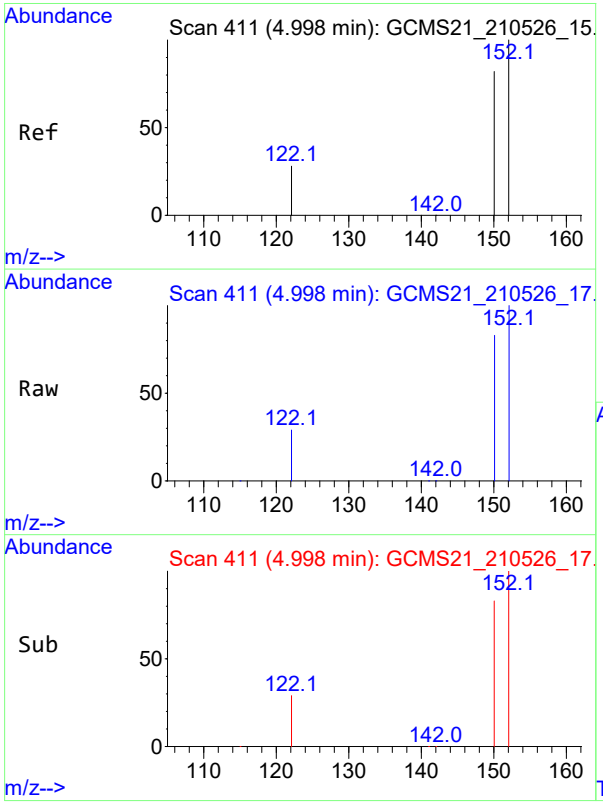


#2
Naphthalene
Concen: 742.21 ng/mL
RT: 4.326 min Scan# 118
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:128 Resp: 667056

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

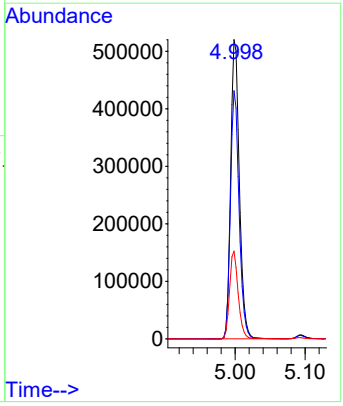


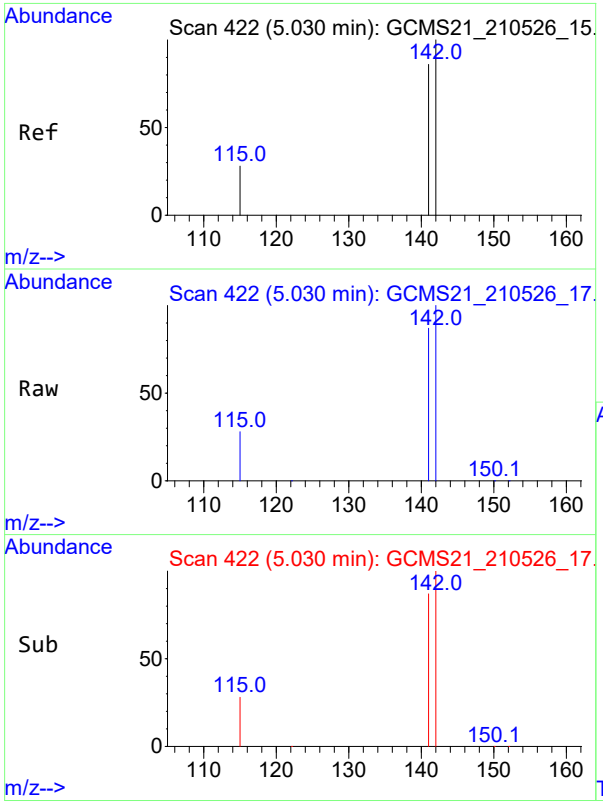


#3
2-Methylnaphthalene-D10
Concen: 749.75 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:152 Resp: 447653

Ion	Ratio	Lower	Upper
152	100		
150	82.5	57.5	106.7
122	29.0	20.1	37.3

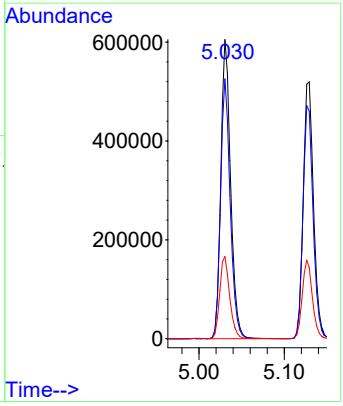


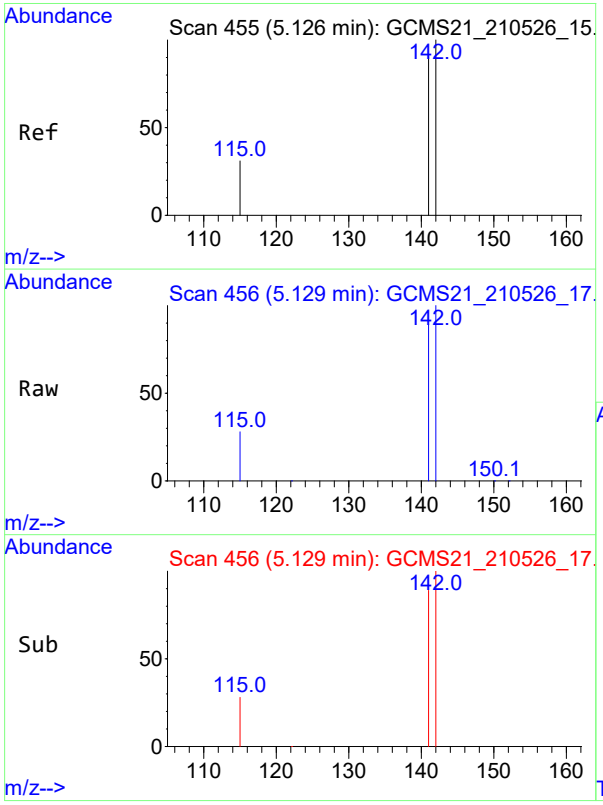


#4
2-Methylnaphthalene
Concen: 751.41 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:142 Resp: 478818

Ion	Ratio	Lower	Upper
142	100		
141	86.2	56.5	116.5
115	28.2	0.0	59.3

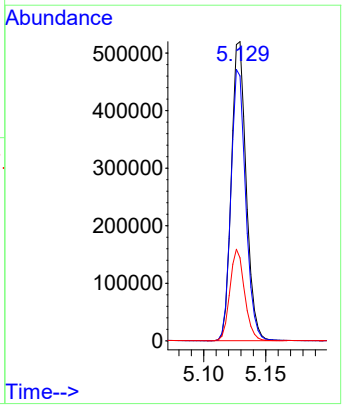


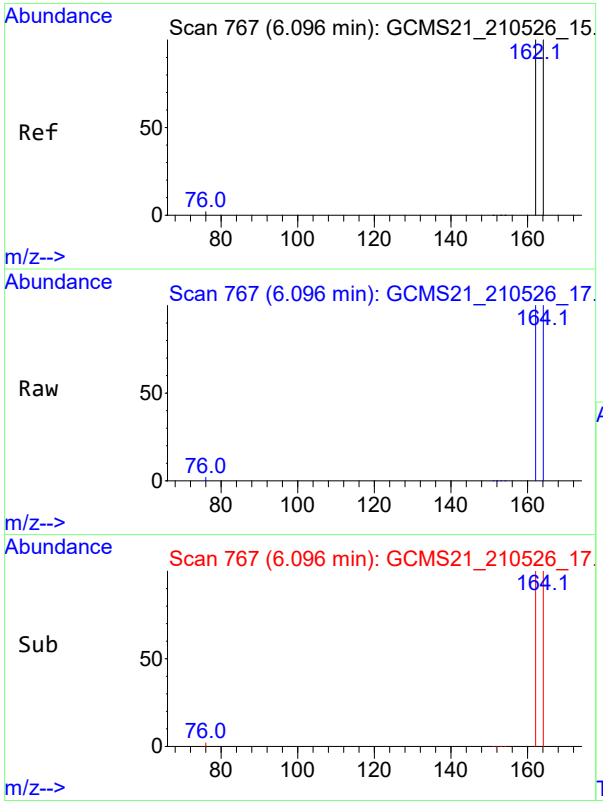


#5
1-Methylnaphthalene
Concen: 752.57 ng/mL
RT: 5.129 min Scan# 456
Delta R.T. 0.003 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:142 Resp: 431606

Ion	Ratio	Lower	Upper
142	100		
141	89.9	59.6	119.6
115	30.3	1.2	61.2

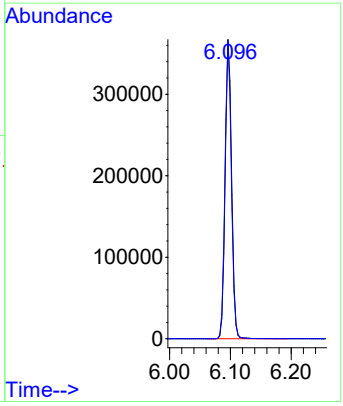


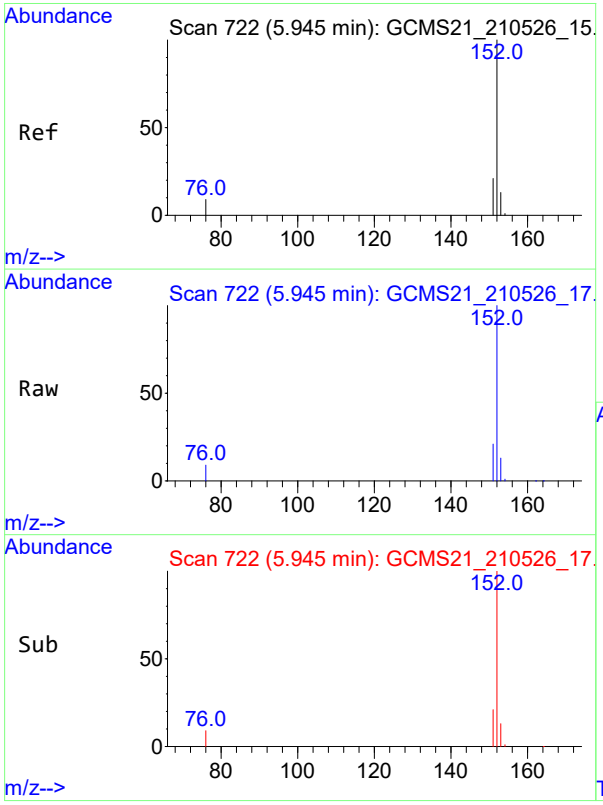


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:164 Resp: 269118

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.5	119.5

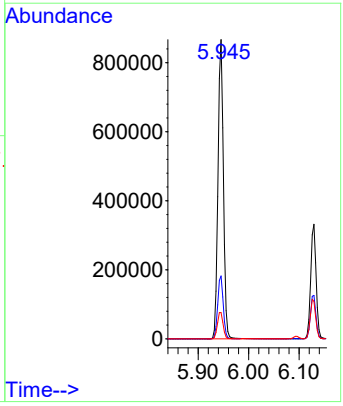


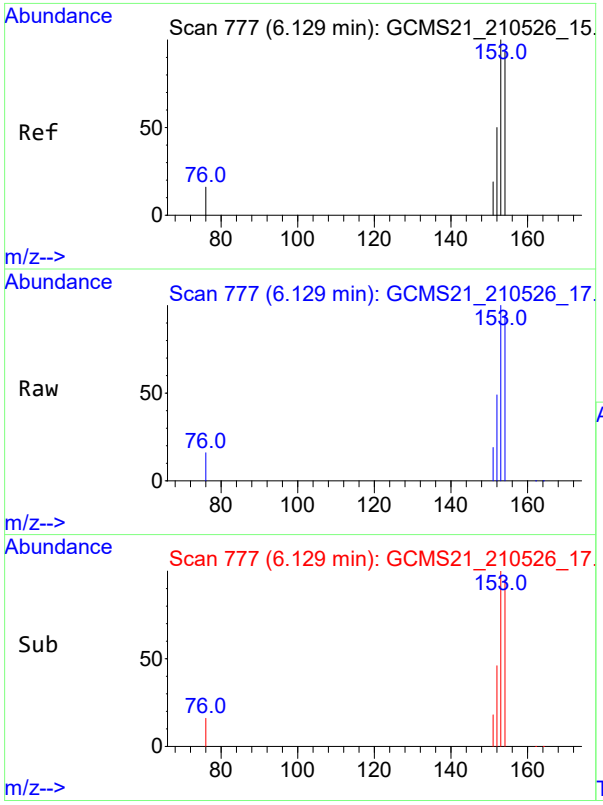


#7
Acenaphthylene
Concen: 744.27 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:152 Resp: 645395

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	51.5
76	9.4	0.0	39.5

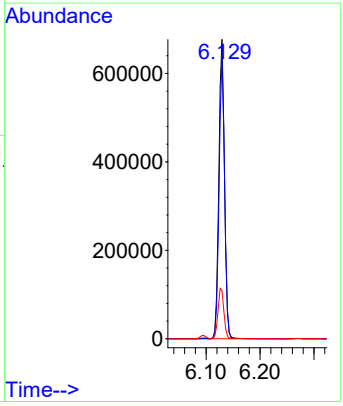


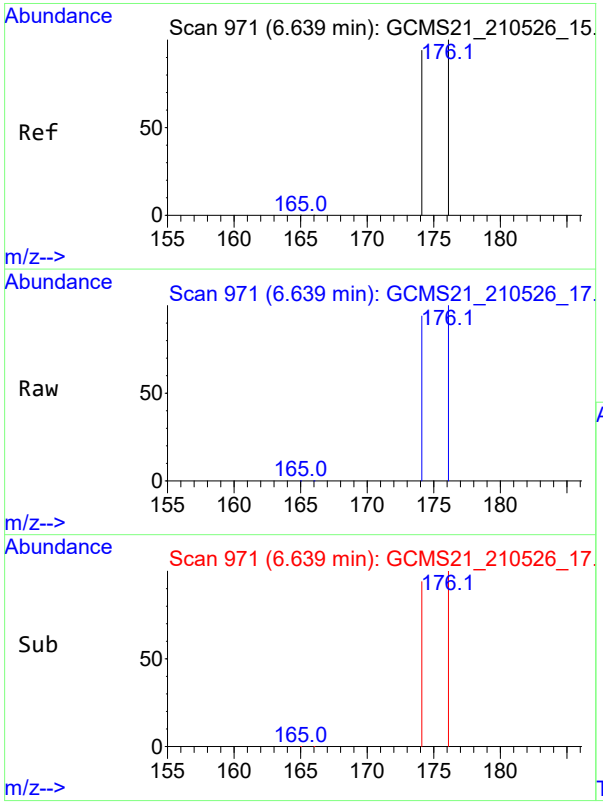


#8
Acenaphthene
Concen: 742.49 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:153 Resp: 488084

Ion	Ratio	Lower	Upper
153	100		
154	92.7	61.9	121.9
76	17.6	0.0	47.6

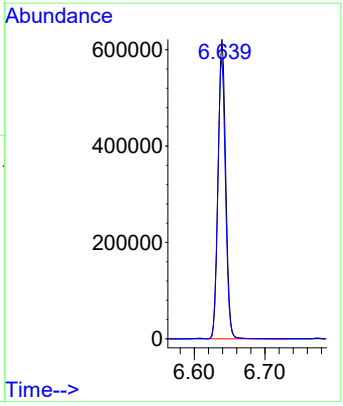


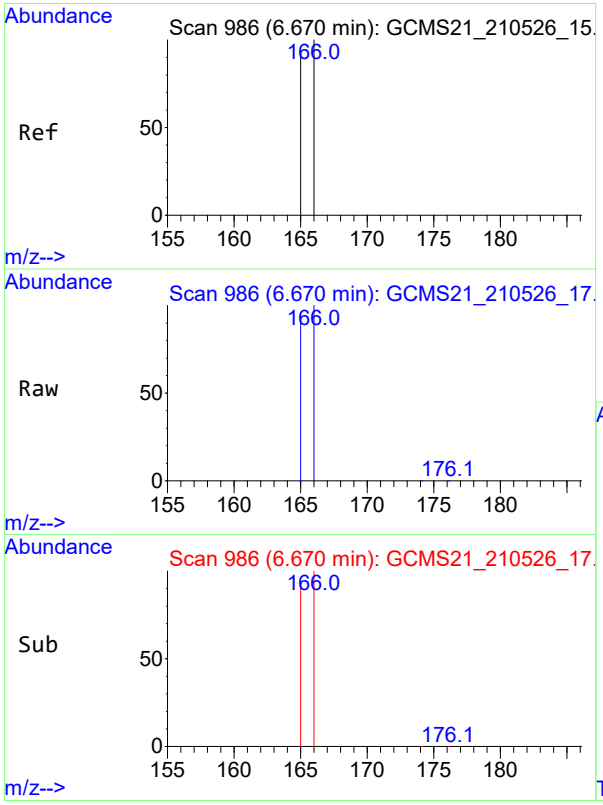


#9
Fluorene-D10
Concen: 743.32 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:176 Resp: 465570

Ion	Ratio	Lower	Upper
176	100		
174	94.5	66.0	122.6

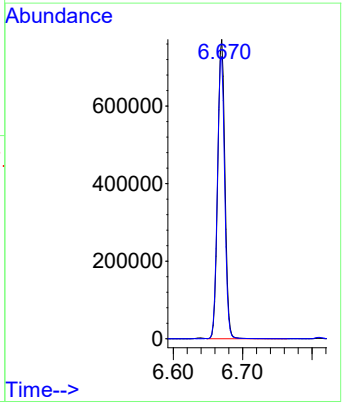


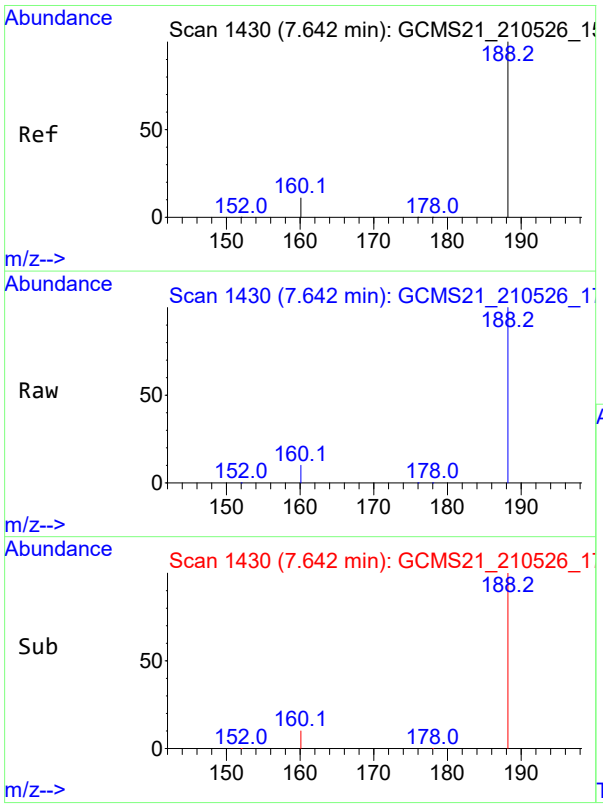


#10
Fluorene
Concen: 748.12 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:166 Resp: 559244

Ion	Ratio	Lower	Upper
166	100		
165	95.3	65.4	125.4

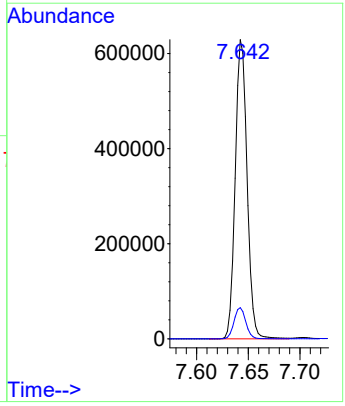


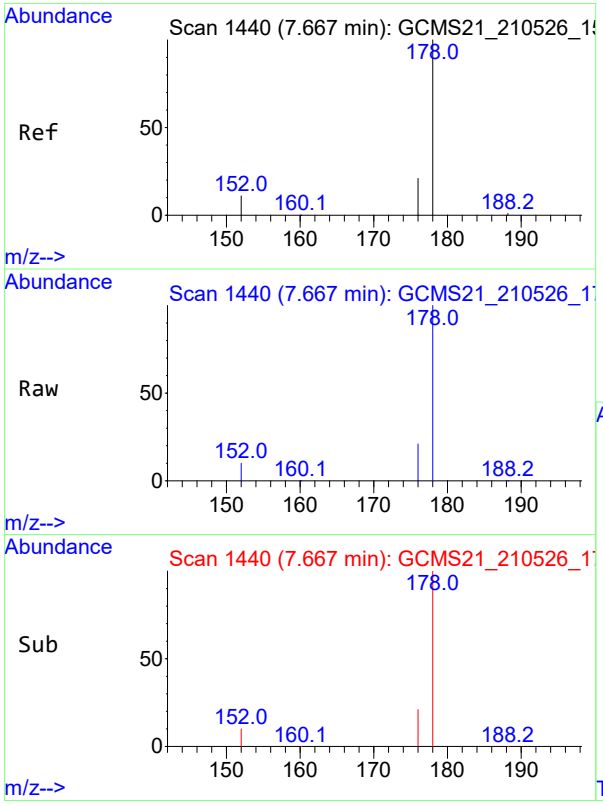


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:188 Resp: 500554

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

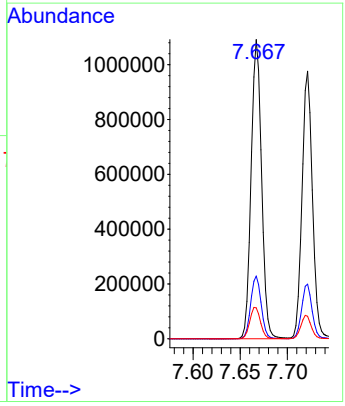


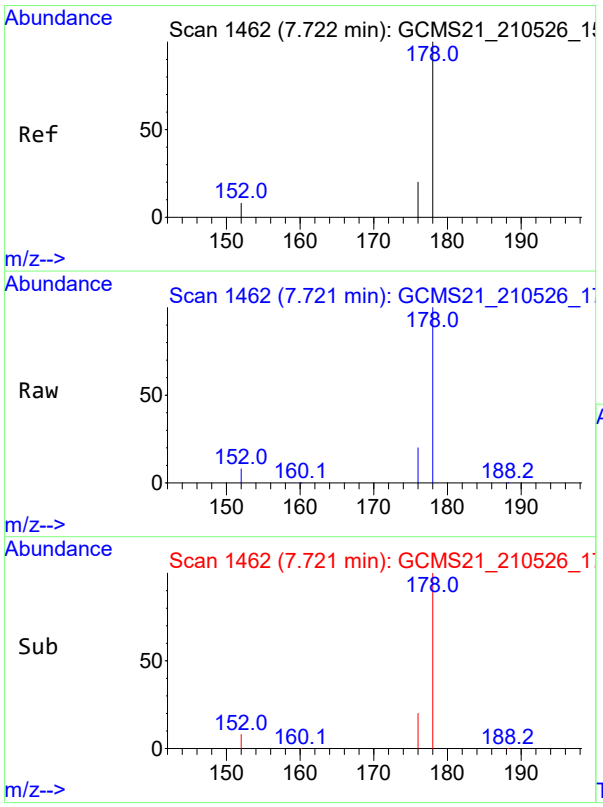


#12
Phenanthrene
Concen: 752.22 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:178 Resp: 840431

Ion	Ratio	Lower	Upper
178	100		
176	21.1	0.0	50.9
152	10.7	0.0	40.7

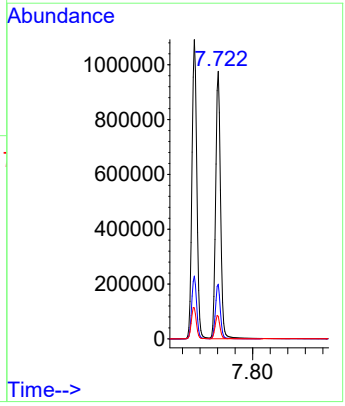


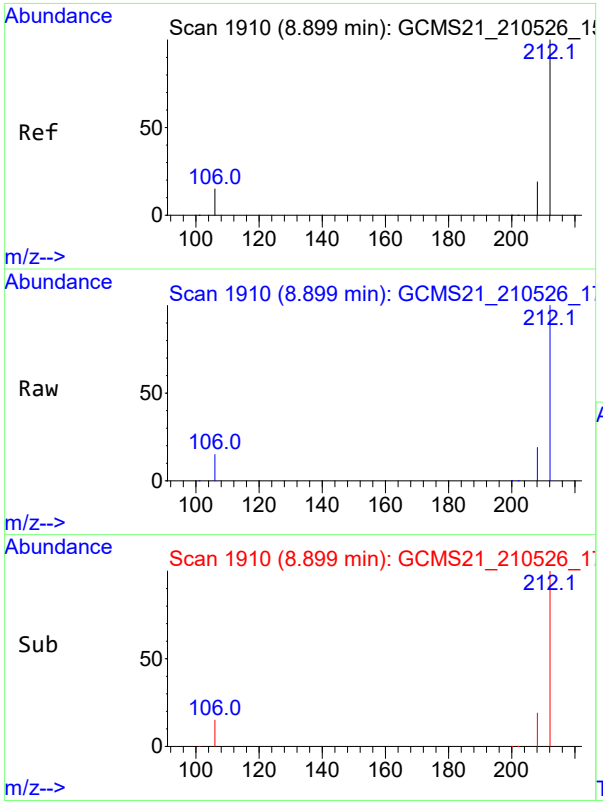


#13
Anthracene
Concen: 717.56 ng/mL
RT: 7.721 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:178 Resp: 757494

Ion	Ratio	Lower	Upper
178	100		
176	20.4	0.0	50.2
152	8.7	0.0	38.7

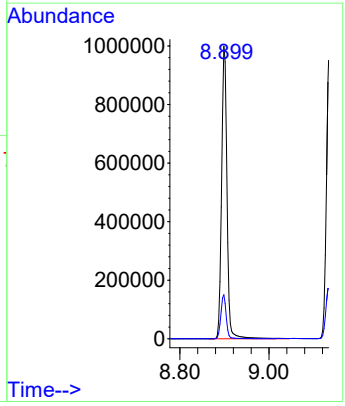


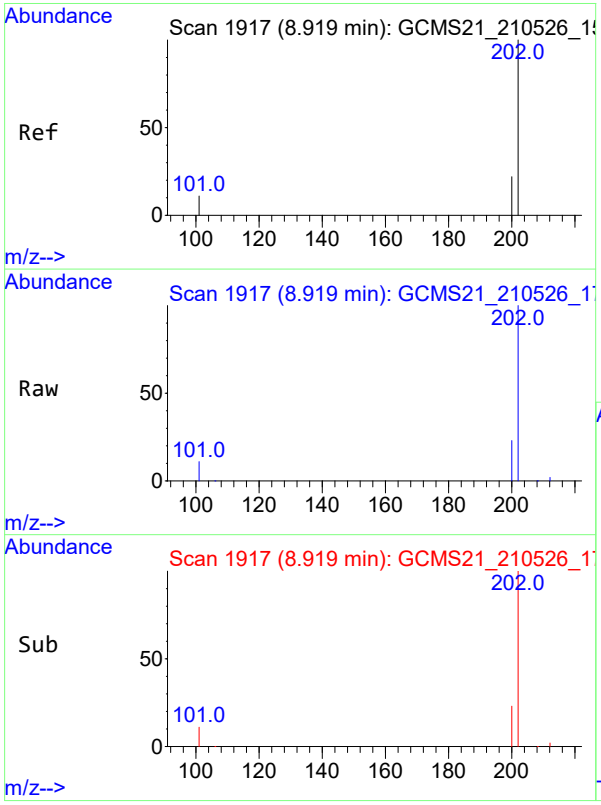


#14
Fluoranthene-D10
Concen: 750.53 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:212 Resp: 839283

Ion	Ratio	Lower	Upper
212	100		
106	15.0	10.6	19.6

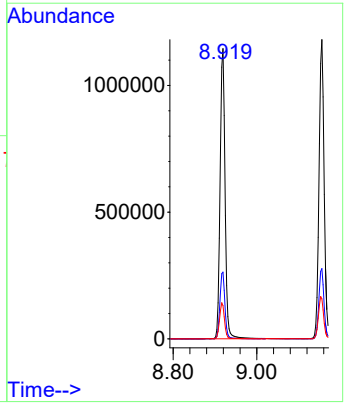


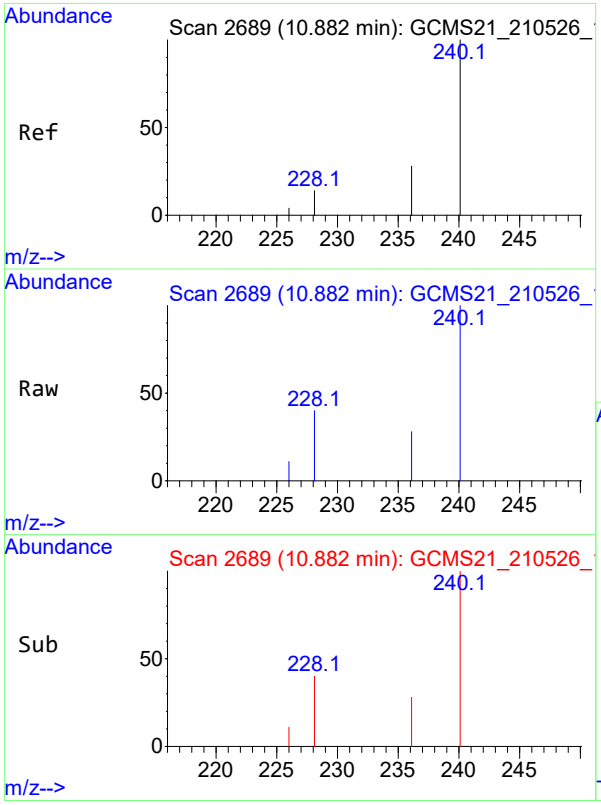


#15
Fluoranthene
Concen: 748.61 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:202 Resp: 948307

Ion	Ratio	Lower	Upper
202	100		
200	23.3	0.0	53.2
101	12.4	0.0	42.4

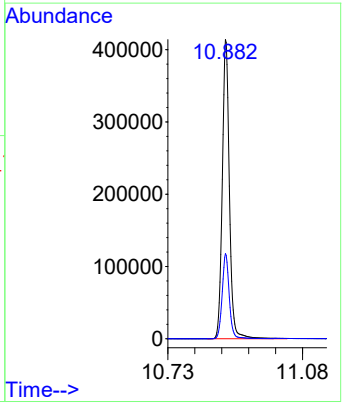


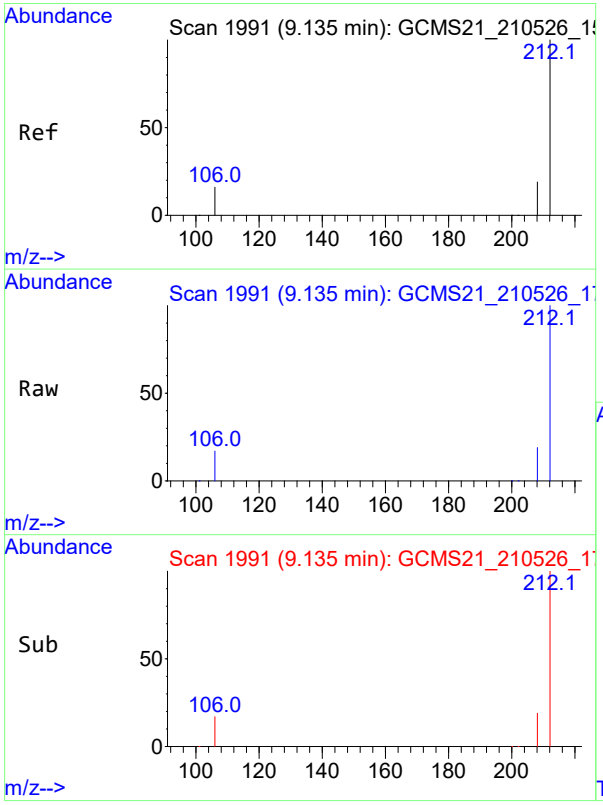


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:240 Resp: 535892

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

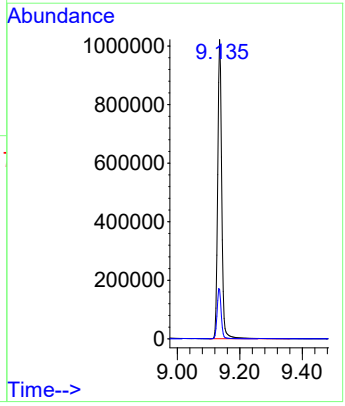


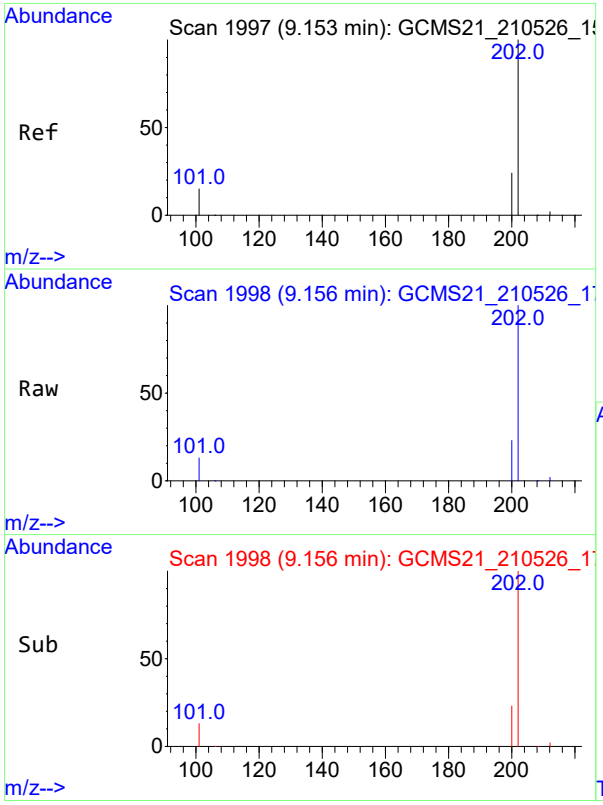


#17
Pyrene-D10
Concen: 744.04 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:212 Resp: 909485

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.2	22.6

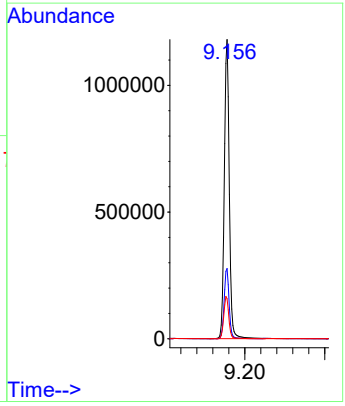


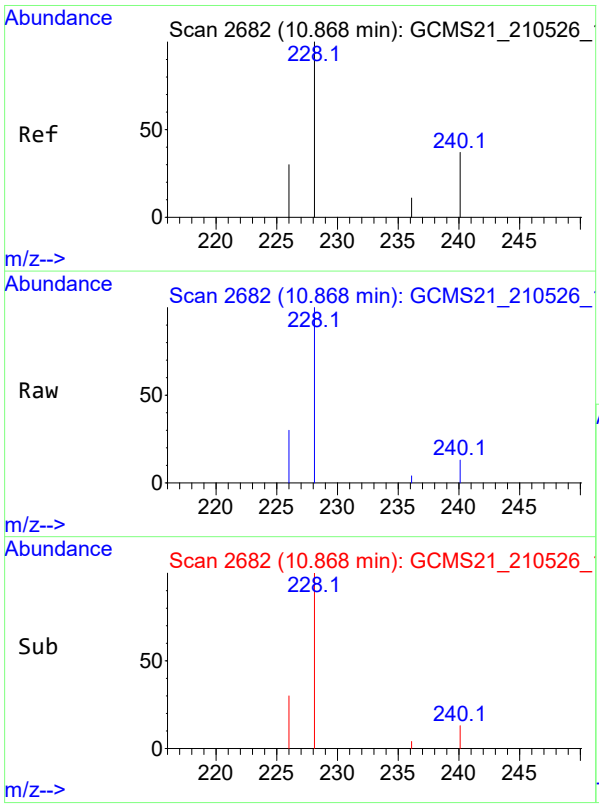


#18
Pyrene
Concen: 745.72 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:202 Resp: 1016120

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.6
101	14.5	0.0	44.4

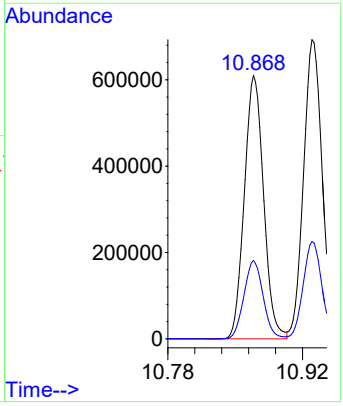


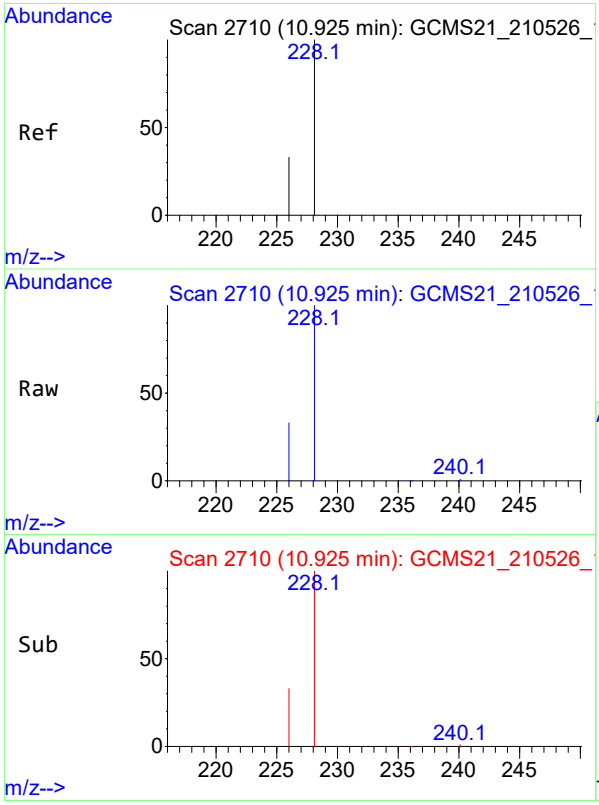


#19
Benzo(a)anthracene
Concen: 740.35 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:228 Resp: 798344

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6

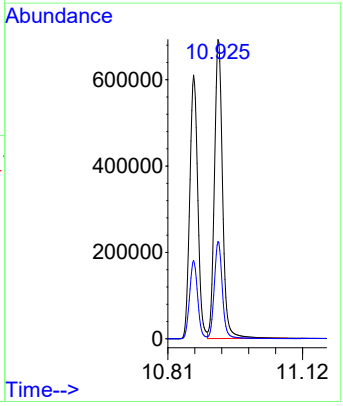


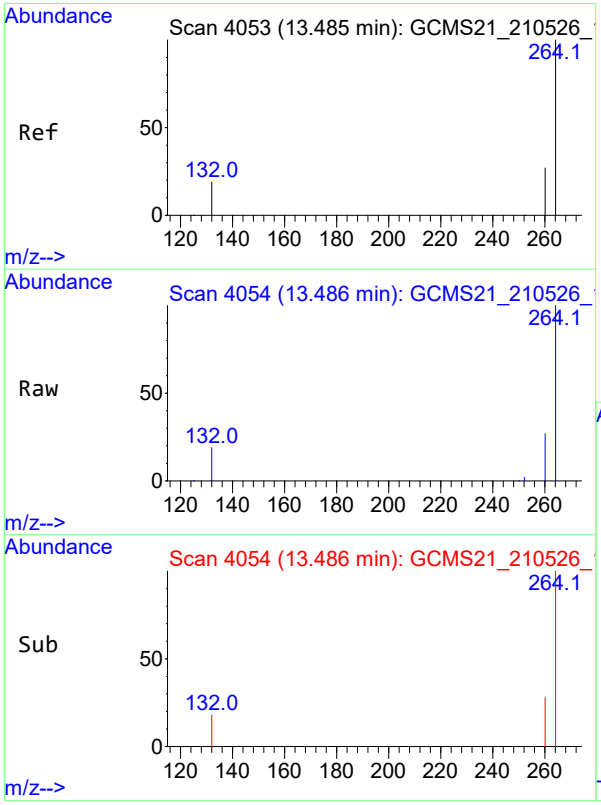


#20
Chrysene
Concen: 737.96 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:228 Resp: 913495

Ion	Ratio	Lower	Upper
228	100		
226	32.6	2.5	62.5

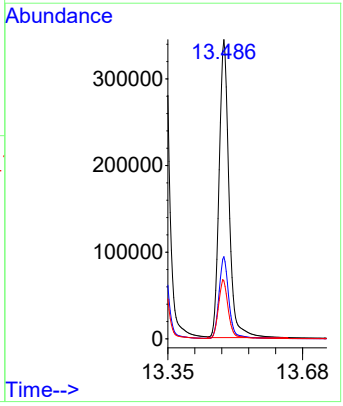


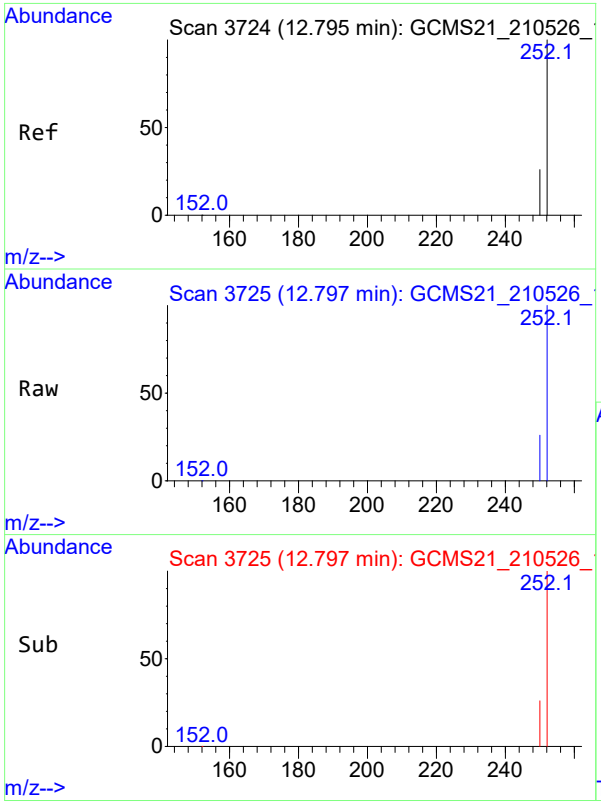


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.486 min Scan# 4054
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:264 Resp: 588262

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	19.8	0.0	49.9

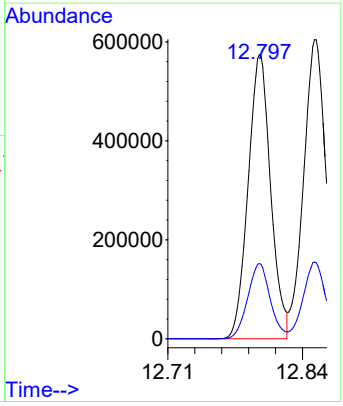


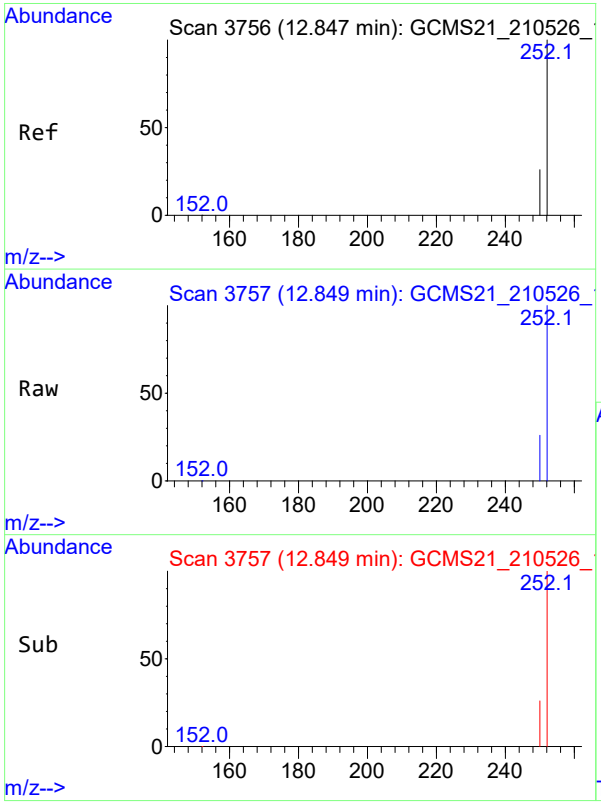


#22
Benzo(b)fluoranthene
Concen: 730.98 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 846661

Ion	Ratio	Lower	Upper
252	100		
250	26.5	0.0	56.2

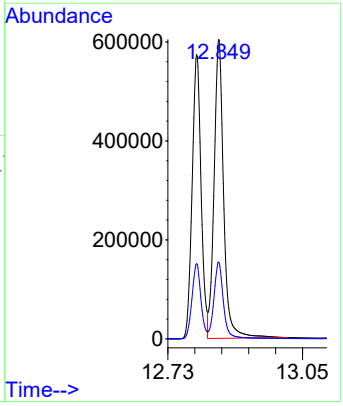


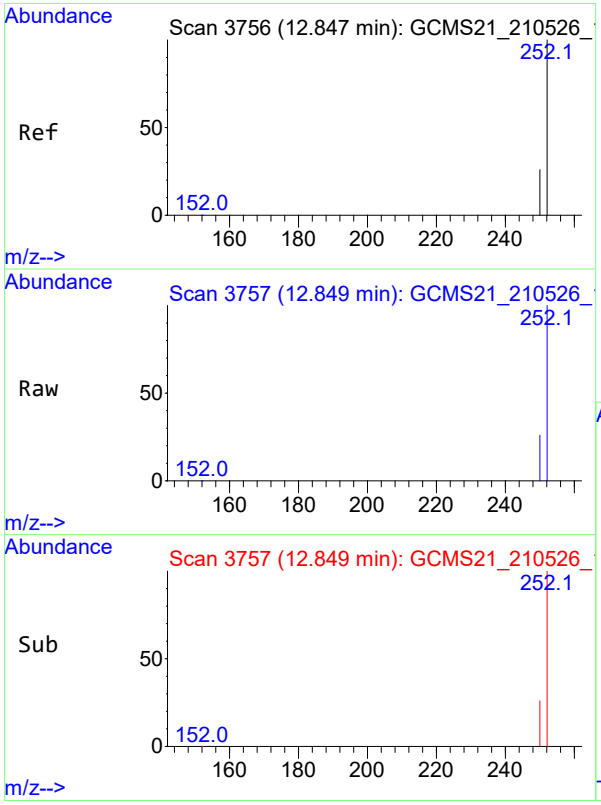


#23
Benzo(k)fluoranthene
Concen: 739.72 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 954472

Ion	Ratio	Lower	Upper
252	100		
250	24.9	0.0	55.4

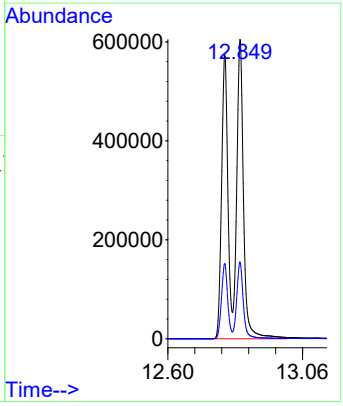


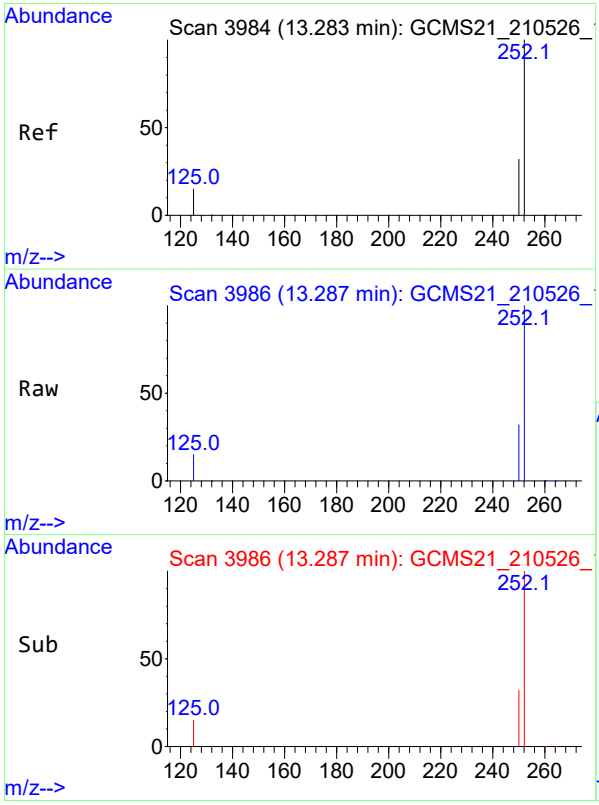


#24
benzo(b+k)fluoranthene (sum)
Concen: 1477.68 ng/mL m
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 1820775

Ion	Ratio	Lower	Upper
252	100		
250	25.9	0.0	56.3

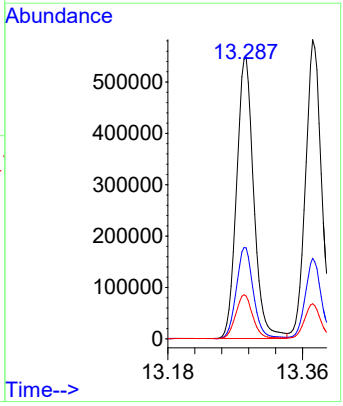


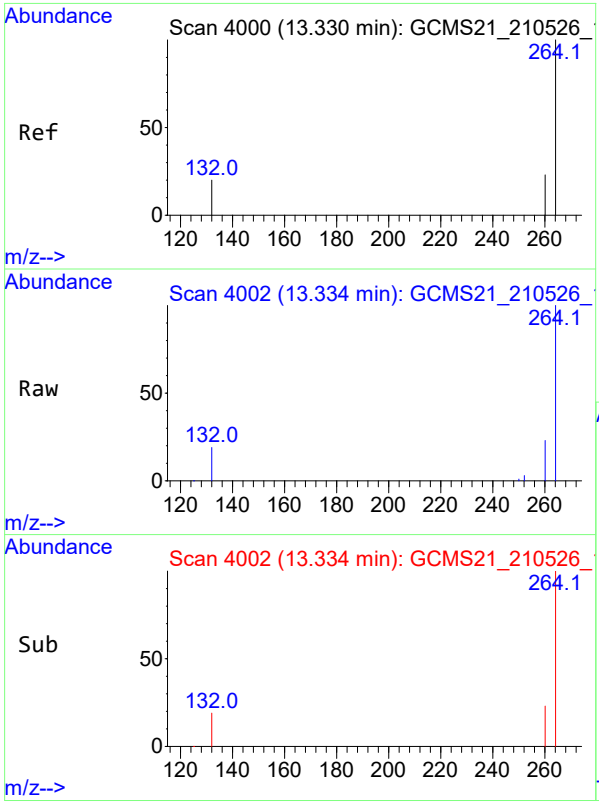


#25
Benzo(e)pyrene
Concen: 743.24 ng/mL
RT: 13.287 min Scan# 3986
Delta R.T. 0.004 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 887787

Ion	Ratio	Lower	Upper
252	100		
250	32.4	2.4	62.4
125	15.8	0.0	46.0

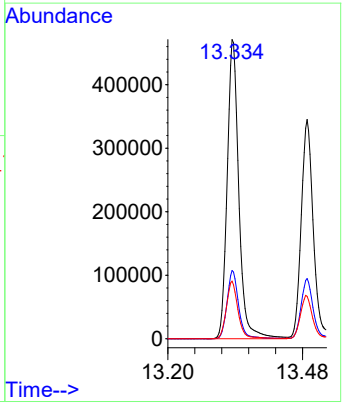


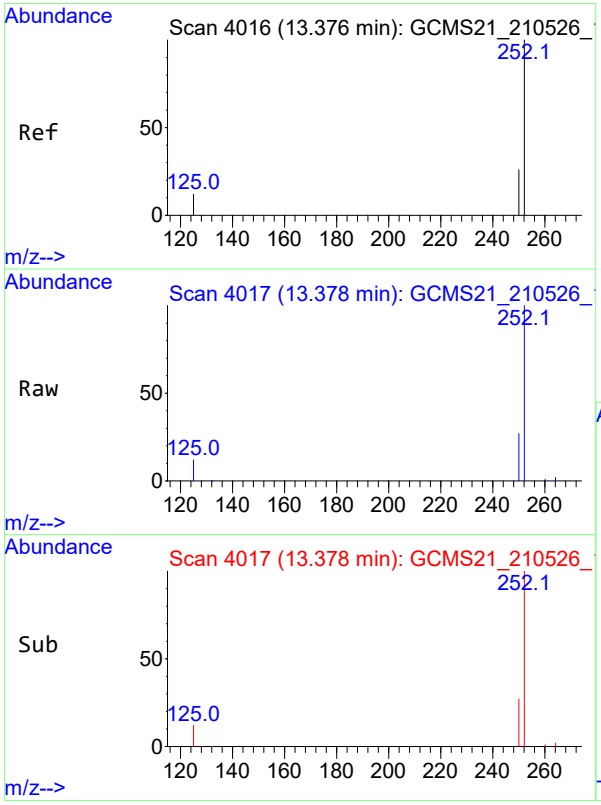


#26
Benzo(a)pyrene-D12
Concen: 760.80 ng/mL
RT: 13.334 min Scan# 4002
Delta R.T. 0.004 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:264 Resp: 771013

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	52.7
132	19.2	0.0	49.5

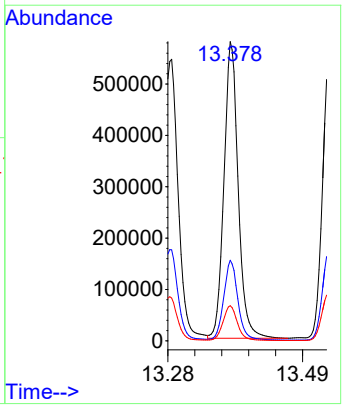


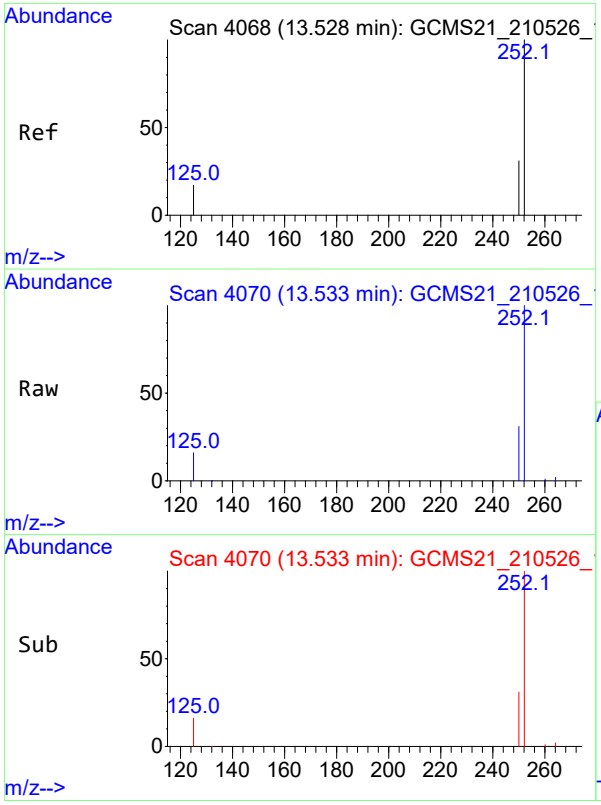


#27
Benzo(a)pyrene
Concen: 759.19 ng/mL
RT: 13.378 min Scan# 4017
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 878532

Ion	Ratio	Lower	Upper
252	100		
250	27.1	0.0	57.2
125	12.0	0.0	42.3

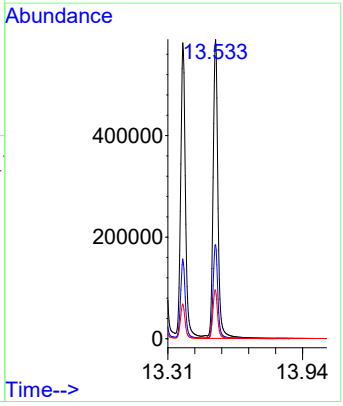


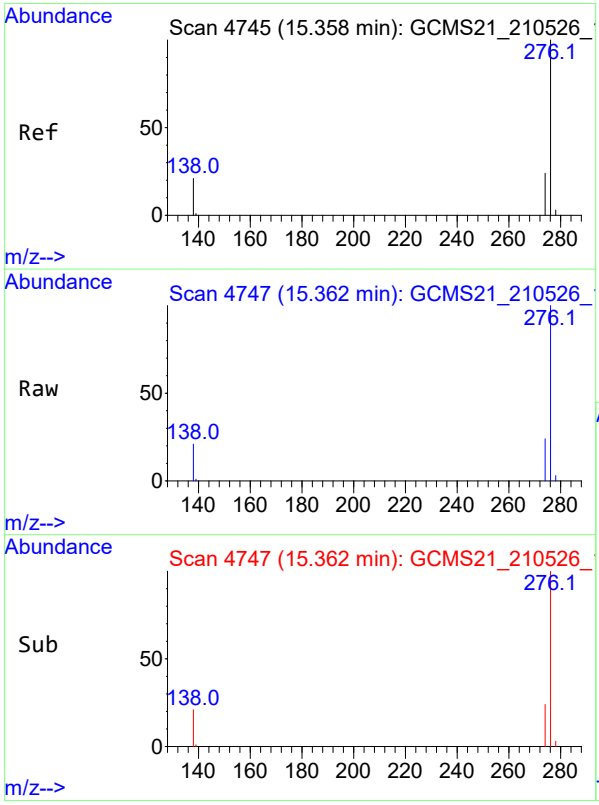


#28
Perylene
Concen: 743.97 ng/mL
RT: 13.533 min Scan# 4070
Delta R.T. 0.004 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 934251

Ion	Ratio	Lower	Upper
252	100		
250	31.2	1.1	61.1
125	16.2	0.0	46.2

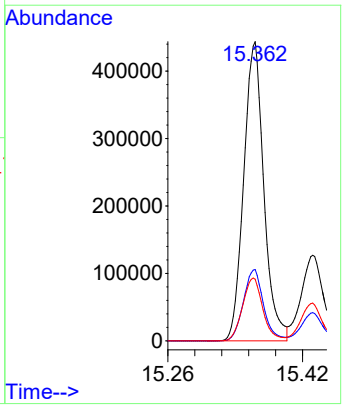


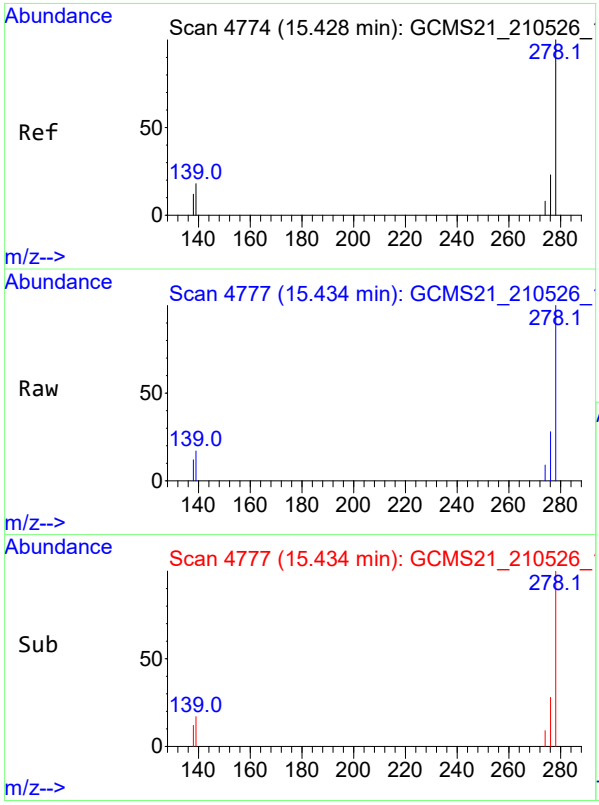


#29
Indeno(1,2,3-cd)pyrene
Concen: 755.62 ng/mL
RT: 15.362 min Scan# 4747
Delta R.T. 0.004 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:276 Resp: 751577

Ion	Ratio	Lower	Upper
276	100		
274	23.9	0.0	53.7
138	21.2	0.0	51.1

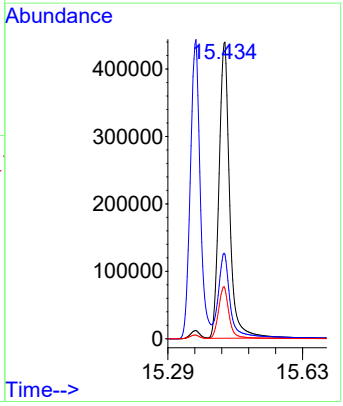


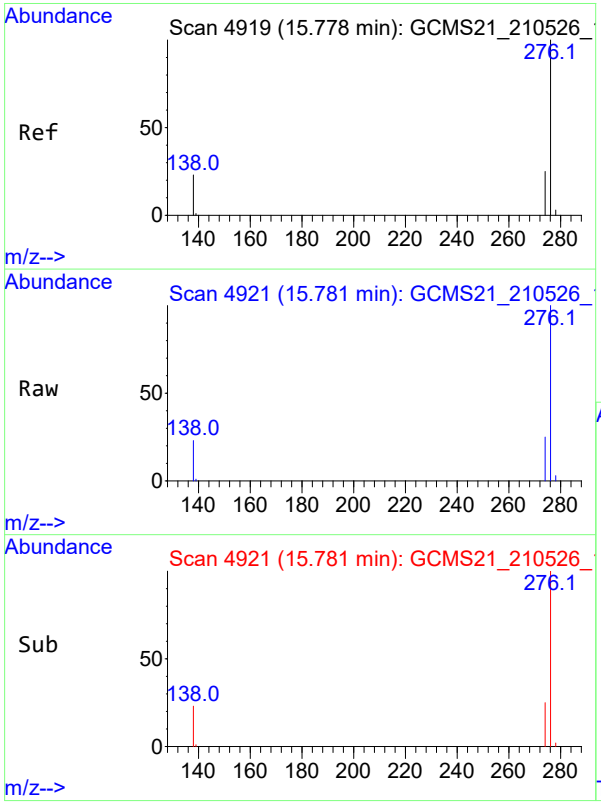


#30
Dibenz(a,h)anthracene
Concen: 763.55 ng/mL
RT: 15.434 min Scan# 4777
Delta R.T. 0.006 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:278 Resp: 807637

Ion	Ratio	Lower	Upper
278	100		
276	32.0	2.7	62.7
139	17.4	0.0	47.4

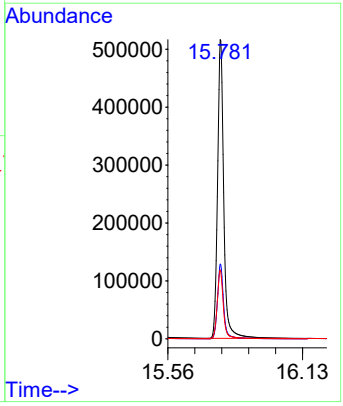




#31
Benzo(g,h,i)perylene
Concen: 751.59 ng/mL
RT: 15.781 min Scan# 4921
Delta R.T. 0.004 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:276 Resp: 926659

Ion	Ratio	Lower	Upper
276	100		
274	24.8	0.0	54.7
138	22.7	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_17.D
Acq On : 26 May 2021 17:37
Operator : MN GCMS21
Sample : CAL9_750ng/mL
Misc : LIMS 21B0109
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 02 11:55:58 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

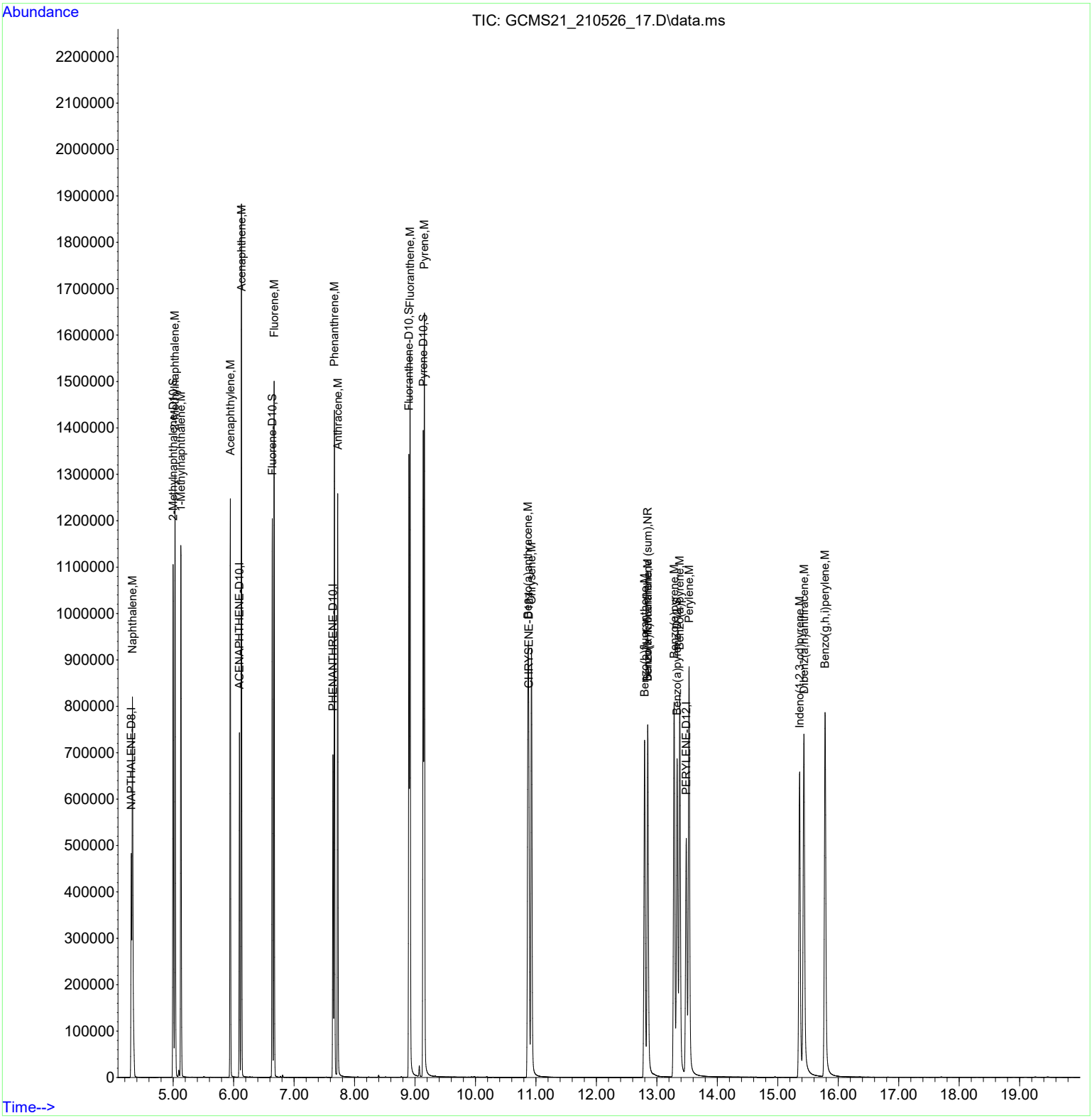
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.308	136	468239	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	269118	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	500554	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	535892	500.00	ng/mL	0.00
21) PERYLENE-D12	13.486	264	588262	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	447653	749.75	ng/mL	0.00
9) Fluorene-D10	6.639	176	465570	743.32	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	839283	750.53	ng/mL	0.00
17) Pyrene-D10	9.135	212	909485	744.04	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.334	264	771013	760.80	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.326	128	667056	742.21	ng/mL	100
4) 2-Methylnaphthalene	5.030	142	478818	751.41	ng/mL	99
5) 1-Methylnaphthalene	5.129	142	431606	752.57	ng/mL	99
7) Acenaphthylene	5.945	152	645395	744.27	ng/mL	100
8) Acenaphthene	6.129	153	488084	742.49	ng/mL	99
10) Fluorene	6.670	166	559244	748.12	ng/mL	100
12) Phenanthrene	7.667	178	840431	752.22	ng/mL	100
13) Anthracene	7.721	178	757494	717.56	ng/mL	100
15) Fluoranthene	8.919	202	948307	748.61	ng/mL	100
18) Pyrene	9.156	202	1016120	745.72	ng/mL	100
19) Benzo(a)anthracene	10.868	228	798344	740.35	ng/mL	100
20) Chrysene	10.925	228	913495	737.96	ng/mL	100
22) Benzo(b)fluoranthene	12.797	252	846661	730.98	ng/mL	99
23) Benzo(k)fluoranthene	12.849	252	954472	739.72	ng/mL	99
24) benzo(b+k)fluoranthene...	12.849	252	960280	779.33	ng/mL	97
25) Benzo(e)pyrene	13.287	252	887787	743.24	ng/mL	100
27) Benzo(a)pyrene	13.378	252	878532	759.19	ng/mL	100
28) Perylene	13.533	252	934251	743.97	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.362	276	751577	755.62	ng/mL	100
30) Dibenz(a,h)anthracene	15.434	278	807637	763.55	ng/mL	99
31) Benzo(g,h,i)perylene	15.781	276	926659	751.59	ng/mL	100

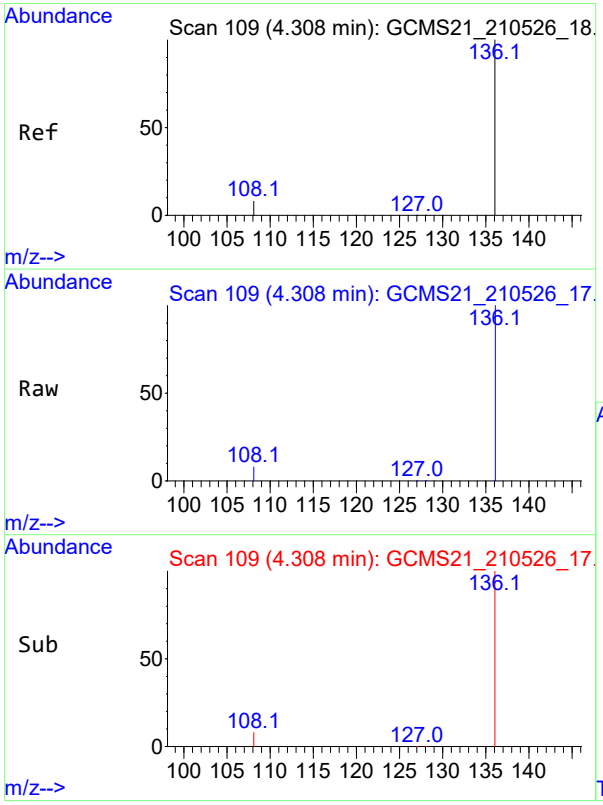
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_17.D
Acq On : 26 May 2021 17:37
Operator : MN GCMS21
Sample : CAL9_750ng/mL
Misc : LIMS 21B0109
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 02 11:55:58 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

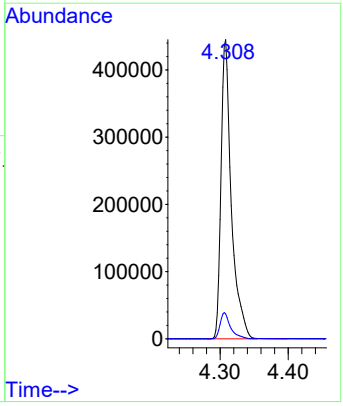


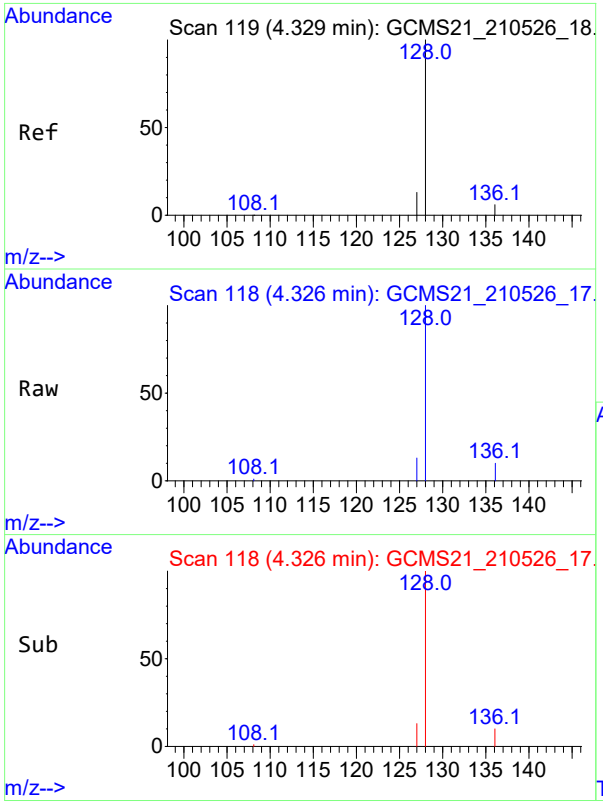


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.308 min Scan# 109
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:136 Resp: 468239

Ion	Ratio	Lower	Upper
136	100		
108	8.8	0.0	29.0

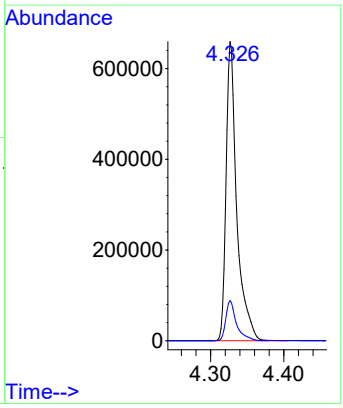


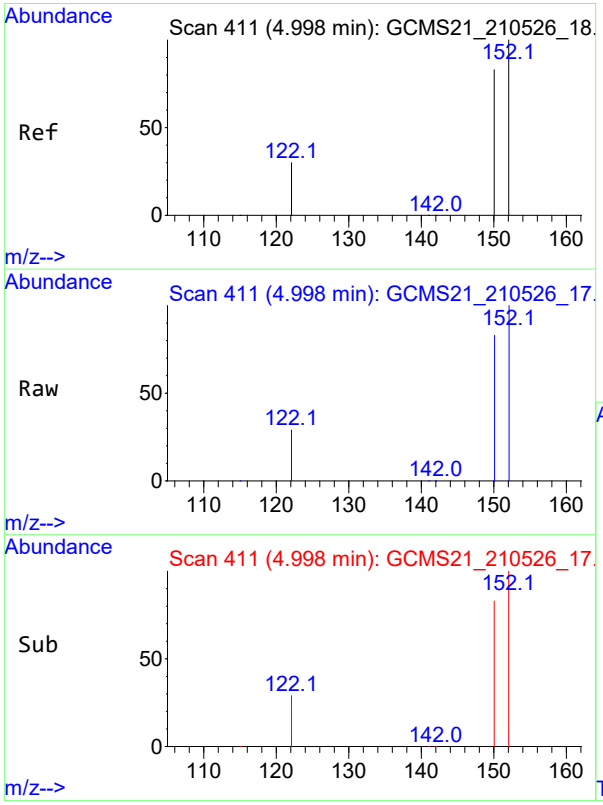


#2
Naphthalene
Concen: 742.21 ng/mL
RT: 4.326 min Scan# 118
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:128 Resp: 667056

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

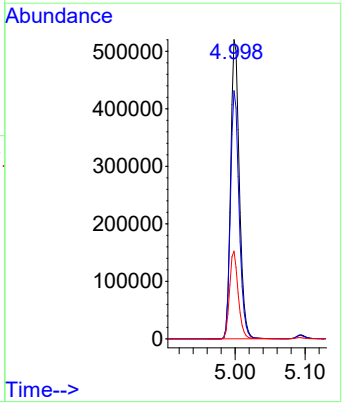


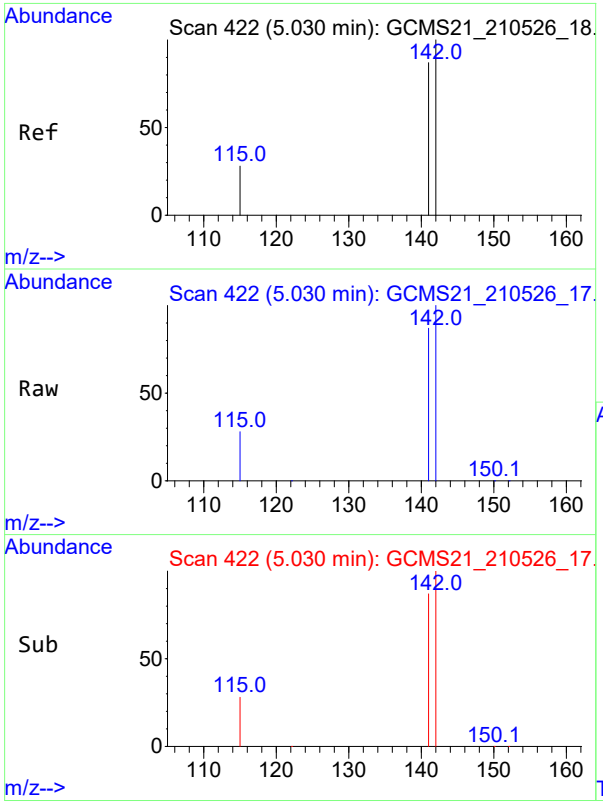


#3
2-Methylnaphthalene-D10
Concen: 749.75 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:152 Resp: 447653

Ion	Ratio	Lower	Upper
152	100		
150	82.5	57.5	106.7
122	29.0	20.1	37.3

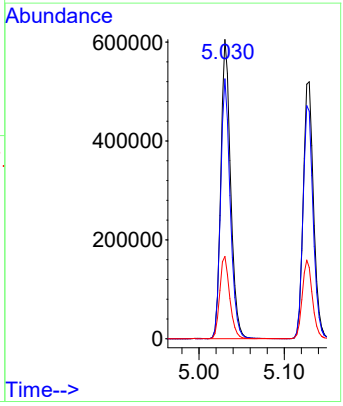


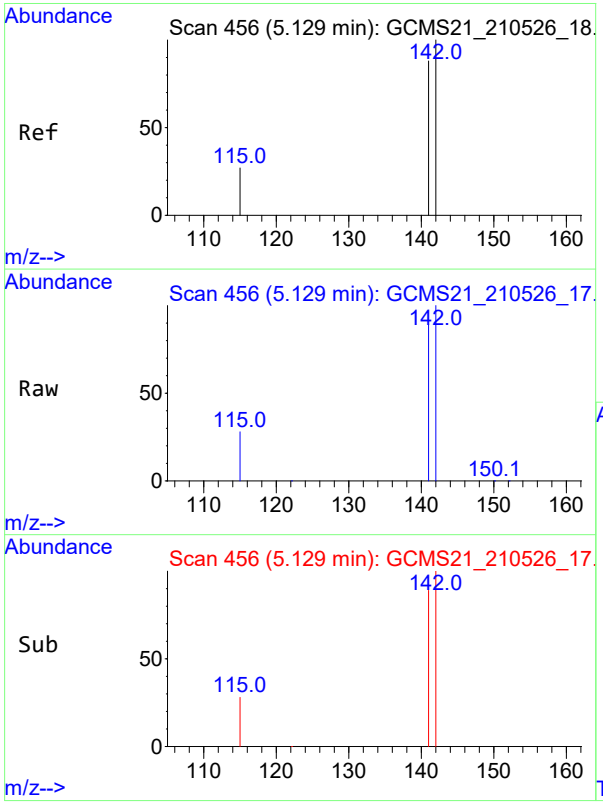


#4
2-Methylnaphthalene
Concen: 751.41 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:142 Resp: 478818

Ion	Ratio	Lower	Upper
142	100		
141	86.2	56.5	116.5
115	28.2	0.0	59.3

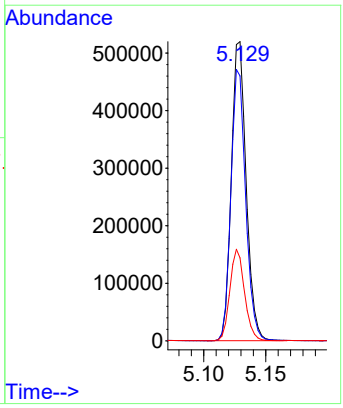


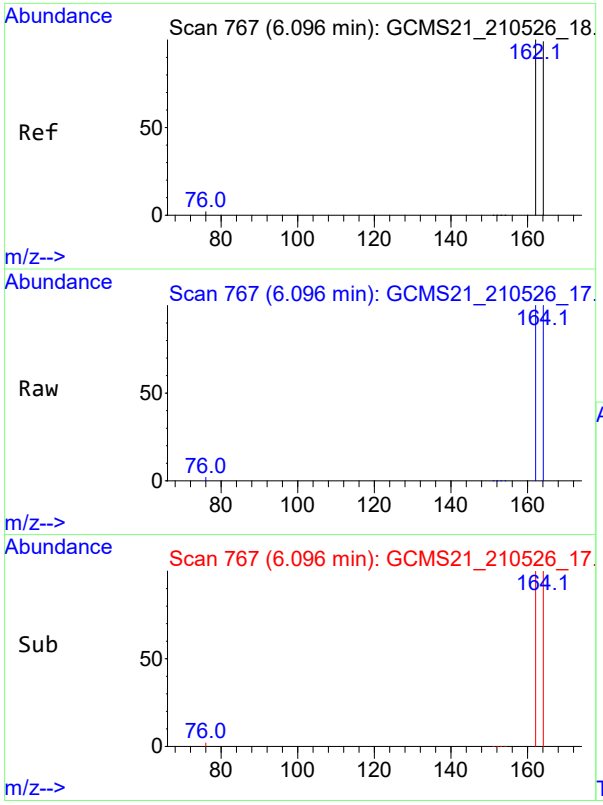


#5
1-Methylnaphthalene
Concen: 752.57 ng/mL
RT: 5.129 min Scan# 456
Delta R.T. 0.003 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:142 Resp: 431606

Ion	Ratio	Lower	Upper
142	100		
141	89.9	59.6	119.6
115	30.3	1.2	61.2

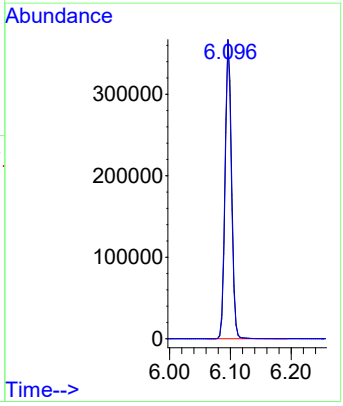


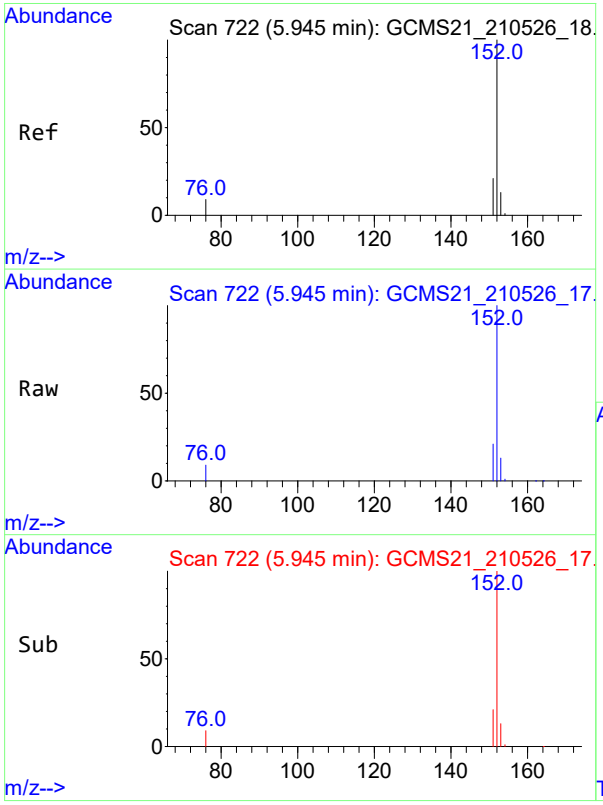


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:164 Resp: 269118

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.5	119.5

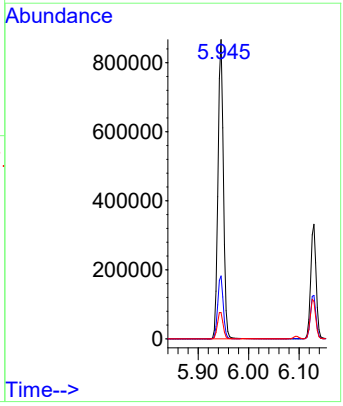


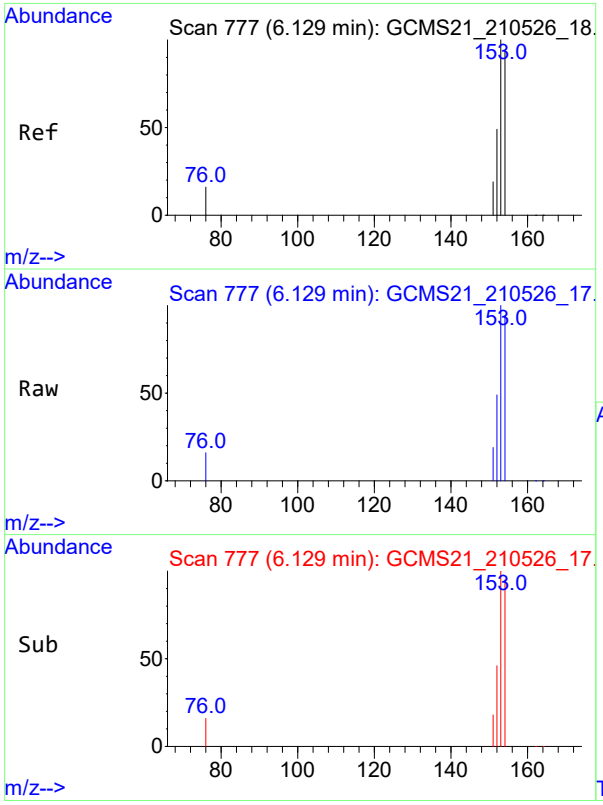


#7
Acenaphthylene
Concen: 744.27 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:152 Resp: 645395

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	51.5
76	9.4	0.0	39.5

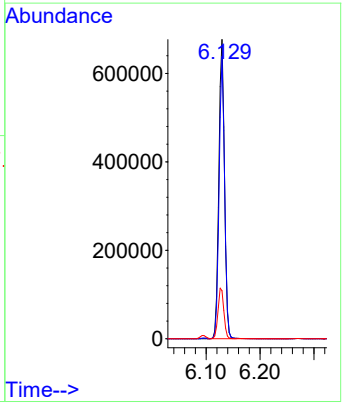


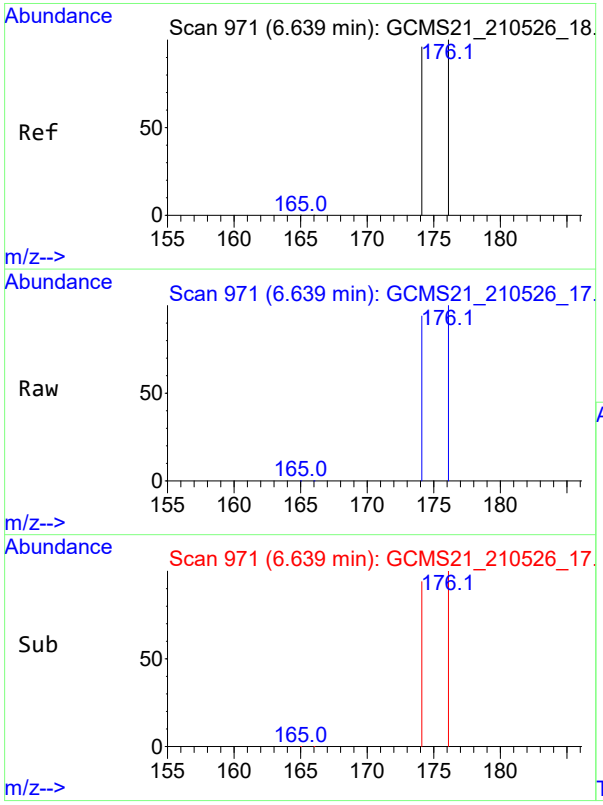


#8
Acenaphthene
Concen: 742.49 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:153 Resp: 488084

Ion	Ratio	Lower	Upper
153	100		
154	92.7	61.9	121.9
76	17.6	0.0	47.6

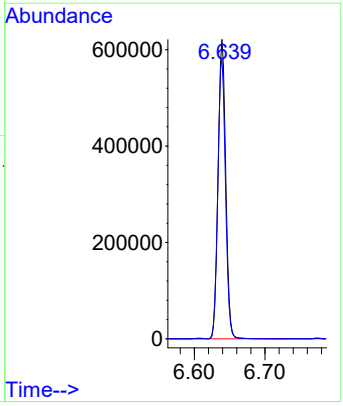


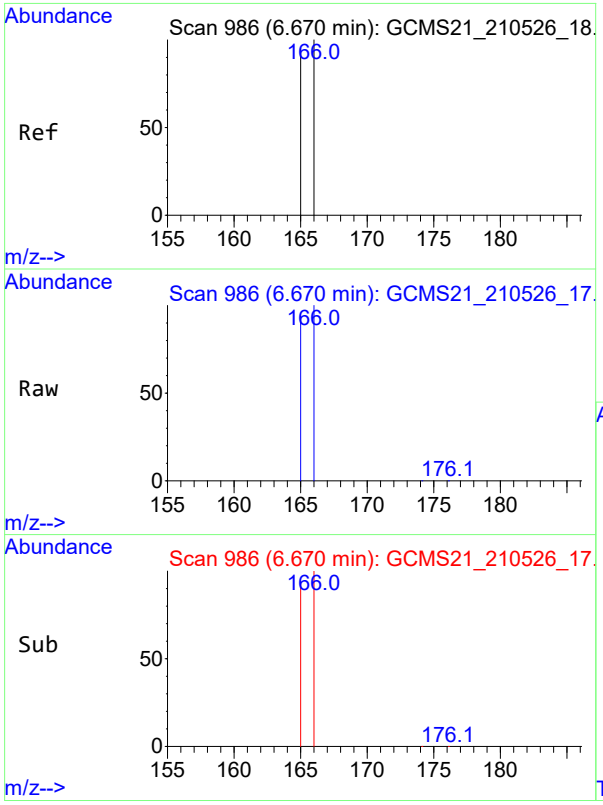


#9
Fluorene-D10
Concen: 743.32 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:176 Resp: 465570

Ion	Ratio	Lower	Upper
176	100		
174	94.5	66.0	122.6

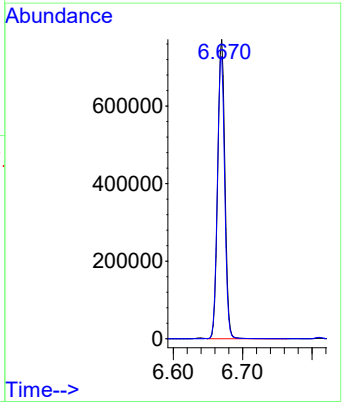


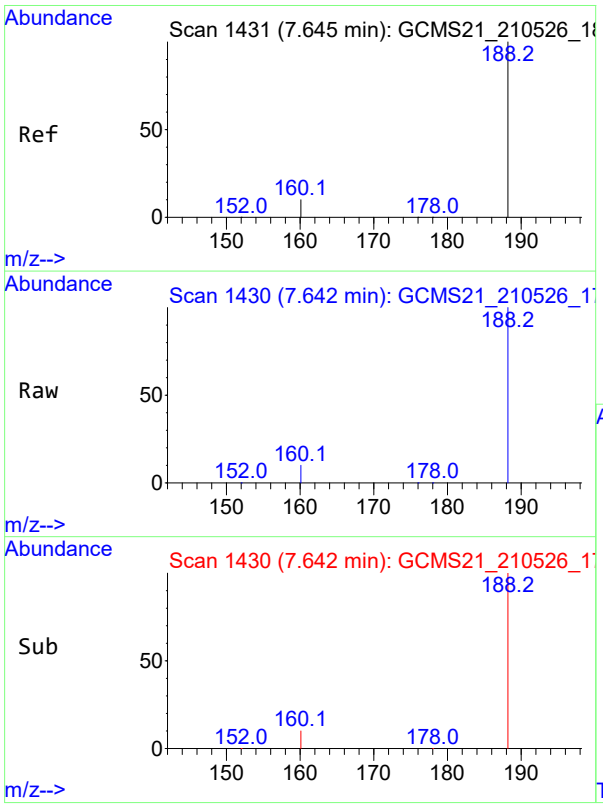


#10
Fluorene
Concen: 748.12 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:166 Resp: 559244

Ion	Ratio	Lower	Upper
166	100		
165	95.3	65.4	125.4

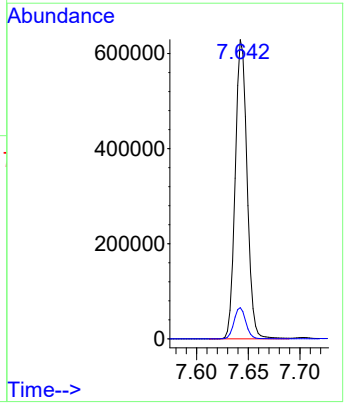


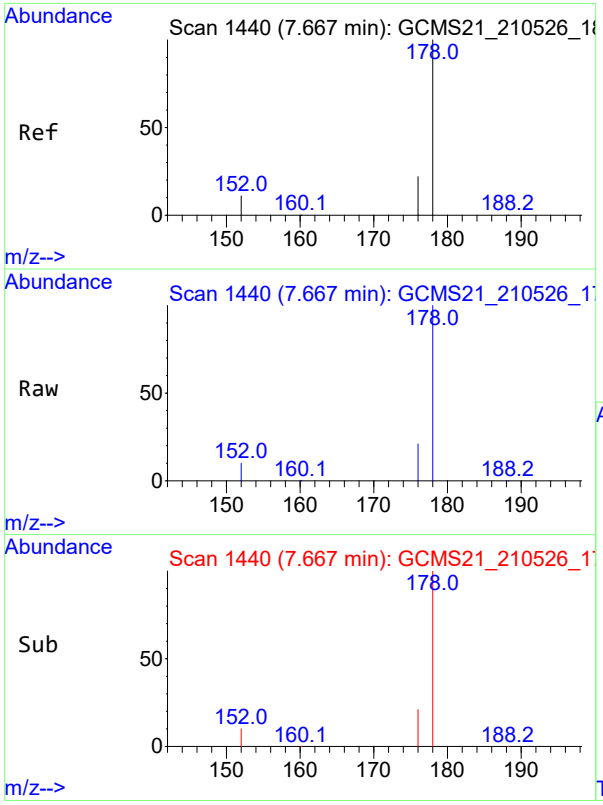


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:188 Resp: 500554

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

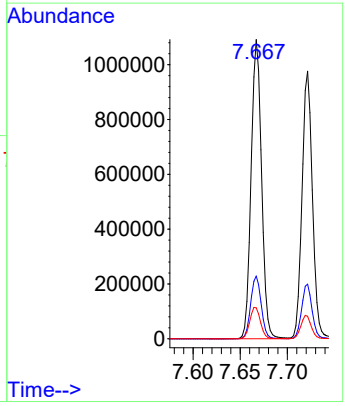


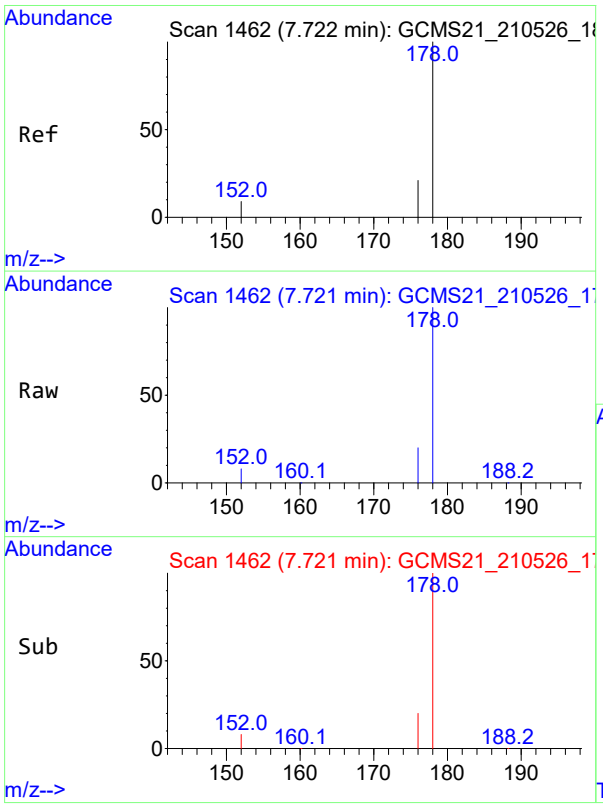


#12
Phenanthrene
Concen: 752.22 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:178 Resp: 840431

Ion	Ratio	Lower	Upper
178	100		
176	21.1	0.0	50.9
152	10.7	0.0	40.7

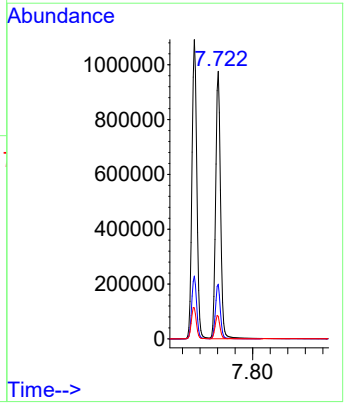


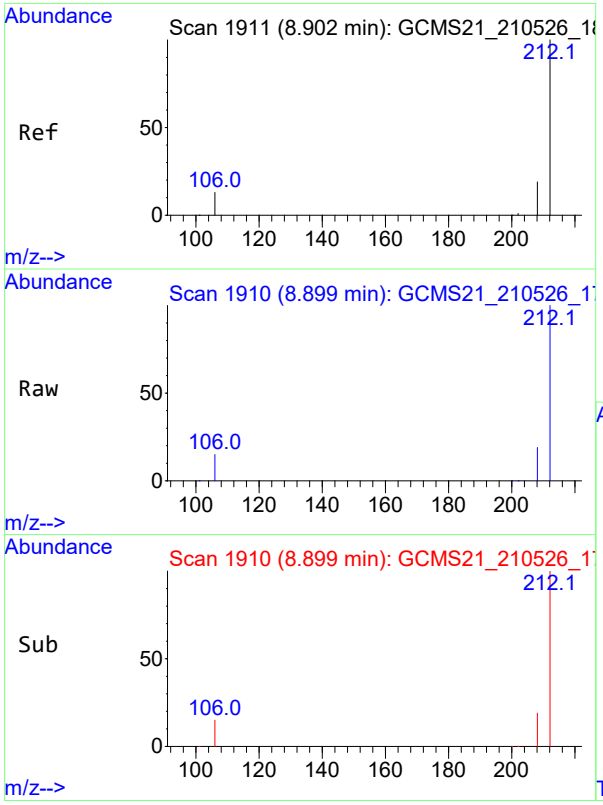


#13
Anthracene
Concen: 717.56 ng/mL
RT: 7.721 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:178 Resp: 757494

Ion	Ratio	Lower	Upper
178	100		
176	20.4	0.0	50.2
152	8.7	0.0	38.7

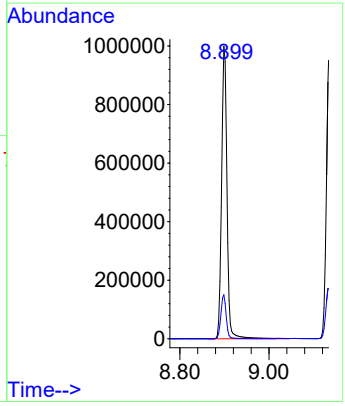


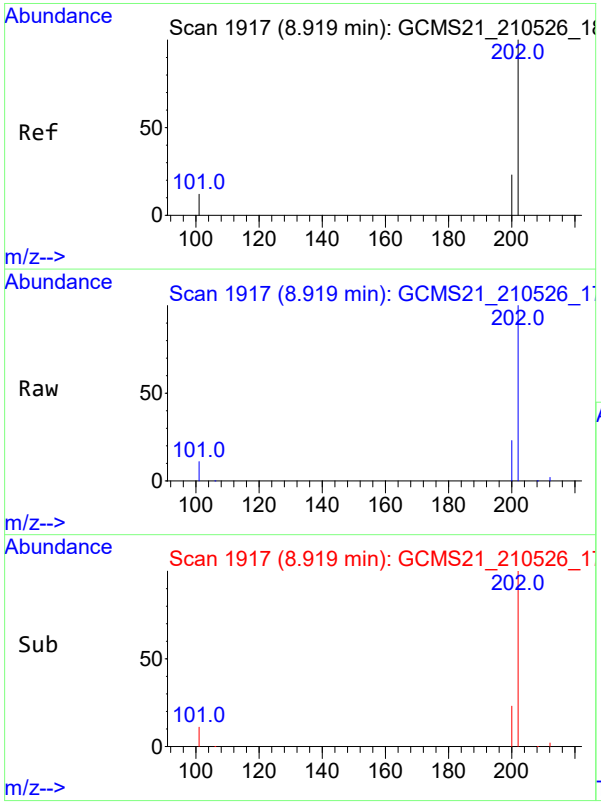


#14
Fluoranthene-D10
Concen: 750.53 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:212 Resp: 839283

Ion	Ratio	Lower	Upper
212	100		
106	15.0	10.6	19.6

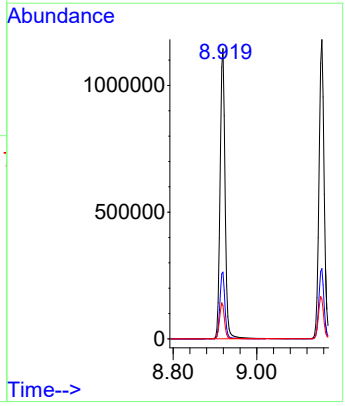


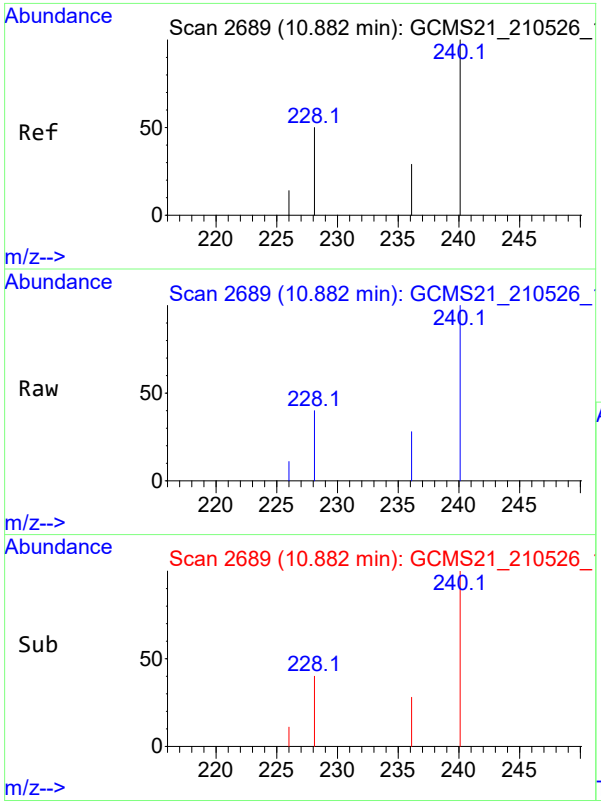


#15
Fluoranthene
Concen: 748.61 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:202 Resp: 948307

Ion	Ratio	Lower	Upper
202	100		
200	23.3	0.0	53.2
101	12.4	0.0	42.4

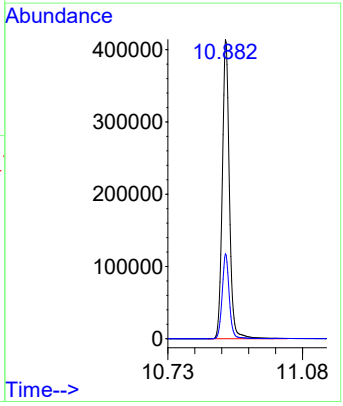


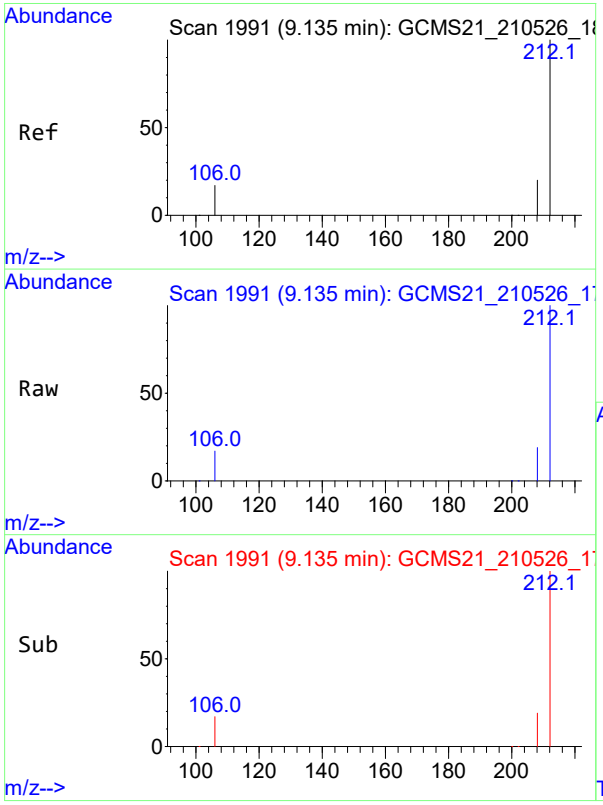


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:240 Resp: 535892

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

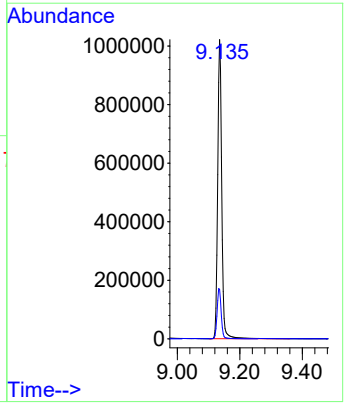


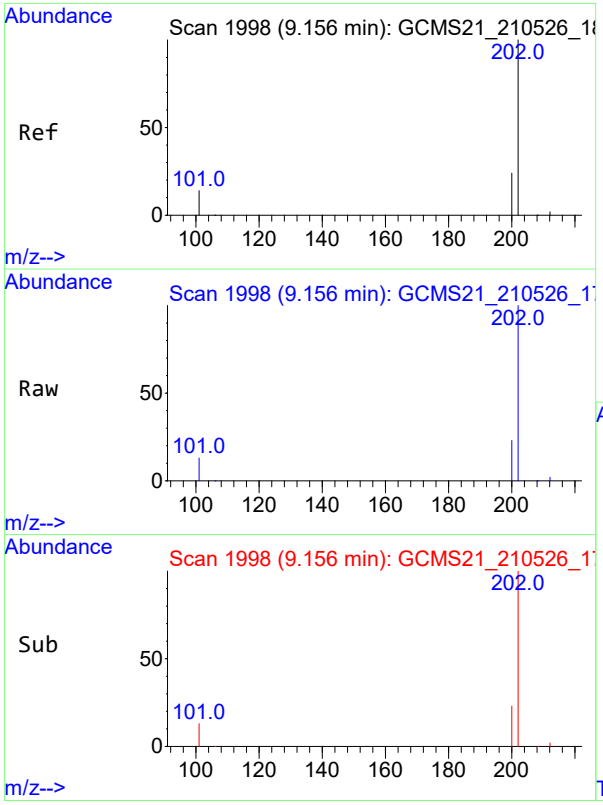


#17
Pyrene-D10
Concen: 744.04 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:212 Resp: 909485

Ion	Ratio	Lower	Upper
212	100		
106	17.3	12.2	22.6

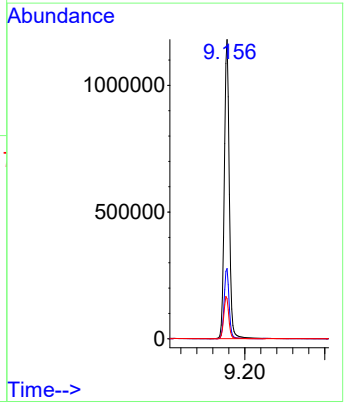


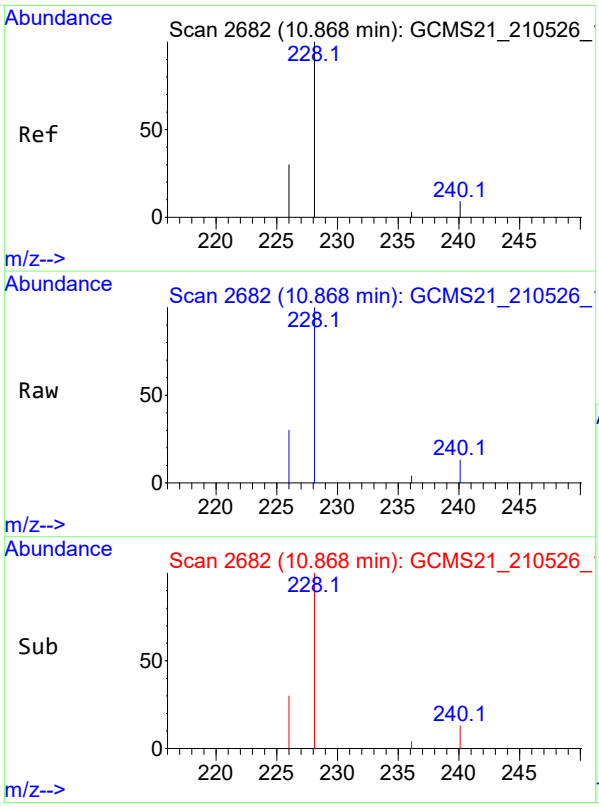


#18
Pyrene
Concen: 745.72 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:202 Resp: 1016120

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.6
101	14.5	0.0	44.4

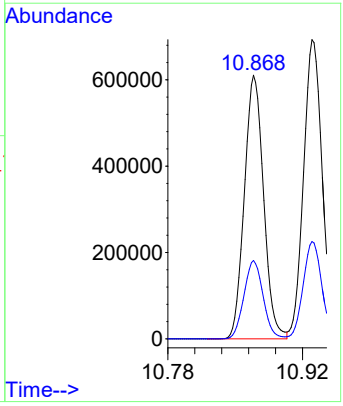


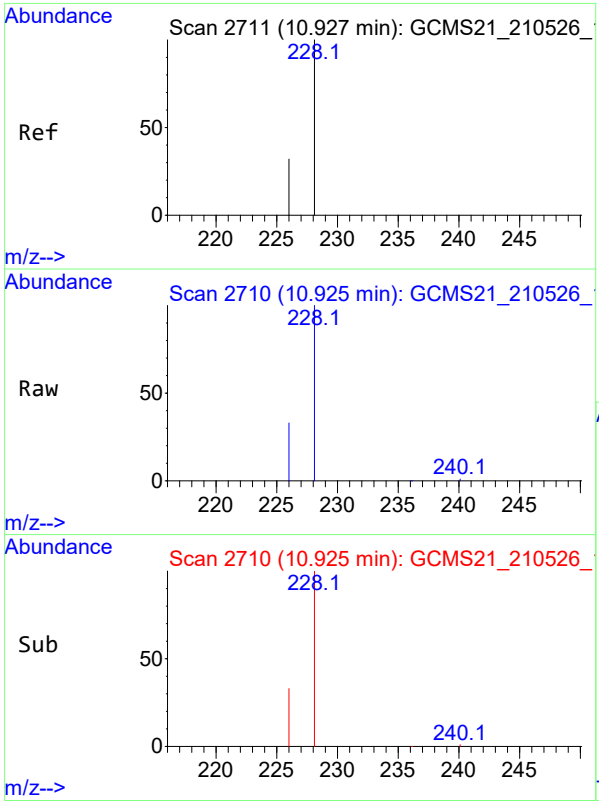


#19
Benzo(a)anthracene
Concen: 740.35 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:228 Resp: 798344

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6

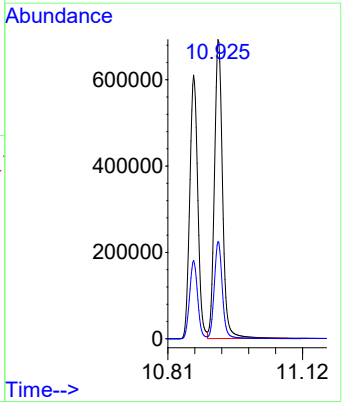


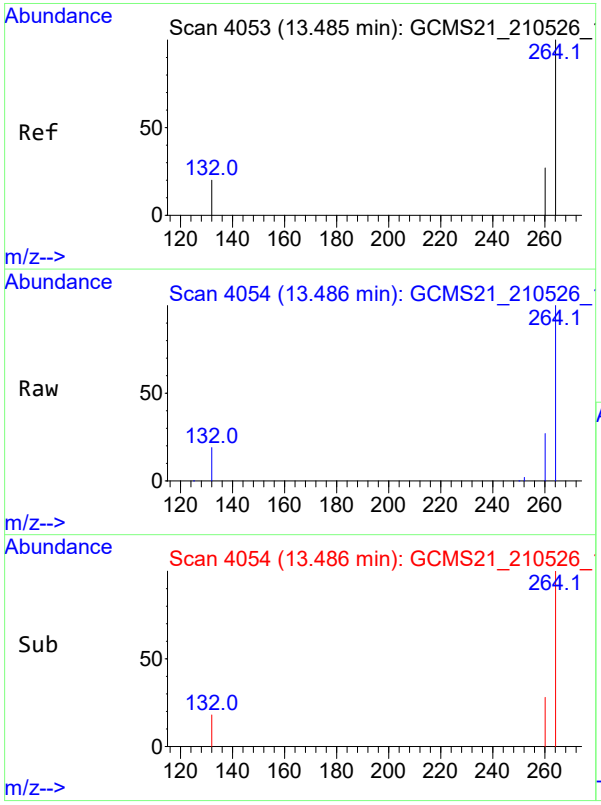


#20
Chrysene
Concen: 737.96 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. -0.000 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:228 Resp: 913495

Ion	Ratio	Lower	Upper
228	100		
226	32.6	2.5	62.5

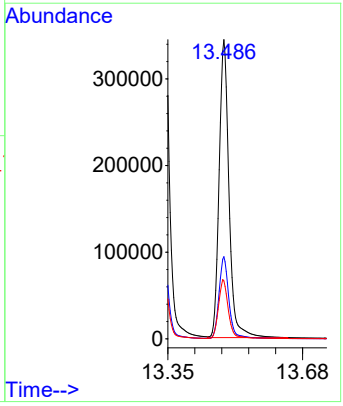


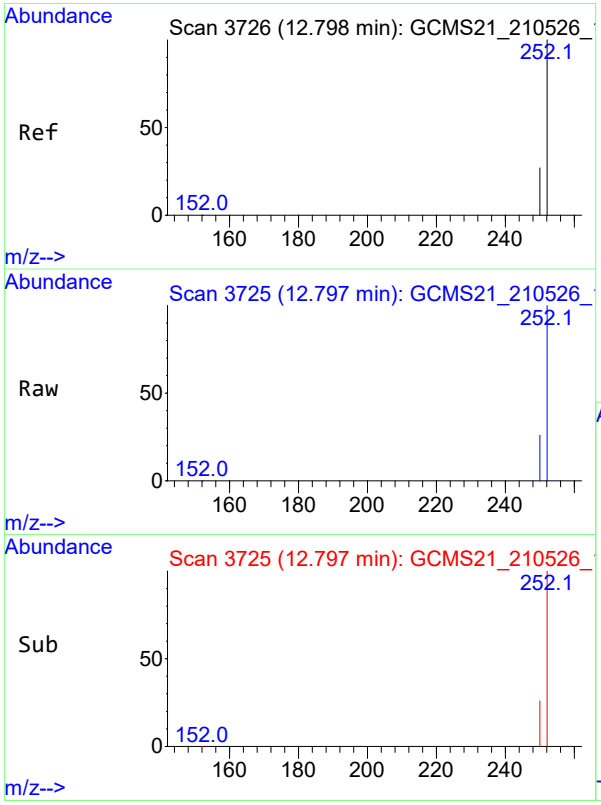


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.486 min Scan# 4054
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:264 Resp: 588262

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	19.8	0.0	49.9

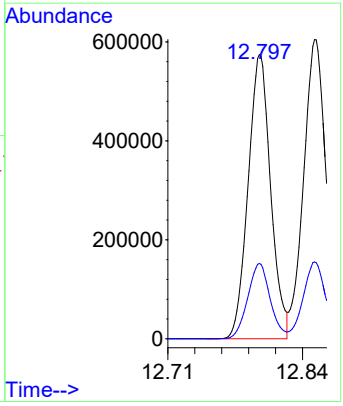


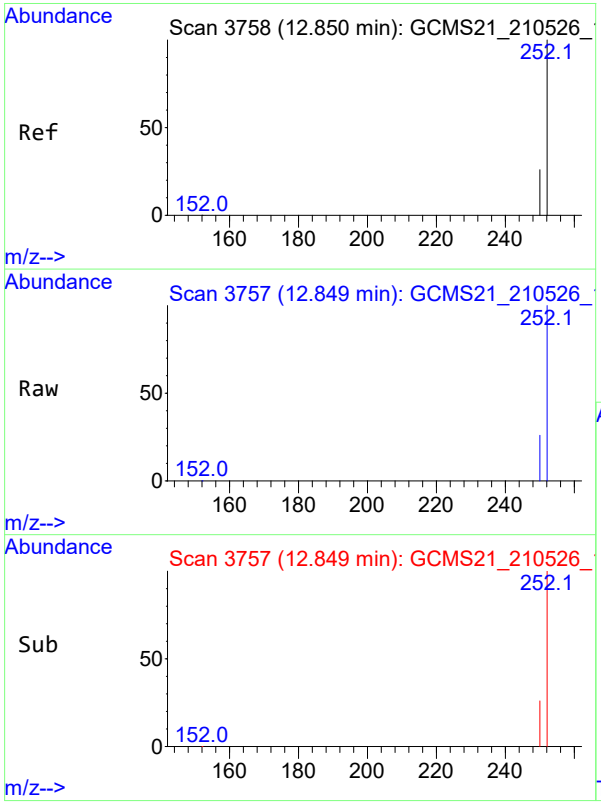


#22
Benzo(b)fluoranthene
Concen: 730.98 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 846661

Ion	Ratio	Lower	Upper
252	100		
250	26.5	0.0	56.2

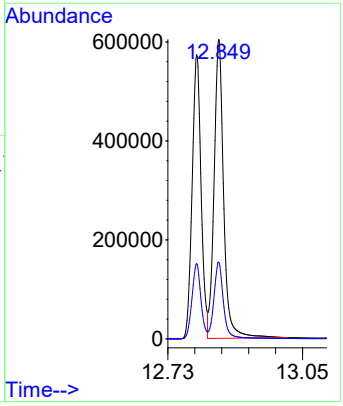


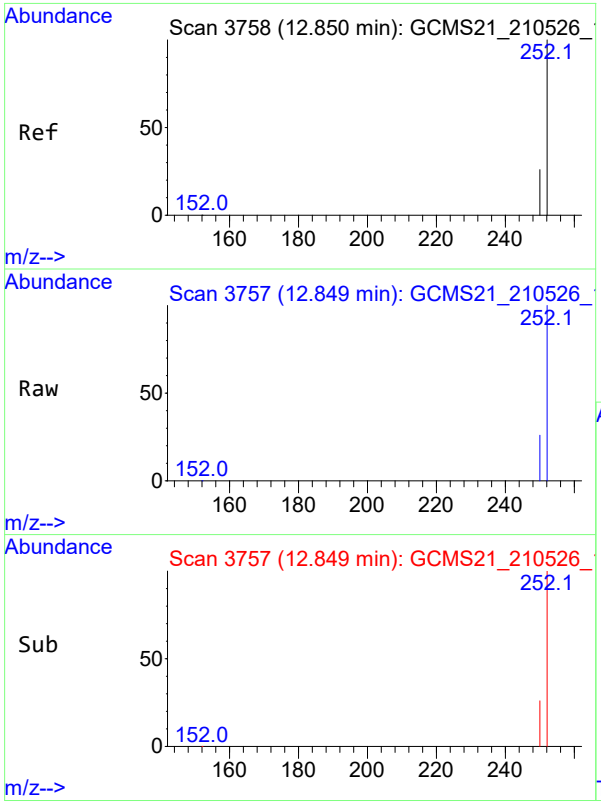


#23
Benzo(k)fluoranthene
Concen: 739.72 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 954472

Ion	Ratio	Lower	Upper
252	100		
250	24.9	0.0	55.4

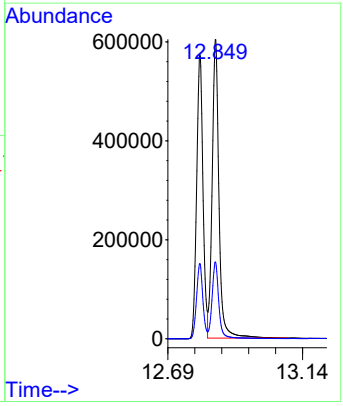


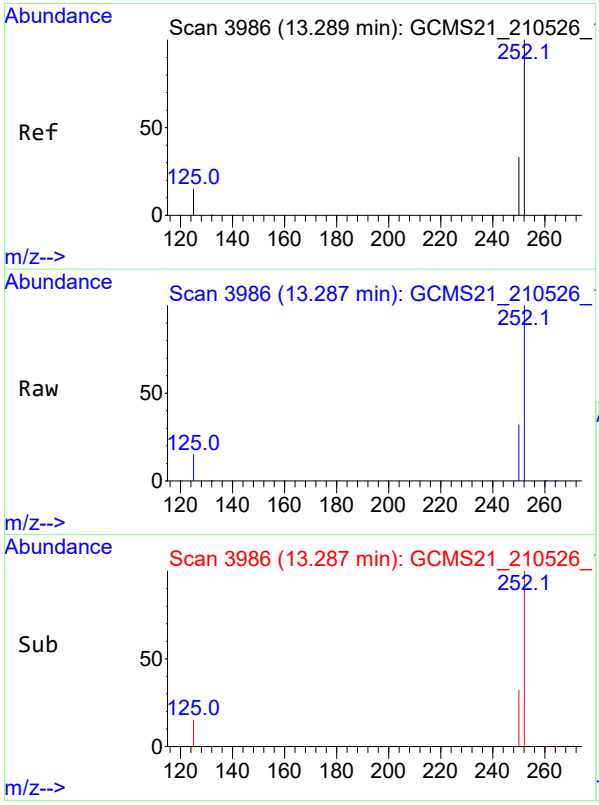


#24
benzo(b+k)fluoranthene (sum)
Concen: 779.33 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 960280

Ion	Ratio	Lower	Upper
252	100		
250	24.8	0.0	56.3

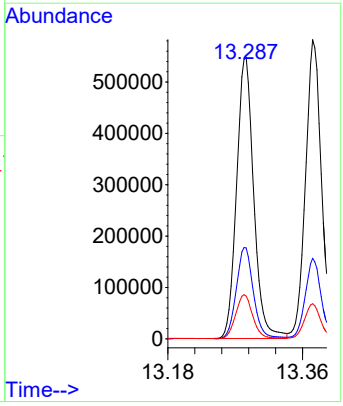


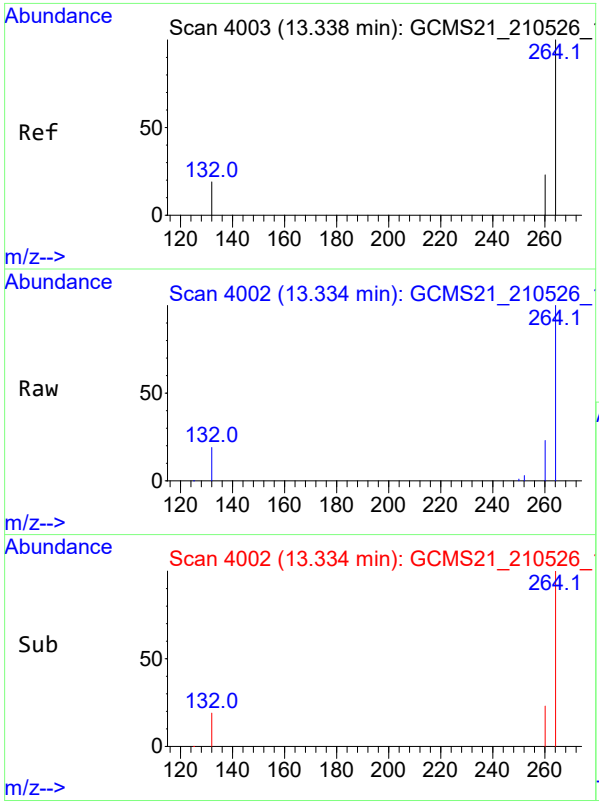


#25
Benzo(e)pyrene
Concen: 743.24 ng/mL
RT: 13.287 min Scan# 3986
Delta R.T. 0.004 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 887787

Ion	Ratio	Lower	Upper
252	100		
250	32.4	2.4	62.4
125	15.8	0.0	46.0

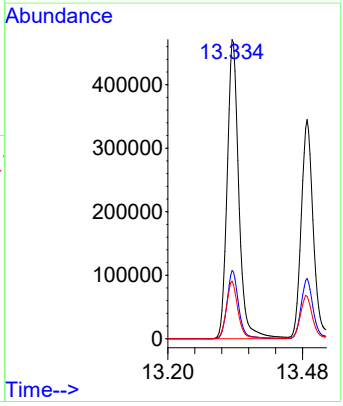


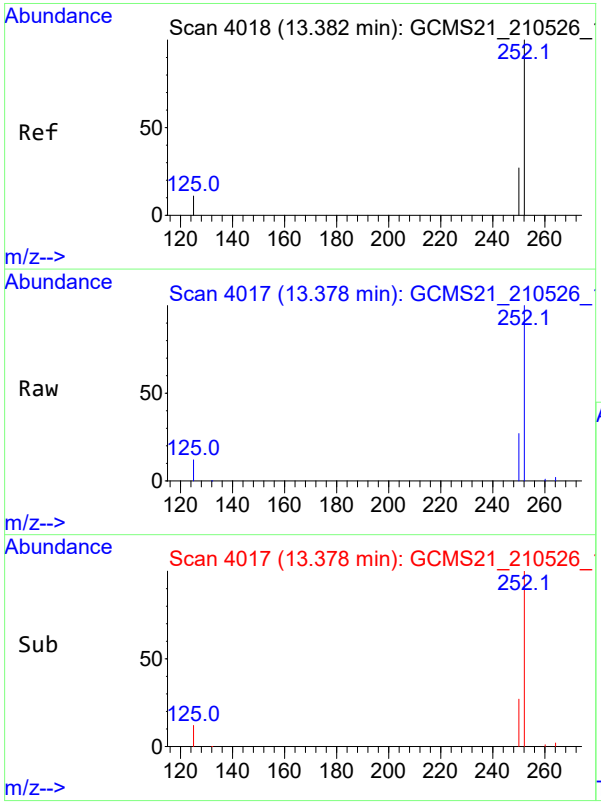


#26
Benzo(a)pyrene-D12
Concen: 760.80 ng/mL
RT: 13.334 min Scan# 4002
Delta R.T. 0.004 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:264 Resp: 771013

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	52.7
132	19.2	0.0	49.5

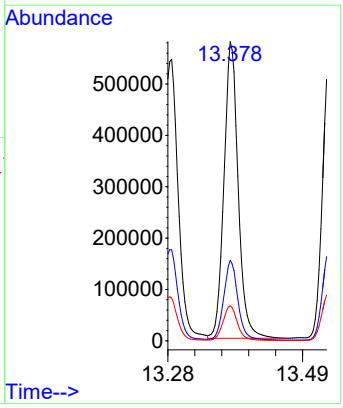


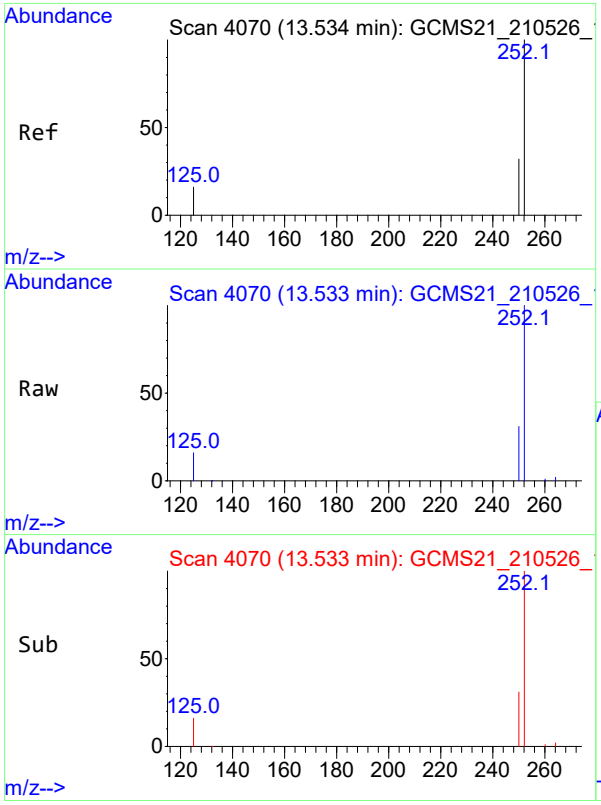


#27
Benzo(a)pyrene
Concen: 759.19 ng/mL
RT: 13.378 min Scan# 4017
Delta R.T. 0.002 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 878532

Ion	Ratio	Lower	Upper
252	100		
250	27.1	0.0	57.2
125	12.0	0.0	42.3

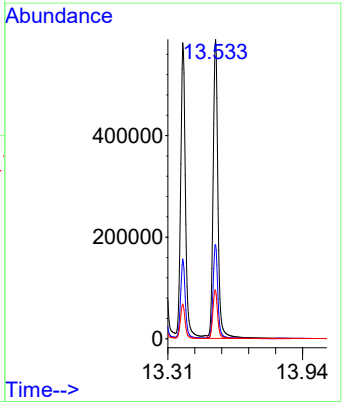


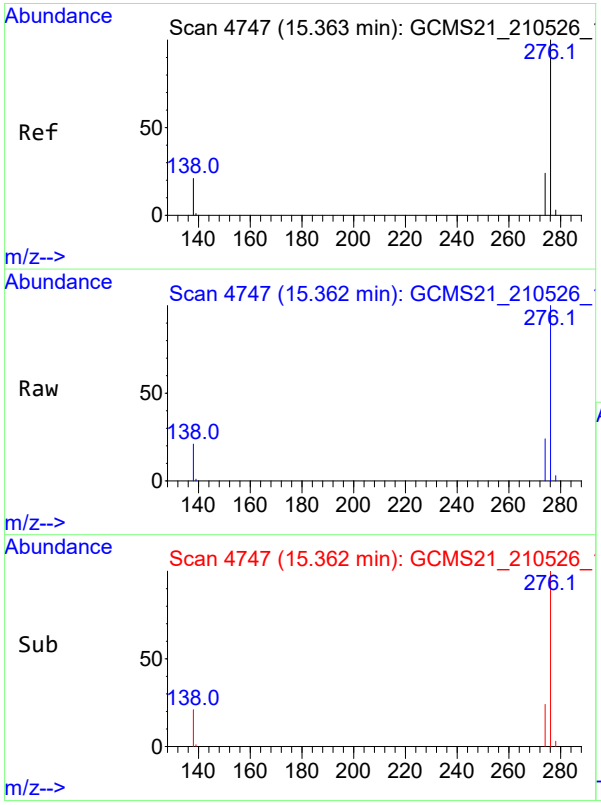


#28
Perylene
Concen: 743.97 ng/mL
RT: 13.533 min Scan# 4070
Delta R.T. 0.004 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:252 Resp: 934251

Ion	Ratio	Lower	Upper
252	100		
250	31.2	1.1	61.1
125	16.2	0.0	46.2

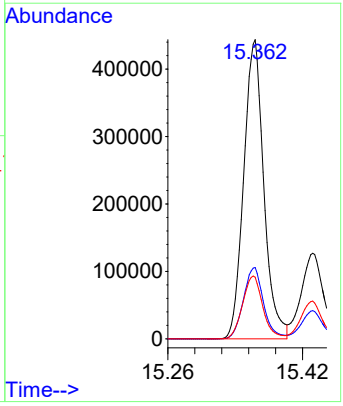


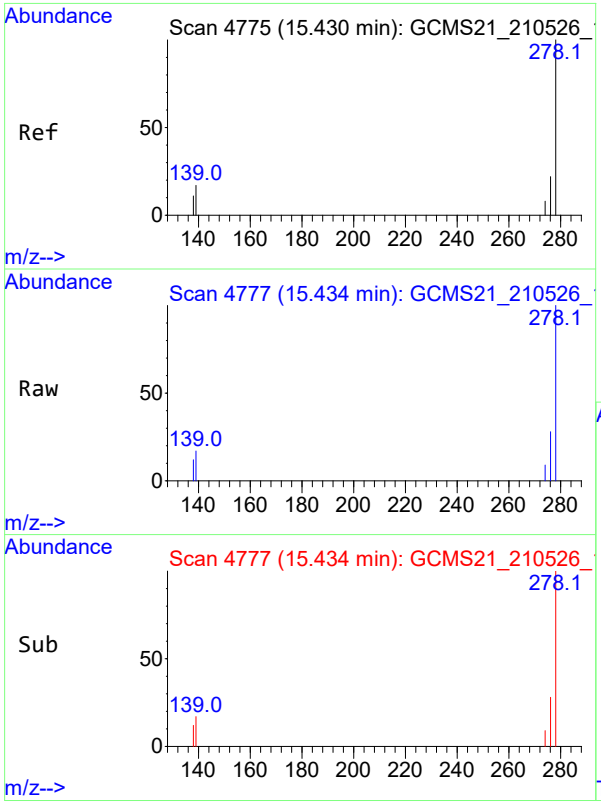


#29
Indeno(1,2,3-cd)pyrene
Concen: 755.62 ng/mL
RT: 15.362 min Scan# 4747
Delta R.T. 0.004 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:276 Resp: 751577

Ion	Ratio	Lower	Upper
276	100		
274	23.9	0.0	53.7
138	21.2	0.0	51.1

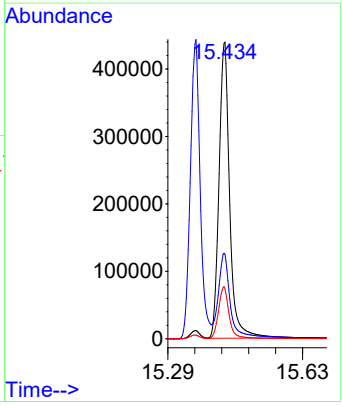


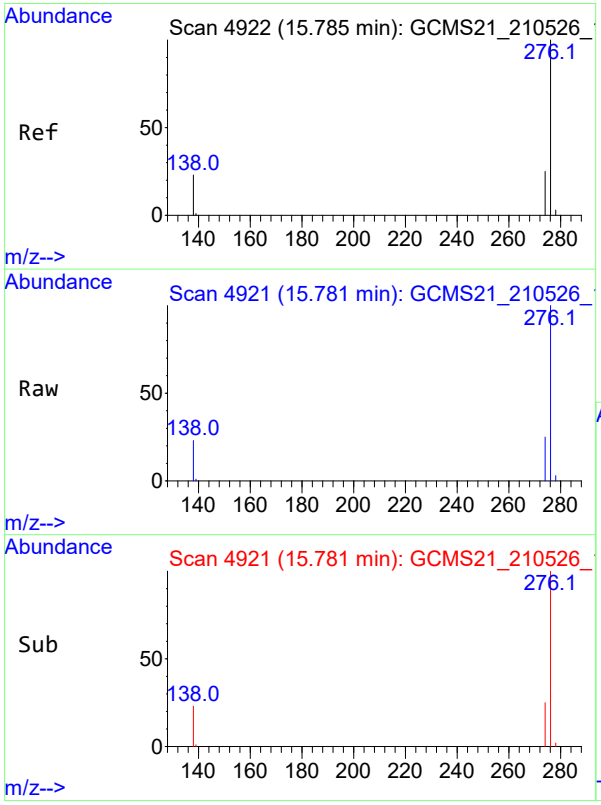


#30
Dibenz(a,h)anthracene
Concen: 763.55 ng/mL
RT: 15.434 min Scan# 4777
Delta R.T. 0.006 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:278 Resp: 807637

Ion	Ratio	Lower	Upper
278	100		
276	32.0	2.7	62.7
139	17.4	0.0	47.4

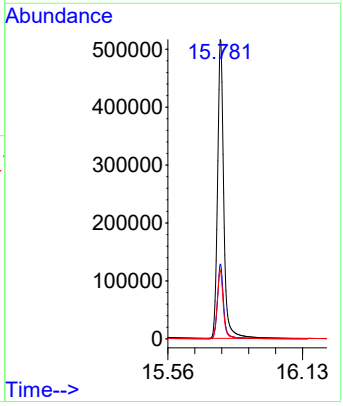




#31
Benzo(g,h,i)perylene
Concen: 751.59 ng/mL
RT: 15.781 min Scan# 4921
Delta R.T. 0.004 min
Lab File: GCMS21_210526_17.D
Acq: 26 May 2021 17:37

Tgt Ion:276 Resp: 926659

Ion	Ratio	Lower	Upper
276	100		
274	24.8	0.0	54.7
138	22.7	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_18.D
Acq On : 26 May 2021 18:02
Operator : MN GCMS21
Sample : CAL10_1000ng/mL
Misc : LIMS 21B0110
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 02 11:56:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

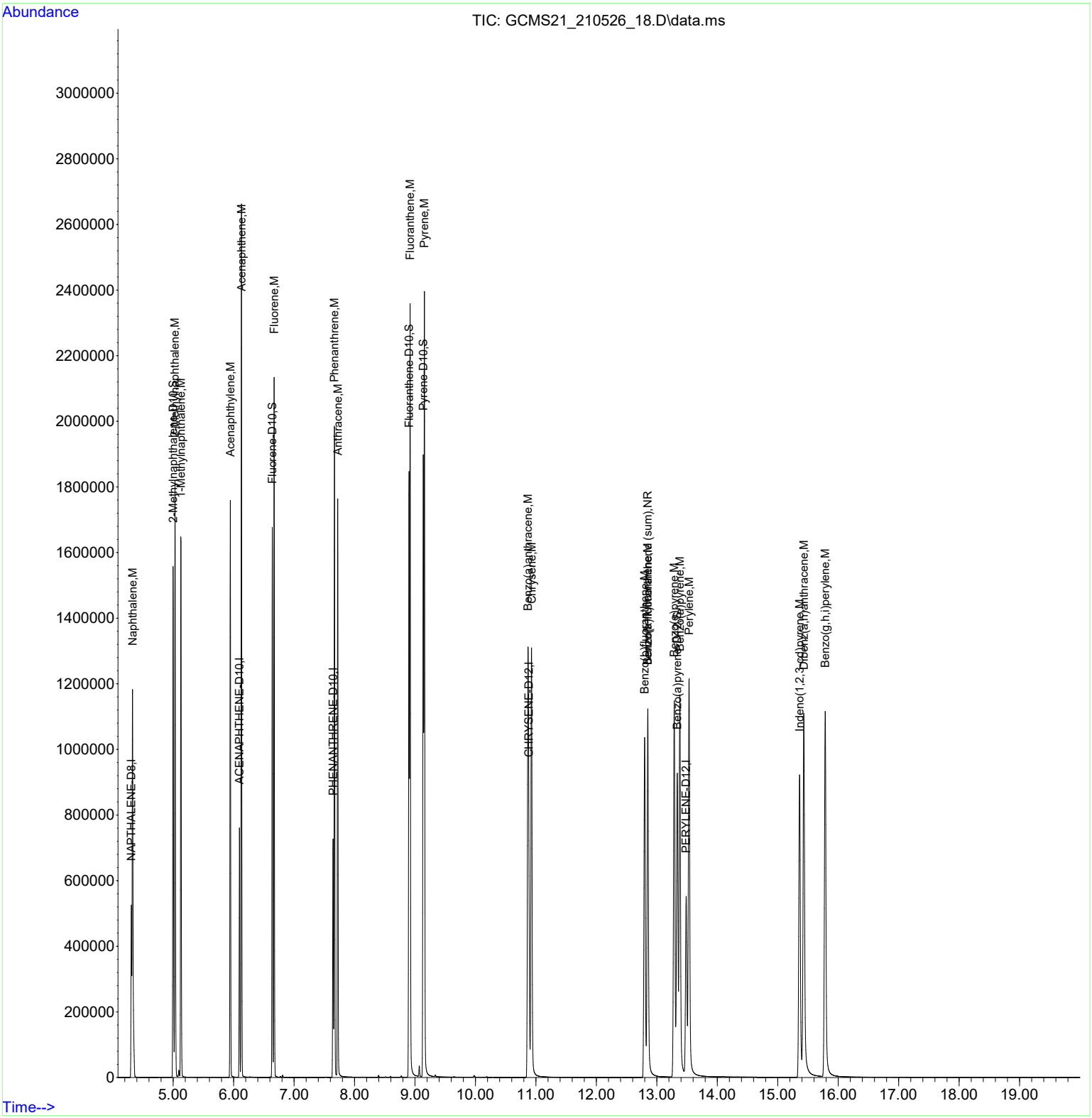
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.308	136	485584	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	275247	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	517910	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	560859	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	618112	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	621008	1002.93	ng/mL	0.00
9) Fluorene-D10	6.639	176	641069	1000.72	ng/mL	0.00
14) Fluoranthene-D10	8.902	212	1182082	1021.66	ng/mL	0.00
17) Pyrene-D10	9.135	212	1291974	1009.90	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.338	264	1099296	1032.36	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.329	128	938690	1007.14	ng/mL	100
4) 2-Methylnaphthalene	5.030	142	669696	1013.42	ng/mL	99
5) 1-Methylnaphthalene	5.129	142	605046	1017.31	ng/mL	99
7) Acenaphthylene	5.945	152	905434	1020.90	ng/mL	100
8) Acenaphthene	6.129	153	680671	1012.40	ng/mL	99
10) Fluorene	6.670	166	776673	1015.85	ng/mL	100
12) Phenanthrene	7.667	178	1168755	1012.67	ng/mL	99
13) Anthracene	7.722	178	1072326	981.76	ng/mL	99
15) Fluoranthene	8.919	202	1349464	1029.60	ng/mL	100
18) Pyrene	9.156	202	1437806	1008.21	ng/mL	100
19) Benzo(a)anthracene	10.868	228	1146119	1015.55	ng/mL	100
20) Chrysene	10.927	228	1305214	1007.47	ng/mL	100
22) Benzo(b)fluoranthene	12.798	252	1242112	1020.62	ng/mL	99
23) Benzo(k)fluoranthene	12.850	252	1379612	1017.58	ng/mL	99
24) benzo(b+k)fluoranthene...	12.850	252	2634152m	2034.55	ng/mL	
25) Benzo(e)pyrene	13.289	252	1270071	1011.93	ng/mL	99
27) Benzo(a)pyrene	13.382	252	1277049	1050.28	ng/mL	99
28) Perylene	13.534	252	1342285	1017.28	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.363	276	1111885	1063.89	ng/mL	100
30) Dibenz(a,h)anthracene	15.430	278	1178695	1060.53	ng/mL	99
31) Benzo(g,h,i)perylene	15.785	276	1341507	1035.52	ng/mL	100

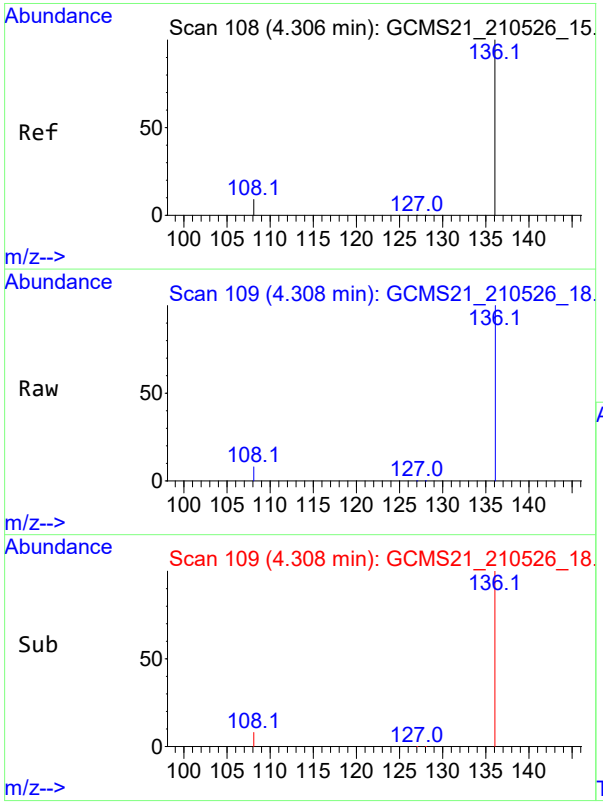
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_18.D
Acq On : 26 May 2021 18:02
Operator : MN GCMS21
Sample : CAL10_1000ng/mL
Misc : LIMS 21B0110
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 02 11:56:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

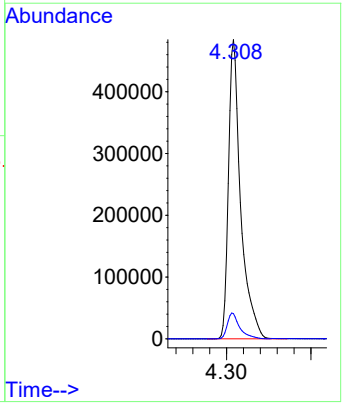


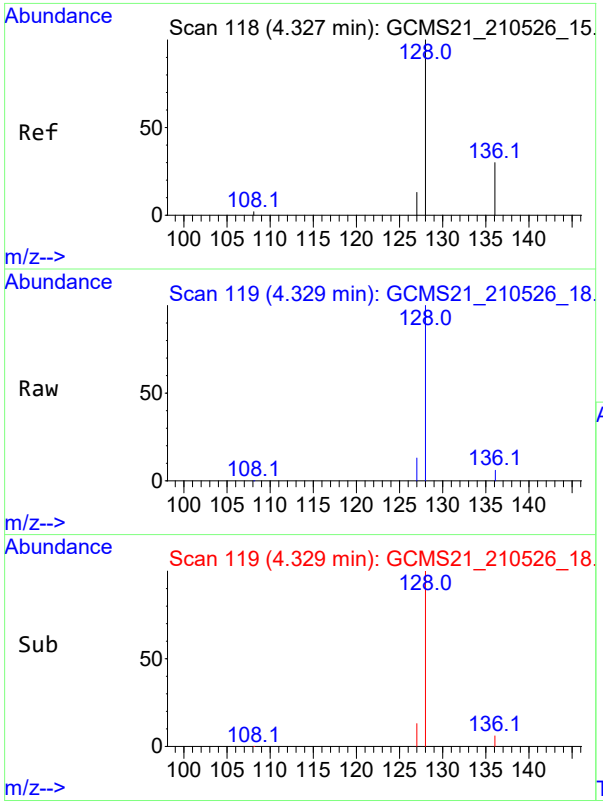


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.308 min Scan# 109
Delta R.T. 0.002 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:136 Resp: 485584

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	29.0

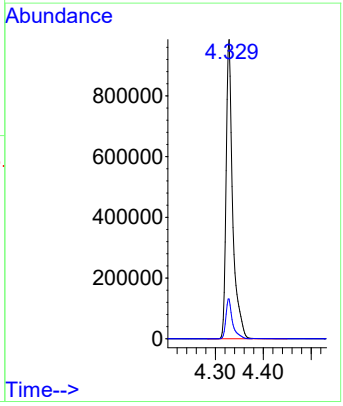


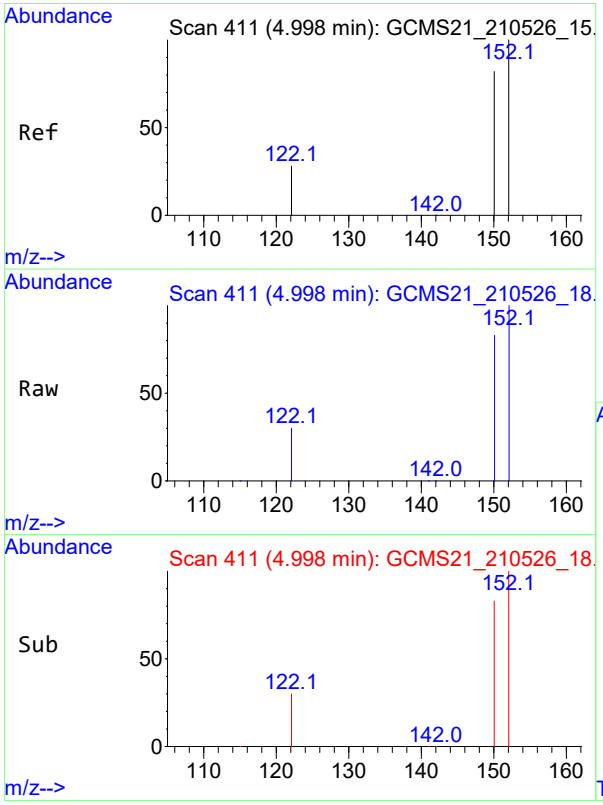


#2
Naphthalene
Concen: 1007.14 ng/mL
RT: 4.329 min Scan# 119
Delta R.T. 0.002 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:128 Resp: 938690

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

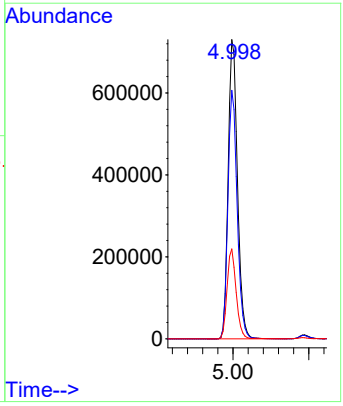


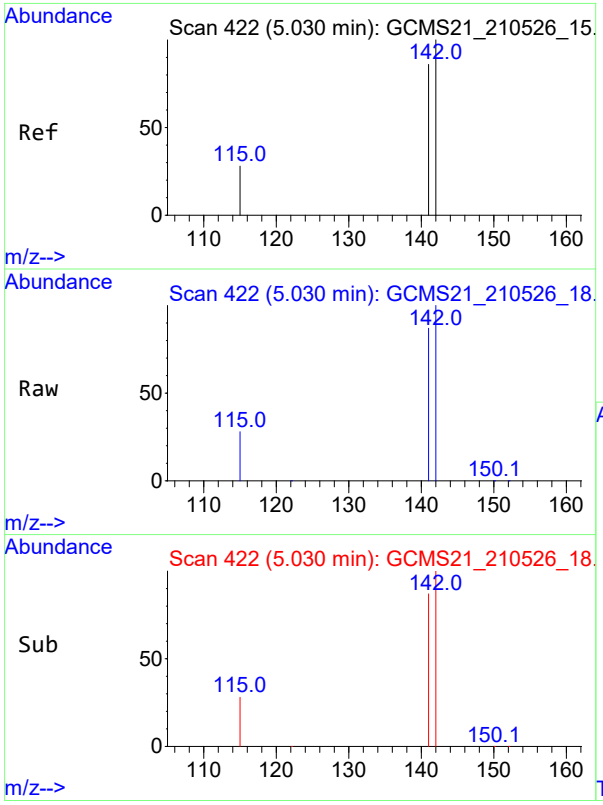


#3
2-Methylnaphthalene-D10
Concen: 1002.93 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:152 Resp: 621008

Ion	Ratio	Lower	Upper
152	100		
150	82.8	57.5	106.7
122	29.5	20.1	37.3

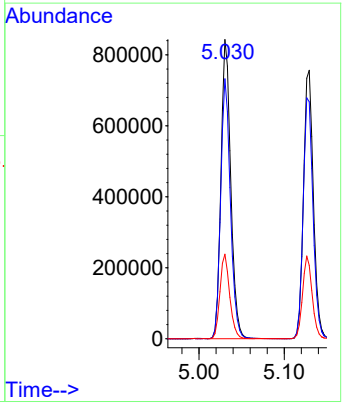


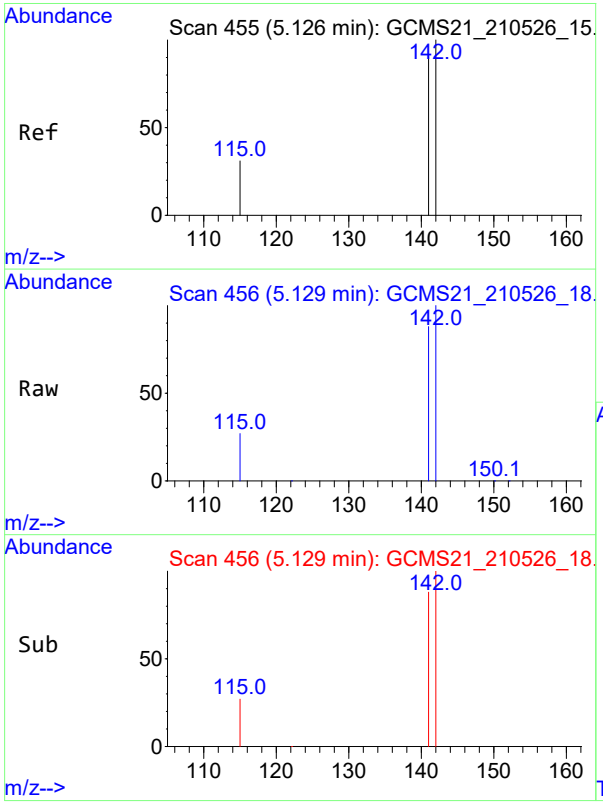


#4
2-Methylnaphthalene
Concen: 1013.42 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:142 Resp: 669696

Ion	Ratio	Lower	Upper
142	100		
141	86.4	56.5	116.5
115	28.2	0.0	59.3

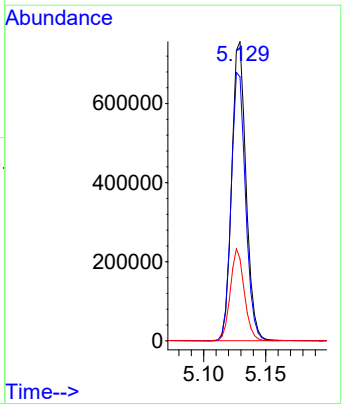


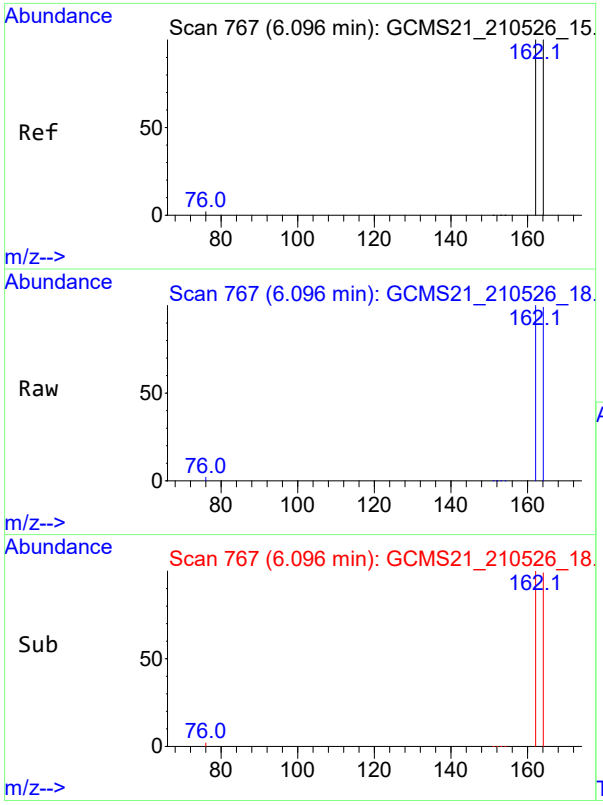


#5
1-Methylnaphthalene
Concen: 1017.31 ng/mL
RT: 5.129 min Scan# 456
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:142 Resp: 605046

Ion	Ratio	Lower	Upper
142	100		
141	90.1	59.6	119.6
115	30.0	1.2	61.2

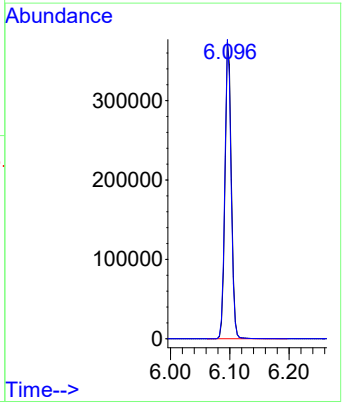


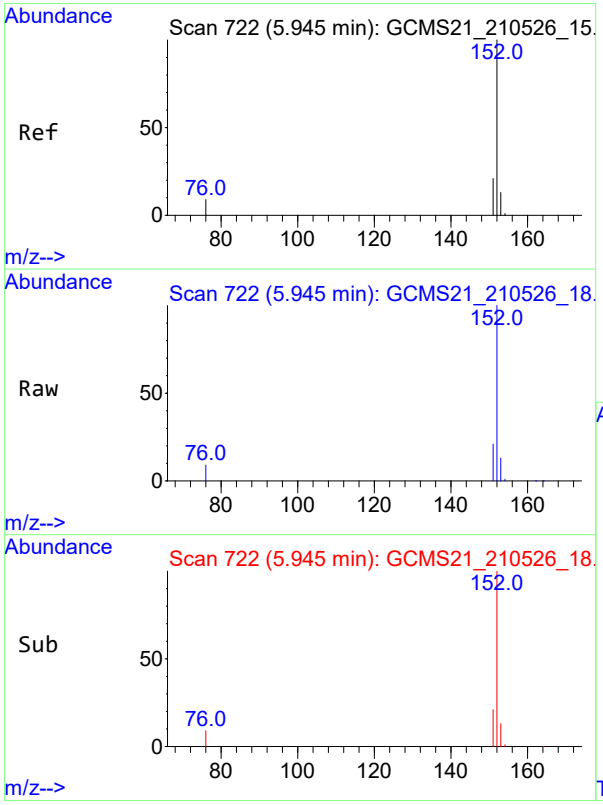


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:164 Resp: 275247

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.5	119.5

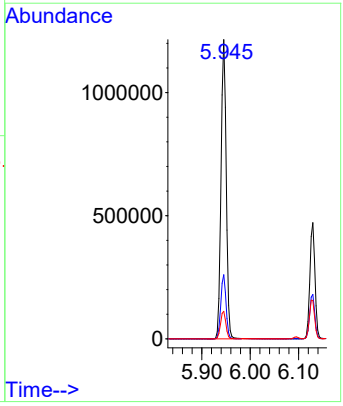


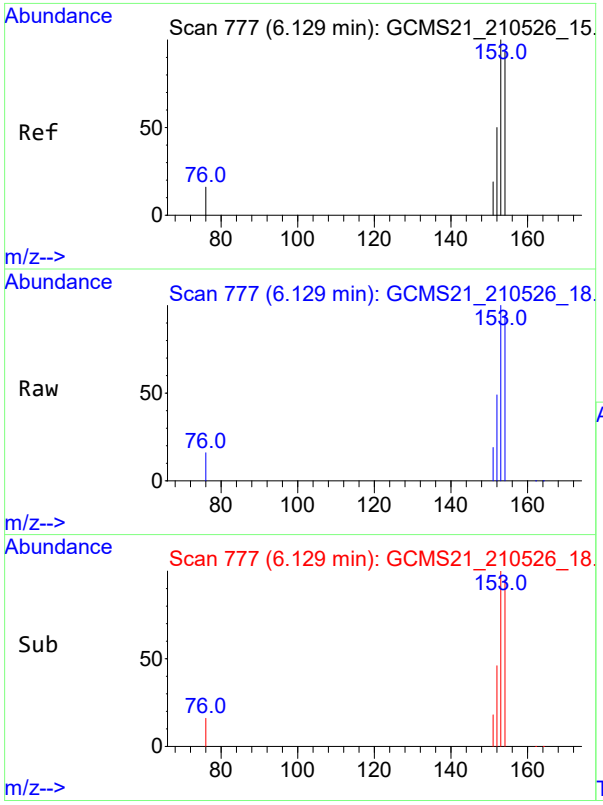


#7
Acenaphthylene
Concen: 1020.90 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:152 Resp: 905434

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	51.5
76	9.4	0.0	39.5

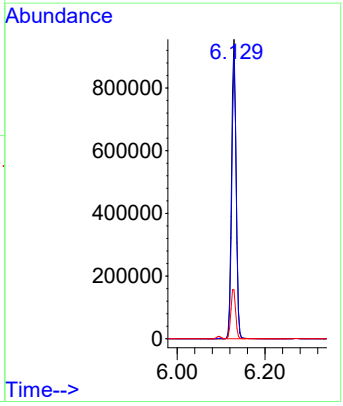


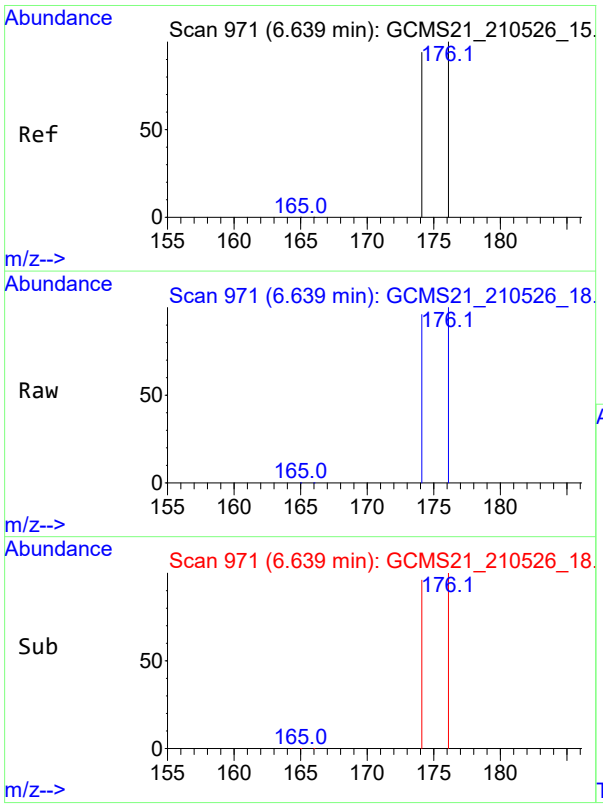


#8
Acenaphthene
Concen: 1012.40 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:153 Resp: 680671

Ion	Ratio	Lower	Upper
153	100		
154	92.9	61.9	121.9
76	17.4	0.0	47.6

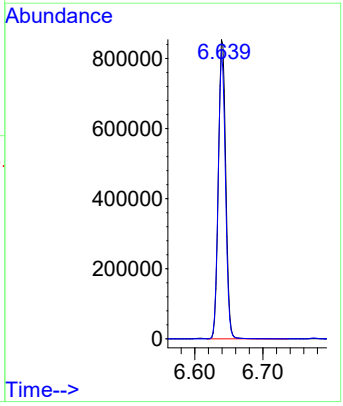


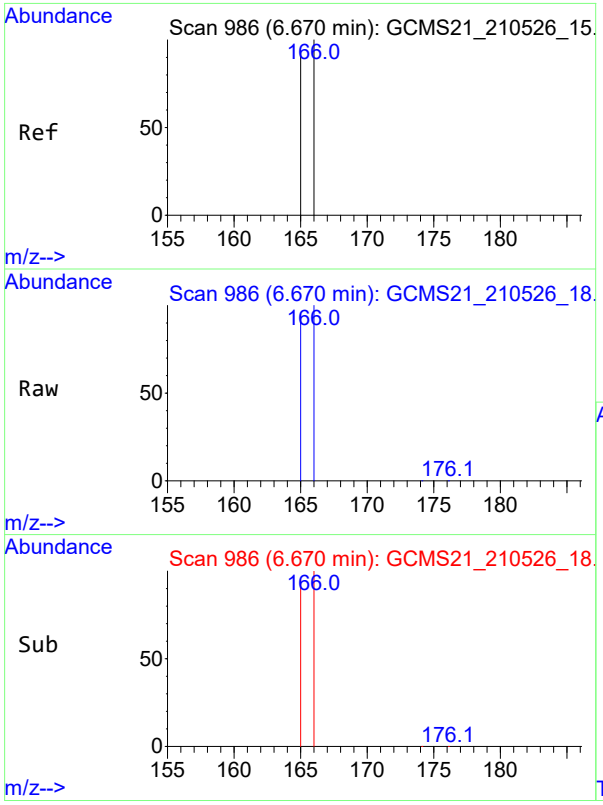


#9
Fluorene-D10
Concen: 1000.72 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:176 Resp: 641069

Ion	Ratio	Lower	Upper
176	100		
174	94.6	66.0	122.6

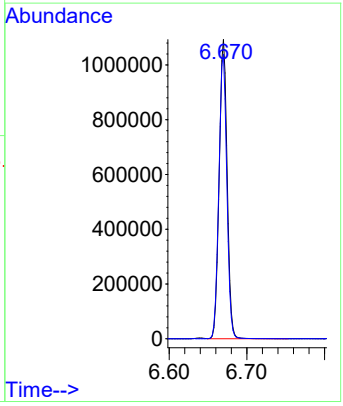


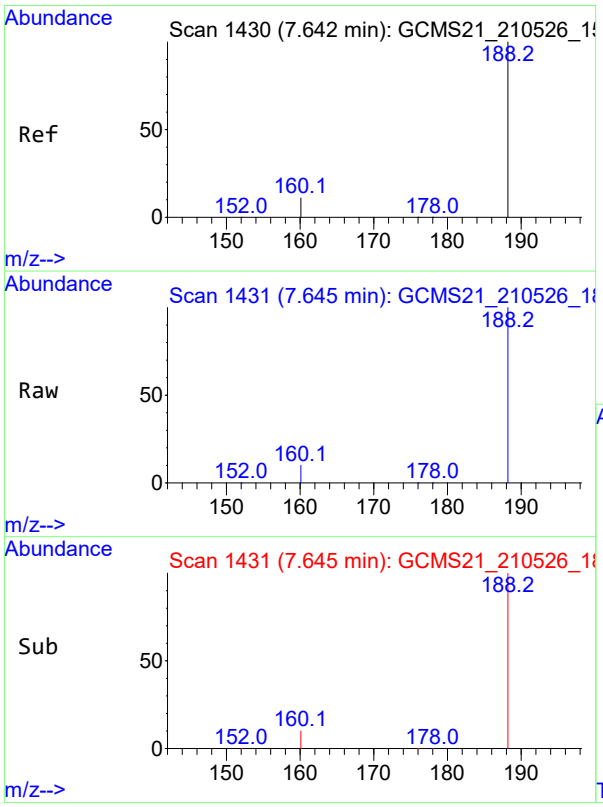


#10
Fluorene
Concen: 1015.85 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:166 Resp: 776673

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.4	125.4

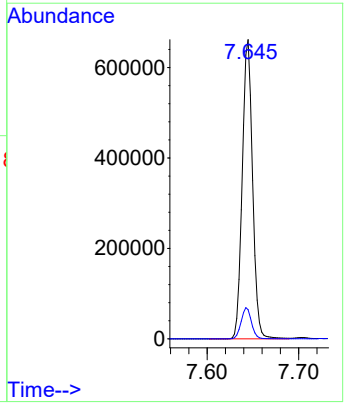


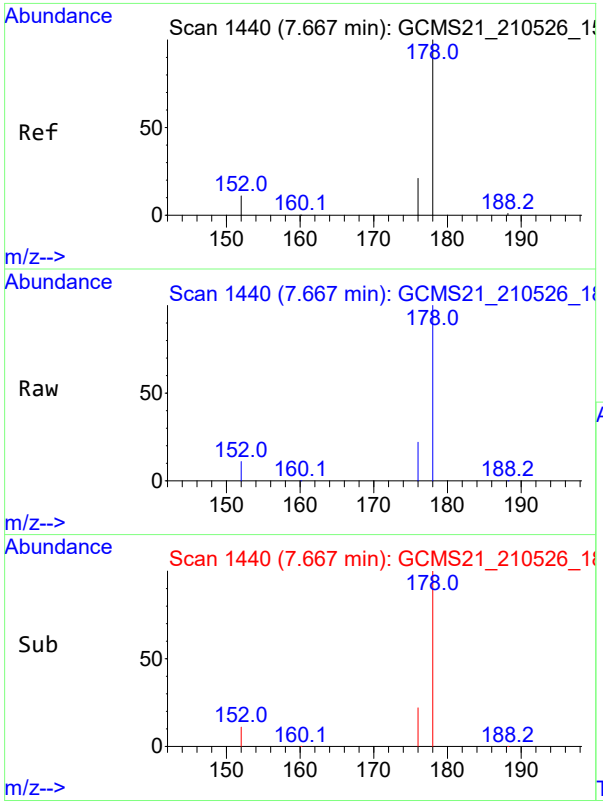


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.002 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:188 Resp: 517910

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

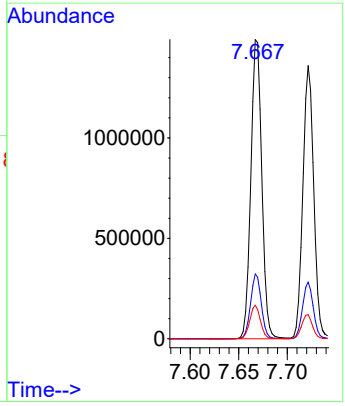


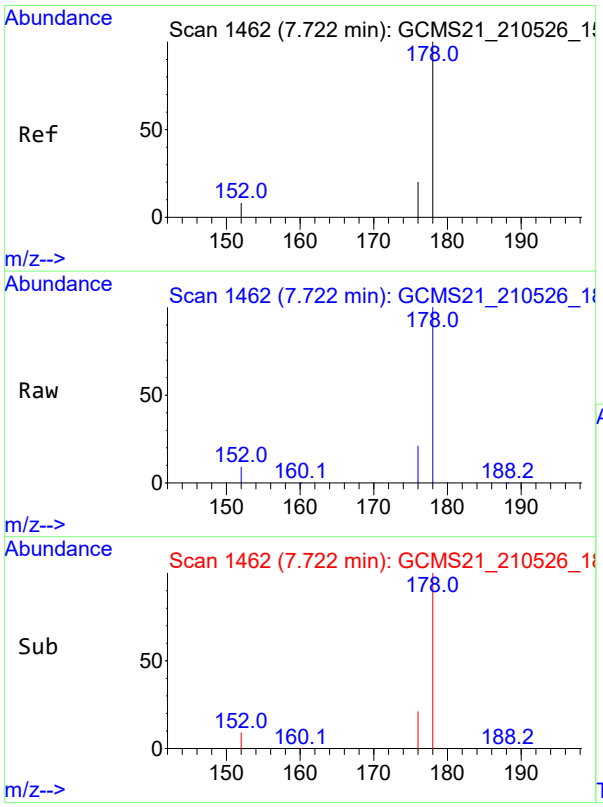


#12
Phenanthrene
Concen: 1012.67 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:178 Resp: 1168755

Ion	Ratio	Lower	Upper
178	100		
176	21.2	0.0	50.9
152	10.9	0.0	40.7

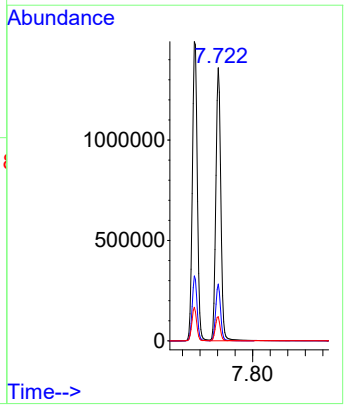


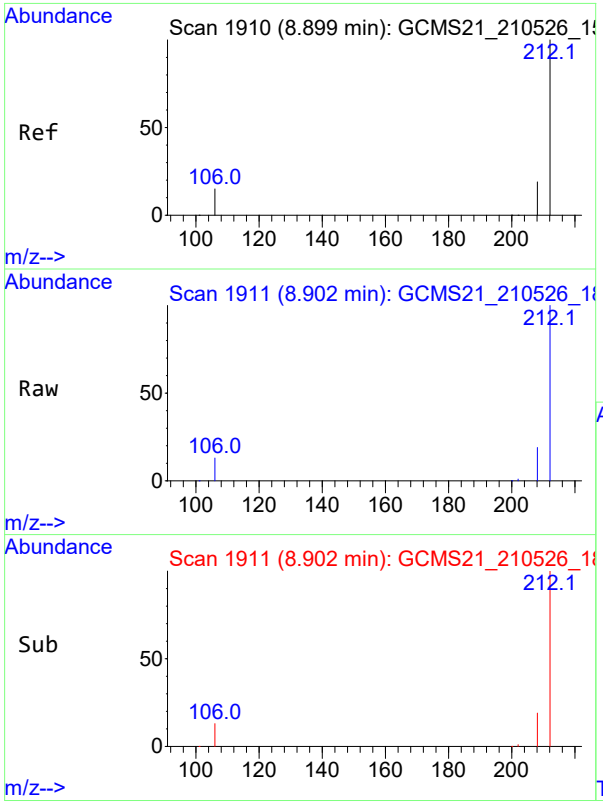


#13
Anthracene
Concen: 981.76 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:178 Resp: 1072326

Ion	Ratio	Lower	Upper
178	100		
176	20.5	0.0	50.2
152	8.8	0.0	38.7

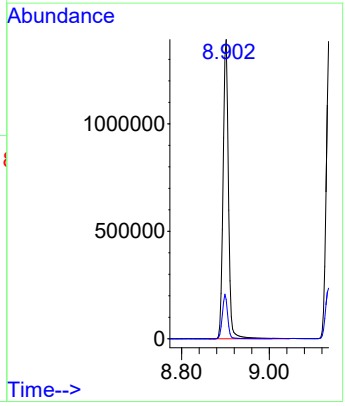


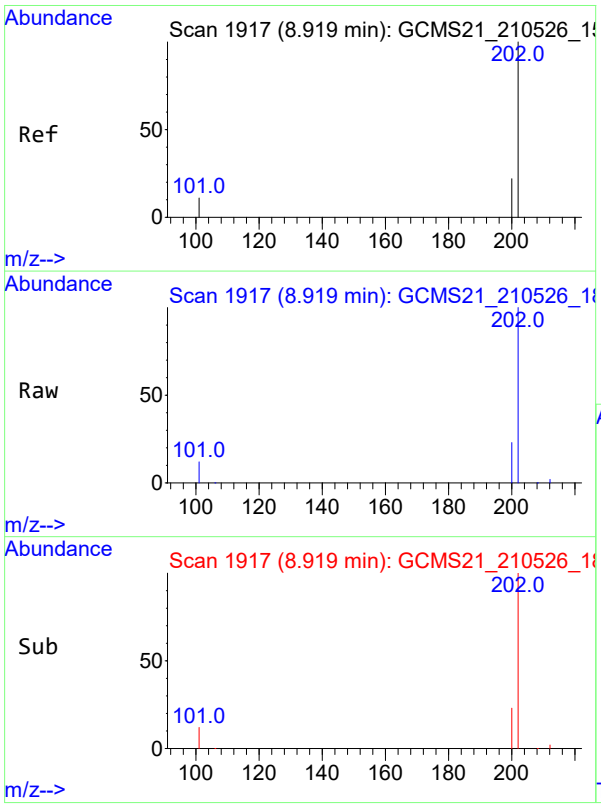


#14
Fluoranthene-D10
Concen: 1021.66 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:212 Resp: 1182082

Ion	Ratio	Lower	Upper
212	100		
106	14.9	10.6	19.6

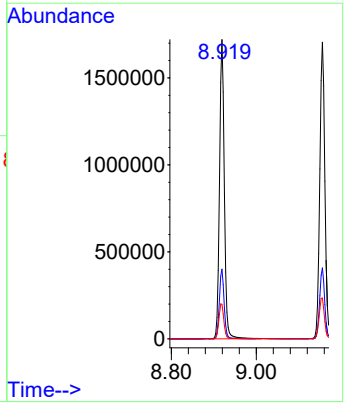


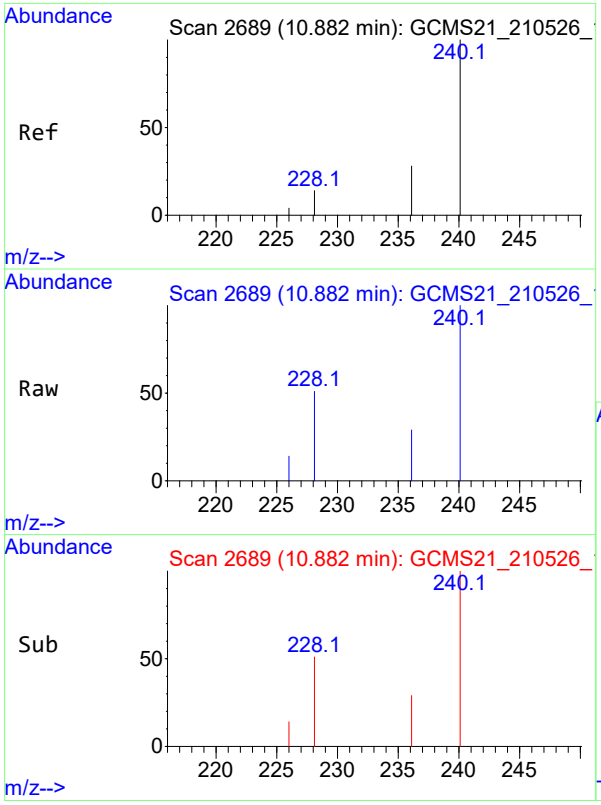


#15
Fluoranthene
Concen: 1029.60 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:202 Resp: 1349464

Ion	Ratio	Lower	Upper
202	100		
200	23.3	0.0	53.2
101	12.3	0.0	42.4

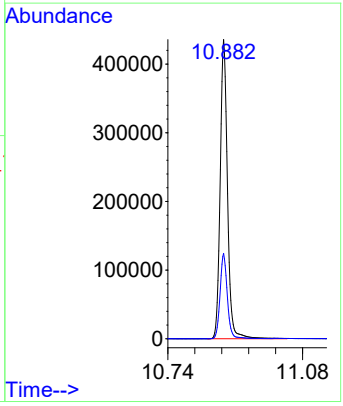


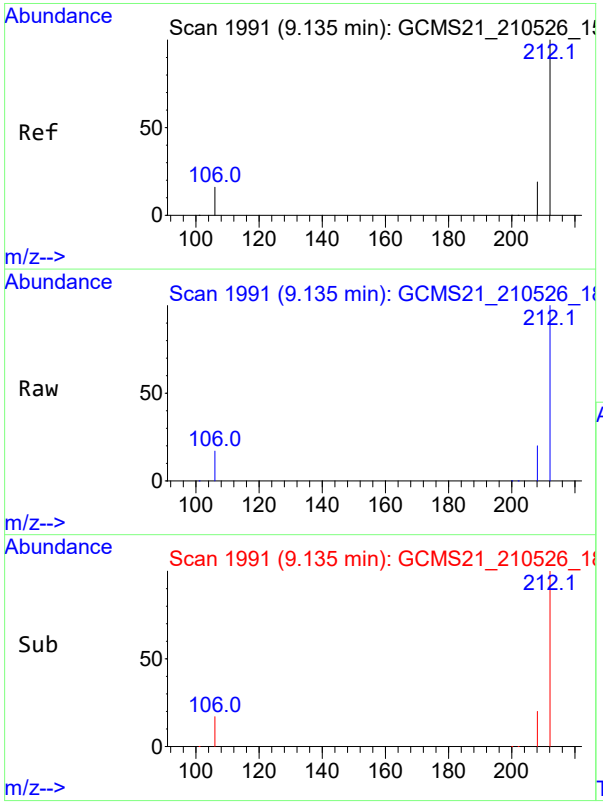


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:240 Resp: 560859

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

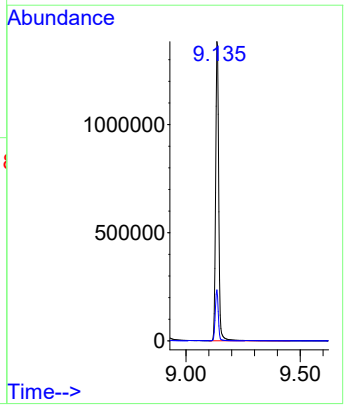


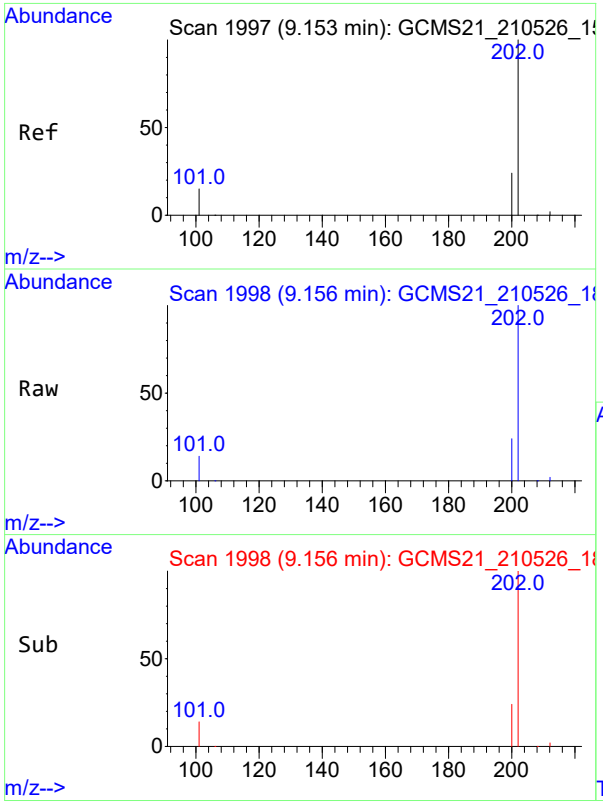


#17
Pyrene-D10
Concen: 1009.90 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:212 Resp: 1291974

Ion	Ratio	Lower	Upper
212	100		
106	17.0	12.2	22.6

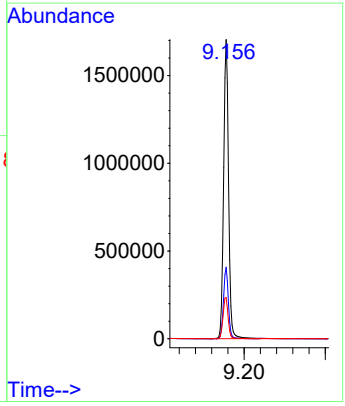


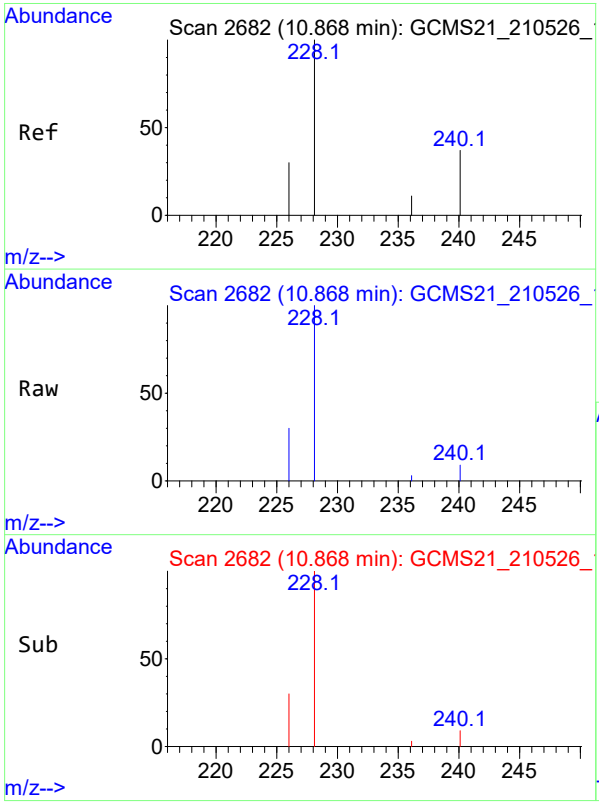


#18
Pyrene
Concen: 1008.21 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:202 Resp: 1437806

Ion	Ratio	Lower	Upper
202	100		
200	23.7	0.0	53.6
101	14.4	0.0	44.4

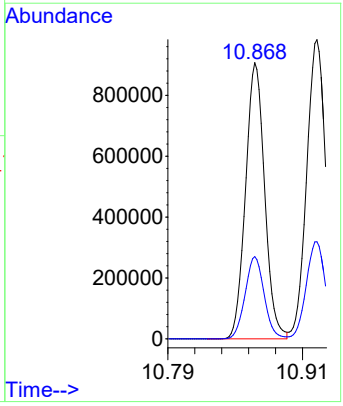


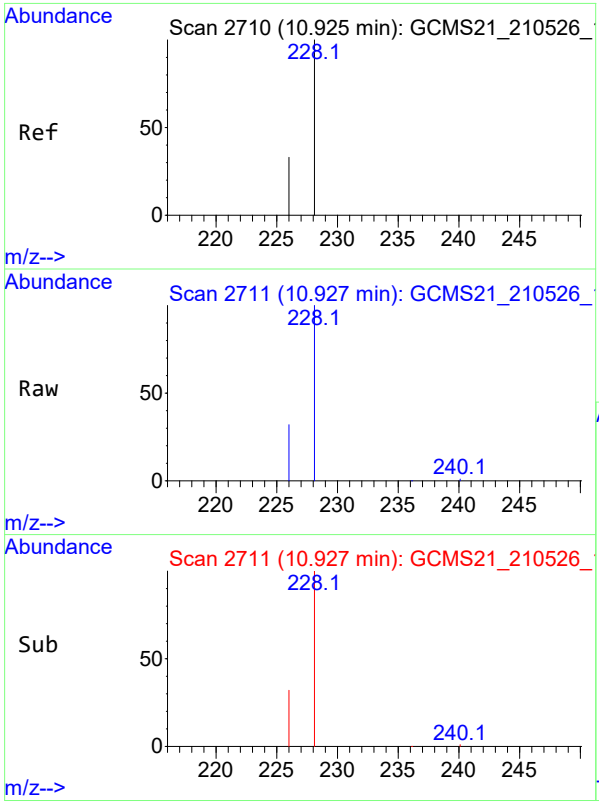


#19
Benzo(a)anthracene
Concen: 1015.55 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:228 Resp: 1146119

Ion	Ratio	Lower	Upper
228	100		
226	29.7	0.0	59.6

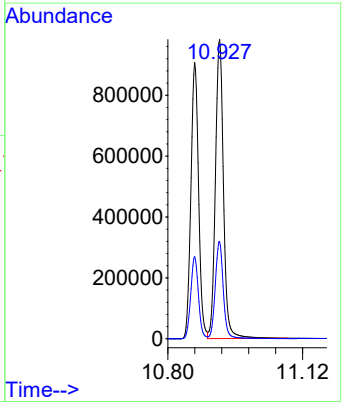


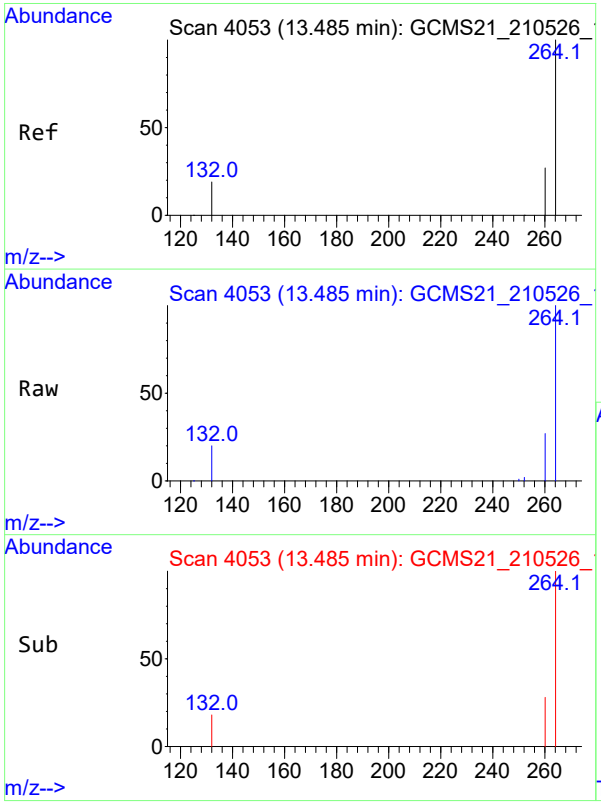


#20
Chrysene
Concen: 1007.47 ng/mL
RT: 10.927 min Scan# 2711
Delta R.T. 0.002 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:228 Resp: 1305214

Ion	Ratio	Lower	Upper
228	100		
226	32.5	2.5	62.5

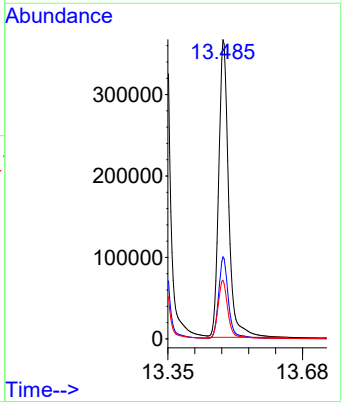


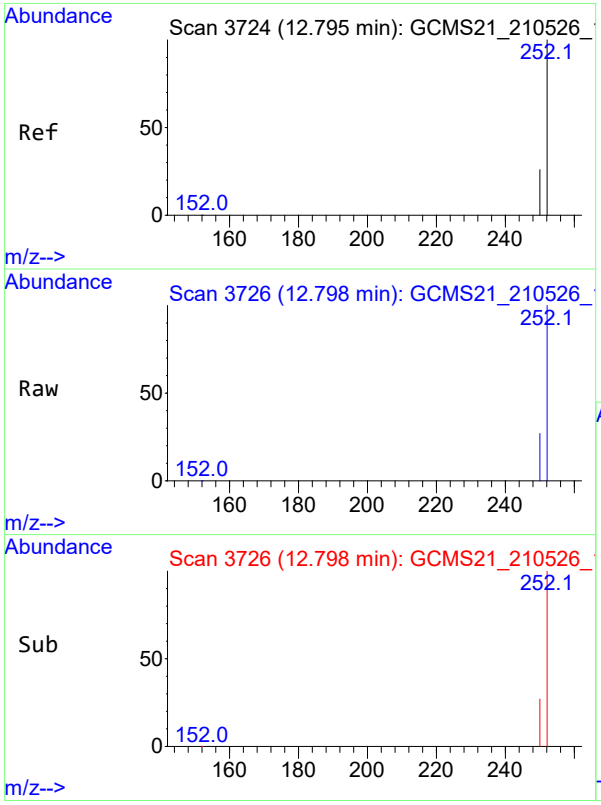


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:264 Resp: 618112

Ion	Ratio	Lower	Upper
264	100		
260	27.3	0.0	57.5
132	19.7	0.0	49.9

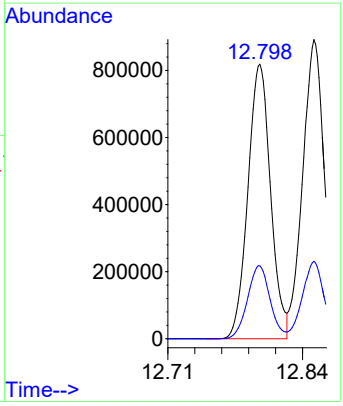


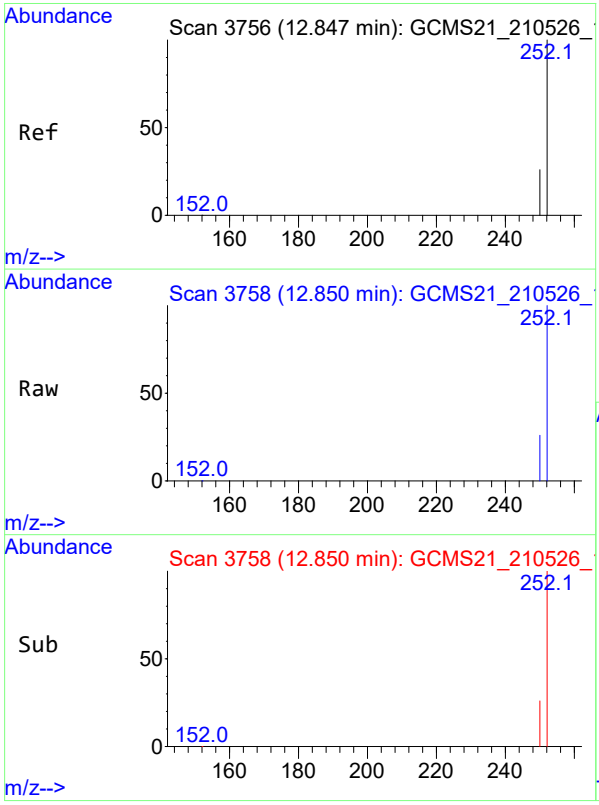


#22
Benzo(b)fluoranthene
Concen: 1020.62 ng/mL
RT: 12.798 min Scan# 3726
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1242112

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	56.2

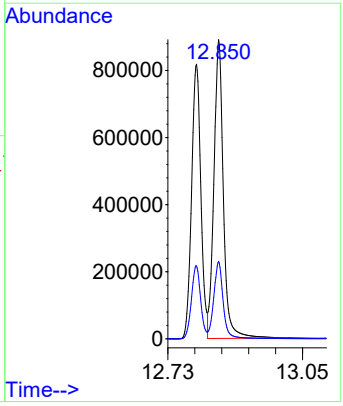


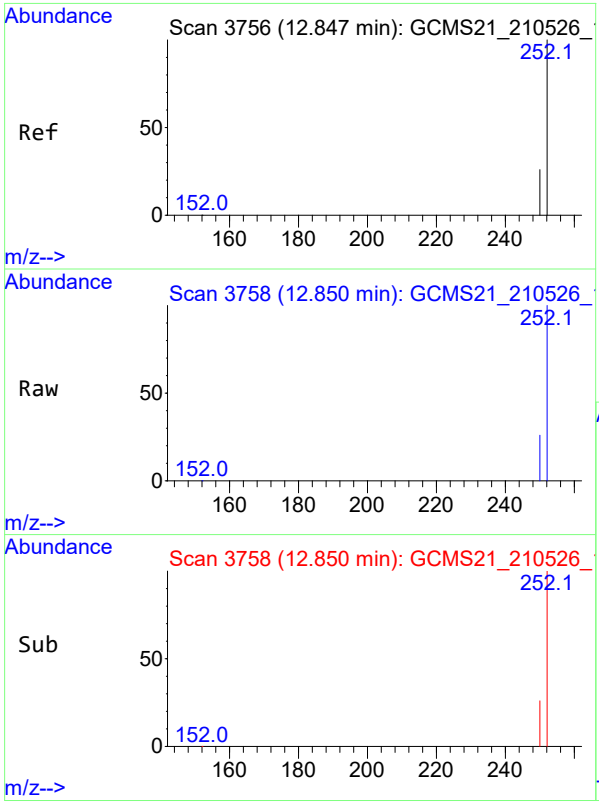


#23
Benzo(k)fluoranthene
Concen: 1017.58 ng/mL
RT: 12.850 min Scan# 3758
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1379612

Ion	Ratio	Lower	Upper
252	100		
250	25.8	0.0	55.4

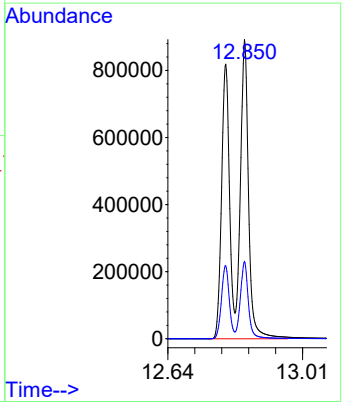


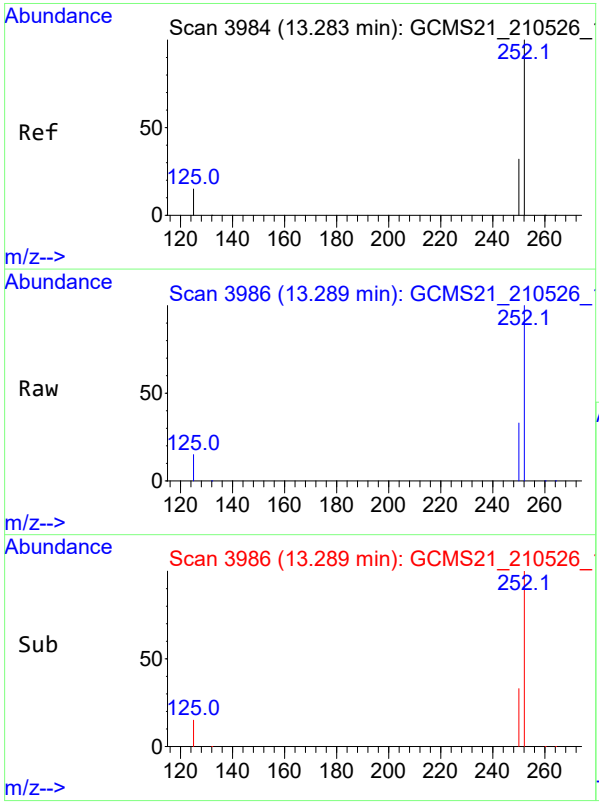


#24
benzo(b+k)fluoranthene (sum)
Concen: 2034.55 ng/mL m
RT: 12.850 min Scan# 3758
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 2634152

Ion	Ratio	Lower	Upper
252	100		
250	26.2	0.0	56.3

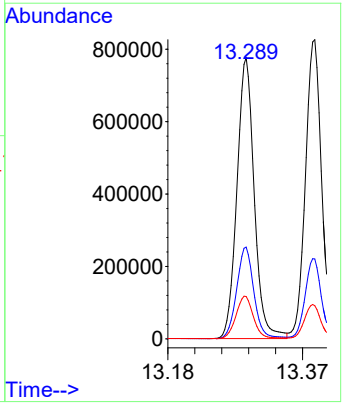


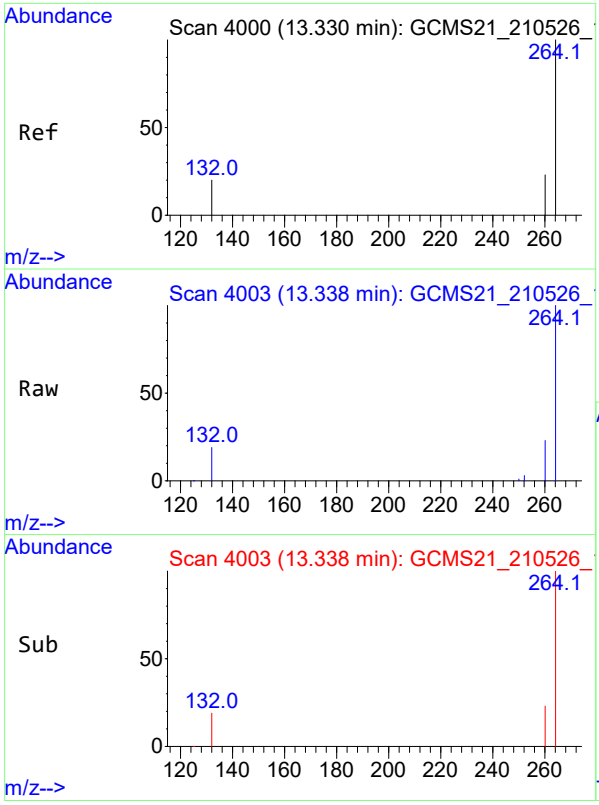


#25
Benzo(e)pyrene
Concen: 1011.93 ng/mL
RT: 13.289 min Scan# 3986
Delta R.T. 0.006 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1270071

Ion	Ratio	Lower	Upper
252	100		
250	32.5	2.4	62.4
125	15.4	0.0	46.0

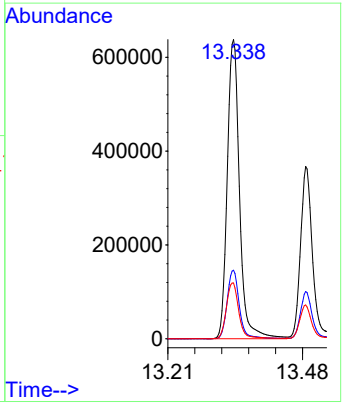


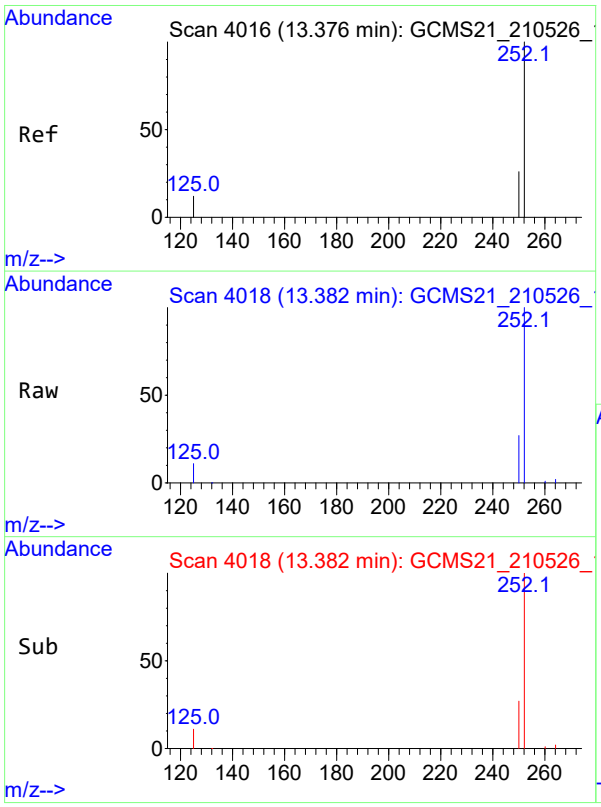


#26
Benzo(a)pyrene-D12
Concen: 1032.36 ng/mL
RT: 13.338 min Scan# 4003
Delta R.T. 0.009 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:264 Resp: 1099296

Ion	Ratio	Lower	Upper
264	100		
260	22.8	0.0	52.7
132	18.9	0.0	49.5

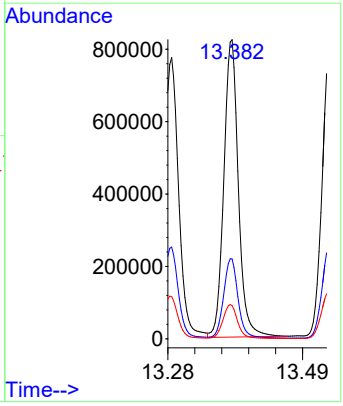


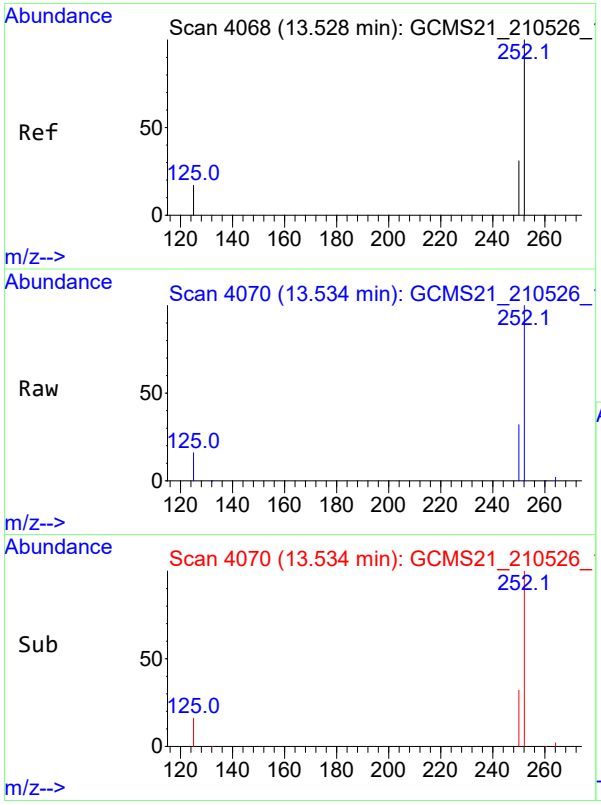


#27
Benzo(a)pyrene
Concen: 1050.28 ng/mL
RT: 13.382 min Scan# 4018
Delta R.T. 0.006 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1277049

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	57.2
125	11.5	0.0	42.3

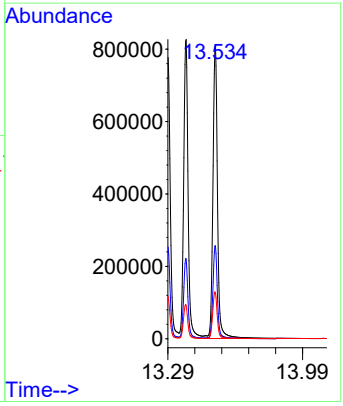


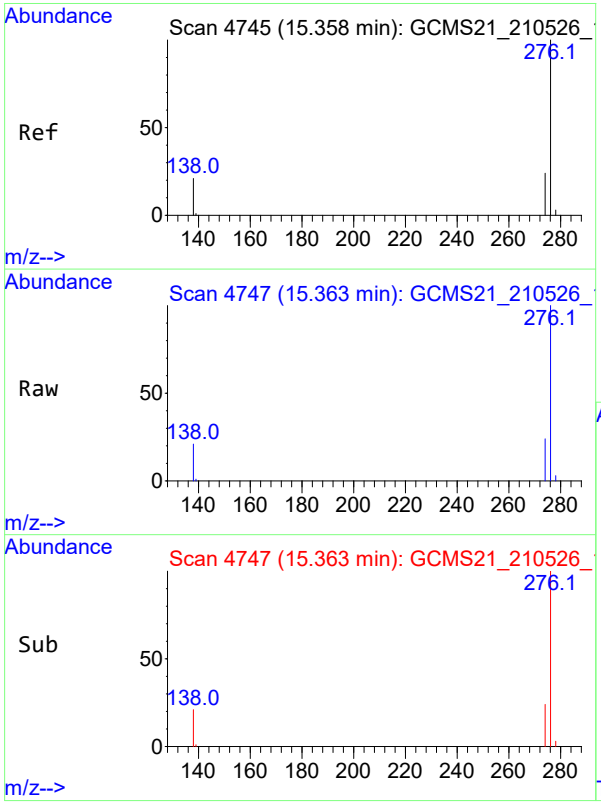


#28
Perylene
Concen: 1017.28 ng/mL
RT: 13.534 min Scan# 4070
Delta R.T. 0.006 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1342285

Ion	Ratio	Lower	Upper
252	100		
250	31.4	1.1	61.1
125	16.0	0.0	46.2

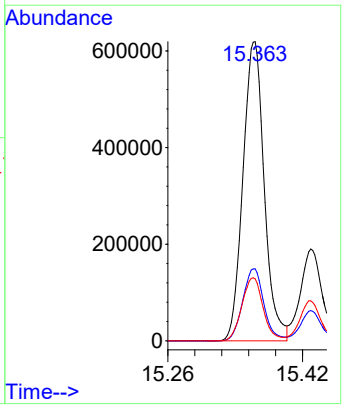


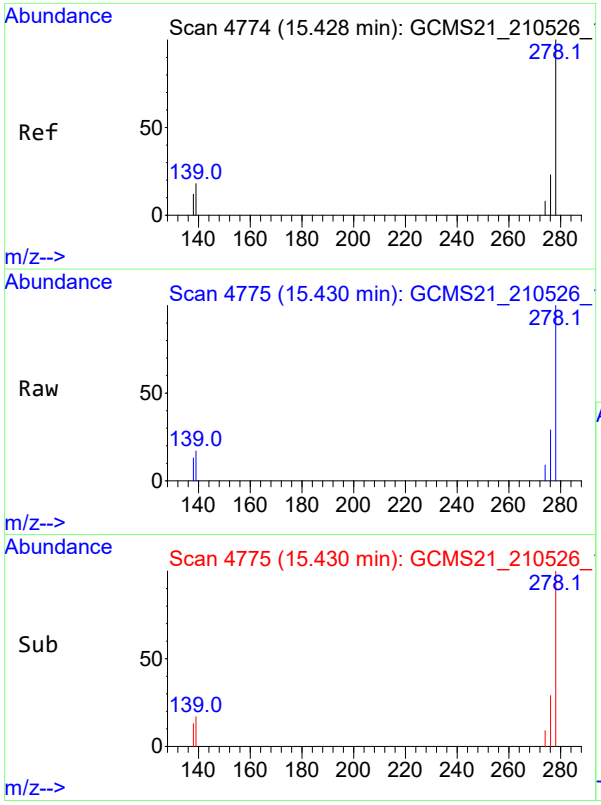


#29
Indeno(1,2,3-cd)pyrene
Concen: 1063.89 ng/mL
RT: 15.363 min Scan# 4747
Delta R.T. 0.005 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:276 Resp: 1111885

Ion	Ratio	Lower	Upper
276	100		
274	23.9	0.0	53.7
138	21.0	0.0	51.1

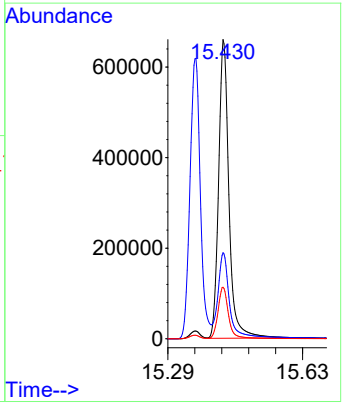


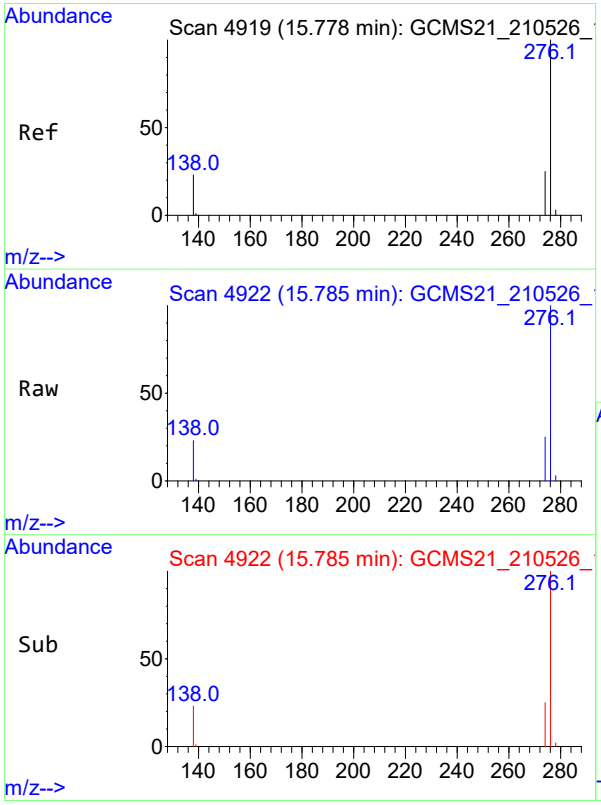


#30
Dibenz(a,h)anthracene
Concen: 1060.53 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:278 Resp: 1178695

Ion	Ratio	Lower	Upper
278	100		
276	31.9	2.7	62.7
139	17.3	0.0	47.4

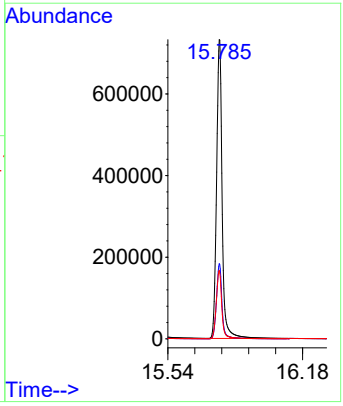




#31
Benzo(g,h,i)perylene
Concen: 1035.52 ng/mL
RT: 15.785 min Scan# 4922
Delta R.T. 0.007 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:276 Resp: 1341507

Ion	Ratio	Lower	Upper
276	100		
274	24.9	0.0	54.7
138	22.7	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_18.D
Acq On : 26 May 2021 18:02
Operator : MN GCMS21
Sample : CAL10_1000ng/mL
Misc : LIMS 21B0110
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 02 11:56:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

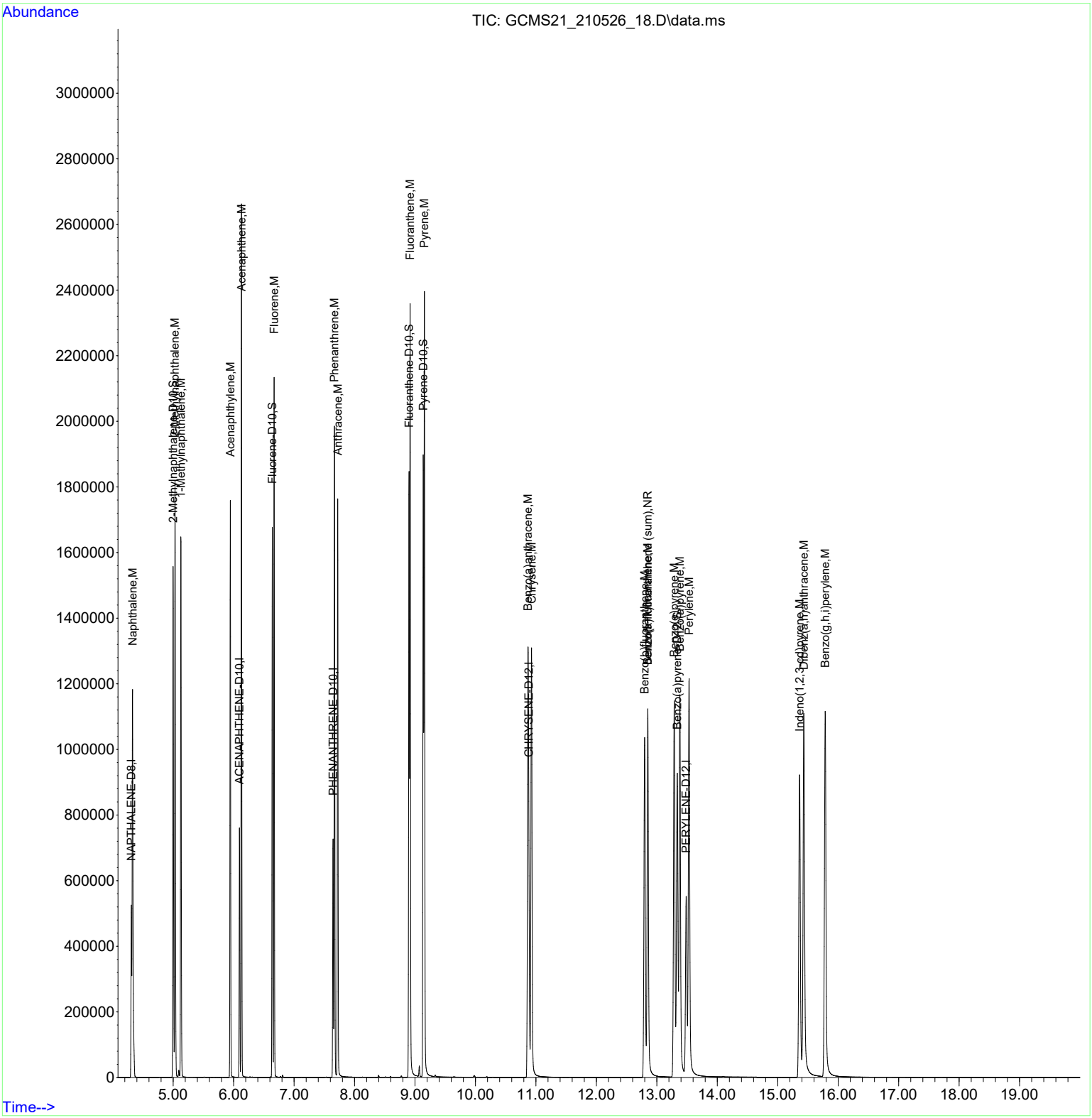
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.308	136	485584	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	275247	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	517910	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	560859	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	618112	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	621008	1002.93	ng/mL	0.00
9) Fluorene-D10	6.639	176	641069	1000.72	ng/mL	0.00
14) Fluoranthene-D10	8.902	212	1182082	1021.66	ng/mL	0.00
17) Pyrene-D10	9.135	212	1291974	1009.90	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.338	264	1099296	1032.36	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.329	128	938690	1007.14	ng/mL	100
4) 2-Methylnaphthalene	5.030	142	669696	1013.42	ng/mL	99
5) 1-Methylnaphthalene	5.129	142	605046	1017.31	ng/mL	99
7) Acenaphthylene	5.945	152	905434	1020.90	ng/mL	100
8) Acenaphthene	6.129	153	680671	1012.40	ng/mL	99
10) Fluorene	6.670	166	776673	1015.85	ng/mL	100
12) Phenanthrene	7.667	178	1168755	1012.67	ng/mL	99
13) Anthracene	7.722	178	1072326	981.76	ng/mL	99
15) Fluoranthene	8.919	202	1349464	1029.60	ng/mL	100
18) Pyrene	9.156	202	1437806	1008.21	ng/mL	100
19) Benzo(a)anthracene	10.868	228	1146119	1015.55	ng/mL	100
20) Chrysene	10.927	228	1305214	1007.47	ng/mL	100
22) Benzo(b)fluoranthene	12.798	252	1242112	1020.62	ng/mL	99
23) Benzo(k)fluoranthene	12.850	252	1379612	1017.58	ng/mL	99
24) benzo(b+k)fluoranthene...	12.850	252	1385046	1069.78	ng/mL	99
25) Benzo(e)pyrene	13.289	252	1270071	1011.93	ng/mL	99
27) Benzo(a)pyrene	13.382	252	1277049	1050.28	ng/mL	99
28) Perylene	13.534	252	1342285	1017.28	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.363	276	1111885	1063.89	ng/mL	100
30) Dibenz(a,h)anthracene	15.430	278	1178695	1060.53	ng/mL	99
31) Benzo(g,h,i)perylene	15.785	276	1341507	1035.52	ng/mL	100

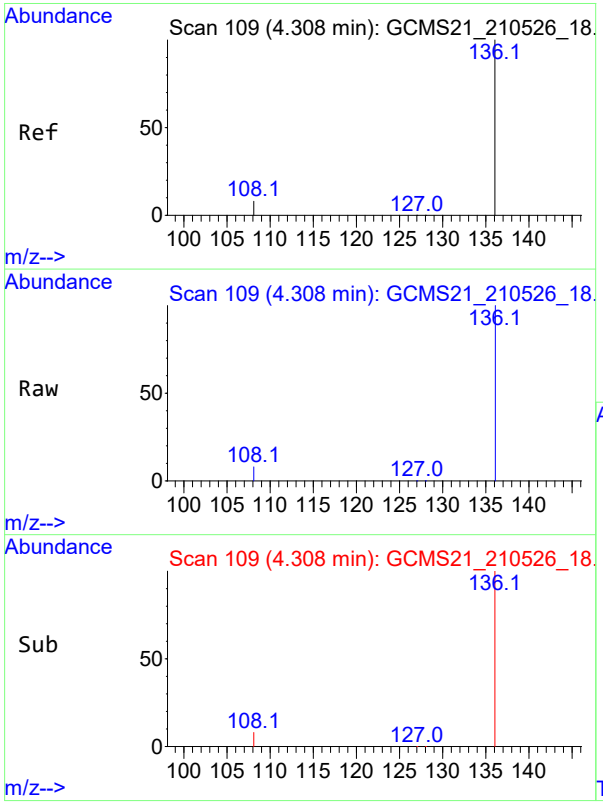
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_18.D
Acq On : 26 May 2021 18:02
Operator : MN GCMS21
Sample : CAL10_1000ng/mL
Misc : LIMS 21B0110
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 02 11:56:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 11:53:07 2021
Response via : Initial Calibration

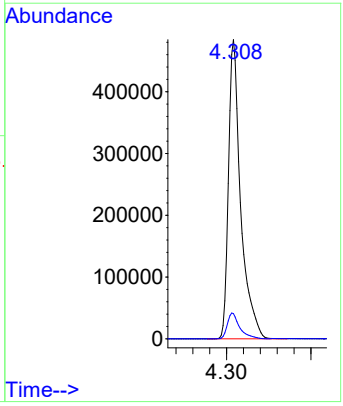


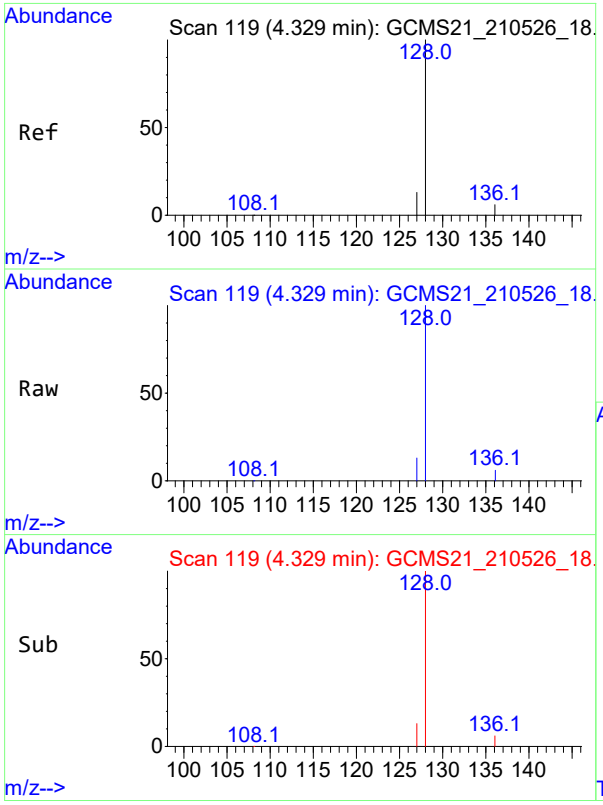


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.308 min Scan# 109
Delta R.T. 0.002 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:136 Resp: 485584

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	29.0

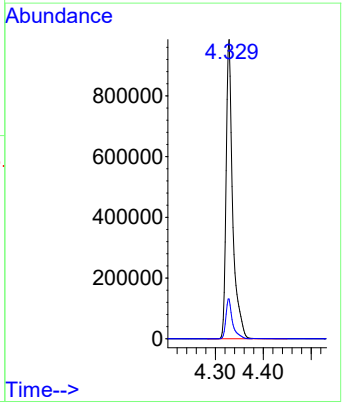


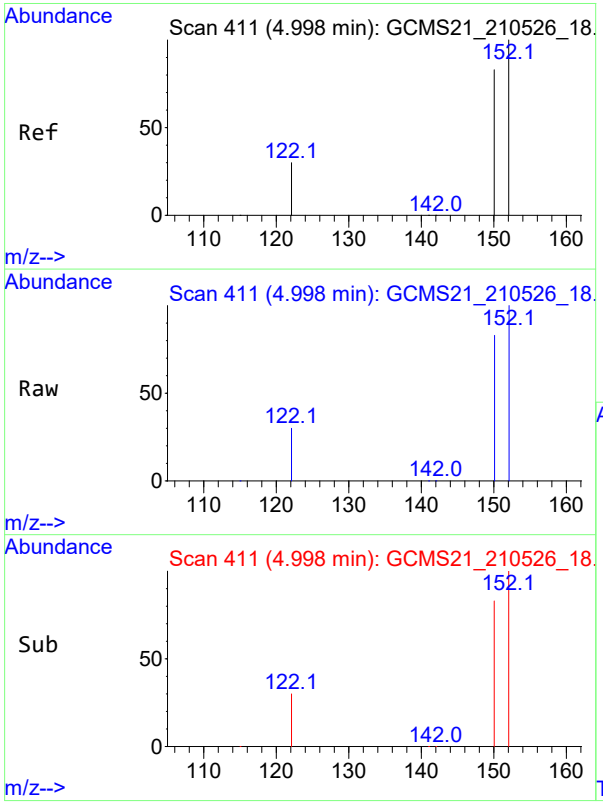


#2
Naphthalene
Concen: 1007.14 ng/mL
RT: 4.329 min Scan# 119
Delta R.T. 0.002 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:128 Resp: 938690

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

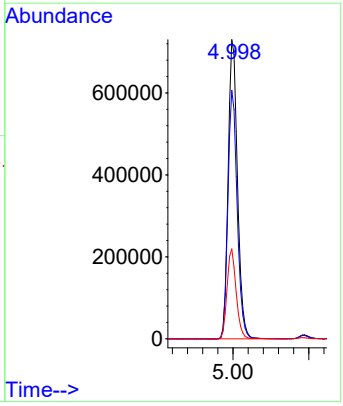


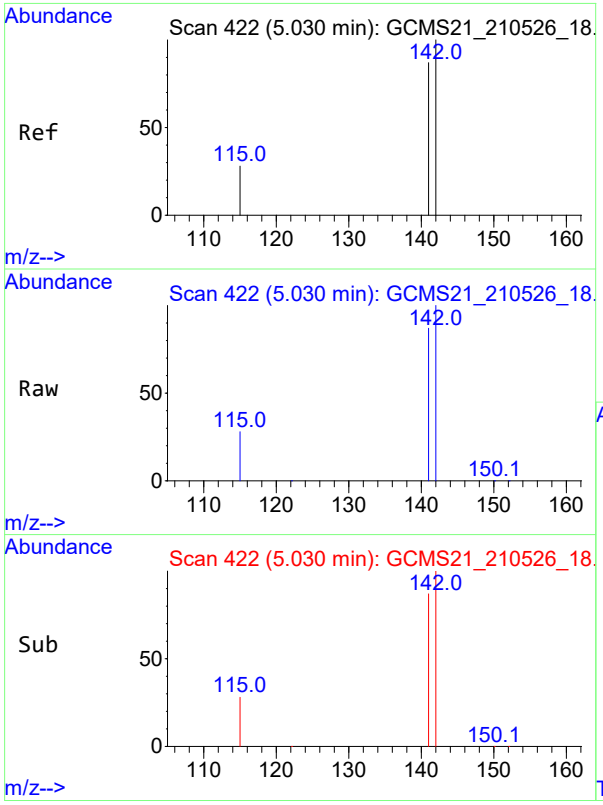


#3
2-Methylnaphthalene-D10
Concen: 1002.93 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:152 Resp: 621008

Ion	Ratio	Lower	Upper
152	100		
150	82.8	57.5	106.7
122	29.5	20.1	37.3

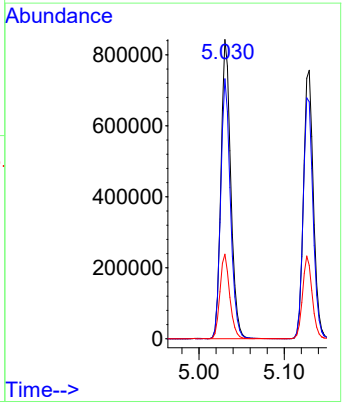


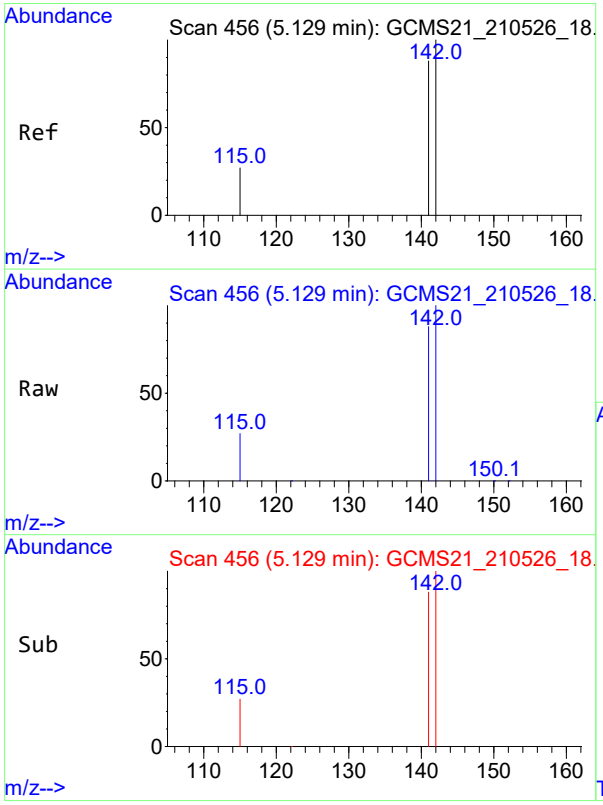


#4
2-Methylnaphthalene
Concen: 1013.42 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:142 Resp: 669696

Ion	Ratio	Lower	Upper
142	100		
141	86.4	56.5	116.5
115	28.2	0.0	59.3

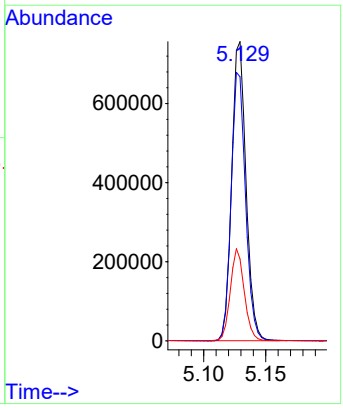


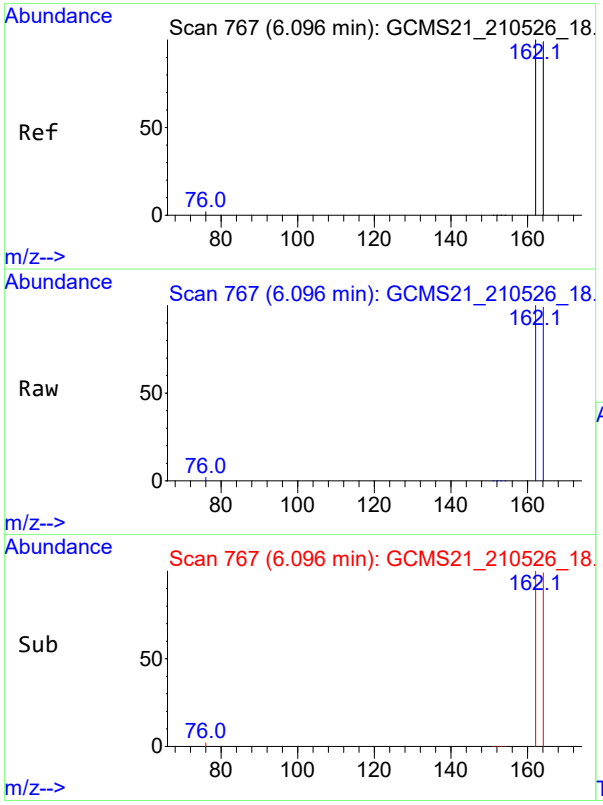


#5
1-Methylnaphthalene
Concen: 1017.31 ng/mL
RT: 5.129 min Scan# 456
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:142 Resp: 605046

Ion	Ratio	Lower	Upper
142	100		
141	90.1	59.6	119.6
115	30.0	1.2	61.2

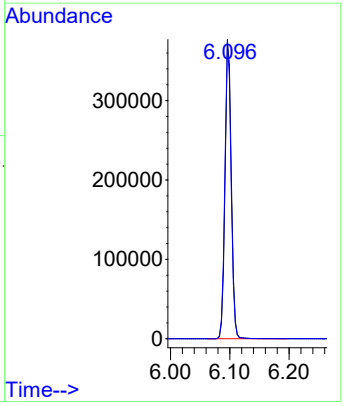


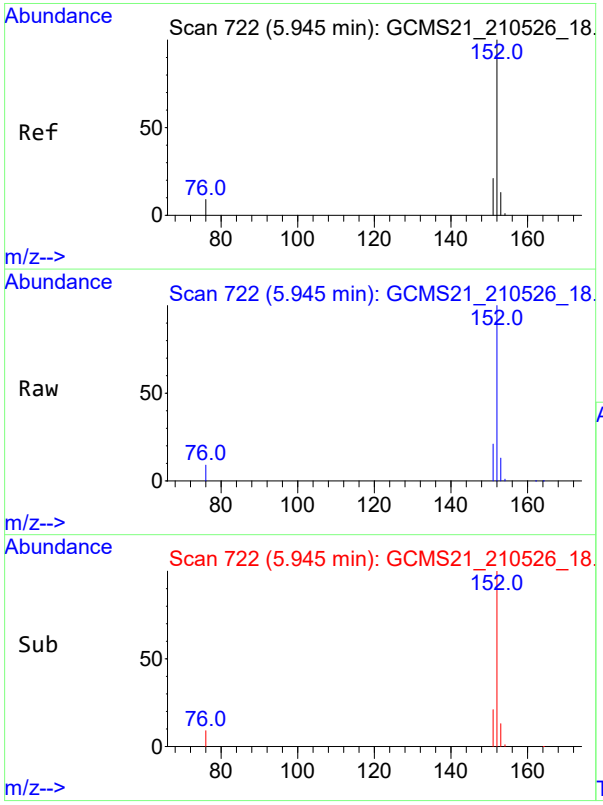


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:164 Resp: 275247

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.5	119.5

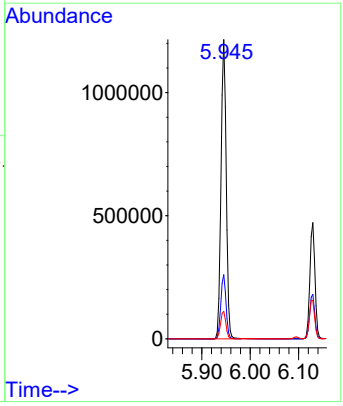


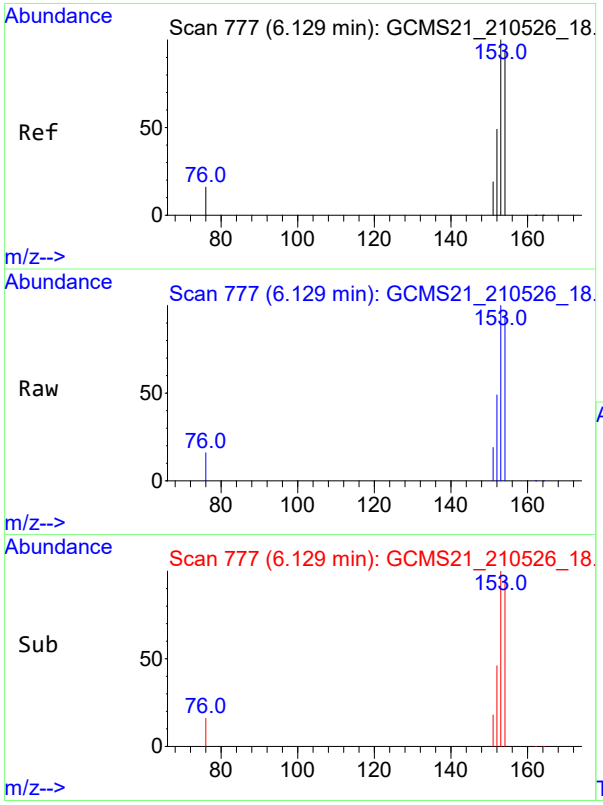


#7
Acenaphthylene
Concen: 1020.90 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:152 Resp: 905434

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	51.5
76	9.4	0.0	39.5

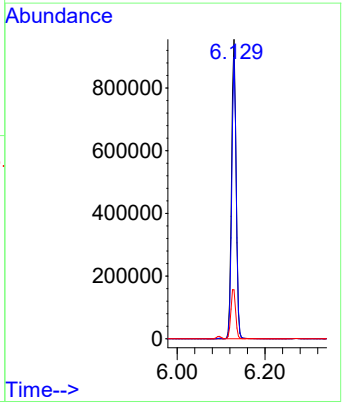


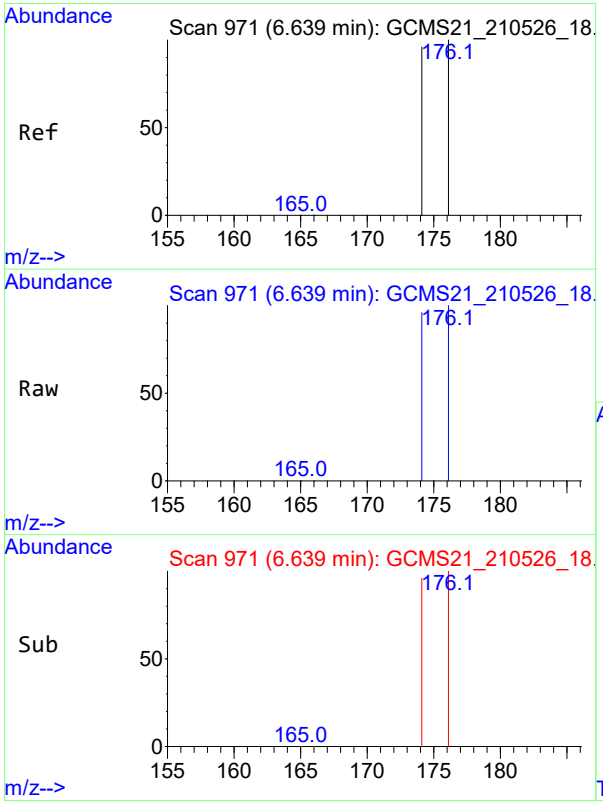


#8
Acenaphthene
Concen: 1012.40 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:153 Resp: 680671

Ion	Ratio	Lower	Upper
153	100		
154	92.9	61.9	121.9
76	17.4	0.0	47.6

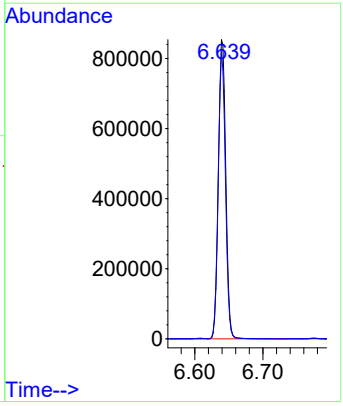


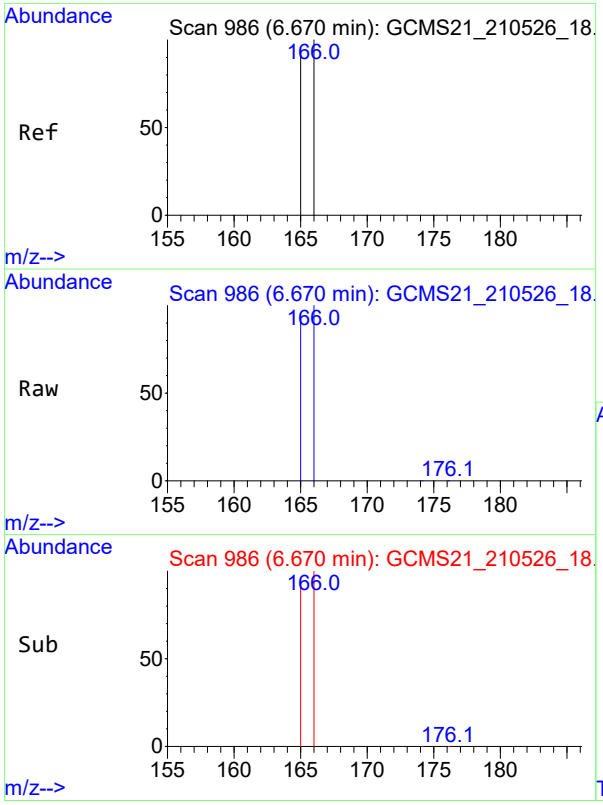


#9
Fluorene-D10
Concen: 1000.72 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:176 Resp: 641069

Ion	Ratio	Lower	Upper
176	100		
174	94.6	66.0	122.6

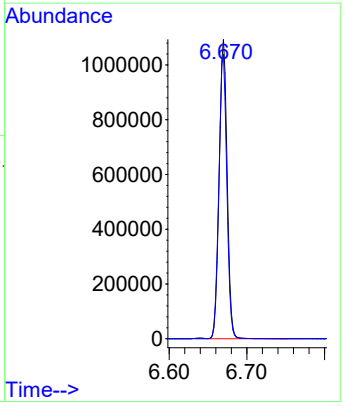


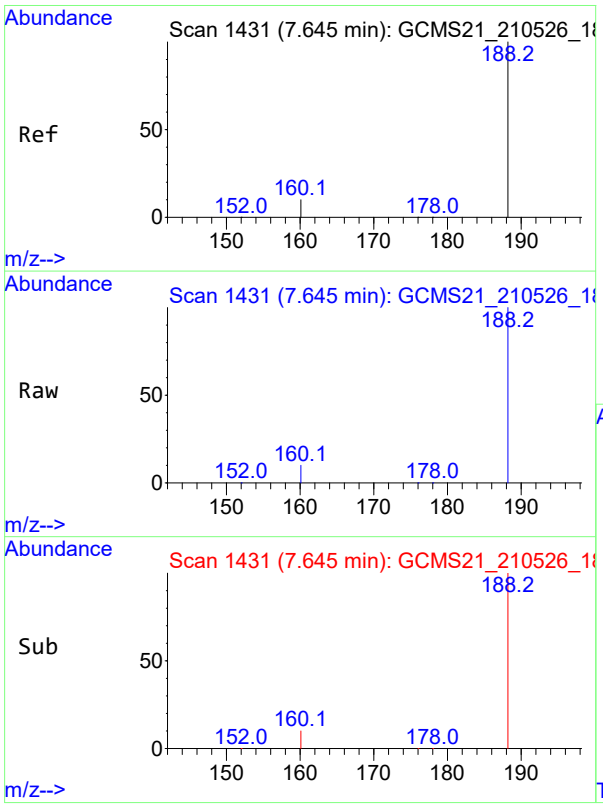


#10
Fluorene
Concen: 1015.85 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:166 Resp: 776673

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.4	125.4

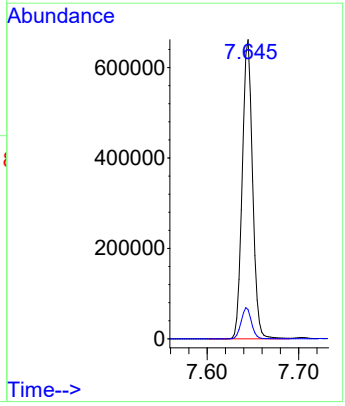


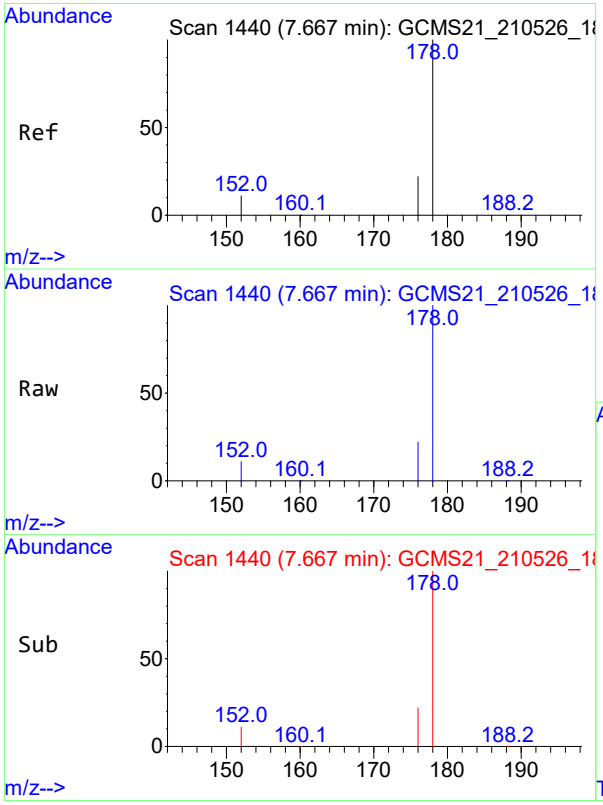


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.002 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:188 Resp: 517910

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

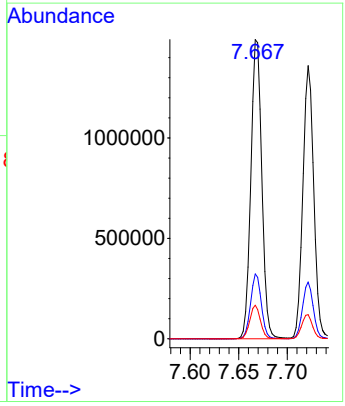


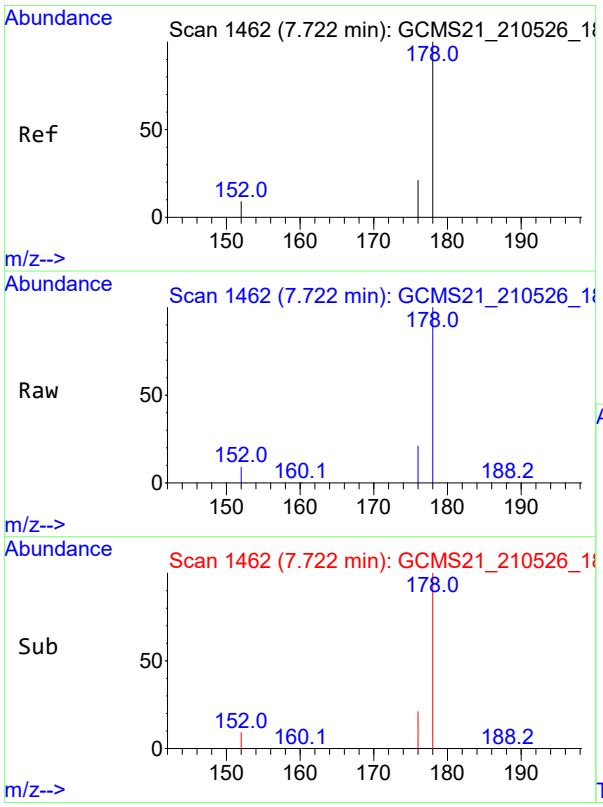


#12
Phenanthrene
Concen: 1012.67 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:178 Resp: 1168755

Ion	Ratio	Lower	Upper
178	100		
176	21.2	0.0	50.9
152	10.9	0.0	40.7

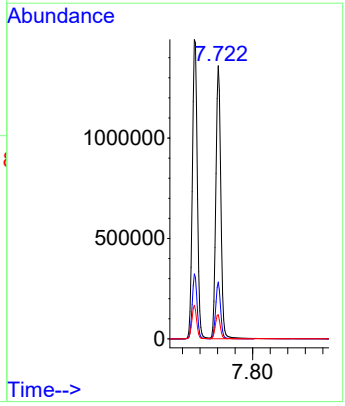


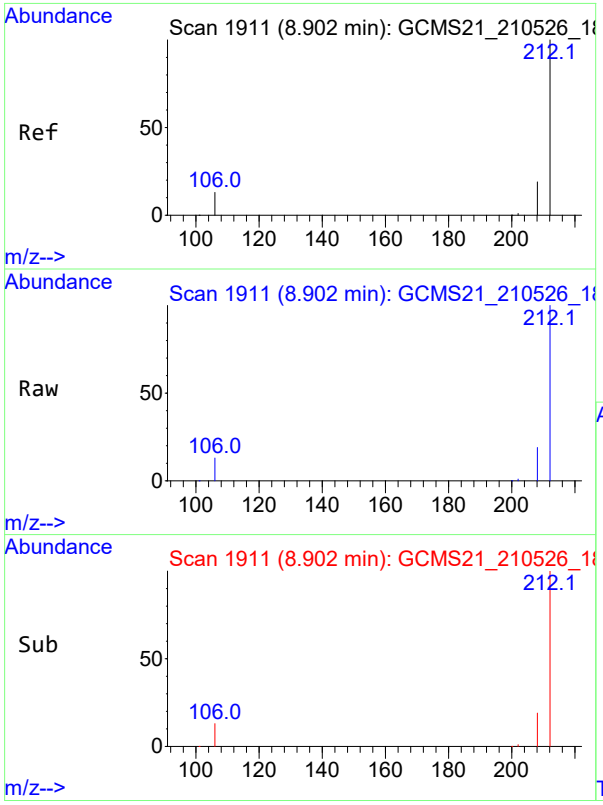


#13
Anthracene
Concen: 981.76 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:178 Resp: 1072326

Ion	Ratio	Lower	Upper
178	100		
176	20.5	0.0	50.2
152	8.8	0.0	38.7

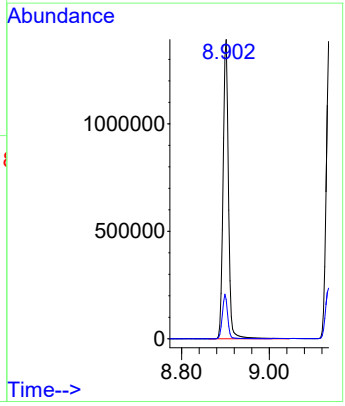


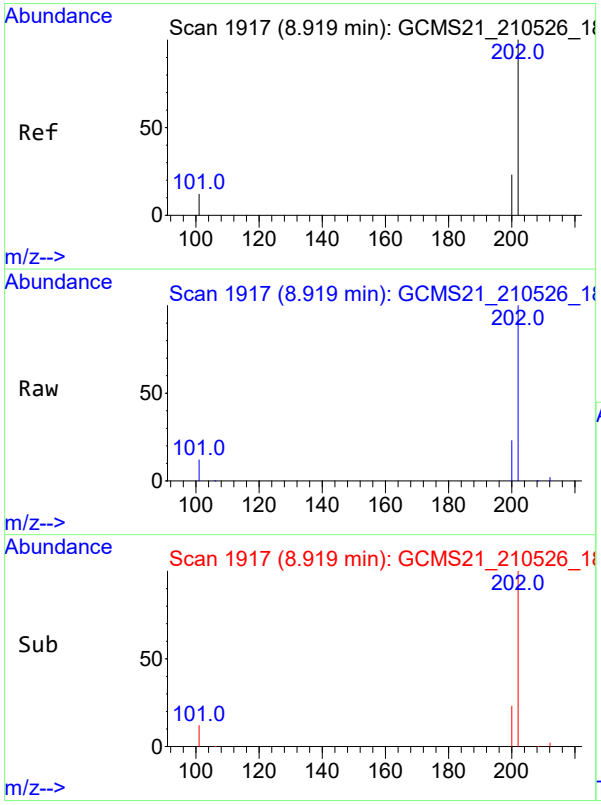


#14
Fluoranthene-D10
Concen: 1021.66 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:212 Resp: 1182082

Ion	Ratio	Lower	Upper
212	100		
106	14.9	10.6	19.6

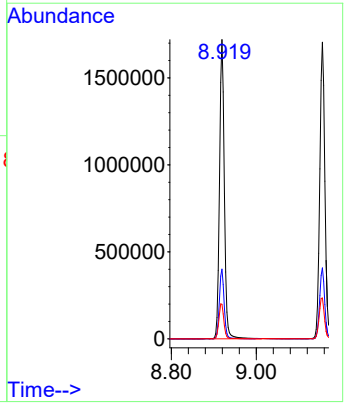


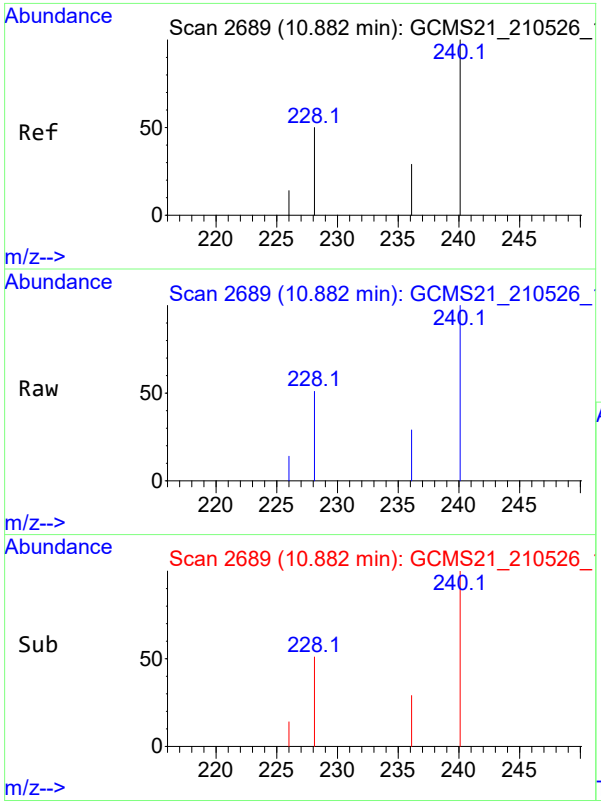


#15
Fluoranthene
Concen: 1029.60 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:202 Resp: 1349464

Ion	Ratio	Lower	Upper
202	100		
200	23.3	0.0	53.2
101	12.3	0.0	42.4

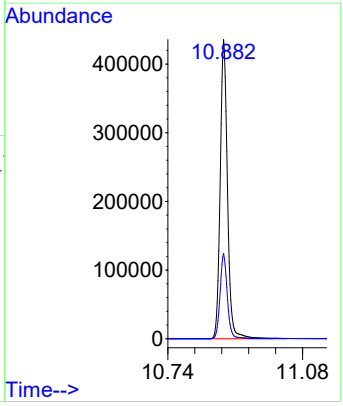


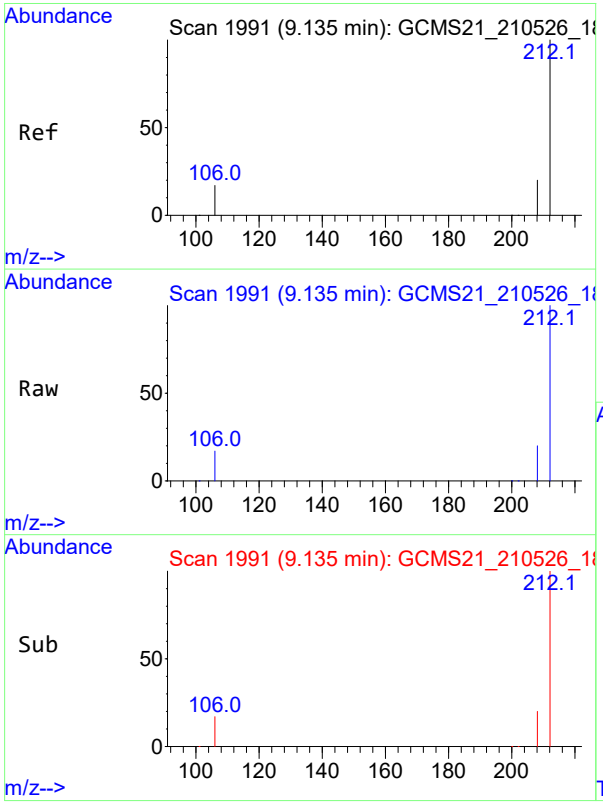


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:240 Resp: 560859

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

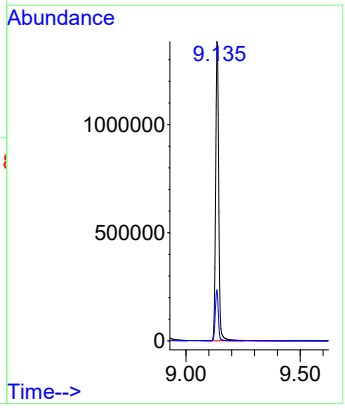


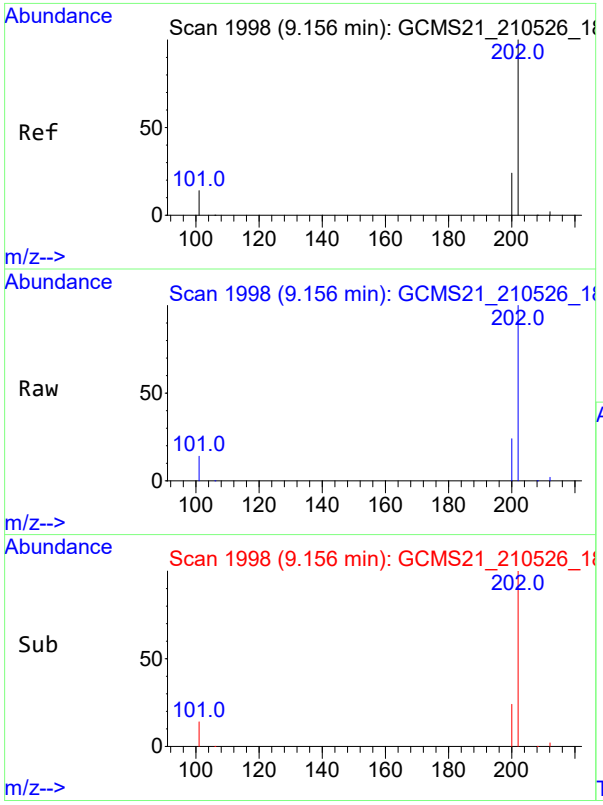


#17
Pyrene-D10
Concen: 1009.90 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:212 Resp: 1291974

Ion	Ratio	Lower	Upper
212	100		
106	17.0	12.2	22.6

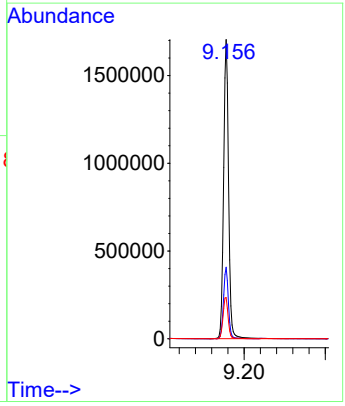


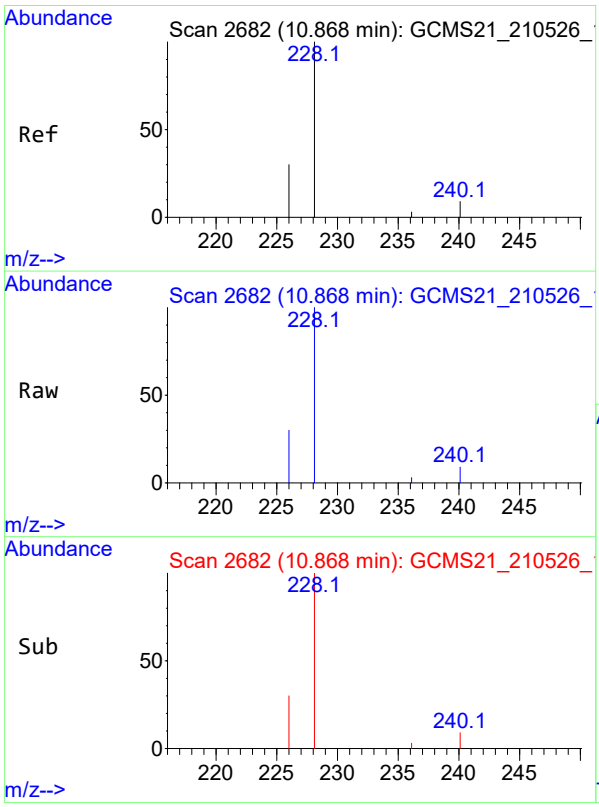


#18
Pyrene
Concen: 1008.21 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:202 Resp: 1437806

Ion	Ratio	Lower	Upper
202	100		
200	23.7	0.0	53.6
101	14.4	0.0	44.4

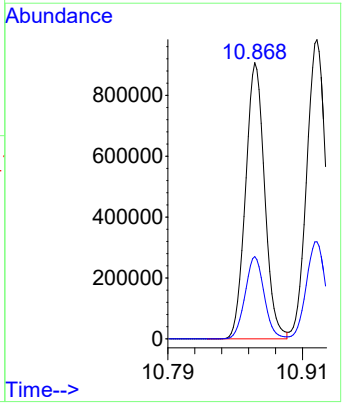


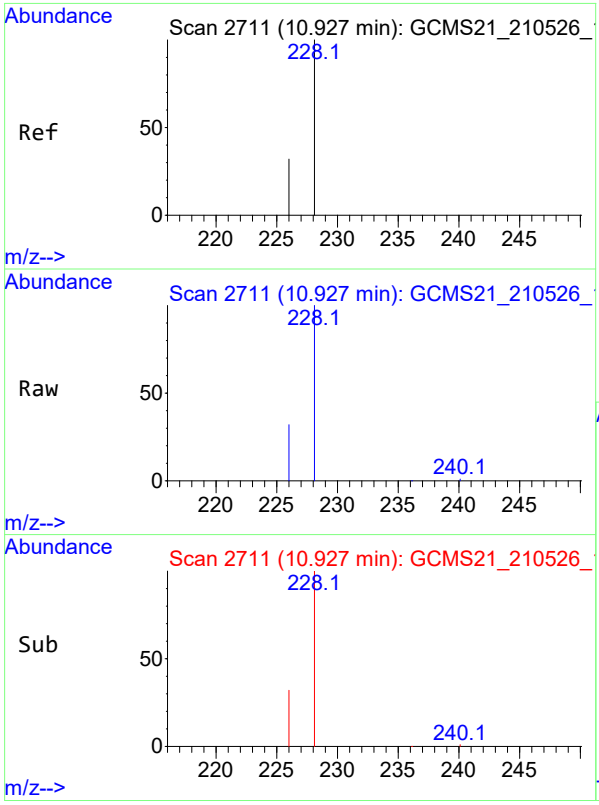


#19
Benzo(a)anthracene
Concen: 1015.55 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:228 Resp: 1146119

Ion	Ratio	Lower	Upper
228	100		
226	29.7	0.0	59.6

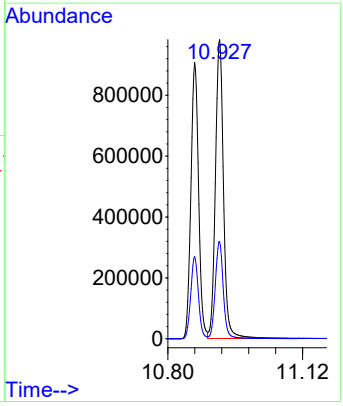


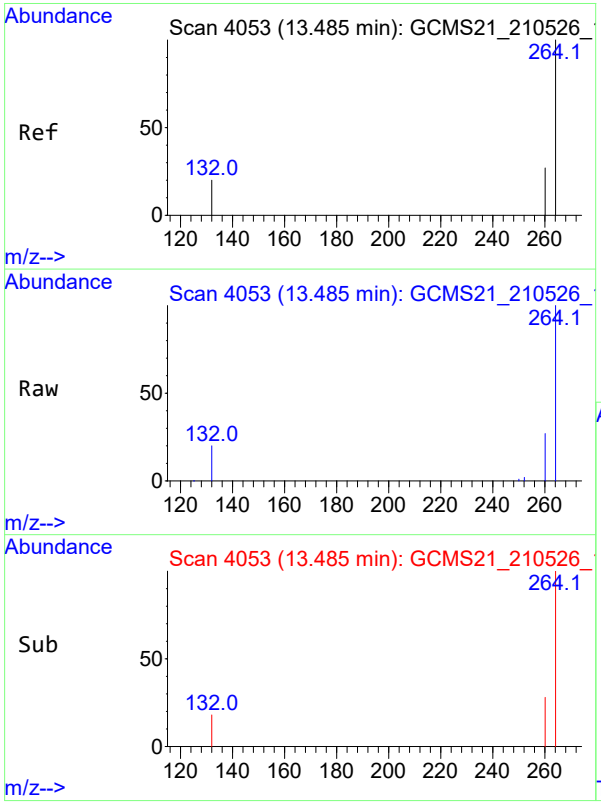


#20
Chrysene
Concen: 1007.47 ng/mL
RT: 10.927 min Scan# 2711
Delta R.T. 0.002 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:228 Resp: 1305214

Ion	Ratio	Lower	Upper
228	100		
226	32.5	2.5	62.5

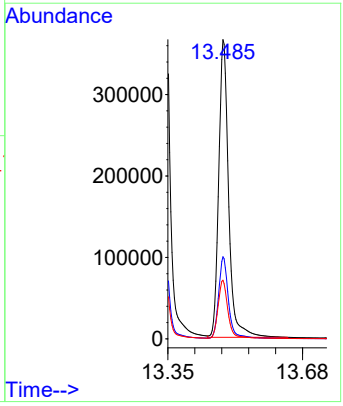


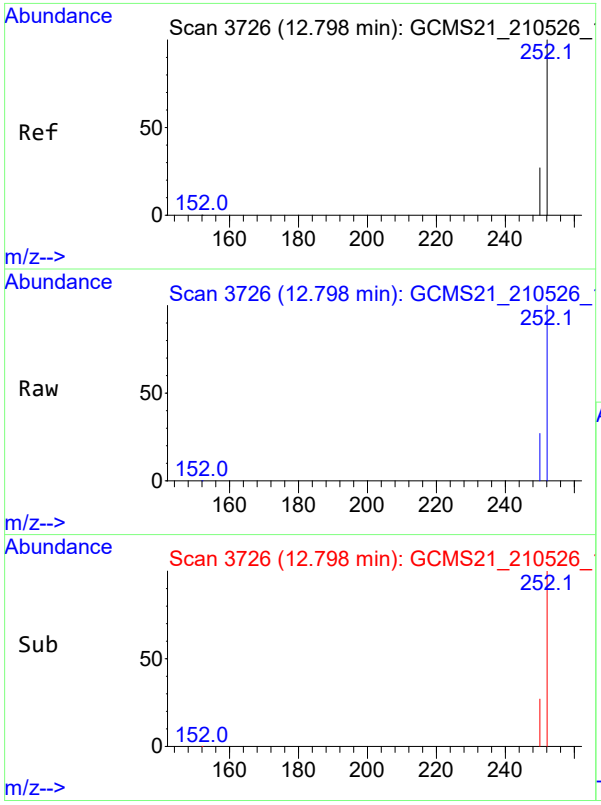


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:264 Resp: 618112

Ion	Ratio	Lower	Upper
264	100		
260	27.3	0.0	57.5
132	19.7	0.0	49.9

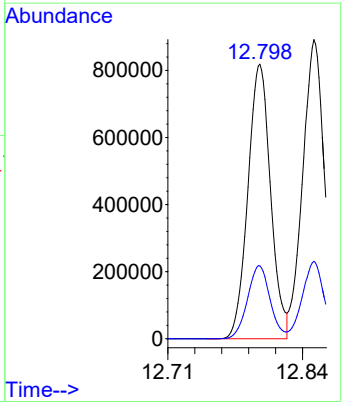


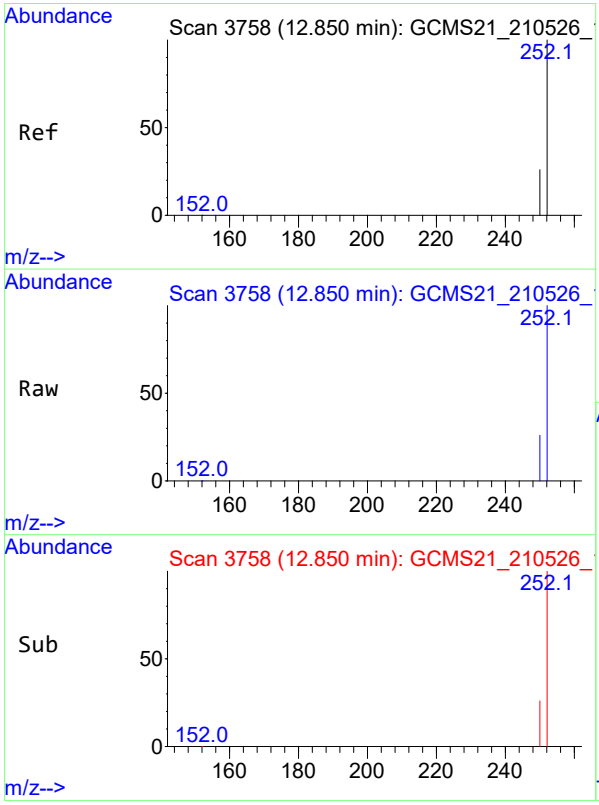


#22
Benzo(b)fluoranthene
Concen: 1020.62 ng/mL
RT: 12.798 min Scan# 3726
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1242112

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	56.2

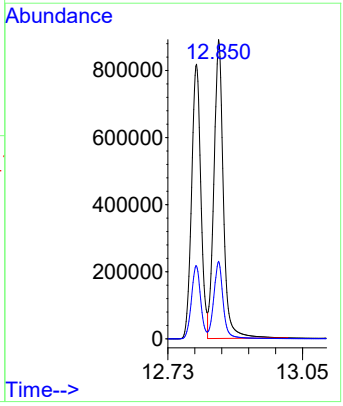


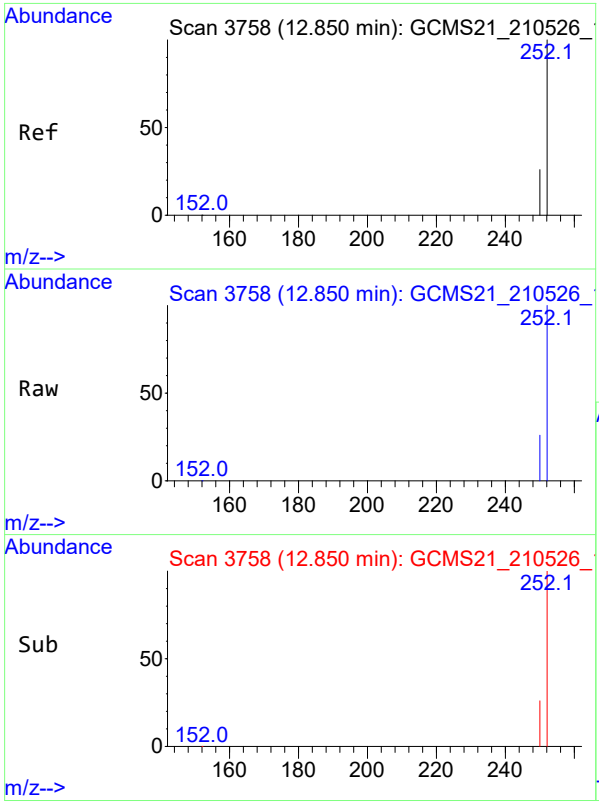


#23
Benzo(k)fluoranthene
Concen: 1017.58 ng/mL
RT: 12.850 min Scan# 3758
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1379612

Ion	Ratio	Lower	Upper
252	100		
250	25.8	0.0	55.4

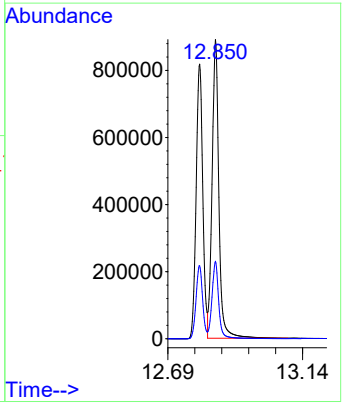


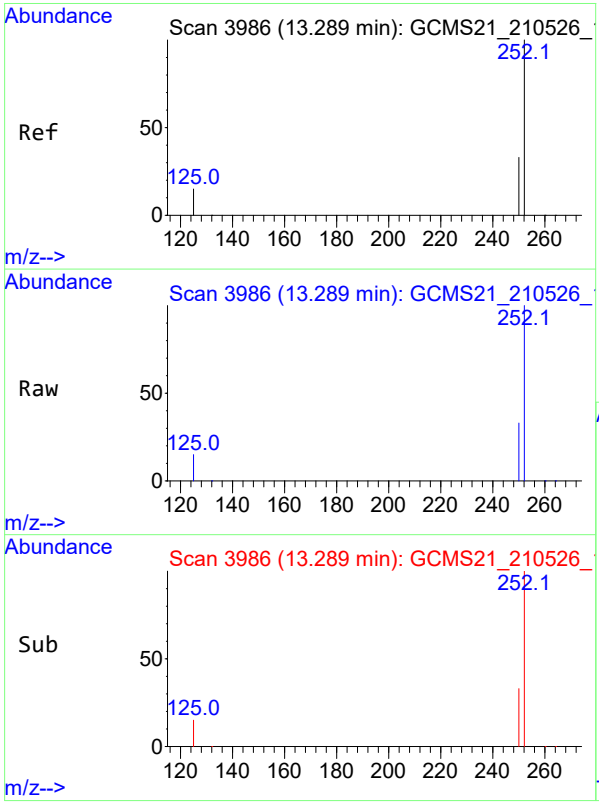


#24
benzo(b+k)fluoranthene (sum)
Concen: 1069.78 ng/mL
RT: 12.850 min Scan# 3758
Delta R.T. 0.003 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1385046

Ion	Ratio	Lower	Upper
252	100		
250	25.9	0.0	56.3

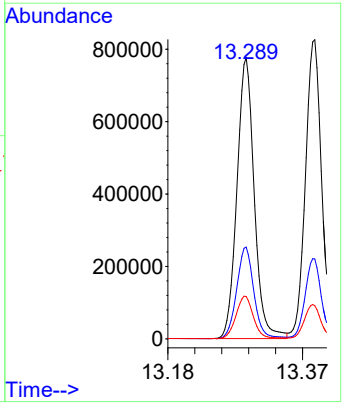


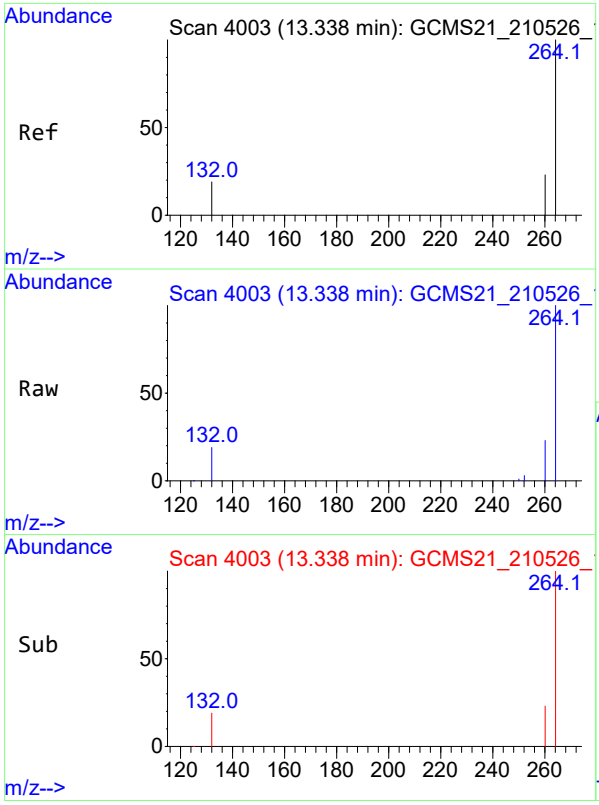


#25
Benzo(e)pyrene
Concen: 1011.93 ng/mL
RT: 13.289 min Scan# 3986
Delta R.T. 0.006 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1270071

Ion	Ratio	Lower	Upper
252	100		
250	32.5	2.4	62.4
125	15.4	0.0	46.0

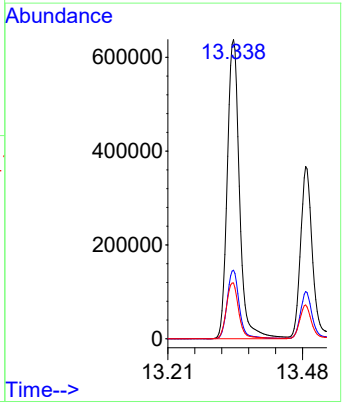


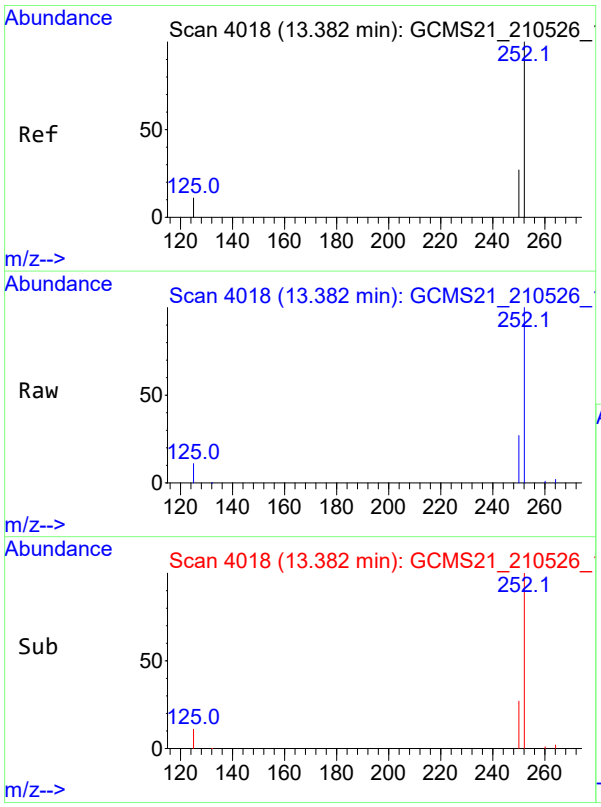


#26
Benzo(a)pyrene-D12
Concen: 1032.36 ng/mL
RT: 13.338 min Scan# 4003
Delta R.T. 0.009 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:264 Resp: 1099296

Ion	Ratio	Lower	Upper
264	100		
260	22.8	0.0	52.7
132	18.9	0.0	49.5

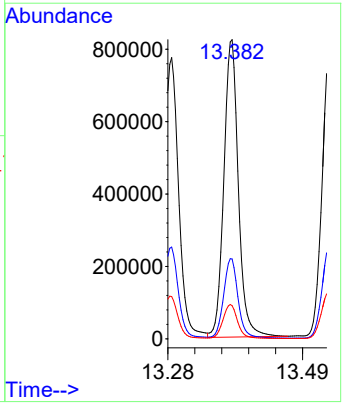


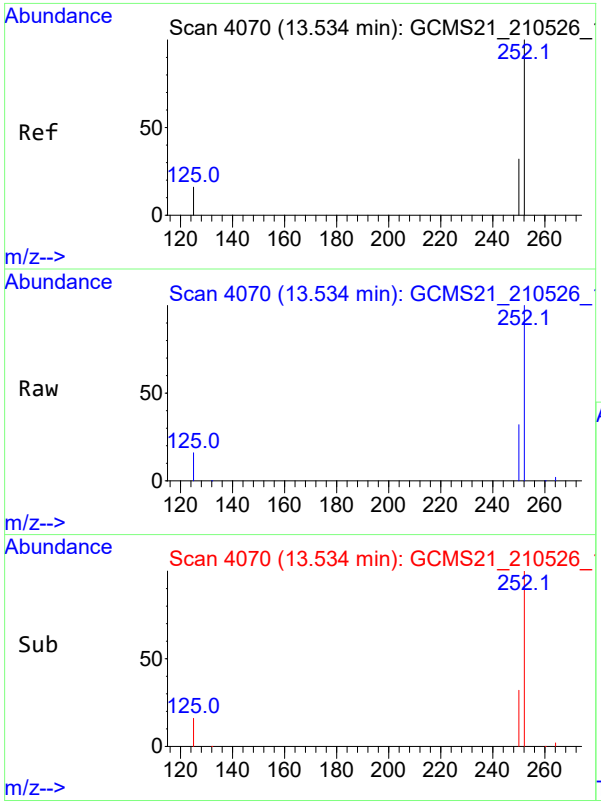


#27
Benzo(a)pyrene
Concen: 1050.28 ng/mL
RT: 13.382 min Scan# 4018
Delta R.T. 0.006 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1277049

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	57.2
125	11.5	0.0	42.3

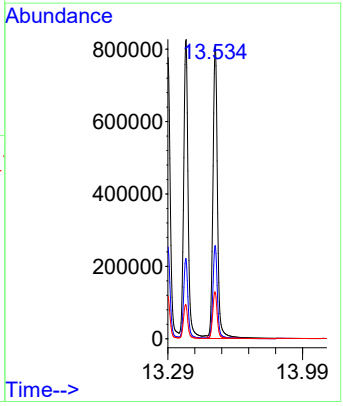


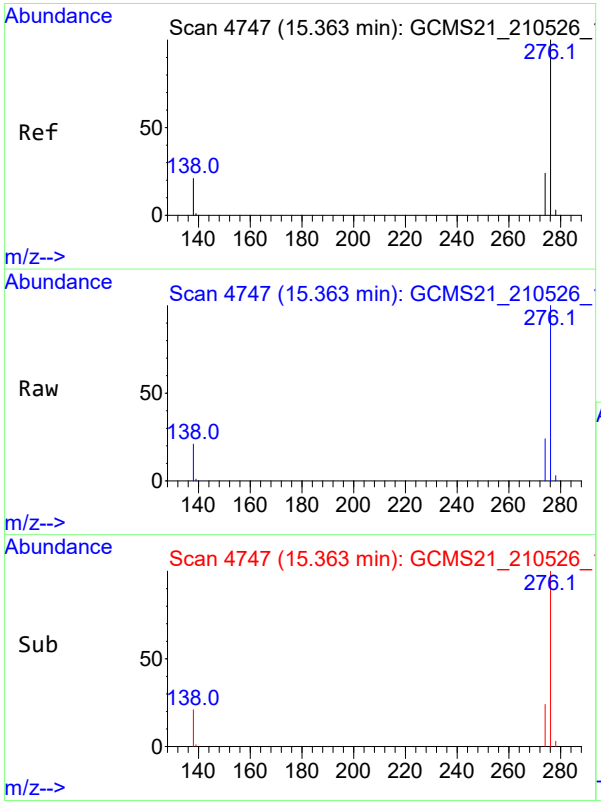


#28
Perylene
Concen: 1017.28 ng/mL
RT: 13.534 min Scan# 4070
Delta R.T. 0.006 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:252 Resp: 1342285

Ion	Ratio	Lower	Upper
252	100		
250	31.4	1.1	61.1
125	16.0	0.0	46.2

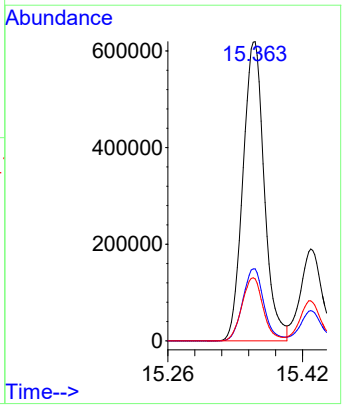


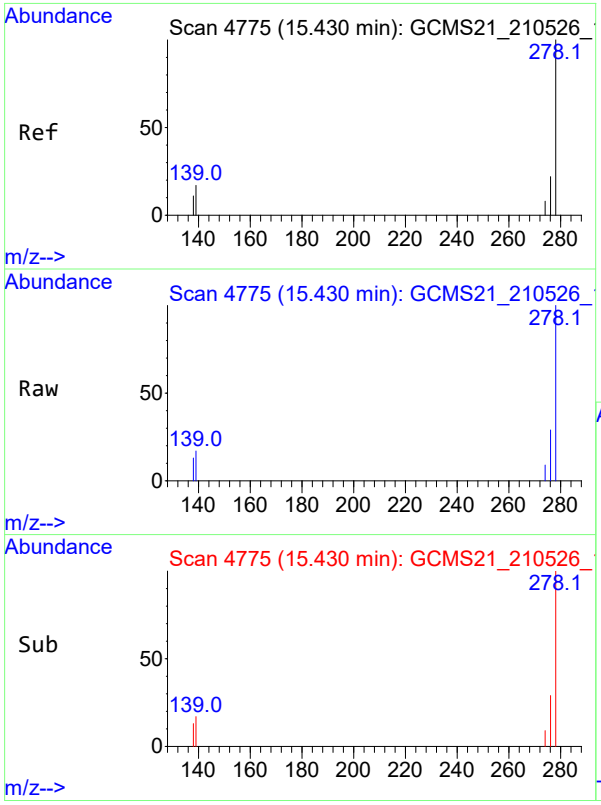


#29
Indeno(1,2,3-cd)pyrene
Concen: 1063.89 ng/mL
RT: 15.363 min Scan# 4747
Delta R.T. 0.005 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:276 Resp: 1111885

Ion	Ratio	Lower	Upper
276	100		
274	23.9	0.0	53.7
138	21.0	0.0	51.1

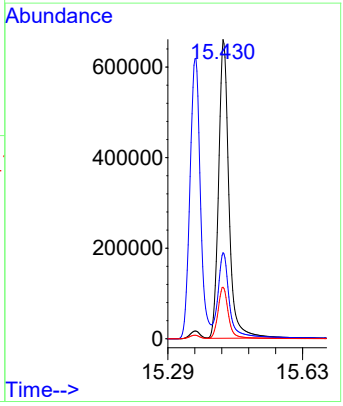


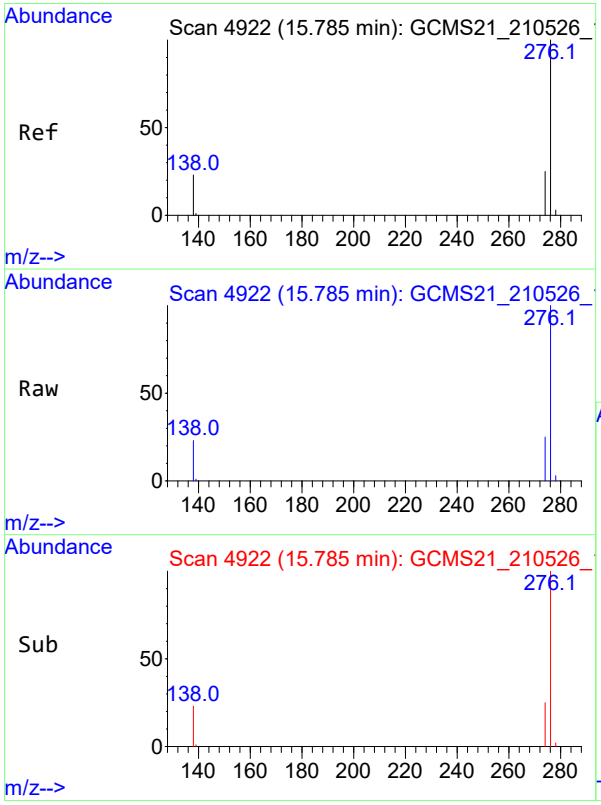


#30
Dibenz(a,h)anthracene
Concen: 1060.53 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:278 Resp: 1178695

Ion	Ratio	Lower	Upper
278	100		
276	31.9	2.7	62.7
139	17.3	0.0	47.4

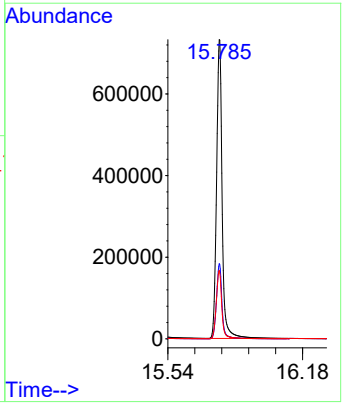




#31
Benzo(g,h,i)perylene
Concen: 1035.52 ng/mL
RT: 15.785 min Scan# 4922
Delta R.T. 0.007 min
Lab File: GCMS21_210526_18.D
Acq: 26 May 2021 18:02

Tgt Ion:276 Resp: 1341507

Ion	Ratio	Lower	Upper
276	100		
274	24.9	0.0	54.7
138	22.7	0.0	52.8



Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_10.D
Acq On : 26 May 2021 14:42
Operator : MN GCMS21
Sample : CAL 2_5ng/mL
Misc : LIMS 21B0102
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:08:54 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	100	0.00
2	M	Naphthalene	5.000	6.944	-38.9#	100	0.00
3	S	2-Methylnaphthalene-D10	5.000	4.965	0.7	100	0.00
4	M	2-Methylnaphthalene	5.000	6.405	-28.1	100	0.00
5	M	1-Methylnaphthalene	5.000	4.897	2.1	100	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	100	0.00
7	M	Acenaphthylene	5.000	6.180	-23.6	100	0.00
8	M	Acenaphthene	5.000	6.238	-24.8	100	0.00
9	S	Fluorene-D10	5.000	5.745	-14.9	100	0.00
10	M	Fluorene	5.000	6.110	-22.2	100	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	100	0.00
12	M	Phenanthrene	5.000	6.839	-36.8#	100	0.00
13	M	Anthracene	5.000	5.891	-17.8	100	0.00
14	S	Fluoranthene-D10	5.000	4.923	1.5	100	0.00
15	M	Fluoranthene	5.000	6.374	-27.5	100	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	100	0.00
17	S	Pyrene-D10	5.000	5.211	-4.2	100	0.00
18	M	Pyrene	5.000	6.580	-31.6#	100	0.00
19	M	Benzo(a)anthracene	5.000	8.388	-67.8#	100	0.00
20	M	Chrysene	5.000	6.725	-34.5#	100	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	100	0.00
22	M	Benzo(b)fluoranthene	-1.000	7.494	0.0	0	0.00
23	M	Benzo(k)fluoranthene	5.000	6.568	-31.4#	100	0.00
24	NR	benzo(b+k)fluoranthene (sum	10.000	13.625	-36.3#	100	-0.05
25	M	Benzo(e)pyrene	5.000	5.379	-7.6	100	0.00
26	S	Benzo(a)pyrene-D12	5.000	4.776	4.5	100	0.00
27	M	Benzo(a)pyrene	5.000	5.817	-16.3	100	0.00
28	M	Perylene	5.000	5.094	-1.9	100	0.00
29	M	Indeno(1,2,3-cd)pyrene	5.000	6.112	-22.2	100	0.00
30	M	Dibenz(a,h)anthracene	5.000	5.600	-12.0	100	0.00
31	M	Benzo(g,h,i)perylene	5.000	6.411	-28.2	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_11.D
Acq On : 26 May 2021 15:07
Operator : MN GCMS21
Sample : CAL 3_10ng/mL
Misc : LIMS 21B0103
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 11:11:24 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	100	0.00
2	M	Naphthalene	10.000	11.659	-16.6	100	0.00
3	S	2-Methylnaphthalene-D10	10.000	9.646	3.5	100	0.00
4	M	2-Methylnaphthalene	10.000	10.727	-7.3	100	0.00
5	M	1-Methylnaphthalene	10.000	9.479	5.2	100	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	100	0.00
7	M	Acenaphthylene	10.000	10.226	-2.3	100	0.00
8	M	Acenaphthene	10.000	10.236	-2.4	100	0.00
9	S	Fluorene-D10	10.000	10.206	-2.1	100	0.00
10	M	Fluorene	10.000	10.003	-0.0	100	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	100	0.00
12	M	Phenanthrene	10.000	10.366	-3.7	100	0.00
13	M	Anthracene	10.000	9.753	2.5	100	0.00
14	S	Fluoranthene-D10	10.000	9.682	3.2	100	0.00
15	M	Fluoranthene	10.000	9.860	1.4	100	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	100	0.00
17	S	Pyrene-D10	10.000	9.723	2.8	100	0.00
18	M	Pyrene	10.000	10.037	-0.4	100	0.00
19	M	Benzo(a)anthracene	10.000	12.430	-24.3	100	0.00
20	M	Chrysene	10.000	10.484	-4.8	100	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	100	0.00
22	M	Benzo(b)fluoranthene	10.000	11.477	-14.8	100	0.00
23	M	Benzo(k)fluoranthene	10.000	10.262	-2.6	100	0.00
24	NR	benzo(b+k)fluoranthene (sum	20.000	20.874	-4.4	101	-0.05
25	M	Benzo(e)pyrene	10.000	10.077	-0.8	100	0.00
26	S	Benzo(a)pyrene-D12	10.000	9.325	6.8	100	0.00
27	M	Benzo(a)pyrene	10.000	9.355	6.4	100	0.00
28	M	Perylene	10.000	9.818	1.8	100	0.00
29	M	Indeno(1,2,3-cd)pyrene	10.000	9.392	6.1	100	0.00
30	M	Dibenz(a,h)anthracene	10.000	8.582	14.2	100	0.00
31	M	Benzo(g,h,i)perylene	10.000	9.712	2.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_12.D
Acq On : 26 May 2021 15:32
Operator : MN GCMS21
Sample : CAL4_25ng/mL
Misc : LIMS 21B0104
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 11:11:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	100	0.00
2	M	Naphthalene	25.000	27.587	-10.3	100	0.00
3	S	2-Methylnaphthalene-D10	25.000	25.888	-3.6	100	0.00
4	M	2-Methylnaphthalene	25.000	25.238	-1.0	100	0.00
5	M	1-Methylnaphthalene	25.000	25.174	-0.7	100	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	100	0.00
7	M	Acenaphthylene	25.000	25.667	-2.7	100	0.00
8	M	Acenaphthene	25.000	25.832	-3.3	100	0.00
9	S	Fluorene-D10	25.000	26.048	-4.2	100	0.00
10	M	Fluorene	25.000	25.290	-1.2	100	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	100	0.00
12	M	Phenanthrene	25.000	25.786	-3.1	100	0.00
13	M	Anthracene	25.000	25.275	-1.1	100	0.00
14	S	Fluoranthene-D10	25.000	25.397	-1.6	100	0.00
15	M	Fluoranthene	25.000	24.729	1.1	100	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	100	0.00
17	S	Pyrene-D10	25.000	26.017	-4.1	100	0.00
18	M	Pyrene	25.000	25.729	-2.9	100	0.00
19	M	Benzo(a)anthracene	25.000	28.506	-14.0	100	0.00
20	M	Chrysene	25.000	26.238	-5.0	100	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	100	0.00
22	M	Benzo(b)fluoranthene	25.000	28.093	-12.4	100	0.00
23	M	Benzo(k)fluoranthene	25.000	26.106	-4.4	100	0.00
24	NR	benzo(b+k)fluoranthene (sum	50.000	53.258	-6.5	102	-0.05
25	M	Benzo(e)pyrene	25.000	26.541	-6.2	100	0.00
26	S	Benzo(a)pyrene-D12	25.000	24.572	1.7	100	0.00
27	M	Benzo(a)pyrene	25.000	23.830	4.7	100	0.00
28	M	Perylene	25.000	25.531	-2.1	100	0.00
29	M	Indeno(1,2,3-cd)pyrene	25.000	23.887	4.5	100	0.00
30	M	Dibenz(a,h)anthracene	25.000	22.215	11.1	100	0.00
31	M	Benzo(g,h,i)perylene	25.000	24.753	1.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_13.D
Acq On : 26 May 2021 15:57
Operator : MN GCMS21
Sample : CAL5_50ng/mL
Misc : LIMS 21B0105
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 11:12:23 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	100	0.00
2	M	Naphthalene	50.000	49.841	0.3	100	0.00
3	S	2-Methylnaphthalene-D10	50.000	48.751	2.5	100	0.00
4	M	2-Methylnaphthalene	50.000	45.390	9.2	100	0.00
5	M	1-Methylnaphthalene	50.000	47.568	4.9	100	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	100	0.00
7	M	Acenaphthylene	50.000	46.746	6.5	100	0.00
8	M	Acenaphthene	50.000	46.947	6.1	100	0.00
9	S	Fluorene-D10	50.000	47.688	4.6	100	0.00
10	M	Fluorene	50.000	45.712	8.6	100	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	100	0.00
12	M	Phenanthrene	50.000	46.504	7.0	100	0.00
13	M	Anthracene	50.000	46.443	7.1	100	0.00
14	S	Fluoranthene-D10	50.000	47.877	4.2	100	0.00
15	M	Fluoranthene	50.000	45.372	9.3	100	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	100	0.00
17	S	Pyrene-D10	50.000	48.989	2.0	100	0.00
18	M	Pyrene	50.000	46.510	7.0	100	0.00
19	M	Benzo(a)anthracene	50.000	49.956	0.1	100	0.00
20	M	Chrysene	50.000	47.076	5.8	100	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	100	0.00
22	M	Benzo(b)fluoranthene	50.000	49.231	1.5	100	0.00
23	M	Benzo(k)fluoranthene	50.000	45.256	9.5	100	0.00
24	NR	benzo(b+k)fluoranthene (sum	100.000	92.323	7.7	98	-0.05
25	M	Benzo(e)pyrene	50.000	49.144	1.7	100	0.00
26	S	Benzo(a)pyrene-D12	50.000	46.913	6.2	100	0.00
27	M	Benzo(a)pyrene	50.000	44.243	11.5	100	0.00
28	M	Perylene	50.000	49.244	1.5	100	0.00
29	M	Indeno(1,2,3-cd)pyrene	50.000	43.316	13.4	100	0.00
30	M	Dibenz(a,h)anthracene	50.000	41.989	16.0	100	0.00
31	M	Benzo(g,h,i)perylene	50.000	44.449	11.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_14.D
Acq On : 26 May 2021 16:22
Operator : MN GCMS21
Sample : CAL6_100ng/mL
Misc : LIMS 21B0106
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 11:12:49 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	100	0.00
2	M	Naphthalene	100.000	97.549	2.5	100	0.00
3	S	2-Methylnaphthalene-D10	100.000	96.784	3.2	100	0.00
4	M	2-Methylnaphthalene	100.000	89.271	10.7	100	0.00
5	M	1-Methylnaphthalene	100.000	95.303	4.7	100	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	100	0.00
7	M	Acenaphthylene	100.000	91.911	8.1	100	0.00
8	M	Acenaphthene	100.000	92.219	7.8	100	0.00
9	S	Fluorene-D10	100.000	94.061	5.9	100	0.00
10	M	Fluorene	100.000	91.037	9.0	100	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	100	0.00
12	M	Phenanthrene	100.000	90.564	9.4	100	0.00
13	M	Anthracene	100.000	91.197	8.8	100	0.00
14	S	Fluoranthene-D10	100.000	95.767	4.2	100	0.00
15	M	Fluoranthene	100.000	89.586	10.4	100	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	100	0.00
17	S	Pyrene-D10	100.000	96.110	3.9	100	0.00
18	M	Pyrene	100.000	91.158	8.8	100	0.00
19	M	Benzo(a)anthracene	100.000	96.345	3.7	100	0.00
20	M	Chrysene	100.000	90.892	9.1	100	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	100	0.00
22	M	Benzo(b)fluoranthene	100.000	97.087	2.9	100	0.00
23	M	Benzo(k)fluoranthene	100.000	92.577	7.4	100	0.00
24	NR	benzo(b+k)fluoranthene (sum	200.000	180.841	9.6	98	-0.05
25	M	Benzo(e)pyrene	100.000	98.101	1.9	100	0.00
26	S	Benzo(a)pyrene-D12	100.000	94.895	5.1	100	0.00
27	M	Benzo(a)pyrene	100.000	90.405	9.6	100	0.00
28	M	Perylene	100.000	96.596	3.4	100	0.00
29	M	Indeno(1,2,3-cd)pyrene	100.000	88.361	11.6	100	0.00
30	M	Dibenz(a,h)anthracene	100.000	88.304	11.7	100	0.00
31	M	Benzo(g,h,i)perylene	100.000	90.026	10.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_15.D
Acq On : 26 May 2021 16:47
Operator : MN GCMS21
Sample : CAL7_250ng/mL
Misc : LIMS 21B0107
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 11:13:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	100	0.00
2	M	Naphthalene	250.000	248.887	0.4	100	0.00
3	S	2-Methylnaphthalene-D10	250.000	253.877	-1.6	100	0.00
4	M	2-Methylnaphthalene	250.000	234.505	6.2	100	0.00
5	M	1-Methylnaphthalene	250.000	253.949	-1.6	100	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	100	0.00
7	M	Acenaphthylene	250.000	236.581	5.4	100	0.00
8	M	Acenaphthene	250.000	237.597	5.0	100	0.00
9	S	Fluorene-D10	250.000	243.918	2.4	100	0.00
10	M	Fluorene	250.000	240.614	3.8	100	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	100	0.00
12	M	Phenanthrene	250.000	233.221	6.7	100	0.00
13	M	Anthracene	250.000	241.149	3.5	100	0.00
14	S	Fluoranthene-D10	250.000	251.502	-0.6	100	0.00
15	M	Fluoranthene	250.000	238.168	4.7	100	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	100	0.00
17	S	Pyrene-D10	250.000	250.095	-0.0	100	0.00
18	M	Pyrene	250.000	236.522	5.4	100	0.00
19	M	Benzo(a)anthracene	250.000	244.533	2.2	100	0.00
20	M	Chrysene	250.000	231.974	7.2	100	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	100	0.00
22	M	Benzo(b)fluoranthene	250.000	234.681	6.1	100	0.00
23	M	Benzo(k)fluoranthene	250.000	231.039	7.6	100	0.00
24	NR	benzo(b+k)fluoranthene (sum	500.000	446.487	10.7	99	0.00
25	M	Benzo(e)pyrene	250.000	243.698	2.5	100	0.00
26	S	Benzo(a)pyrene-D12	250.000	254.613	-1.8	100	0.00
27	M	Benzo(a)pyrene	250.000	246.898	1.2	100	0.00
28	M	Perylene	250.000	250.345	-0.1	100	0.00
29	M	Indeno(1,2,3-cd)pyrene	250.000	239.144	4.3	100	0.00
30	M	Dibenz(a,h)anthracene	250.000	249.496	0.2	100	0.00
31	M	Benzo(g,h,i)perylene	250.000	237.194	5.1	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_16.D
Acq On : 26 May 2021 17:12
Operator : MN GCMS21
Sample : CAL8_500ng/mL
Misc : LIMS 21B0108
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 11:13:40 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	100	0.00
2	M	Naphthalene	500.000	497.555	0.5	100	0.00
3	S	2-Methylnaphthalene-D10	500.000	509.754	-2.0	100	0.00
4	M	2-Methylnaphthalene	500.000	478.691	4.3	100	0.00
5	M	1-Methylnaphthalene	500.000	521.416	-4.3	100	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	100	0.00
7	M	Acenaphthylene	500.000	479.973	4.0	100	0.00
8	M	Acenaphthene	500.000	479.427	4.1	100	0.00
9	S	Fluorene-D10	500.000	491.033	1.8	100	0.00
10	M	Fluorene	500.000	495.189	1.0	100	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	100	0.00
12	M	Phenanthrene	500.000	466.511	6.7	100	0.00
13	M	Anthracene	500.000	496.435	0.7	100	0.00
14	S	Fluoranthene-D10	500.000	511.748	-2.3	100	0.00
15	M	Fluoranthene	500.000	489.699	2.1	100	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	100	0.00
17	S	Pyrene-D10	500.000	501.000	-0.2	100	0.00
18	M	Pyrene	500.000	476.445	4.7	100	0.00
19	M	Benzo(a)anthracene	500.000	493.216	1.4	100	0.00
20	M	Chrysene	500.000	463.159	7.4	100	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	100	0.00
22	M	Benzo(b)fluoranthene	500.000	470.873	5.8	100	0.00
23	M	Benzo(k)fluoranthene	500.000	475.164	5.0	100	0.00
24	NR	benzo(b+k)fluoranthene (sum	1000.000	908.326	9.2	98	0.00
25	M	Benzo(e)pyrene	500.000	486.846	2.6	100	0.00
26	S	Benzo(a)pyrene-D12	500.000	526.753	-5.4	100	0.00
27	M	Benzo(a)pyrene	500.000	514.860	-3.0	100	0.00
28	M	Perylene	500.000	504.904	-1.0	100	0.00
29	M	Indeno(1,2,3-cd)pyrene	500.000	508.009	-1.6	100	0.00
30	M	Dibenz(a,h)anthracene	500.000	549.557	-9.9	100	0.00
31	M	Benzo(g,h,i)perylene	500.000	495.451	0.9	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_17.D
Acq On : 26 May 2021 17:37
Operator : MN GCMS21
Sample : CAL9_750ng/mL
Misc : LIMS 21B0109
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 28 11:14:05 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	100	0.00
2	M	Naphthalene	750.000	742.477	1.0	100	0.00
3	S	2-Methylnaphthalene-D10	750.000	759.620	-1.3	100	0.00
4	M	2-Methylnaphthalene	750.000	723.664	3.5	100	0.00
5	M	1-Methylnaphthalene	750.000	783.142	-4.4	100	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	100	0.00
7	M	Acenaphthylene	750.000	722.563	3.7	100	0.00
8	M	Acenaphthene	750.000	713.872	4.8	100	0.00
9	S	Fluorene-D10	750.000	722.592	3.7	100	0.00
10	M	Fluorene	750.000	738.971	1.5	100	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	100	0.00
12	M	Phenanthrene	750.000	695.682	7.2	100	0.00
13	M	Anthracene	750.000	754.080	-0.5	100	0.00
14	S	Fluoranthene-D10	750.000	774.353	-3.2	100	0.00
15	M	Fluoranthene	750.000	743.772	0.8	100	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	100	0.00
17	S	Pyrene-D10	750.000	743.846	0.8	100	0.00
18	M	Pyrene	750.000	711.447	5.1	100	0.00
19	M	Benzo(a)anthracene	750.000	740.657	1.2	100	0.00
20	M	Chrysene	750.000	686.446	8.5	100	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	100	0.00
22	M	Benzo(b)fluoranthene	750.000	693.364	7.6	100	0.00
23	M	Benzo(k)fluoranthene	750.000	705.302	6.0	100	0.00
24	NR	benzo(b+k)fluoranthene (sum	1500.000	1339.581	10.7	98	0.00
25	M	Benzo(e)pyrene	750.000	720.834	3.9	100	0.00
26	S	Benzo(a)pyrene-D12	750.000	806.709	-7.6	100	0.00
27	M	Benzo(a)pyrene	750.000	795.757	-6.1	101	0.00
28	M	Perylene	750.000	746.478	0.5	100	0.00
29	M	Indeno(1,2,3-cd)pyrene	750.000	788.130	-5.1	100	0.00
30	M	Dibenz(a,h)anthracene	750.000	849.766	-13.3	100	0.00
31	M	Benzo(g,h,i)perylene	750.000	747.894	0.3	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_18.D
Acq On : 26 May 2021 18:02
Operator : MN GCMS21
Sample : CAL10_1000ng/mL
Misc : LIMS 21B0110
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:14:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	100	0.00
2	M	Naphthalene	1000.000	1007.502	-0.8	100	0.00
3	S	2-Methylnaphthalene-D10	1000.000	1016.143	-1.6	100	0.00
4	M	2-Methylnaphthalene	1000.000	975.995	2.4	100	0.00
5	M	1-Methylnaphthalene	1000.000	1058.631	-5.9	100	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	100	0.00
7	M	Acenaphthylene	1000.000	991.121	0.9	100	0.00
8	M	Acenaphthene	1000.000	973.381	2.7	100	0.00
9	S	Fluorene-D10	1000.000	972.821	2.7	100	0.00
10	M	Fluorene	1000.000	1003.424	-0.3	100	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	100	0.00
12	M	Phenanthrene	1000.000	935.037	6.5	100	0.00
13	M	Anthracene	1000.000	1031.720	-3.2	100	0.00
14	S	Fluoranthene-D10	1000.000	1054.083	-5.4	100	0.00
15	M	Fluoranthene	1000.000	1022.937	-2.3	100	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	100	0.00
17	S	Pyrene-D10	1000.000	1009.636	-1.0	100	0.00
18	M	Pyrene	1000.000	961.881	3.8	100	0.00
19	M	Benzo(a)anthracene	1000.000	1015.969	-1.6	100	0.00
20	M	Chrysene	1000.000	937.142	6.3	100	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	100	0.00
22	M	Benzo(b)fluoranthene	1000.000	968.090	3.2	100	0.00
23	M	Benzo(k)fluoranthene	1000.000	970.226	3.0	100	0.00
24	NR	benzo(b+k)fluoranthene (sum	2000.000	1863.650	6.8	99	0.00
25	M	Benzo(e)pyrene	1000.000	981.428	1.9	100	0.00
26	S	Benzo(a)pyrene-D12	1000.000	1094.645	-9.5	100	0.00
27	M	Benzo(a)pyrene	1000.000	1090.599	-9.1	100	0.00
28	M	Perylene	1000.000	1020.709	-2.1	100	0.00
29	M	Indeno(1,2,3-cd)pyrene	1000.000	1109.654	-11.0	100	0.00
30	M	Dibenz(a,h)anthracene	1000.000	1180.288	-18.0	100	0.00
31	M	Benzo(g,h,i)perylene	1000.000	1030.426	-3.0	100	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_20.D
Acq On : 26 May 2021 18:51
Operator : MN GCMS21
Sample : PAH ICV 250ng/mL
Misc : LIMS 21C0501
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 11:02:21 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	485103	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	270123	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.643	188	514133	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.881	240	527033	500.00	ng/mL	0.00
21) PERYLENE-D12	13.479	264	530238	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	149948	245.60	ng/mL	0.00
9) Fluorene-D10	6.639	176	154984	239.65	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	276794	248.64	ng/mL	0.00
17) Pyrene-D10	9.133	212	296390	246.49	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.327	264	212848	247.07	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.325	128	208127	223.61	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	145352	212.04	ng/mL	99
5) 1-Methylnaphthalene	5.127	142	139672	244.62	ng/mL	98
7) Acenaphthylene	5.946	152	200299	223.41	ng/mL	99
8) Acenaphthene	6.130	153	150612	219.47	ng/mL	98
10) Fluorene	6.668	166	170121	223.96	ng/mL	100
12) Phenanthrene	7.667	178	272589	219.68	ng/mL	100
13) Anthracene	7.719	178	233250	226.07	ng/mL	100
15) Fluoranthene	8.916	202	293048	223.77	ng/mL	98
18) Pyrene	9.153	202	314308	223.77	ng/mL	99
19) Benzo(a)anthracene	10.866	228	242240	228.51	ng/mL	100
20) Chrysene	10.923	228	285259	217.96	ng/mL	99
22) Benzo(b)fluoranthene	12.792	252	249523	226.71	ng/mL	100
23) Benzo(k)fluoranthene	12.842	252	272202	223.15	ng/mL	100
24) benzo(b+k)fluoranthene...	12.792	252	532657m	445.39	ng/mL	
25) Benzo(e)pyrene	13.280	252	654	0.59	ng/mL	74
27) Benzo(a)pyrene	13.371	252	244716	243.62	ng/mL	99
28) Perylene	13.526	252	7224	6.40	ng/mL	89
29) Indeno(1,2,3-cd)pyrene	15.351	276	188095	218.83	ng/mL	99
30) Dibenz(a,h)anthracene	15.426	278	212130	247.62	ng/mL	88
31) Benzo(g,h,i)perylene	15.775	276	260482	233.24	ng/mL	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_20.D
Acq On : 26 May 2021 18:51
Operator : MN GCMS21
Sample : PAH ICV 250ng/mL
Misc : LIMS 21C0501
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 12:46:49 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 12:41:04 2021
Response via : Initial Calibration

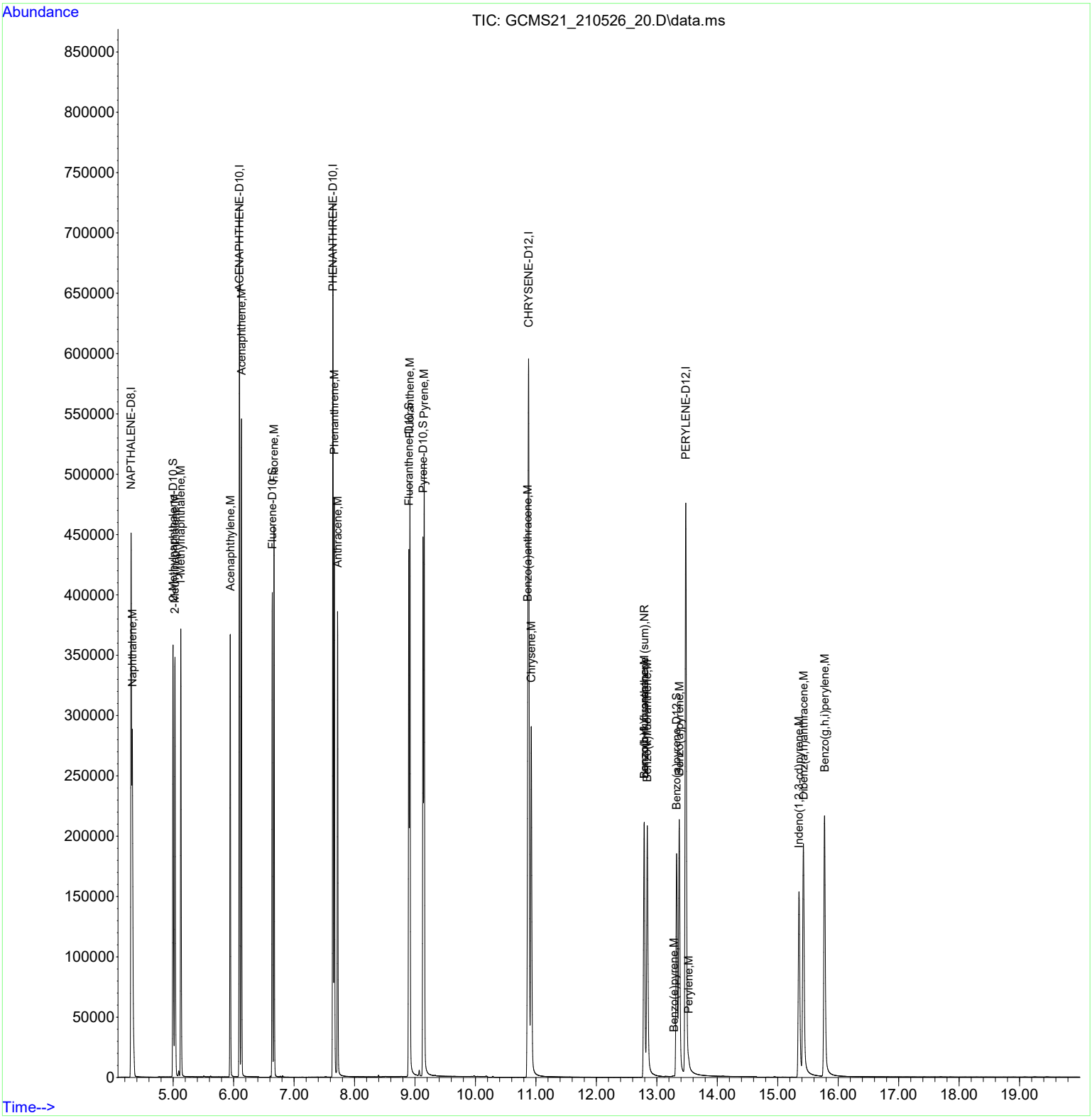
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	485103	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	270123	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.643	188	514133	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.881	240	527033	500.00	ng/mL	0.00
21) PERYLENE-D12	13.479	264	530238	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	149948	245.60	ng/mL	0.00
9) Fluorene-D10	6.639	176	154984	239.65	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	276794	246.78	ng/mL	0.00
17) Pyrene-D10	9.133	212	296390	246.49	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.327	264	212848	247.07	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.325	128	208127	223.61	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	145352	212.04	ng/mL	100
5) 1-Methylnaphthalene	5.127	142	139609	244.51	ng/mL	100
7) Acenaphthylene	5.946	152	200299	223.41	ng/mL	100
8) Acenaphthene	6.130	153	150612	219.47	ng/mL	100
10) Fluorene	6.668	166	170121	223.96	ng/mL	100
12) Phenanthrene	7.667	178	272589	219.68	ng/mL	100
13) Anthracene	7.719	178	233250	215.13	ng/mL	100
15) Fluoranthene	8.916	202	293048	223.77	ng/mL	100
18) Pyrene	9.153	202	314308	223.77	ng/mL	100
19) Benzo(a)anthracene	10.866	228	242240	228.51	ng/mL	100
20) Chrysene	10.923	228	285259	217.96	ng/mL	100
22) Benzo(b)fluoranthene	12.792	252	249523	226.71	ng/mL	100
23) Benzo(k)fluoranthene	12.842	252	272202	223.15	ng/mL	100
24) benzo(b+k)fluoranthene...	12.792	252	531649m	444.55	ng/mL	
25) Benzo(e)pyrene	13.280	252	654	0.59	ng/mL	75
27) Benzo(a)pyrene	13.371	252	244716	243.62	ng/mL	99
28) Perylene	13.526	252	7224	6.40	ng/mL	90
29) Indeno(1,2,3-cd)pyrene	15.351	276	188095	218.83	ng/mL	100
30) Dibenz(a,h)anthracene	15.426	278	212130	247.62	ng/mL	100
31) Benzo(g,h,i)perylene	15.775	276	260482	233.24	ng/mL	100

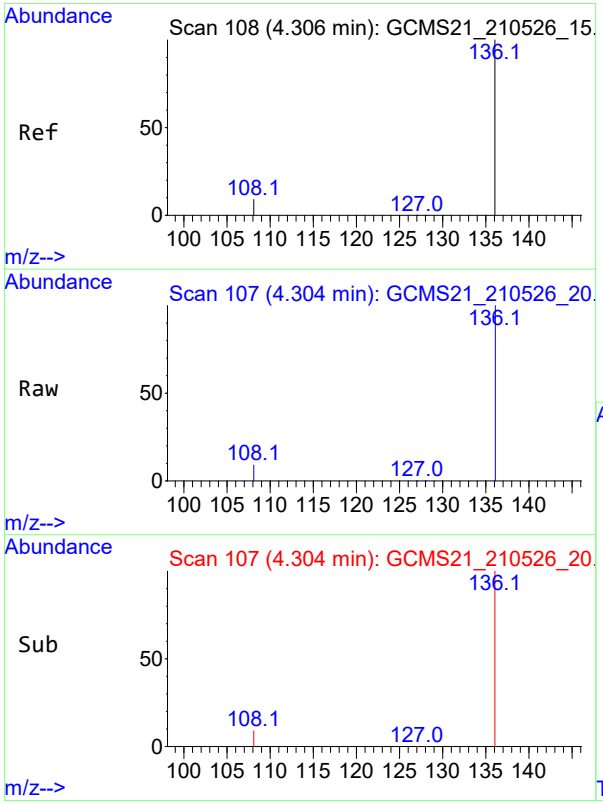
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_20.D
Acq On : 26 May 2021 18:51
Operator : MN GCMS21
Sample : PAH ICV 250ng/mL
Misc : LIMS 21C0501
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 12:46:49 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 12:41:04 2021
Response via : Initial Calibration

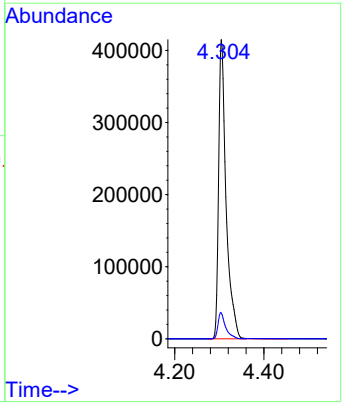


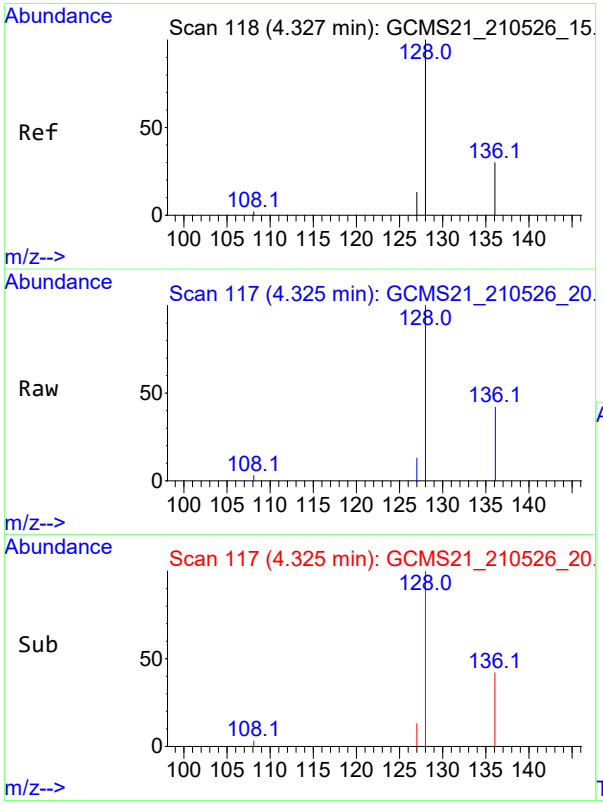


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:136 Resp: 485103

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	29.0

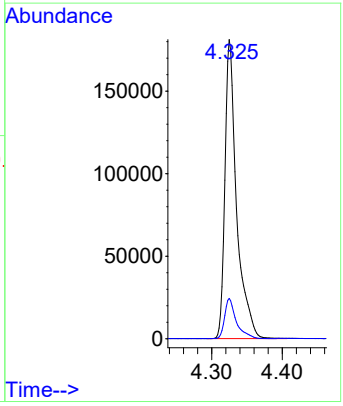


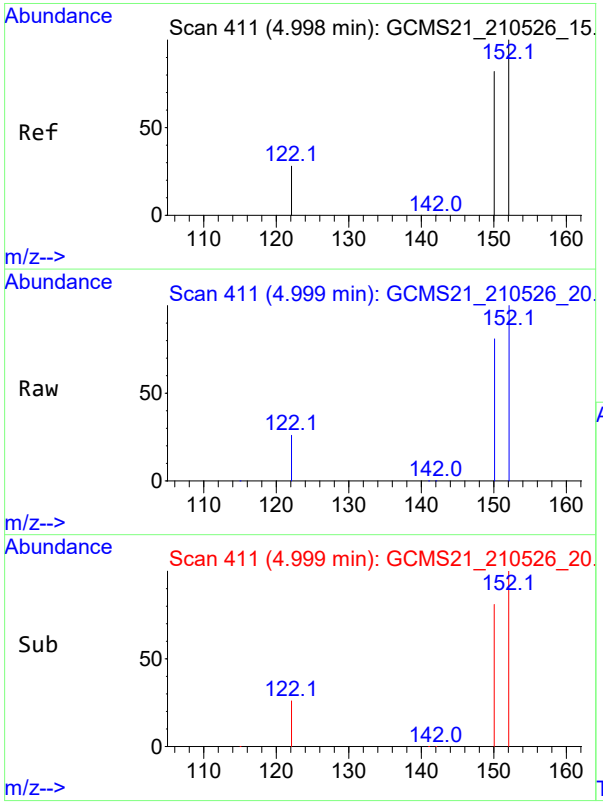


#2
Naphthalene
Concen: 223.61 ng/mL
RT: 4.325 min Scan# 117
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:128 Resp: 208127

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

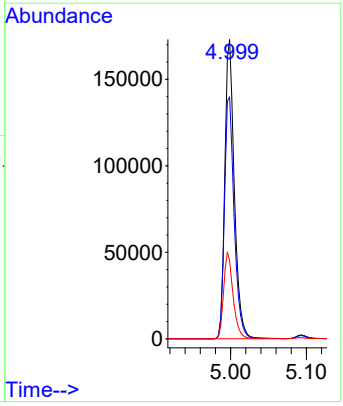


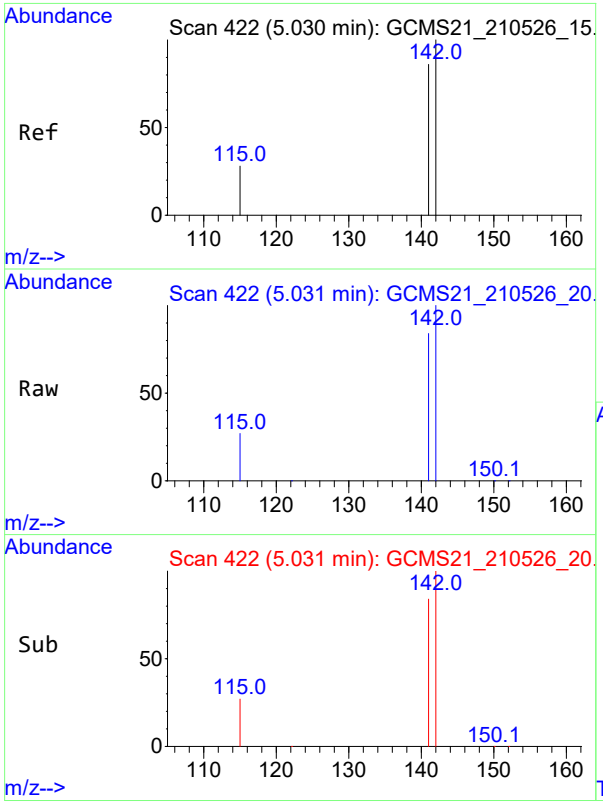


#3
2-Methylnaphthalene-D10
Concen: 245.60 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.001 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:152 Resp: 149948

Ion	Ratio	Lower	Upper
152	100		
150	82.6	52.1	112.1
122	28.8	0.0	58.7

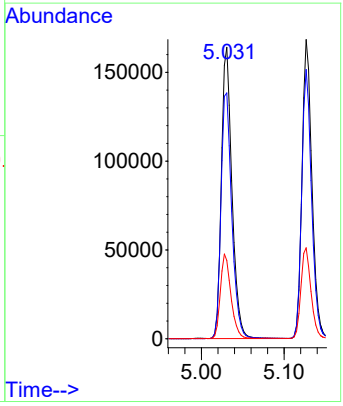


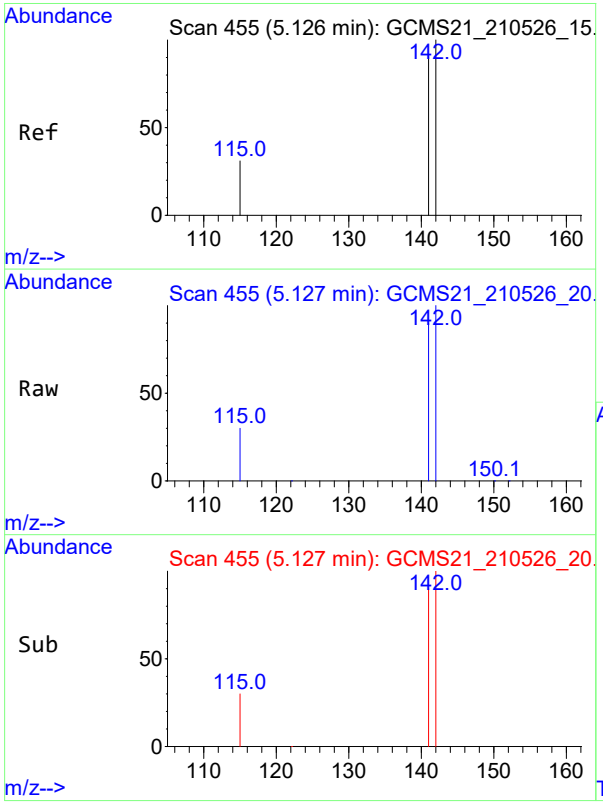


#4
2-Methylnaphthalene
Concen: 212.04 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.001 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:142 Resp: 145352

Ion	Ratio	Lower	Upper
142	100		
141	86.4	56.5	116.5
115	29.0	0.0	59.3

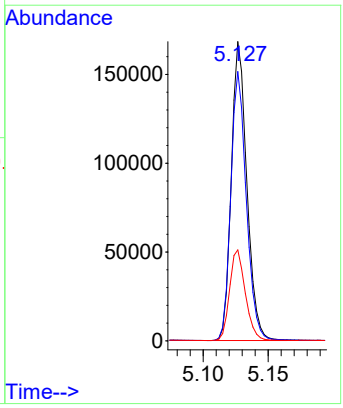


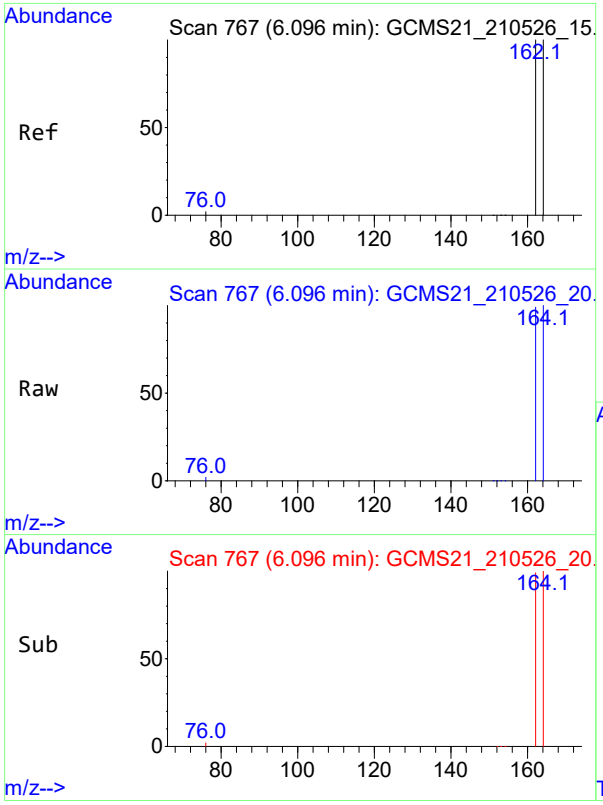


#5
1-Methylnaphthalene
Concen: 244.51 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.001 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:142 Resp: 139609

Ion	Ratio	Lower	Upper
142	100		
141	89.9	59.6	119.6
115	30.8	1.2	61.2

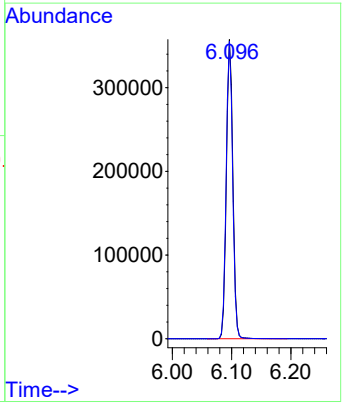


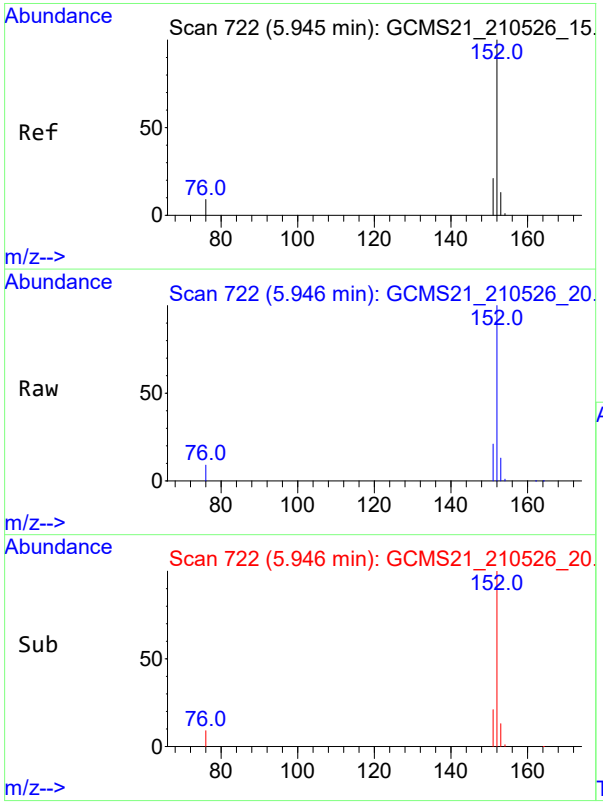


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:164 Resp: 270123

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.5	119.5

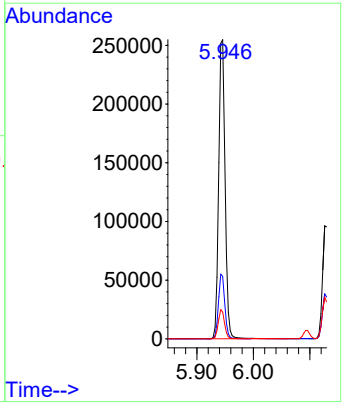


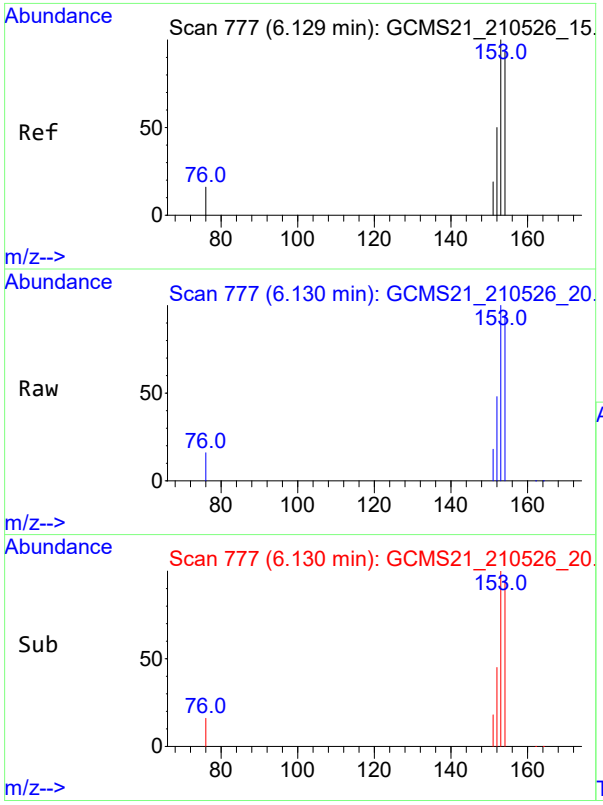


#7
Acenaphthylene
Concen: 223.41 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.001 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:152 Resp: 200299

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	51.5
76	9.6	0.0	39.5

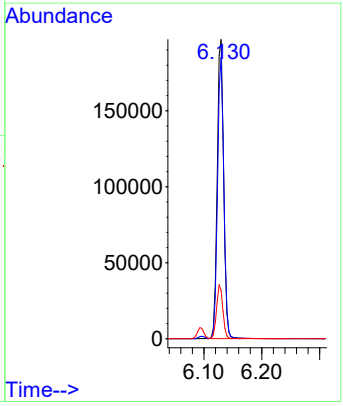


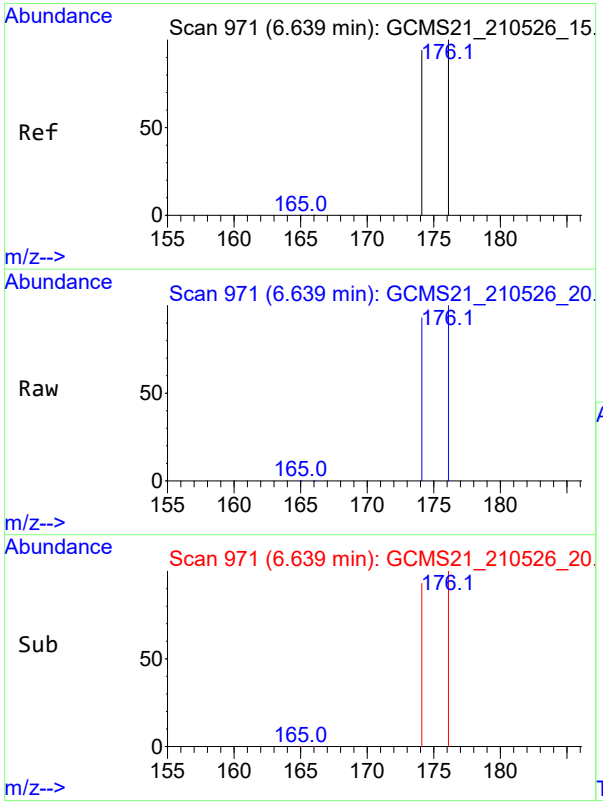


#8
Acenaphthene
Concen: 219.47 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.001 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:153 Resp: 150612

Ion	Ratio	Lower	Upper
153	100		
154	92.2	61.9	121.9
76	17.7	0.0	47.6

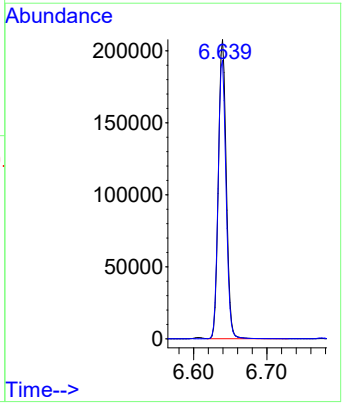


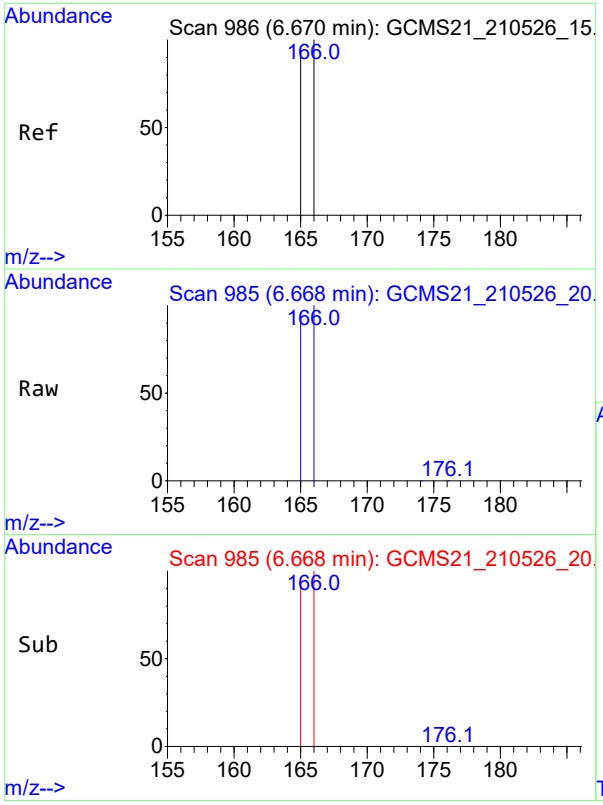


#9
Fluorene-D10
Concen: 239.65 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:176 Resp: 154984

Ion	Ratio	Lower	Upper
176	100		
174	94.1	64.3	124.3

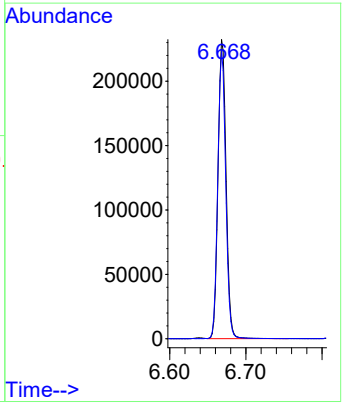


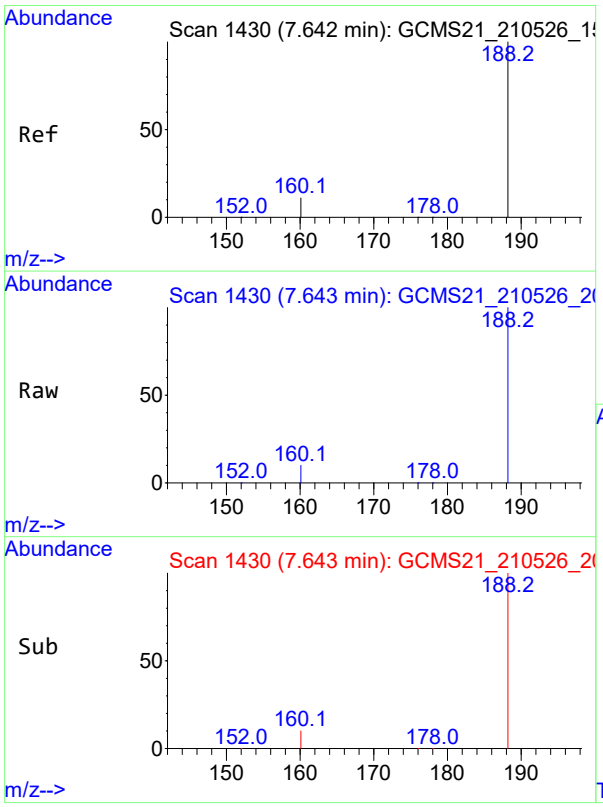


#10
Fluorene
Concen: 223.96 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:166 Resp: 170121

Ion	Ratio	Lower	Upper
166	100		
165	95.5	65.4	125.4

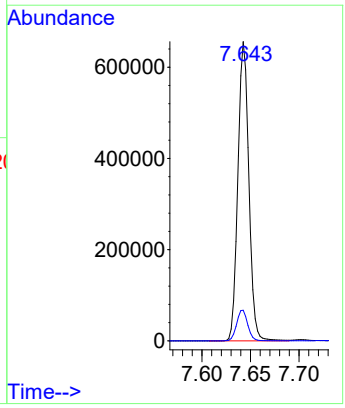


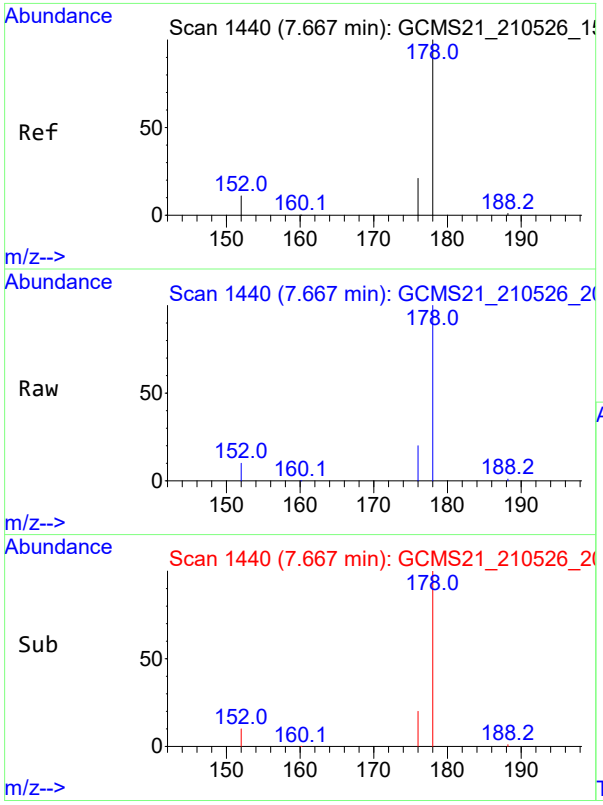


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.643 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:188 Resp: 514133

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	40.3

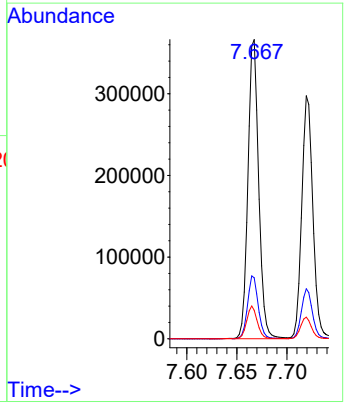


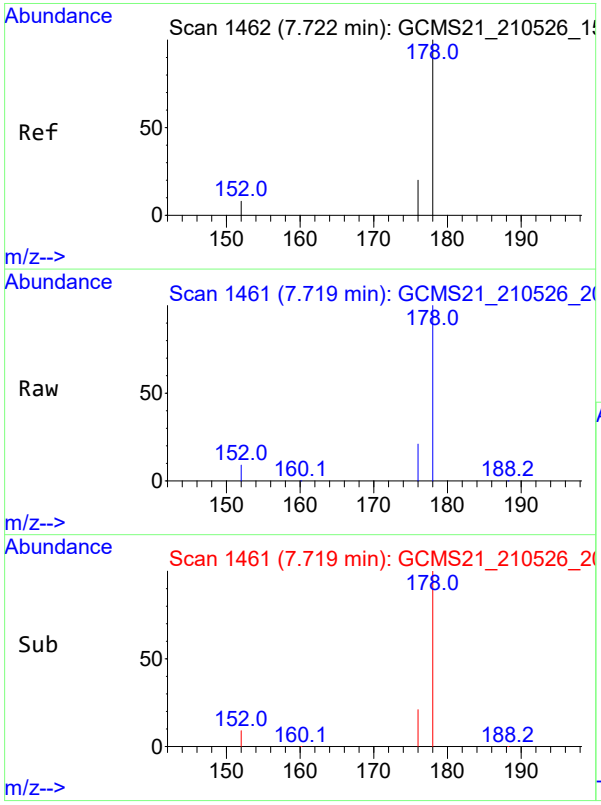


#12
Phenanthrene
Concen: 219.68 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:178 Resp: 272589

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	10.7	0.0	40.7

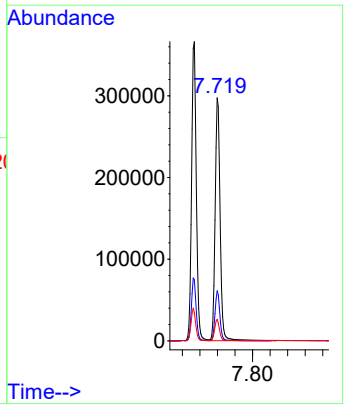


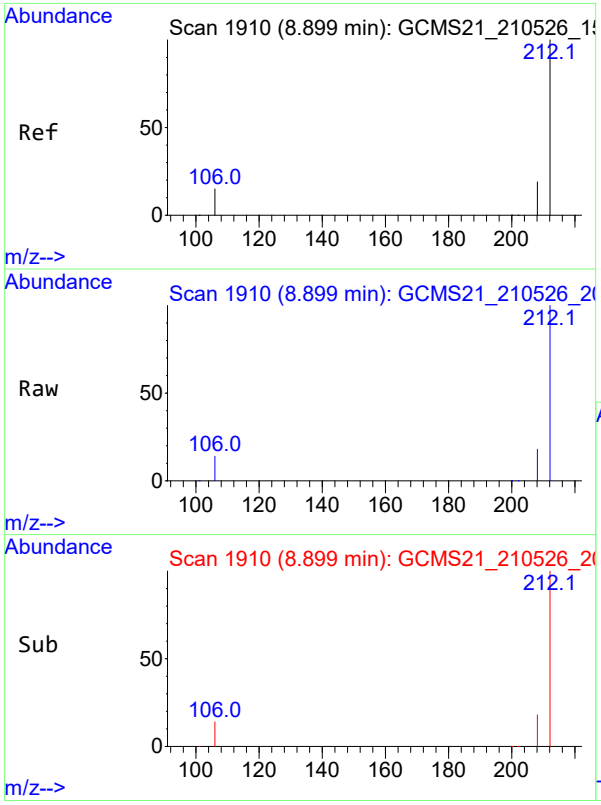


#13
Anthracene
Concen: 215.13 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:178 Resp: 233250

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.2
152	8.7	0.0	38.7

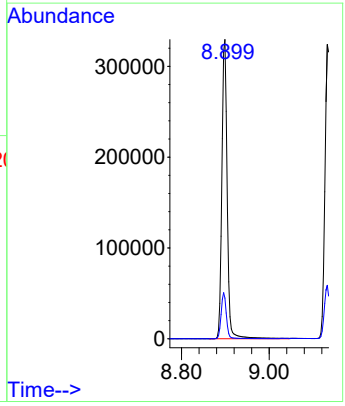


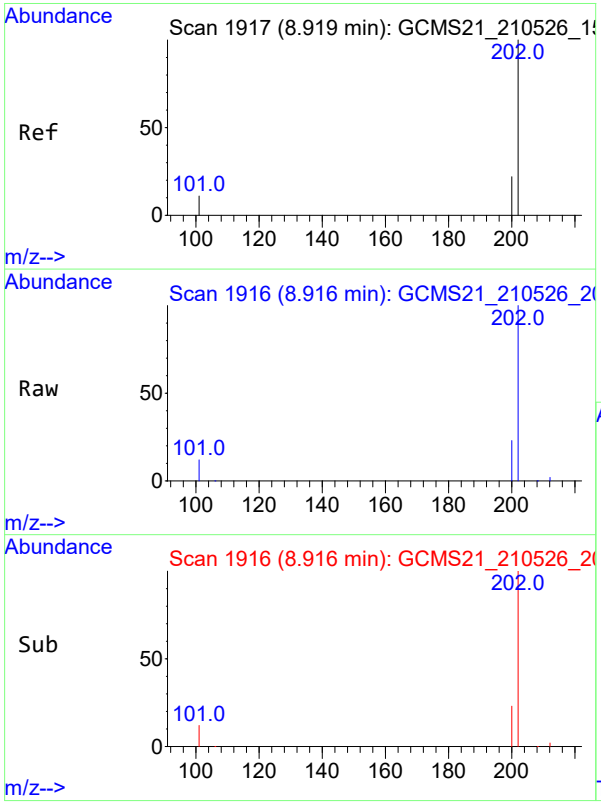


#14
Fluoranthene-D10
Concen: 246.78 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:212 Resp: 276794

Ion	Ratio	Lower	Upper
212	100		
106	15.3	0.0	45.1

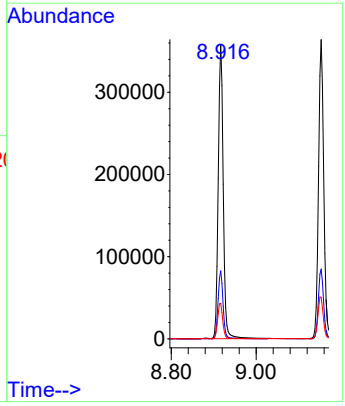


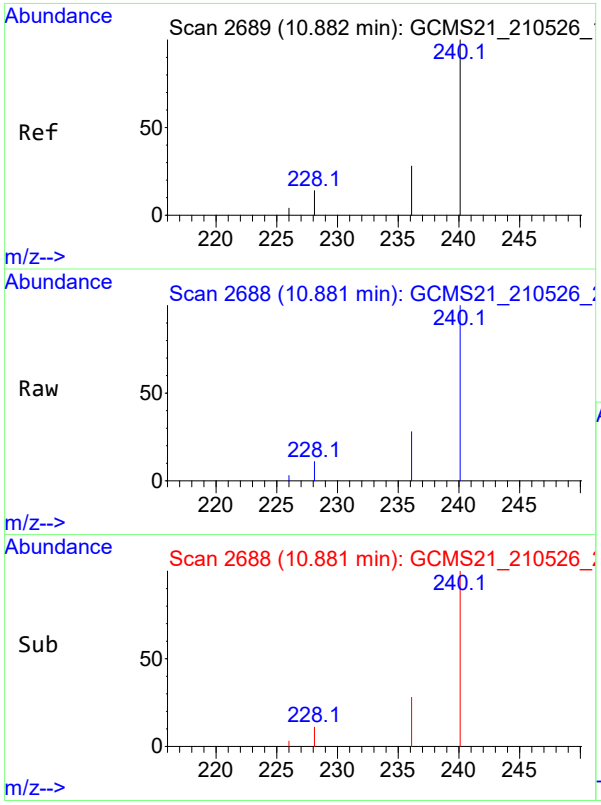


#15
Fluoranthene
Concen: 223.77 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:202 Resp: 293048

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.4	0.0	42.4

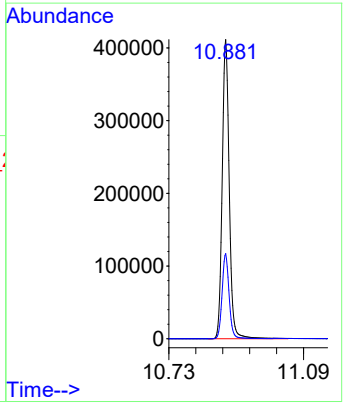


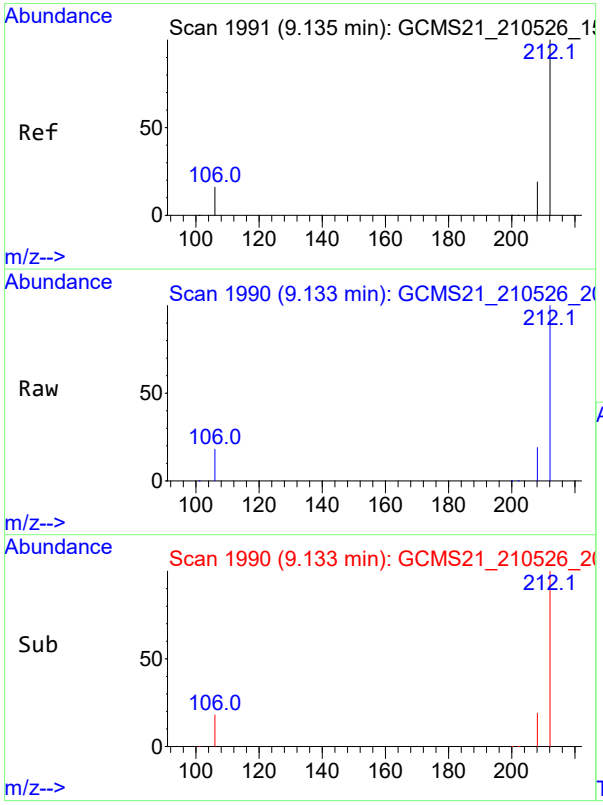


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.881 min Scan# 2688
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:240 Resp: 527033

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

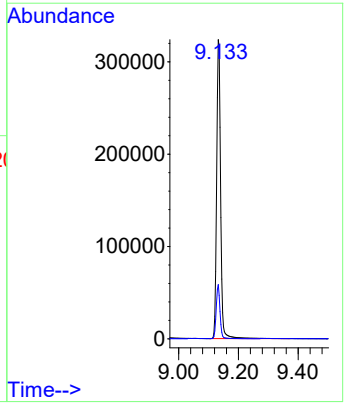


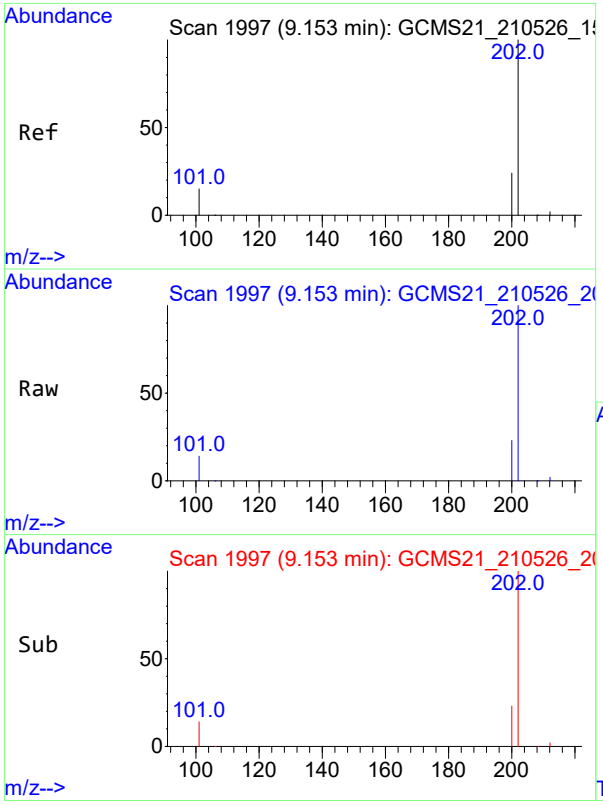


#17
Pyrene-D10
Concen: 246.49 ng/mL
RT: 9.133 min Scan# 1990
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:212 Resp: 296390

Ion	Ratio	Lower	Upper
212	100		
106	17.5	0.0	47.4

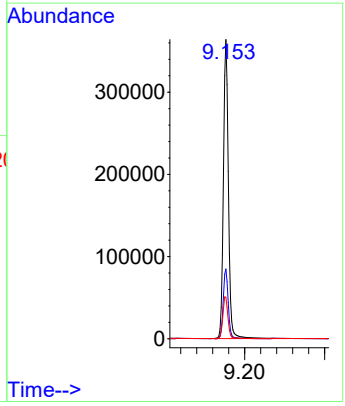


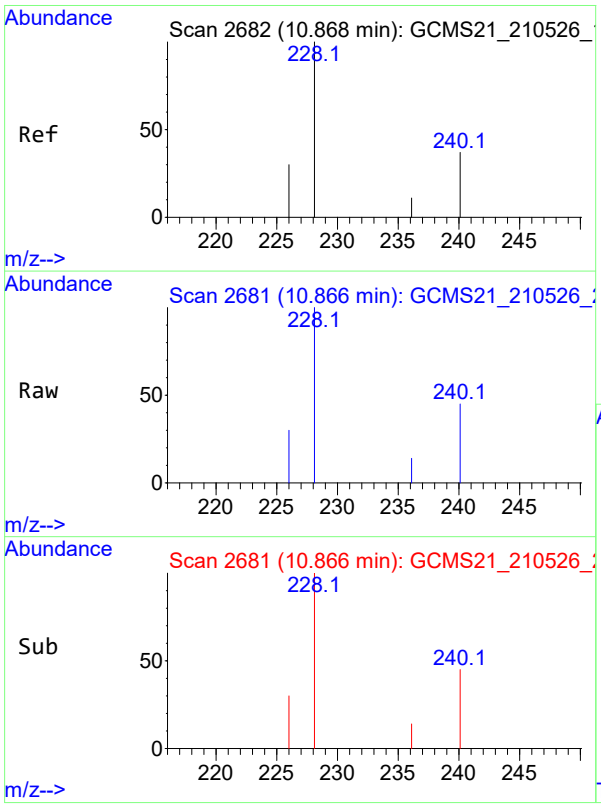


#18
Pyrene
Concen: 223.77 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:202 Resp: 314308

Ion	Ratio	Lower	Upper
202	100		
200	23.5	0.0	53.6
101	14.5	0.0	44.4

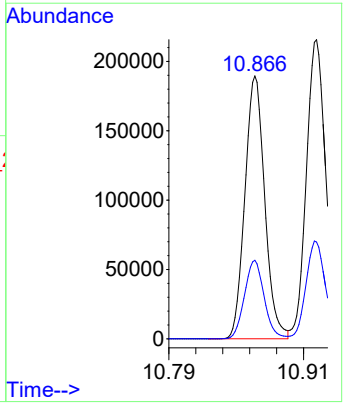


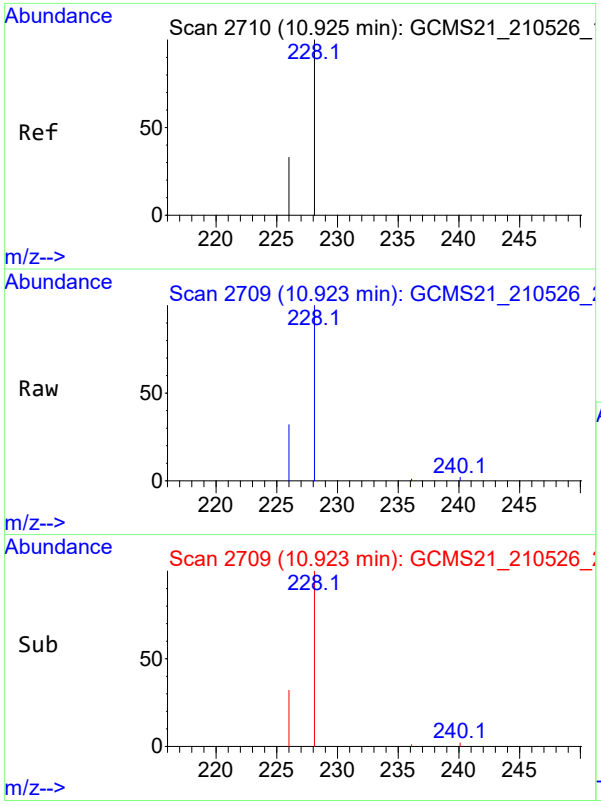


#19
Benzo(a)anthracene
Concen: 228.51 ng/mL
RT: 10.866 min Scan# 2681
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:228 Resp: 242240

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.6

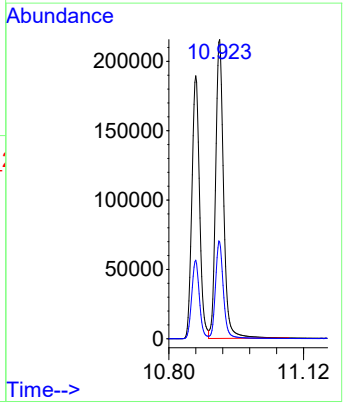


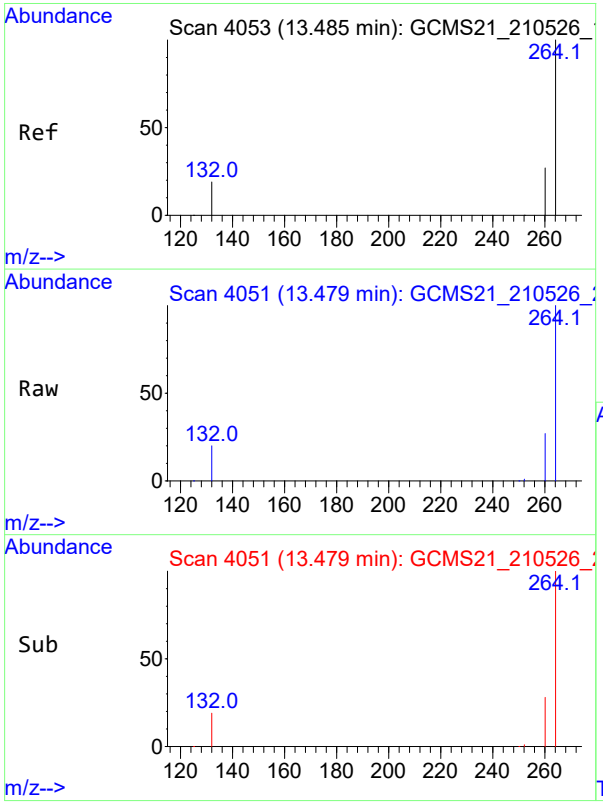


#20
Chrysene
Concen: 217.96 ng/mL
RT: 10.923 min Scan# 2709
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:228 Resp: 285259

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.5	62.5

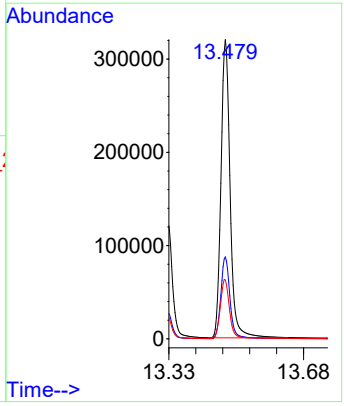


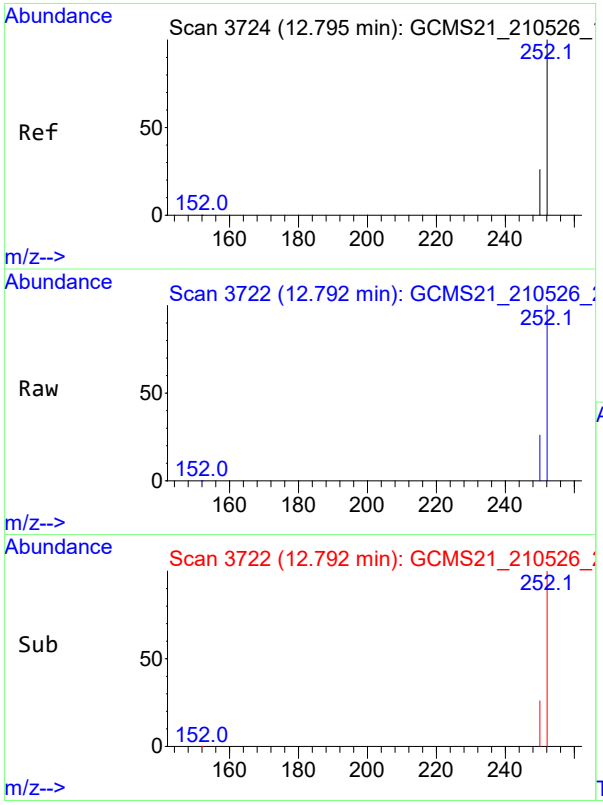


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.479 min Scan# 4051
Delta R.T. -0.006 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:264 Resp: 530238

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	20.0	0.0	49.9

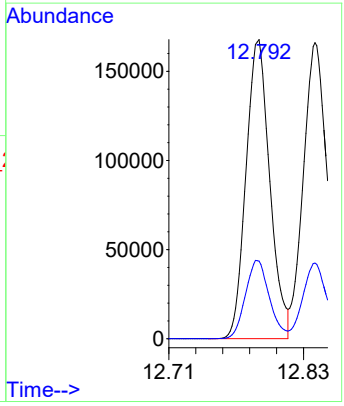


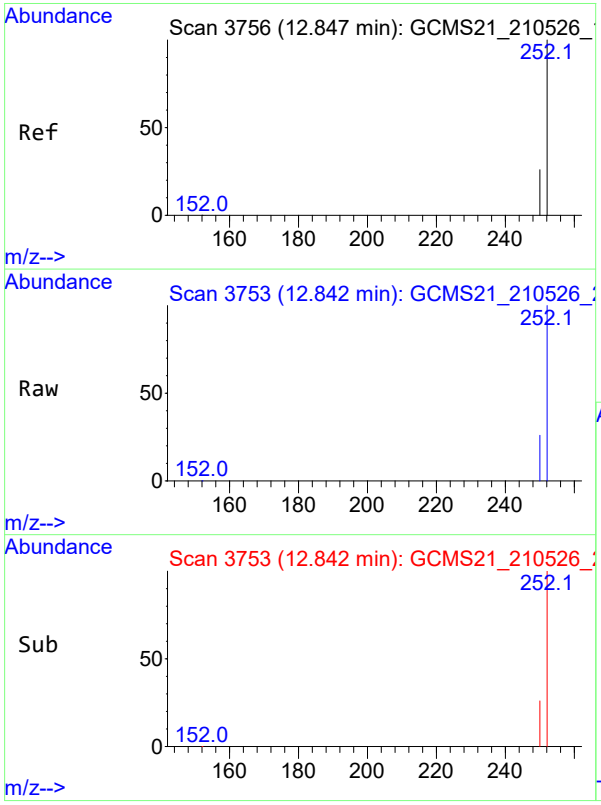


#22
Benzo(b)fluoranthene
Concen: 226.71 ng/mL
RT: 12.792 min Scan# 3722
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 249523

Ion	Ratio	Lower	Upper
252	100		
250	26.4	0.0	56.2

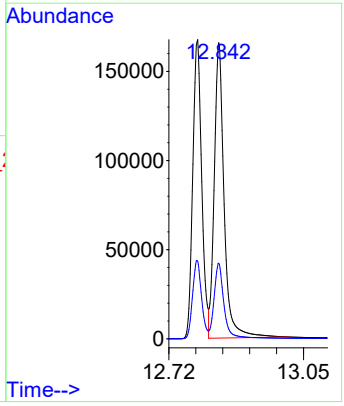


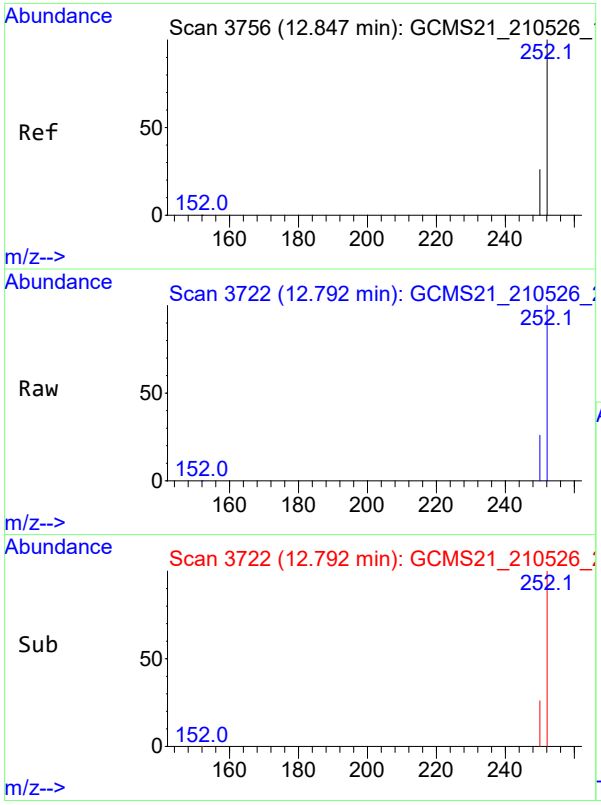


#23
Benzo(k)fluoranthene
Concen: 223.15 ng/mL
RT: 12.842 min Scan# 3753
Delta R.T. -0.005 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 272202

Ion	Ratio	Lower	Upper
252	100		
250	25.6	0.0	55.4

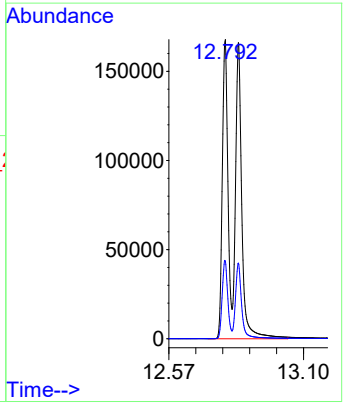


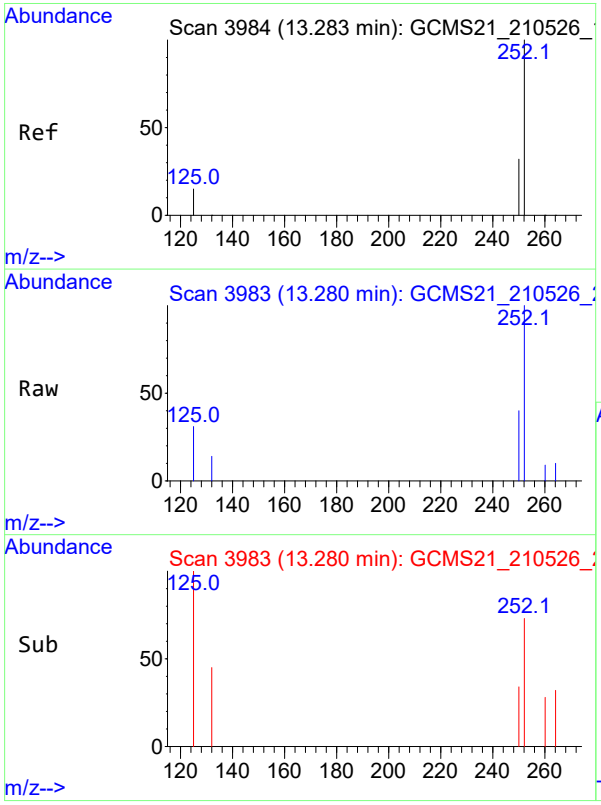


#24
benzo(b+k)fluoranthene (sum)
Concen: 444.55 ng/mL m
RT: 12.792 min Scan# 3722
Delta R.T. -0.055 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 531649

Ion	Ratio	Lower	Upper
252	100		
250	26.1	0.0	56.3

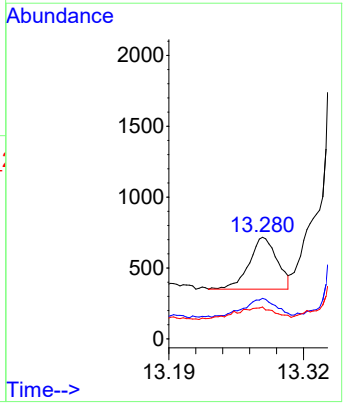


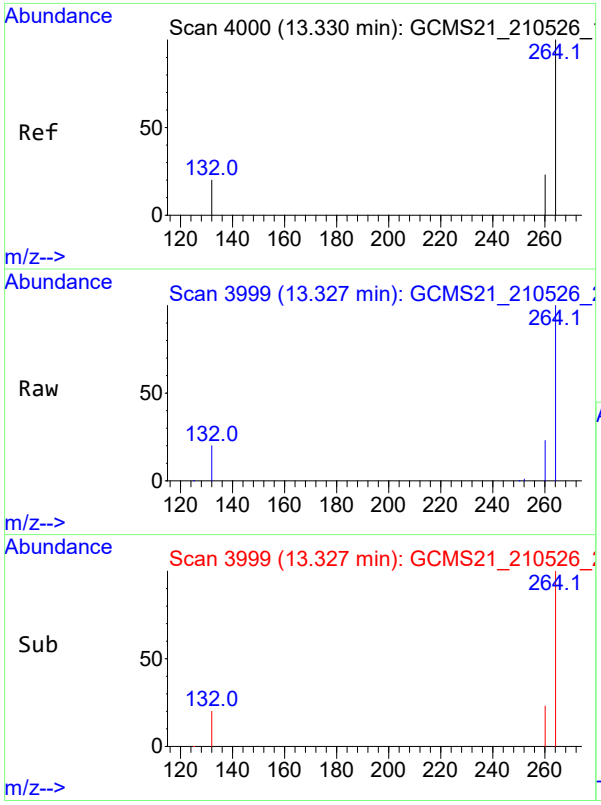


#25
Benzo(e)pyrene
Concen: 0.59 ng/mL
RT: 13.280 min Scan# 3983
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 654

Ion	Ratio	Lower	Upper
252	100		
250	41.7	2.4	62.4
125	33.8	0.0	46.0

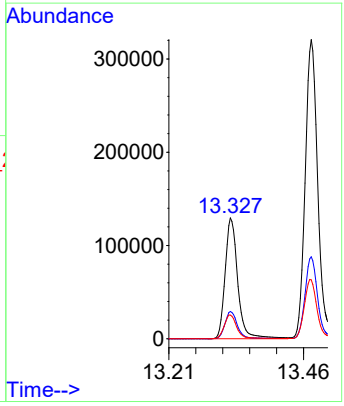


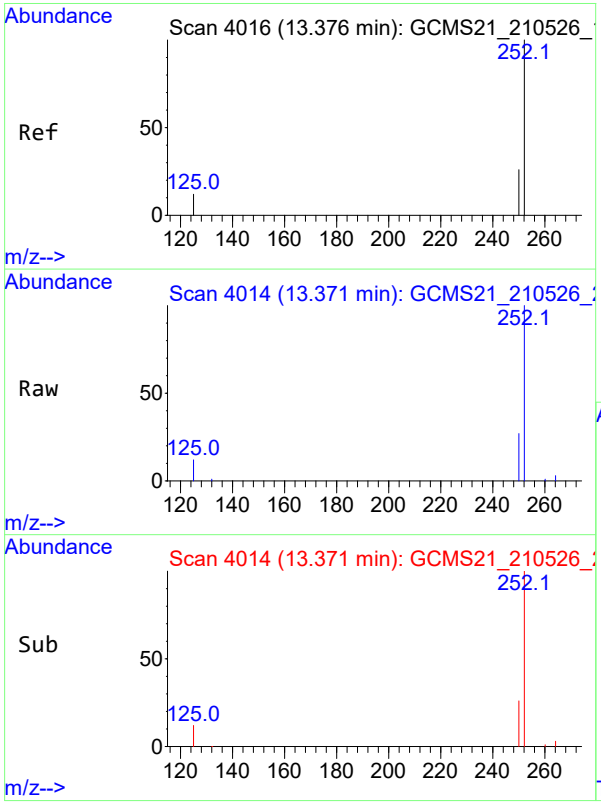


#26
Benzo(a)pyrene-D12
Concen: 247.07 ng/mL
RT: 13.327 min Scan# 3999
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:264 Resp: 212848

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	52.7
132	19.8	0.0	49.5

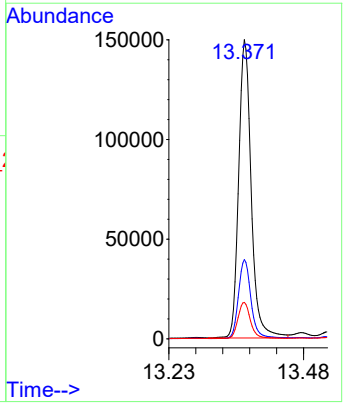


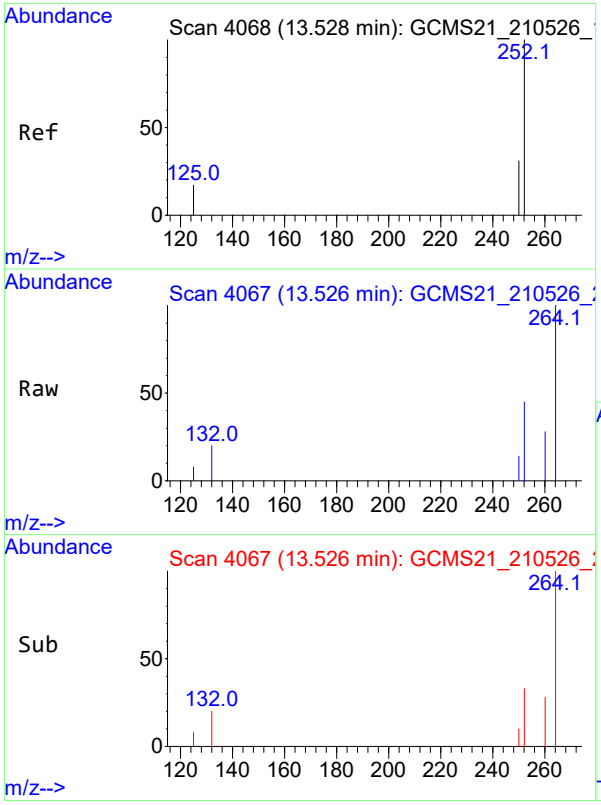


#27
Benzo(a)pyrene
Concen: 243.62 ng/mL
RT: 13.371 min Scan# 4014
Delta R.T. -0.005 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 244716

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	57.2
125	12.3	0.0	42.3

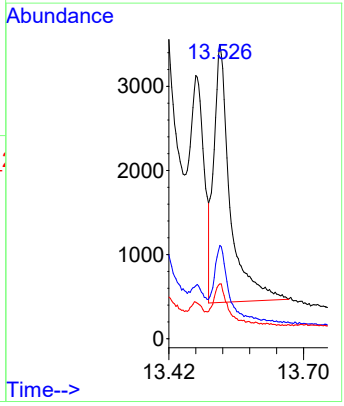


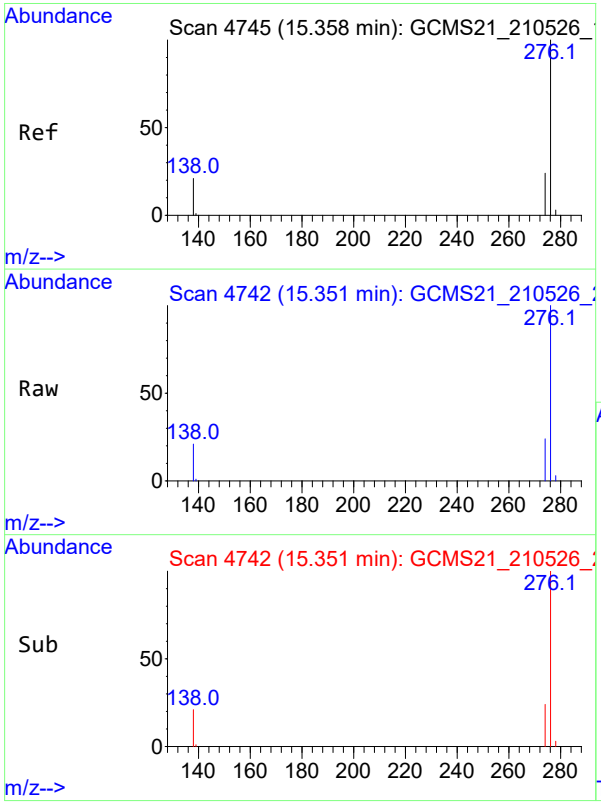


#28
Perylene
Concen: 6.40 ng/mL
RT: 13.526 min Scan# 4067
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 7224

Ion	Ratio	Lower	Upper
252	100		
250	26.2	1.1	61.1
125	11.2	0.0	46.2

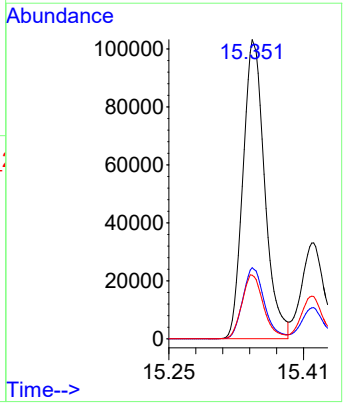


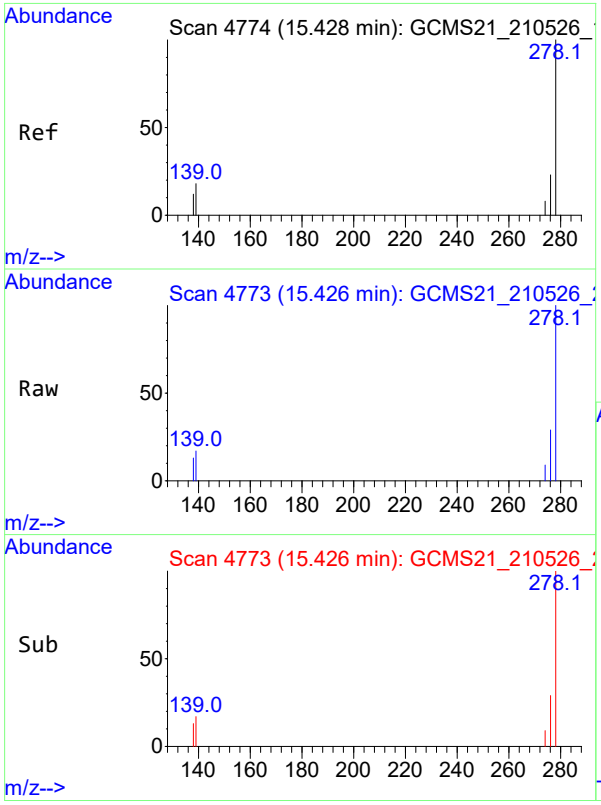


#29
Indeno(1,2,3-cd)pyrene
Concen: 218.83 ng/mL
RT: 15.351 min Scan# 4742
Delta R.T. -0.007 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:276 Resp: 188095

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.7
138	21.3	0.0	51.1

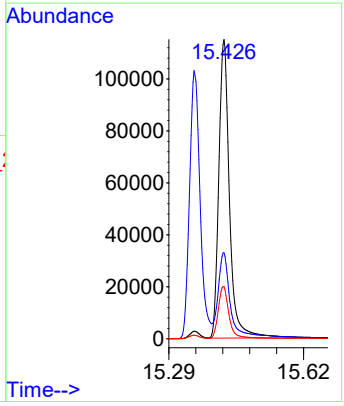


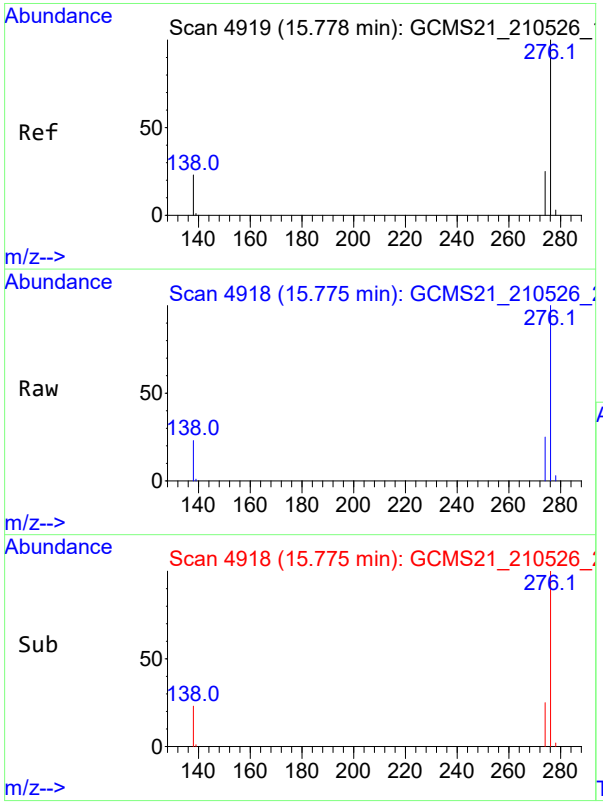


#30
Dibenz(a,h)anthracene
Concen: 247.62 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:278 Resp: 212130

Ion	Ratio	Lower	Upper
278	100		
276	32.6	2.7	62.7
139	17.2	0.0	47.4

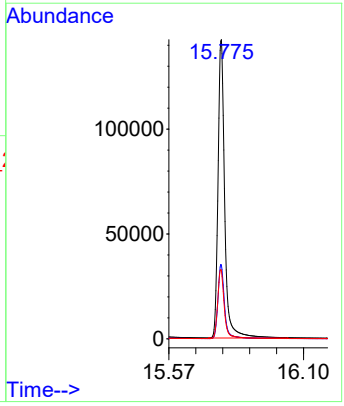




#31
Benzo(g,h,i)perylene
Concen: 233.24 ng/mL
RT: 15.775 min Scan# 4918
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:276 Resp: 260482

Ion	Ratio	Lower	Upper
276	100		
274	24.6	0.0	54.7
138	22.8	0.0	52.8



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_20.D
Acq On : 26 May 2021 18:51
Operator : MN GCMS21
Sample : PAH ICV 250ng/mL
Misc : LIMS 21C0501
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 11:02:21 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

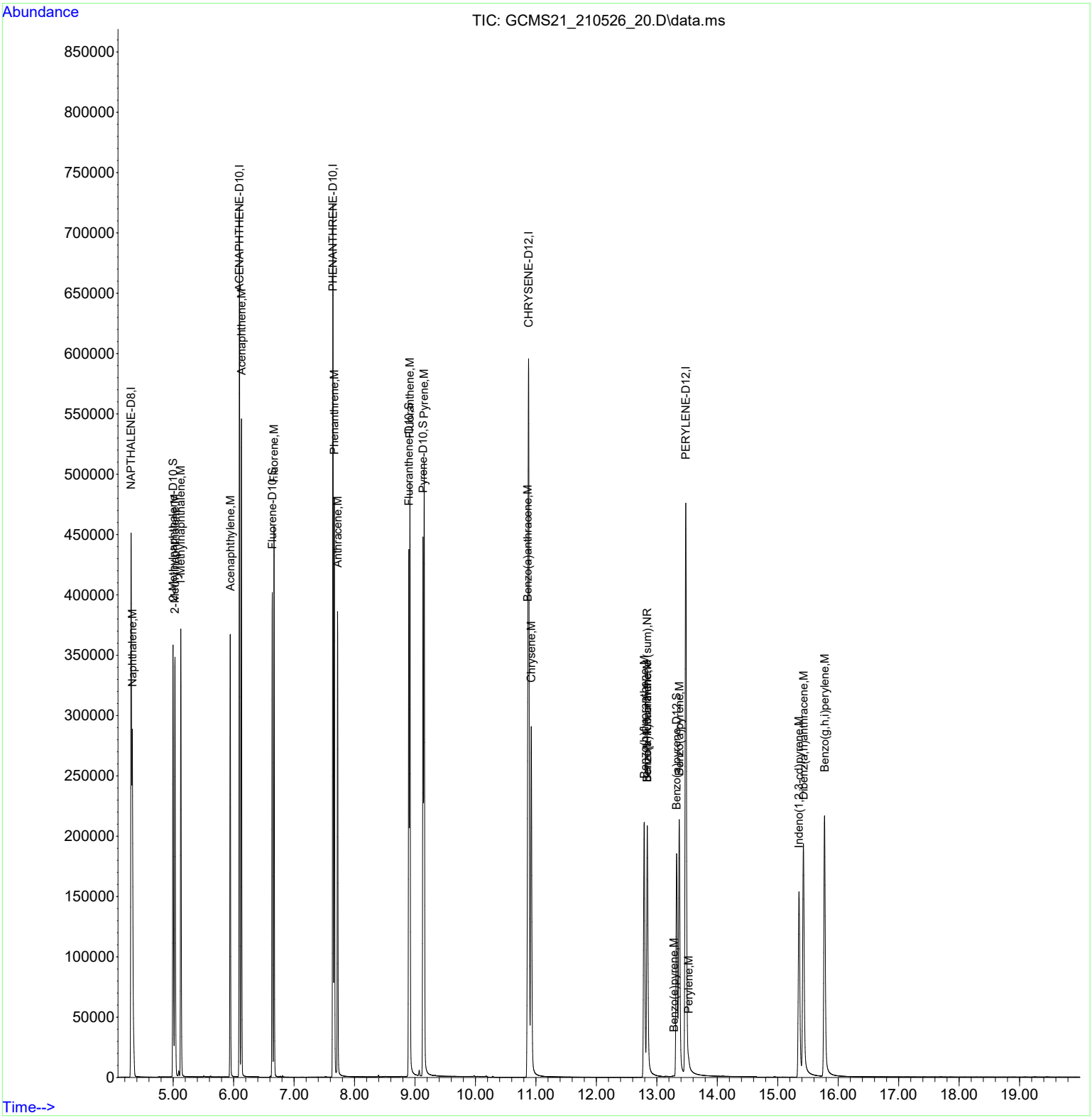
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	485103	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	270123	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.643	188	514133	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.881	240	527033	500.00	ng/mL	0.00
21) PERYLENE-D12	13.479	264	530238	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	149948	245.60	ng/mL	0.00
9) Fluorene-D10	6.639	176	154984	239.65	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	276794	248.64	ng/mL	0.00
17) Pyrene-D10	9.133	212	296390	246.49	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.327	264	212848	247.07	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.325	128	208127	223.61	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	145352	212.04	ng/mL	99
5) 1-Methylnaphthalene	5.127	142	139672	244.62	ng/mL	98
7) Acenaphthylene	5.946	152	200299	223.41	ng/mL	99
8) Acenaphthene	6.130	153	150612	219.47	ng/mL	98
10) Fluorene	6.668	166	170121	223.96	ng/mL	100
12) Phenanthrene	7.667	178	272589	219.68	ng/mL	100
13) Anthracene	7.719	178	233250	226.07	ng/mL	100
15) Fluoranthene	8.916	202	293048	223.77	ng/mL	98
18) Pyrene	9.153	202	314308	223.77	ng/mL	99
19) Benzo(a)anthracene	10.866	228	242240	228.51	ng/mL	100
20) Chrysene	10.923	228	285259	217.96	ng/mL	99
22) Benzo(b)fluoranthene	12.792	252	249523	226.71	ng/mL	100
23) Benzo(k)fluoranthene	12.842	252	272202	223.15	ng/mL	100
24) benzo(b+k)fluoranthene...	12.842	252	278444	232.83	ng/mL	99
25) Benzo(e)pyrene	13.280	252	654	0.59	ng/mL	74
27) Benzo(a)pyrene	13.371	252	244716	243.62	ng/mL	99
28) Perylene	13.526	252	7224	6.40	ng/mL	89
29) Indeno(1,2,3-cd)pyrene	15.351	276	188095	218.83	ng/mL	99
30) Dibenz(a,h)anthracene	15.426	278	212130	247.62	ng/mL	88
31) Benzo(g,h,i)perylene	15.775	276	260482	233.24	ng/mL	100

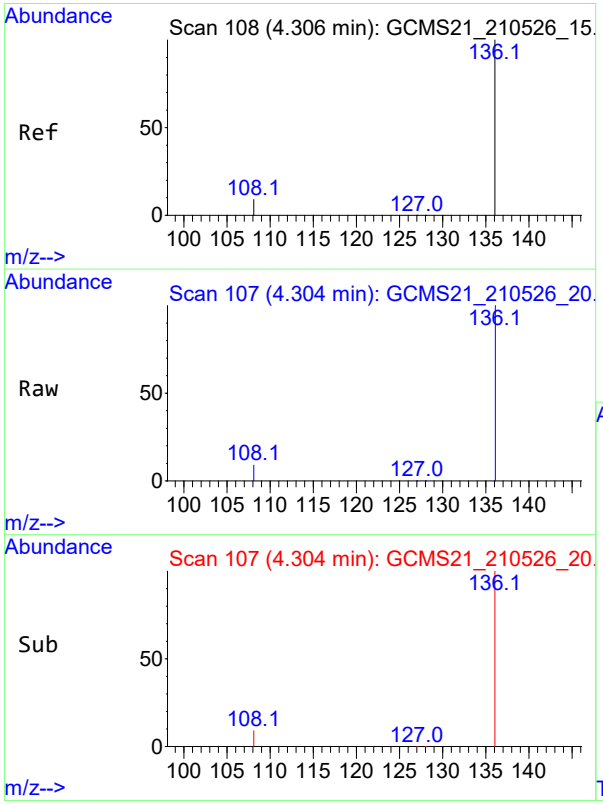
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL\
Data File : GCMS21_210526_20.D
Acq On : 26 May 2021 18:51
Operator : MN GCMS21
Sample : PAH ICV 250ng/mL
Misc : LIMS 21C0501
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 11:02:21 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

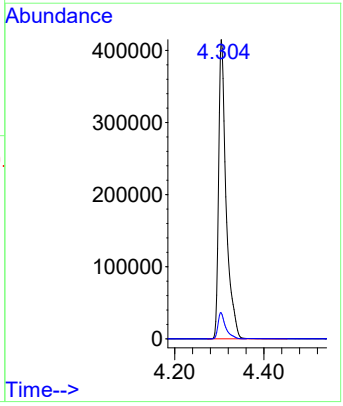


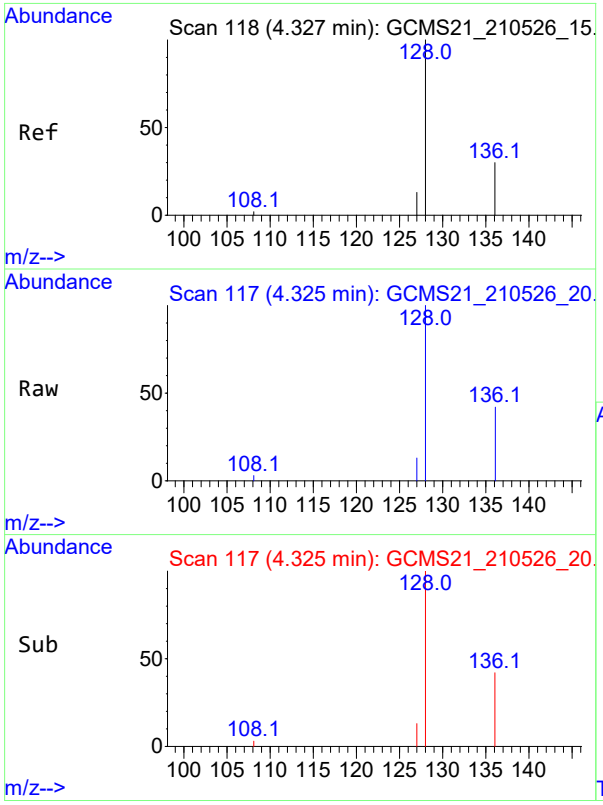


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:136 Resp: 485103

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	28.3

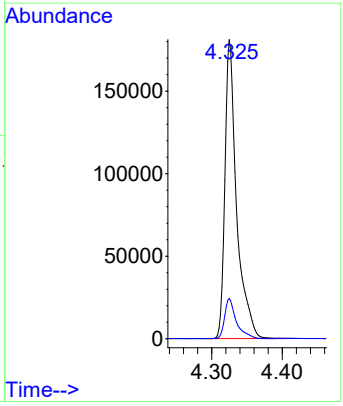


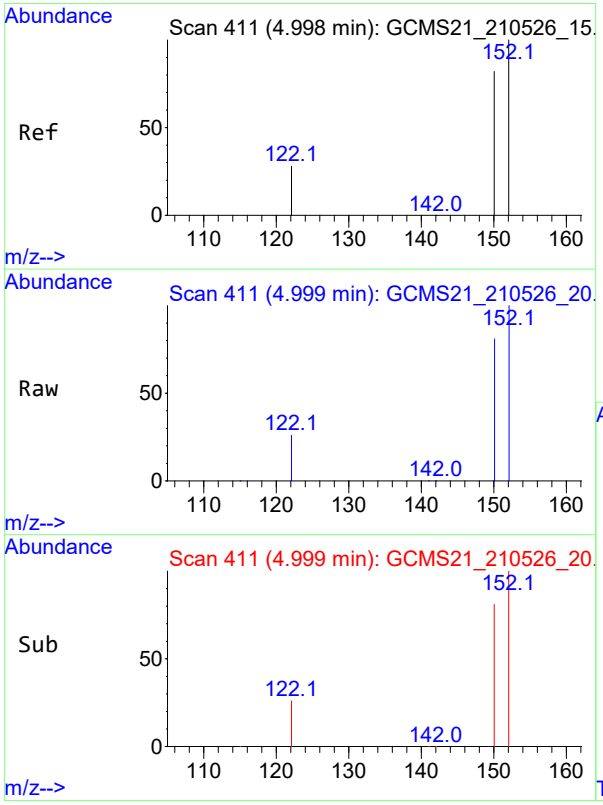


#2
Naphthalene
Concen: 223.61 ng/mL
RT: 4.325 min Scan# 117
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:128 Resp: 208127

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.3

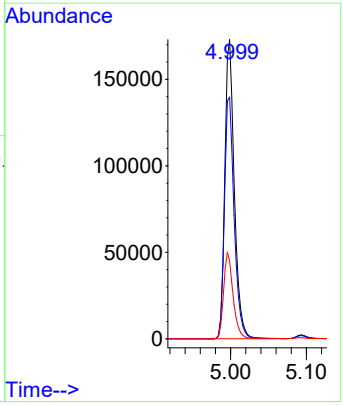


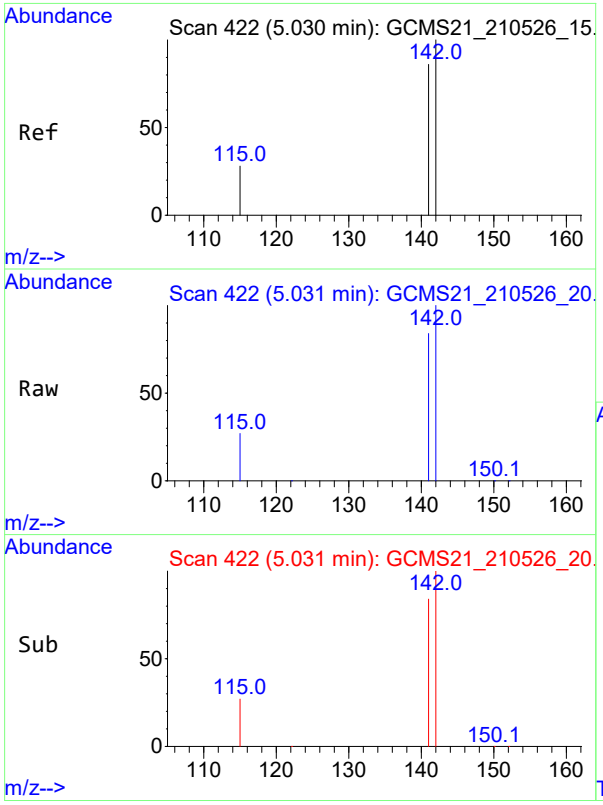


#3
2-Methylnaphthalene-D10
Concen: 245.60 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:152 Resp: 149948

Ion	Ratio	Lower	Upper
152	100		
150	82.6	52.3	112.3
122	28.8	0.0	57.5

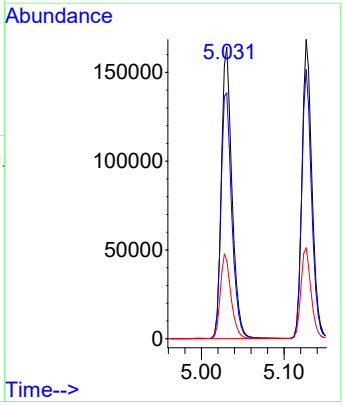


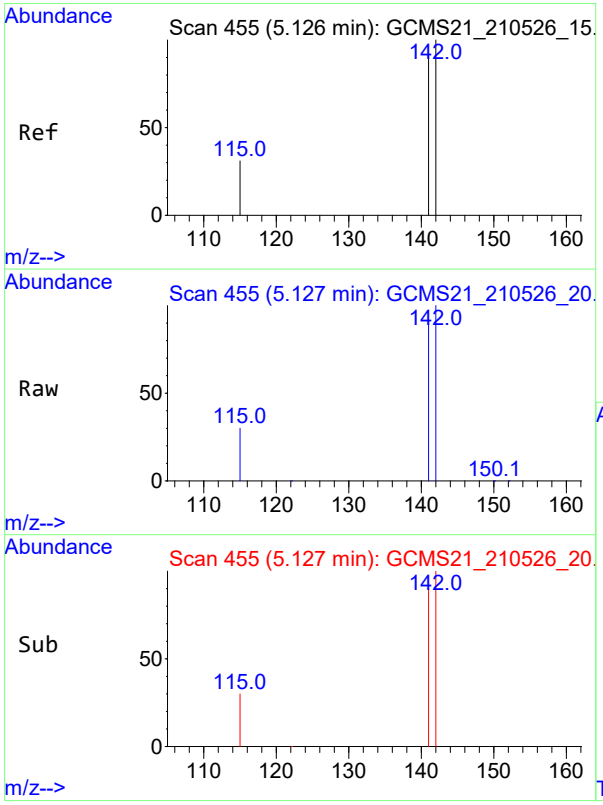


#4
2-Methylnaphthalene
Concen: 212.04 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:142 Resp: 145352

Ion	Ratio	Lower	Upper
142	100		
141	86.4	56.3	116.3
115	29.0	0.0	57.4

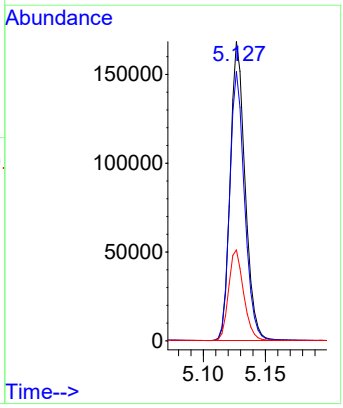


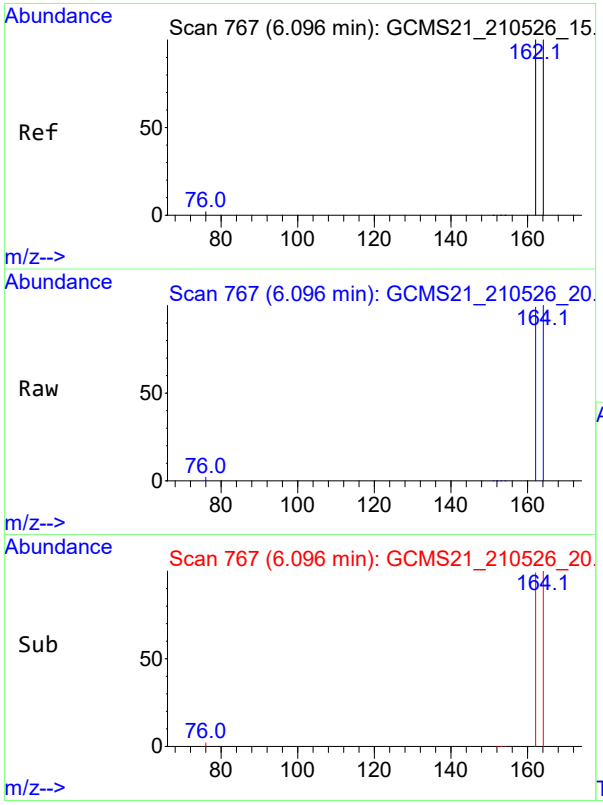


#5
1-Methylnaphthalene
Concen: 244.62 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:142 Resp: 139672

Ion	Ratio	Lower	Upper
142	100		
141	89.9	61.5	121.5
115	30.8	0.2	60.2

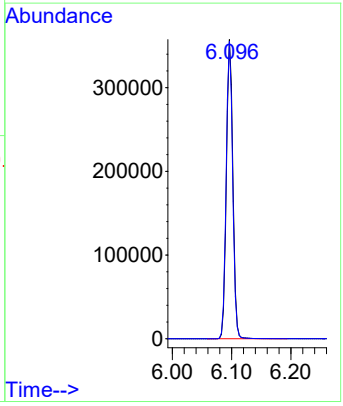


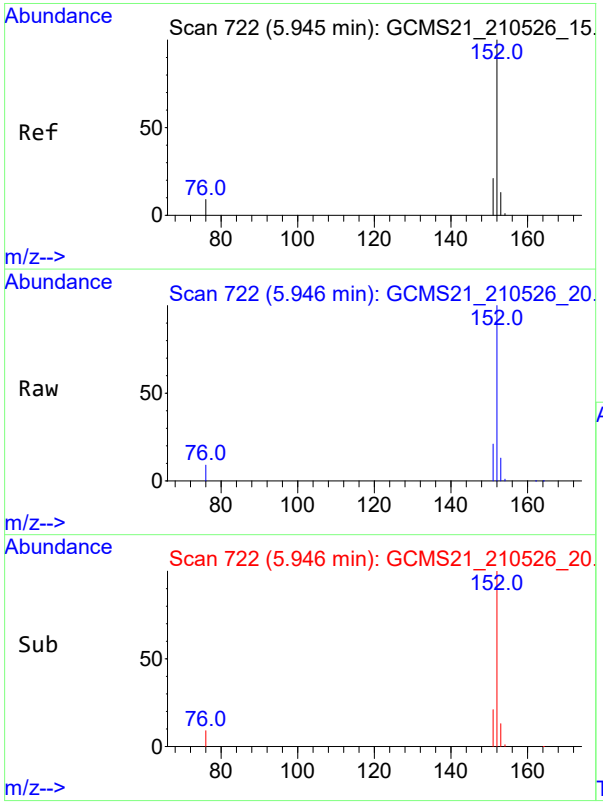


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:164 Resp: 270123

Ion	Ratio	Lower	Upper
164	100		
162	99.5	77.7	117.7

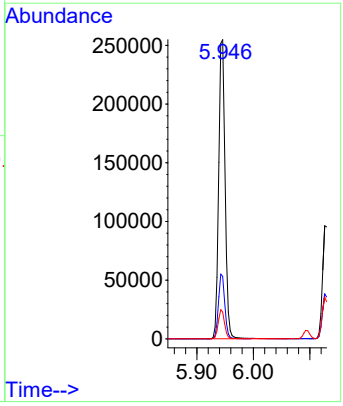


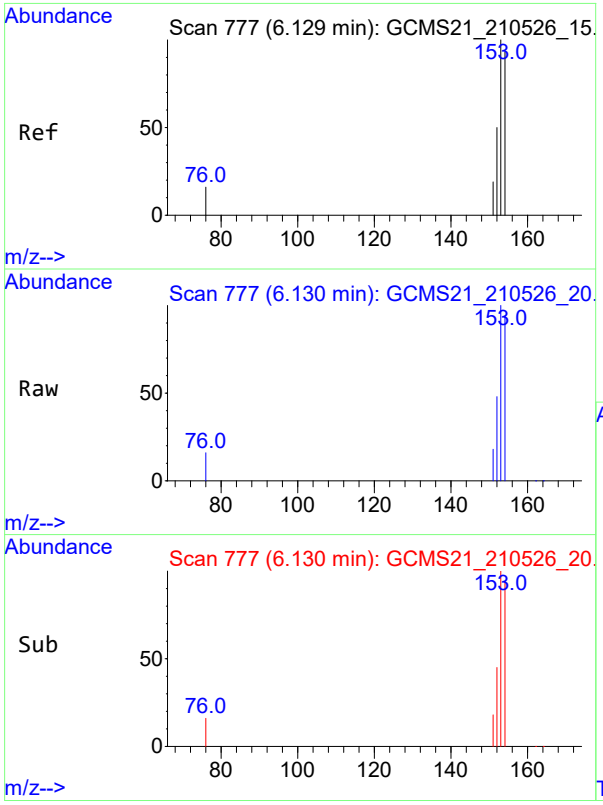


#7
Acenaphthylene
Concen: 223.41 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:152 Resp: 200299

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	52.0
76	9.6	0.0	39.5

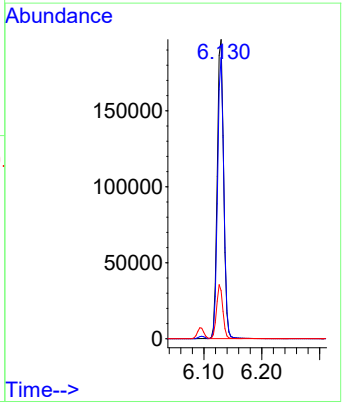


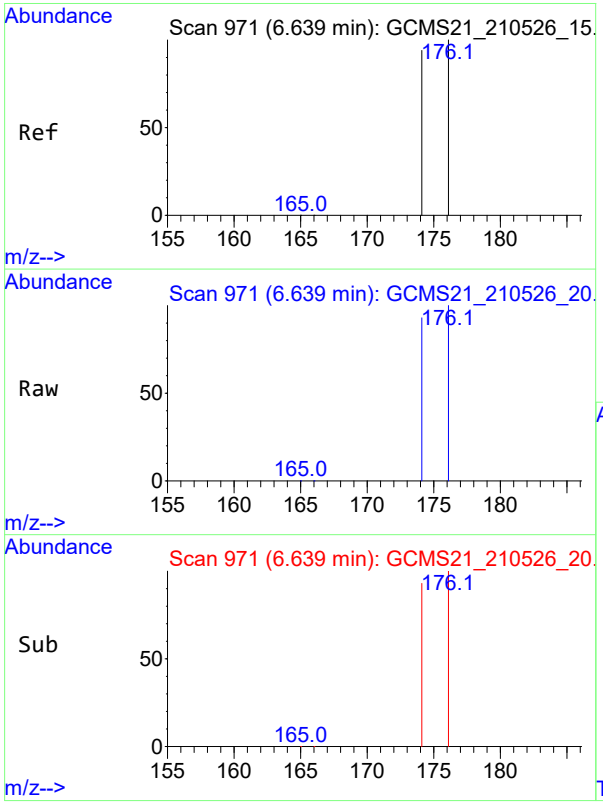


#8
Acenaphthene
Concen: 219.47 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:153 Resp: 150612

Ion	Ratio	Lower	Upper
153	100		
154	92.2	60.4	120.4
76	17.7	0.0	47.4

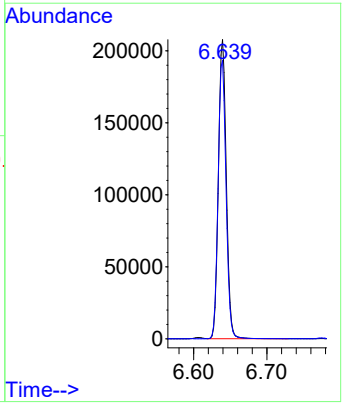


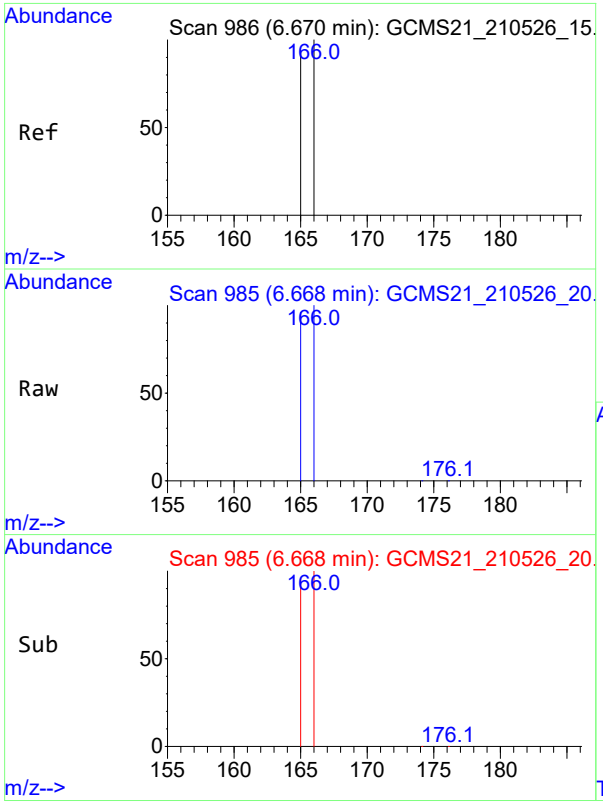


#9
Fluorene-D10
Concen: 239.65 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:176 Resp: 154984

Ion	Ratio	Lower	Upper
176	100		
174	94.1	63.9	123.9

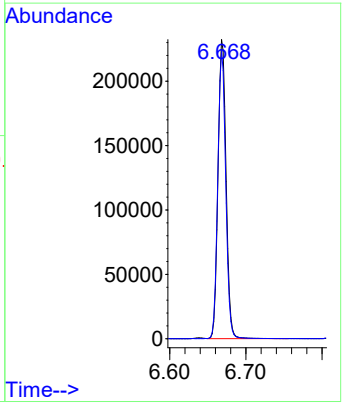


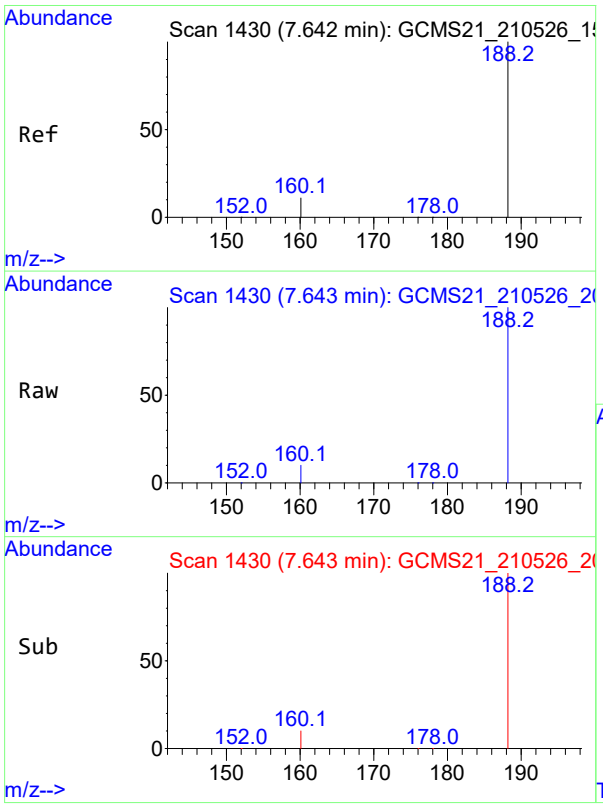


#10
Fluorene
Concen: 223.96 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:166 Resp: 170121

Ion	Ratio	Lower	Upper
166	100		
165	95.5	65.1	125.1

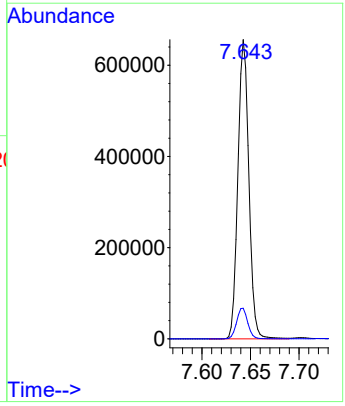


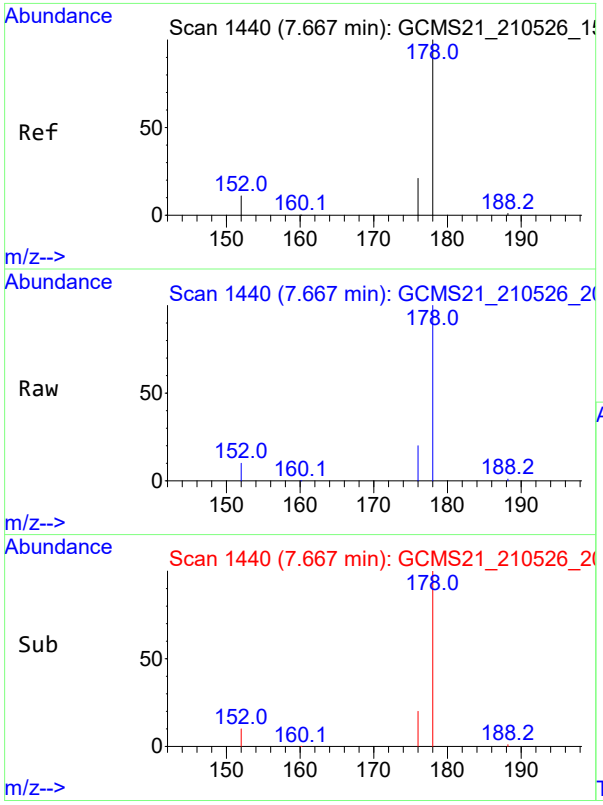


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.643 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:188 Resp: 514133

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	39.8

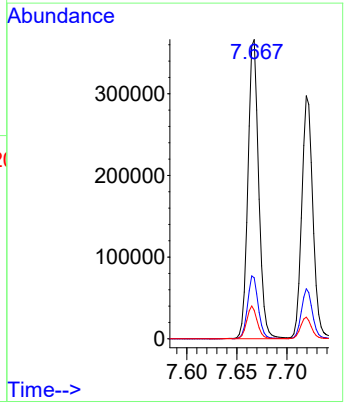


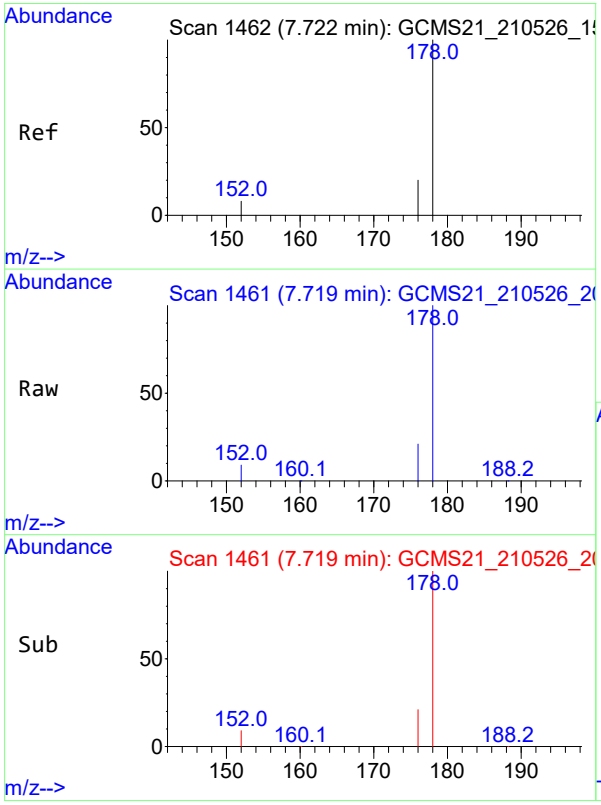


#12
Phenanthrene
Concen: 219.68 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:178 Resp: 272589

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	10.7	0.0	40.5

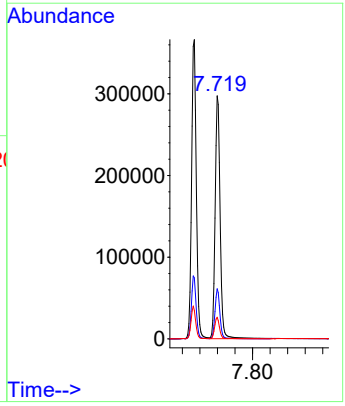


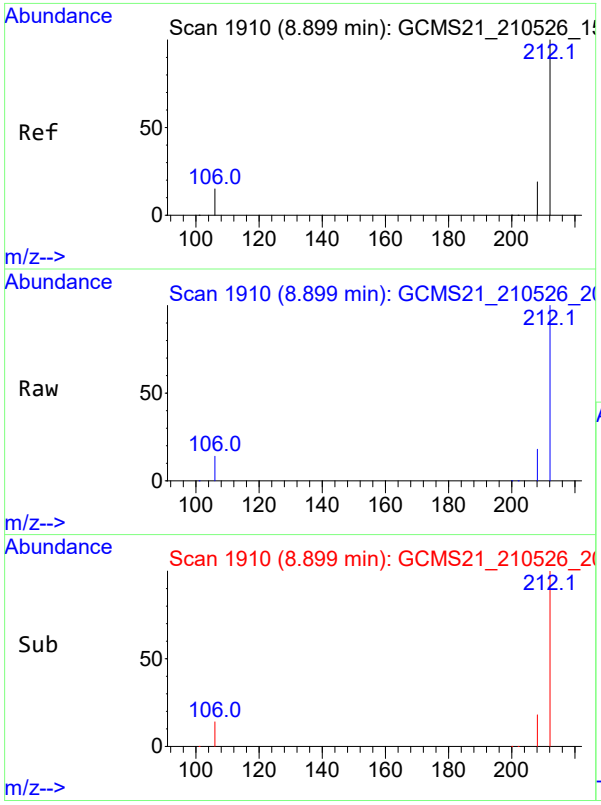


#13
Anthracene
Concen: 226.07 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:178 Resp: 233250

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.2
152	8.7	0.0	38.2

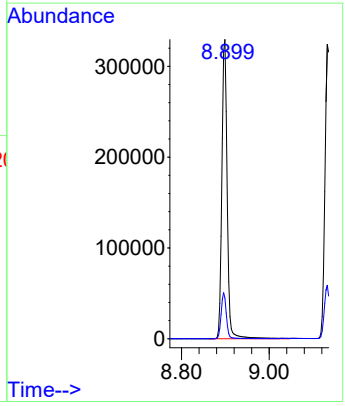


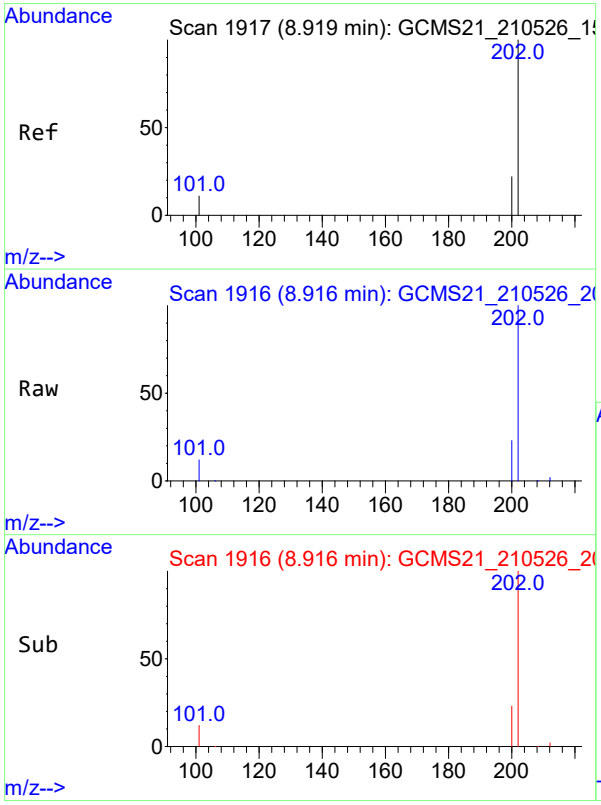


#14
Fluoranthene-D10
Concen: 248.64 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:212 Resp: 276794

Ion	Ratio	Lower	Upper
212	100		
106	15.3	0.0	44.9

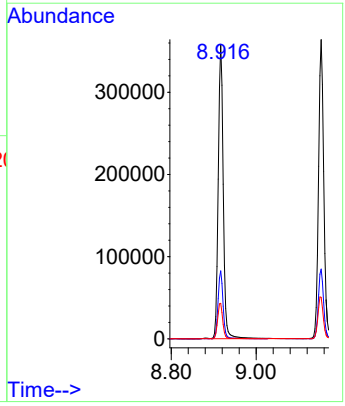


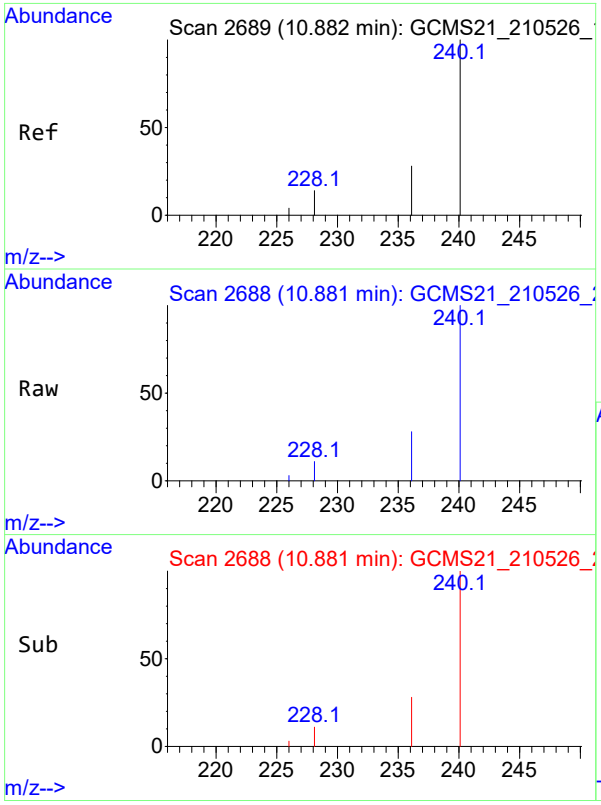


#15
Fluoranthene
Concen: 223.77 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:202 Resp: 293048

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	52.4
101	12.4	0.0	41.1

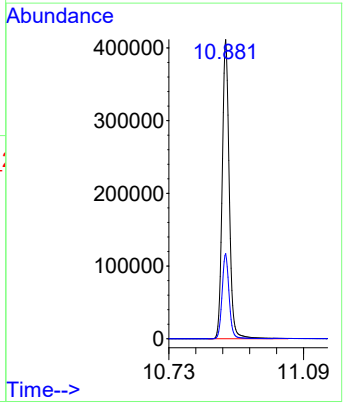


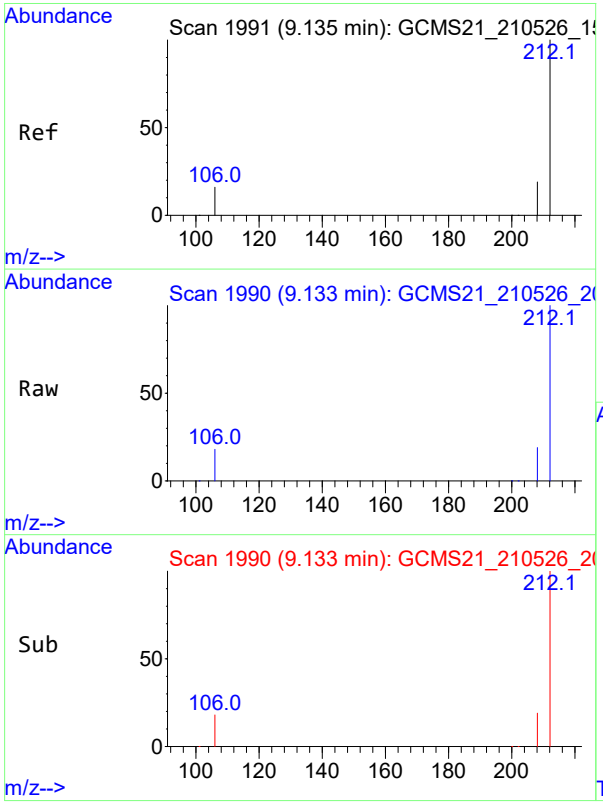


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.881 min Scan# 2688
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:240 Resp: 527033

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

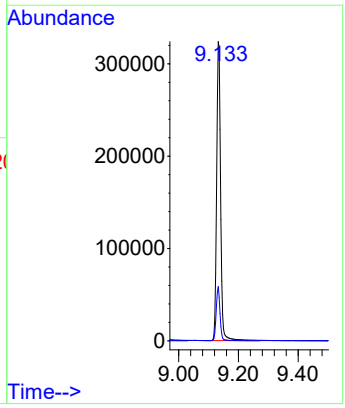


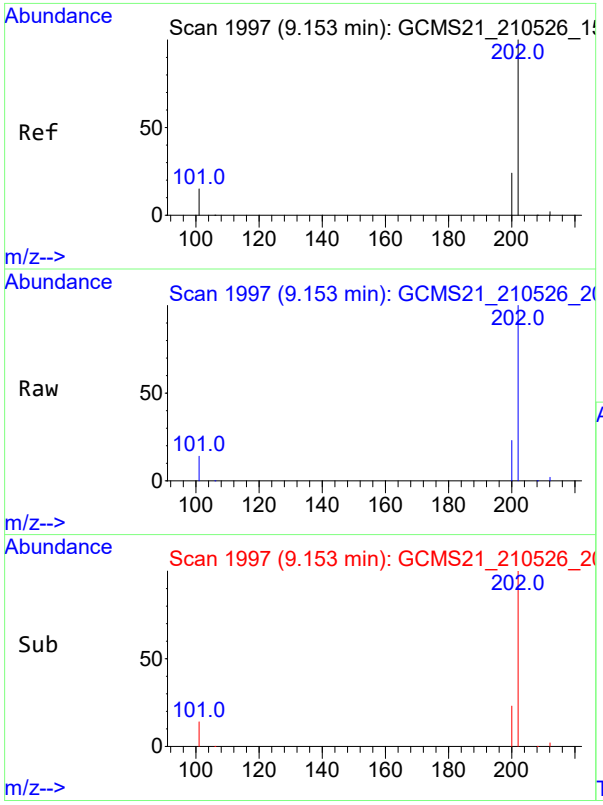


#17
Pyrene-D10
Concen: 246.49 ng/mL
RT: 9.133 min Scan# 1990
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:212 Resp: 296390

Ion	Ratio	Lower	Upper
212	100		
106	17.5	0.0	46.2

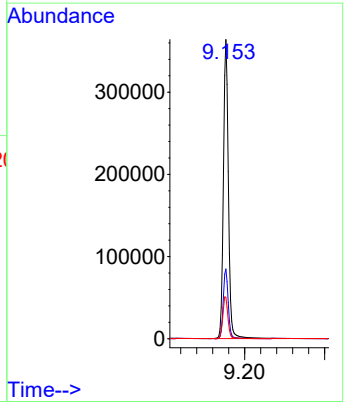


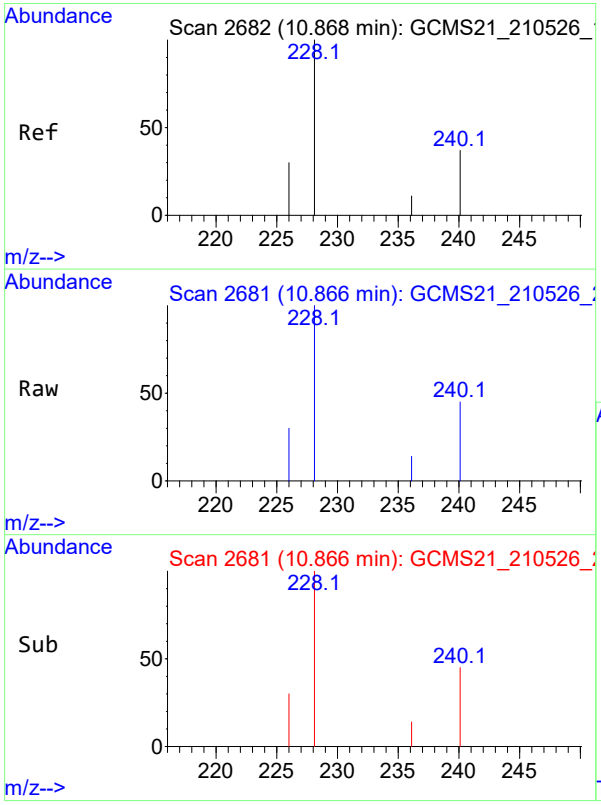


#18
Pyrene
Concen: 223.77 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:202 Resp: 314308

Ion	Ratio	Lower	Upper
202	100		
200	23.5	0.0	53.9
101	14.5	0.0	44.5

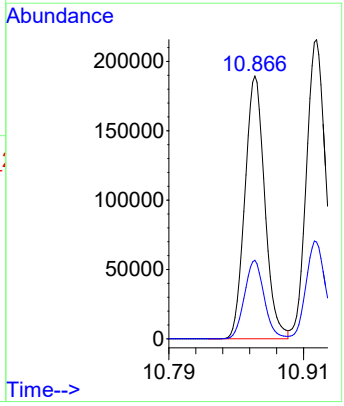


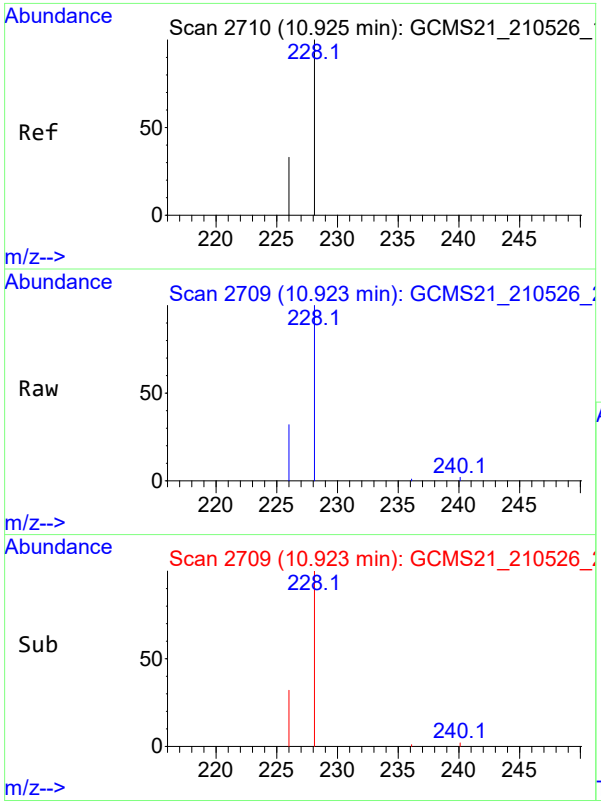


#19
Benzo(a)anthracene
Concen: 228.51 ng/mL
RT: 10.866 min Scan# 2681
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:228 Resp: 242240

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.8

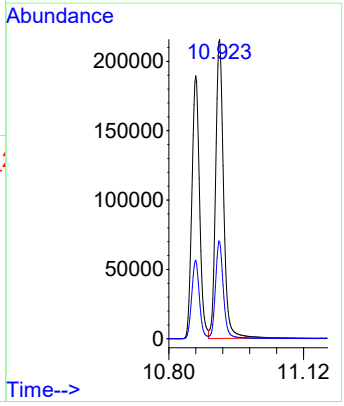


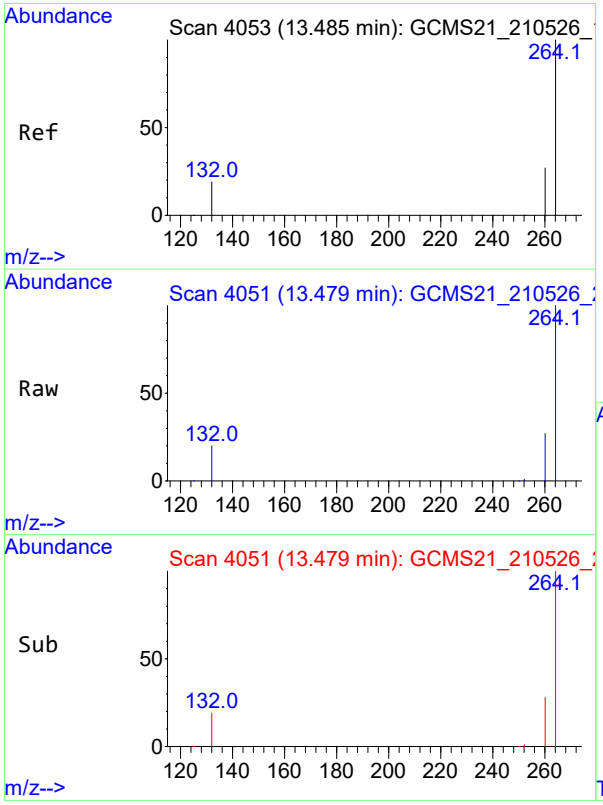


#20
Chrysene
Concen: 217.96 ng/mL
RT: 10.923 min Scan# 2709
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:228 Resp: 285259

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.8	62.8

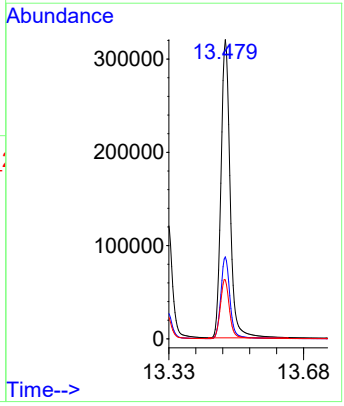


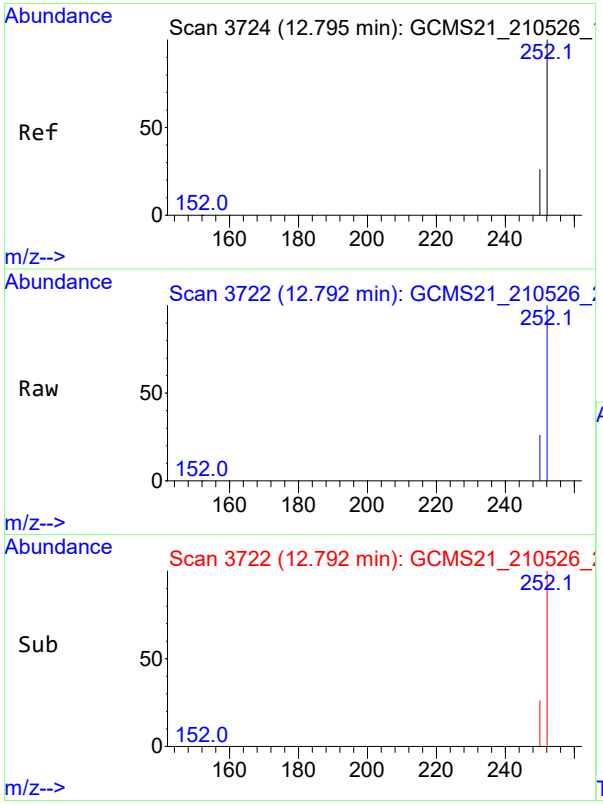


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.479 min Scan# 4051
Delta R.T. -0.006 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:264 Resp: 530238

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	20.0	0.0	49.5

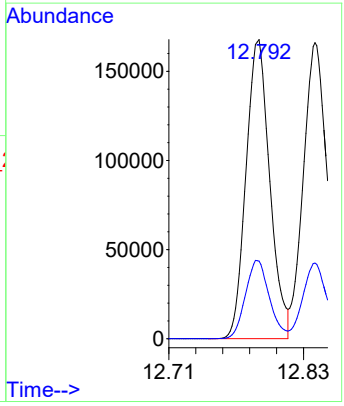


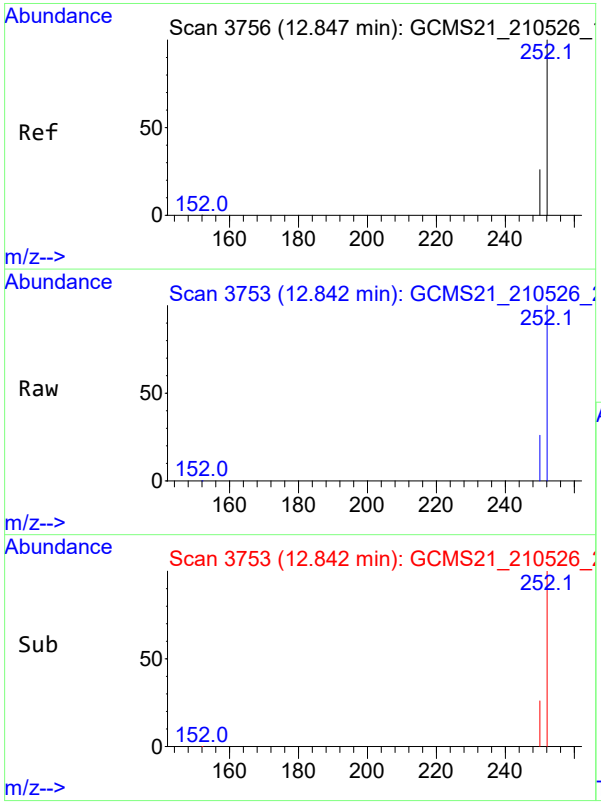


#22
Benzo(b)fluoranthene
Concen: 226.71 ng/mL
RT: 12.792 min Scan# 3722
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 249523

Ion	Ratio	Lower	Upper
252	100		
250	26.4	0.0	56.2

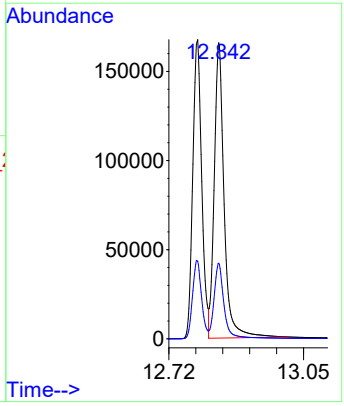


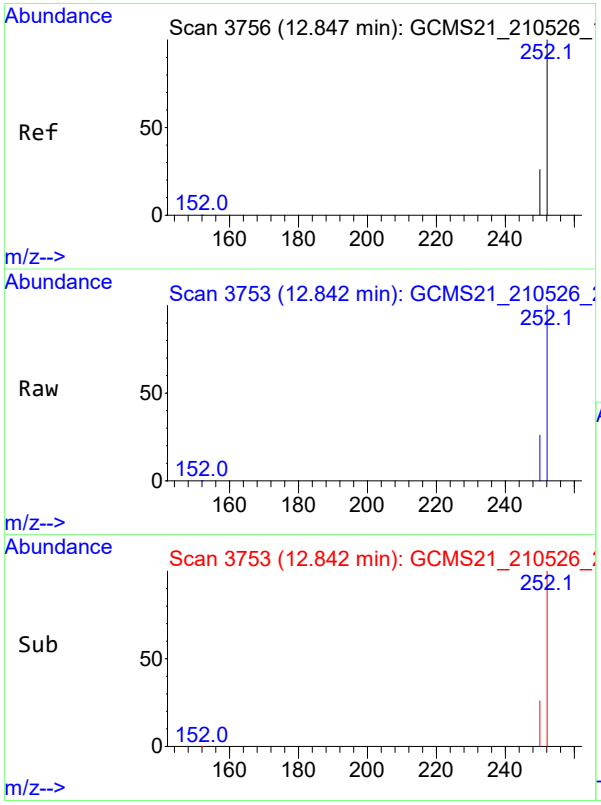


#23
Benzo(k)fluoranthene
Concen: 223.15 ng/mL
RT: 12.842 min Scan# 3753
Delta R.T. -0.005 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 272202

Ion	Ratio	Lower	Upper
252	100		
250	25.6	0.0	55.6

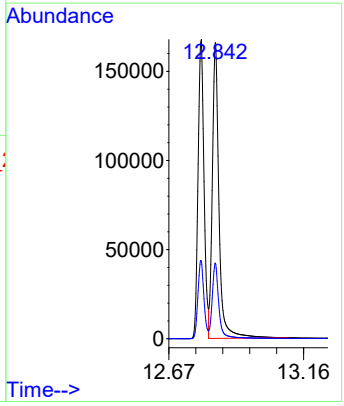


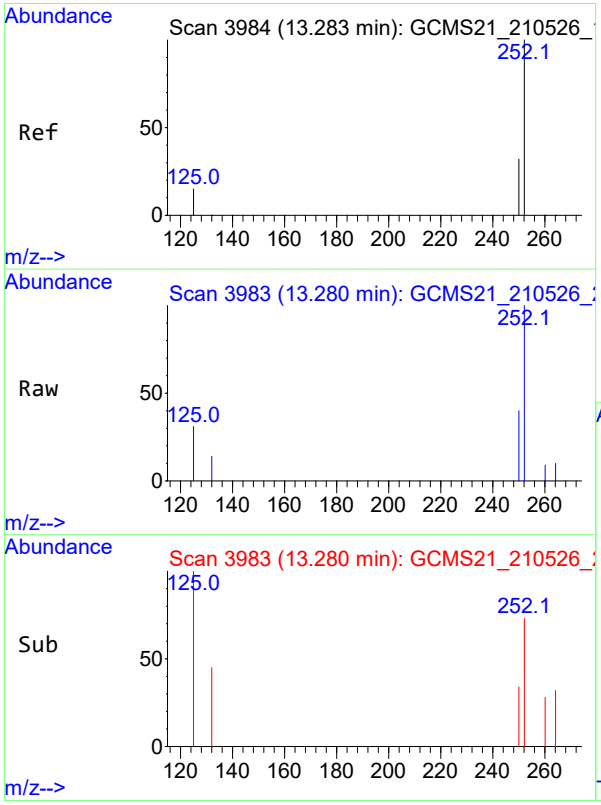


#24
benzo(b+k)fluoranthene (sum)
Concen: 232.83 ng/mL
RT: 12.842 min Scan# 3753
Delta R.T. -0.005 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 278444

Ion	Ratio	Lower	Upper
252	100		
250	25.1	0.0	55.6

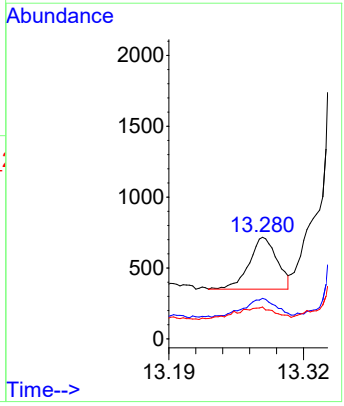


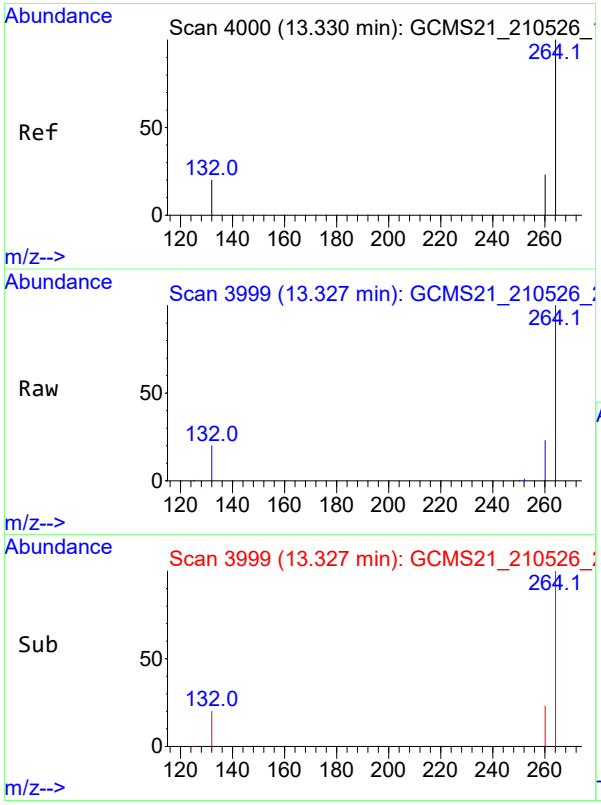


#25
Benzo(e)pyrene
Concen: 0.59 ng/mL
RT: 13.280 min Scan# 3983
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 654

Ion	Ratio	Lower	Upper
252	100		
250	41.7	2.2	62.2
125	33.8	0.0	45.4

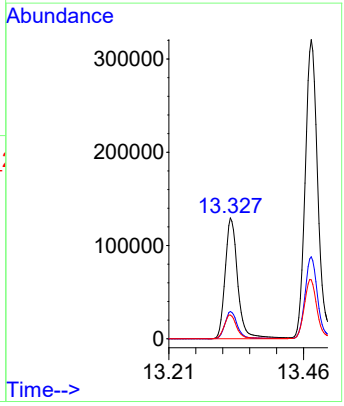


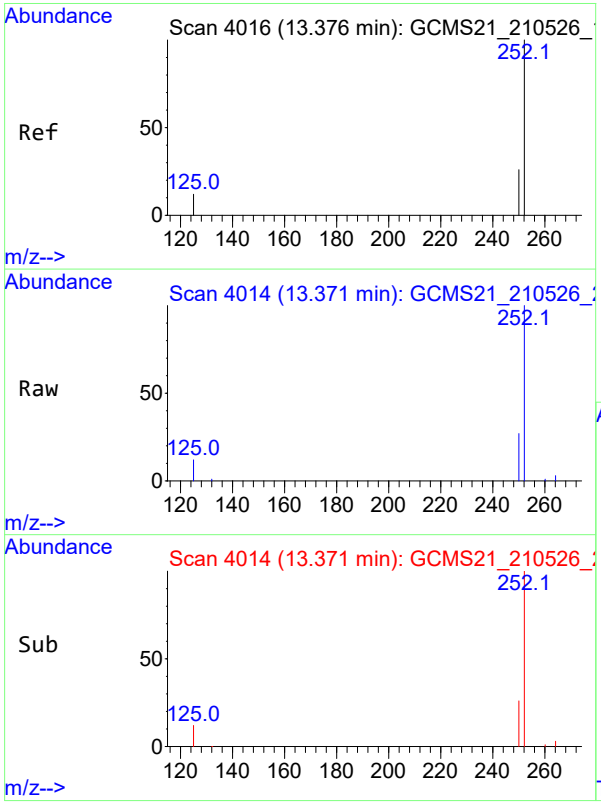


#26
Benzo(a)pyrene-D12
Concen: 247.07 ng/mL
RT: 13.327 min Scan# 3999
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:264 Resp: 212848

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	19.8	0.0	49.7

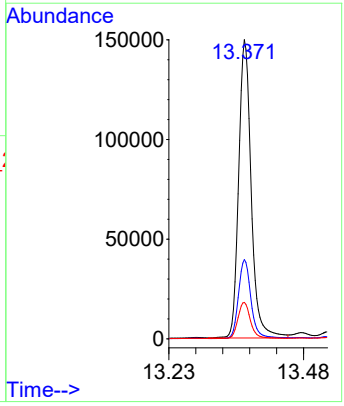


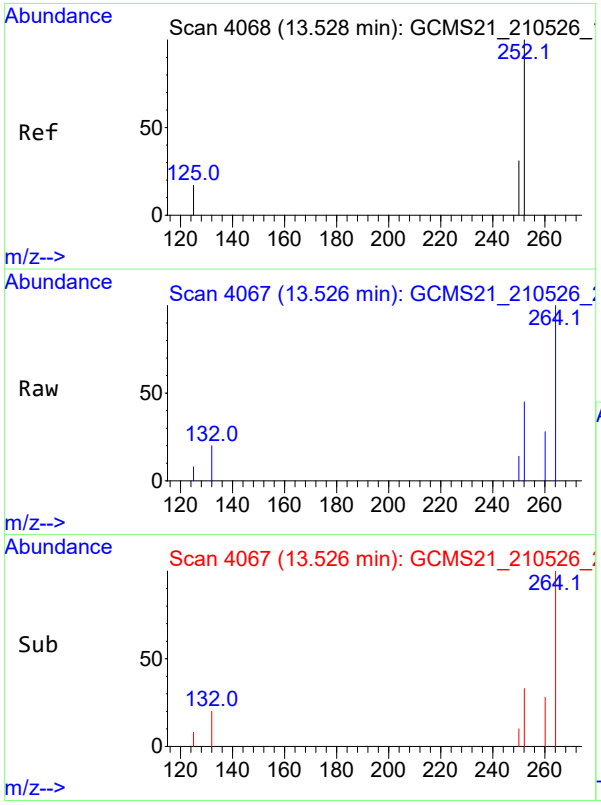


#27
Benzo(a)pyrene
Concen: 243.62 ng/mL
RT: 13.371 min Scan# 4014
Delta R.T. -0.005 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 244716

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	56.4
125	12.3	0.0	41.7

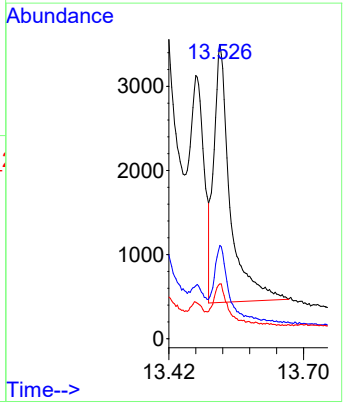


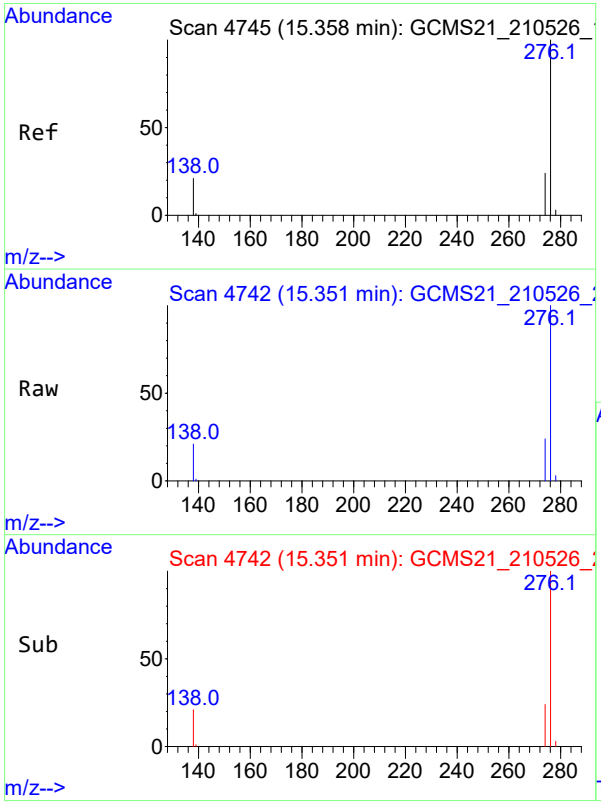


#28
Perylene
Concen: 6.40 ng/mL
RT: 13.526 min Scan# 4067
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:252 Resp: 7224

Ion	Ratio	Lower	Upper
252	100		
250	26.2	1.5	61.5
125	11.2	0.0	46.6

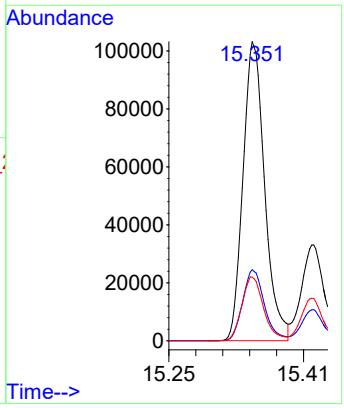


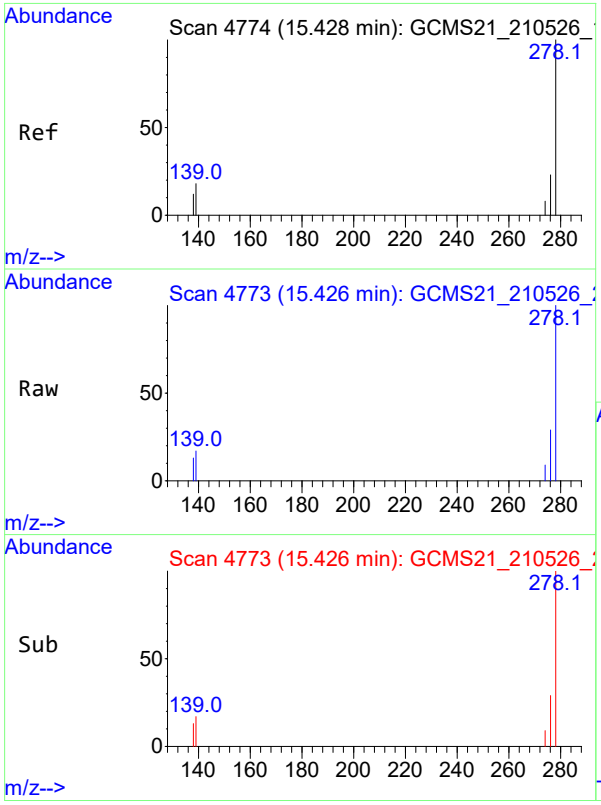


#29
Indeno(1,2,3-cd)pyrene
Concen: 218.83 ng/mL
RT: 15.351 min Scan# 4742
Delta R.T. -0.007 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:276 Resp: 188095

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.8
138	21.3	0.0	50.7

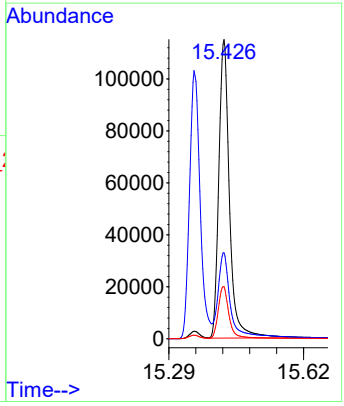


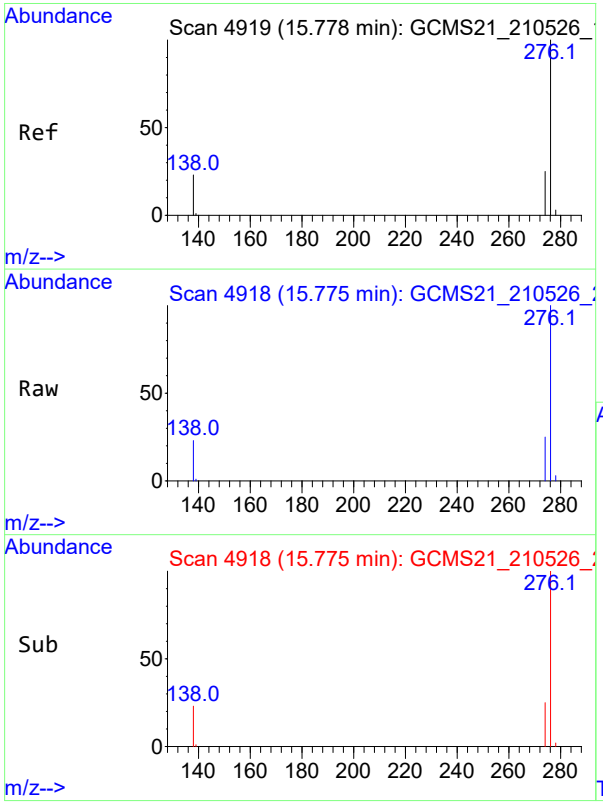


#30
Dibenz(a,h)anthracene
Concen: 247.62 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. -0.002 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:278 Resp: 212130

Ion	Ratio	Lower	Upper
278	100		
276	32.6	0.0	52.8
139	17.2	0.0	47.6

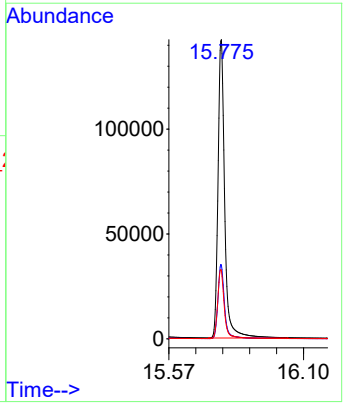




#31
Benzo(g,h,i)perylene
Concen: 233.24 ng/mL
RT: 15.775 min Scan# 4918
Delta R.T. -0.003 min
Lab File: GCMS21_210526_20.D
Acq: 26 May 2021 18:51

Tgt Ion:276 Resp: 260482

Ion	Ratio	Lower	Upper
276	100		
274	24.6	0.0	54.8
138	22.8	0.0	52.9



Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210526_ICAL reprocess\
Data File : GCMS21_210526_20.D
Acq On : 26 May 2021 18:51
Operator : MN GCMS21
Sample : PAH ICV 250ng/mL
Misc : LIMS 21C0501
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 11:58:32 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

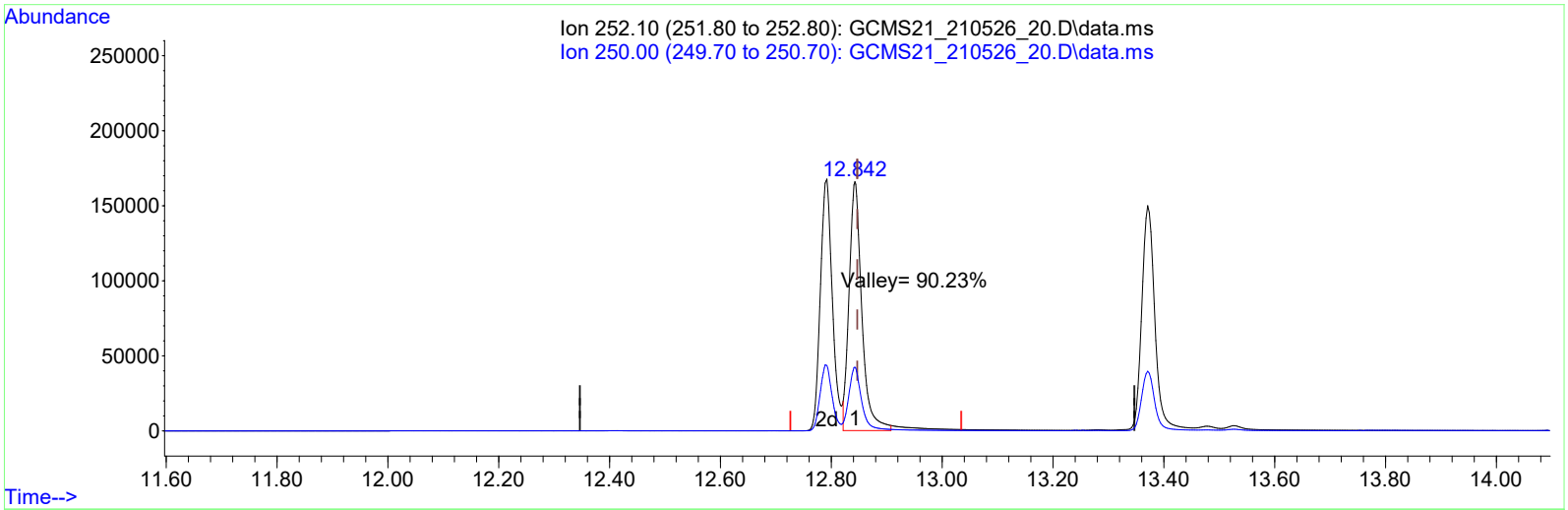
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	112	0.00
2	M	Naphthalene	250.000	223.606	10.6	101	0.00
3	S	2-Methylnaphthalene-D10	250.000	245.600	1.8	108	0.00
4	M	2-Methylnaphthalene	250.000	212.042	15.2	101	0.00
5	M	1-Methylnaphthalene	250.000	244.622	2.2	108	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	110	0.00
7	M	Acenaphthylene	250.000	223.414	10.6	104	0.00
8	M	Acenaphthene	250.000	219.466	12.2	101	0.00
9	S	Fluorene-D10	250.000	239.649	4.1	108	0.00
10	M	Fluorene	250.000	223.957	10.4	102	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	110	0.00
12	M	Phenanthrene	250.000	219.681	12.1	104	0.00
13	M	Anthracene	250.000	226.066	9.6	103	0.00
14	S	Fluoranthene-D10	250.000	248.635	0.5	109	0.00
15	M	Fluoranthene	250.000	223.772	10.5	103	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	111	0.00
17	S	Pyrene-D10	250.000	246.485	1.4	110	0.00
18	M	Pyrene	250.000	223.765	10.5	105	0.00
19	M	Benzo(a)anthracene	250.000	228.514	8.6	104	0.00
20	M	Chrysene	250.000	217.961	12.8	104	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	106	0.00
22	M	Benzo(b)fluoranthene	250.000	226.706	9.3	102	0.00
23	M	Benzo(k)fluoranthene	250.000	223.153	10.7	102	0.00
24	NR	benzo(b+k)fluoranthene (sum	500.000	422.805	15.4	99	-0.06
25	M	Benzo(e)pyrene	250.000	0.589	99.8#	0	0.00
26	S	Benzo(a)pyrene-D12	250.000	247.073	1.2	103	0.00
27	M	Benzo(a)pyrene	250.000	243.622	2.6	105	0.00
28	M	Perylene	250.000	6.404	97.4#	3	0.00
29	M	Indeno(1,2,3-cd)pyrene	250.000	218.827	12.5	97	0.00
30	M	Dibenz(a,h)anthracene	250.000	247.620	1.0	105	0.00
31	M	Benzo(g,h,i)perylene	250.000	233.237	6.7	104	0.00

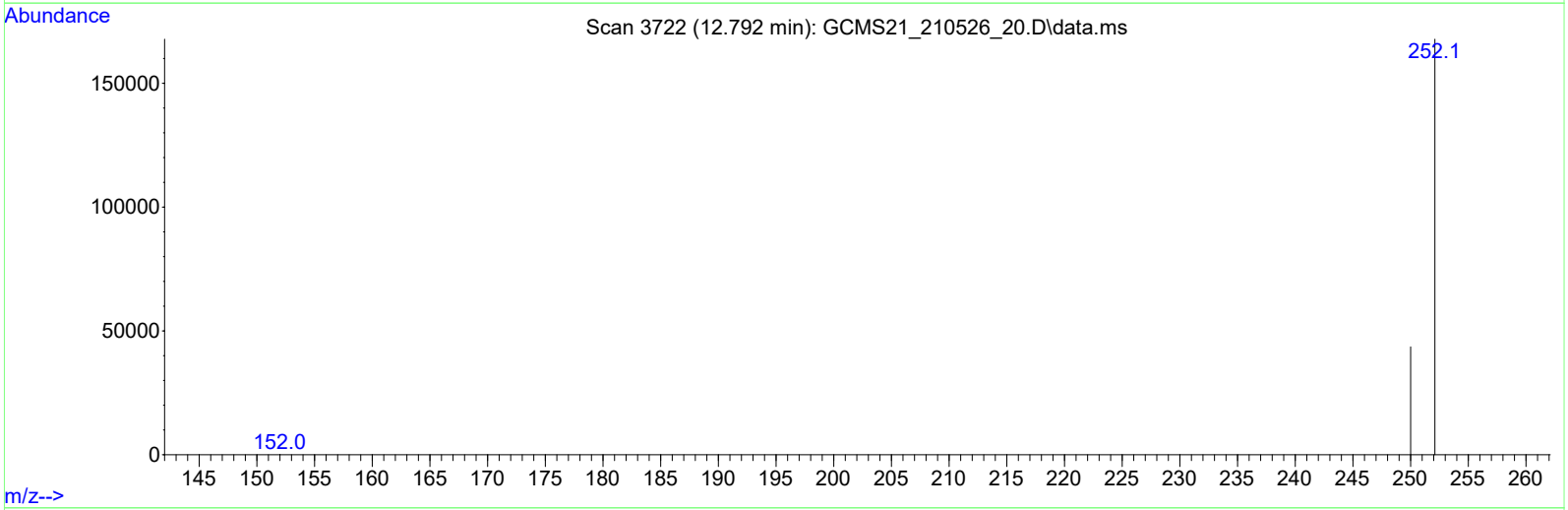
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\PAH in Air GCMS21\GCMS21_BURNSHARBORS210526 ICAL\Data Method\data\210526_ICAL\
Data File : GCMS21_210526_20.D
Acq On : 26 May 2021 06:51 pm
Operator : MN GCMS21
Sample : PAH ICV 250ng/mL
Misc : LIMS 21C0501
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 02 12:46:49 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 12:41:04 2021
Response via : Initial Calibration





TIC: GCMS21_210526_20.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.792min (-0.055) 444.55 ng/mL m

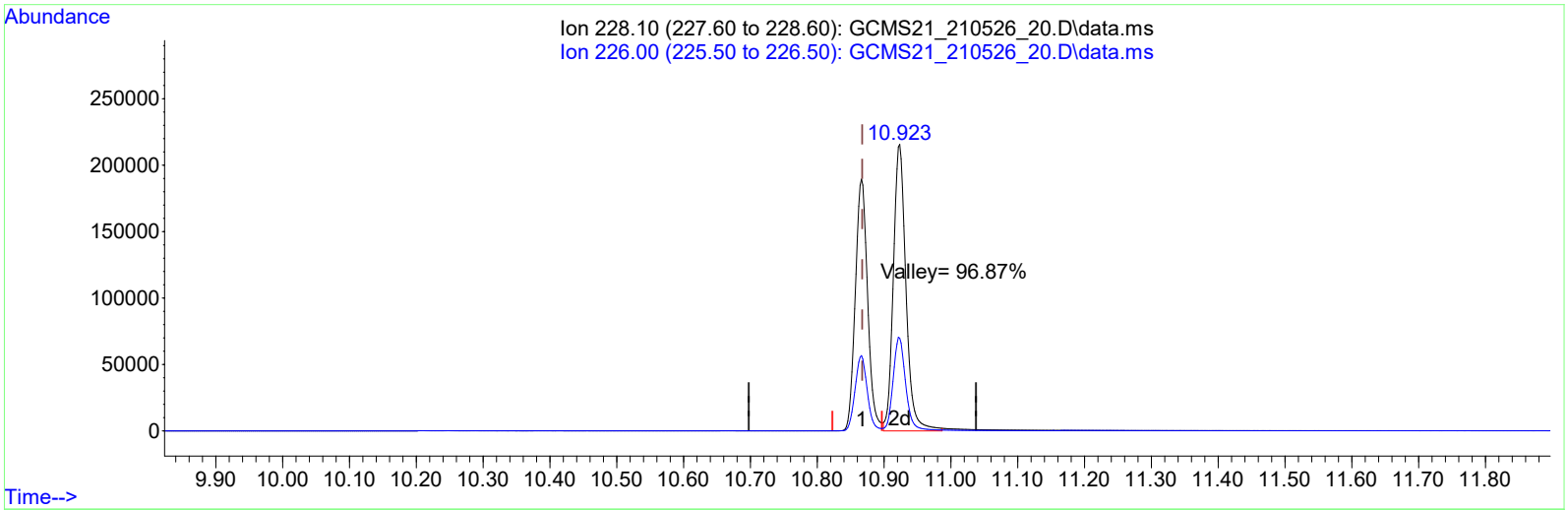
response 531649

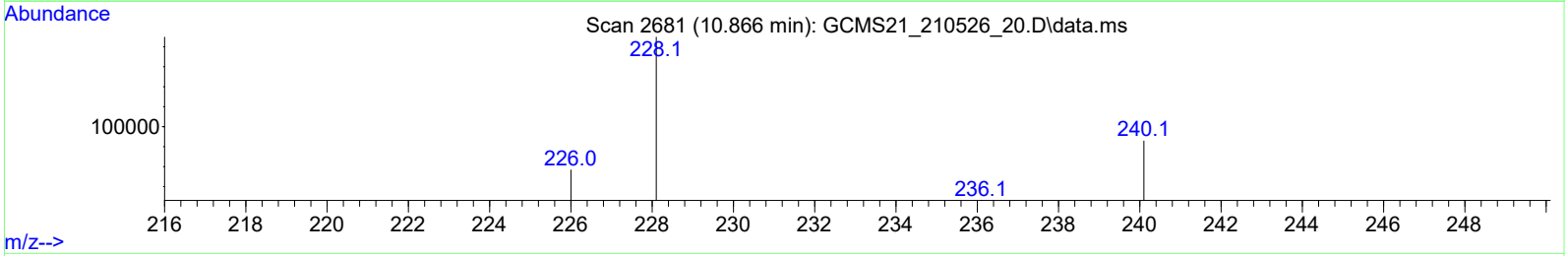
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	26.30	26.10
0.00	0.00	0.00
0.00	0.00	0.00

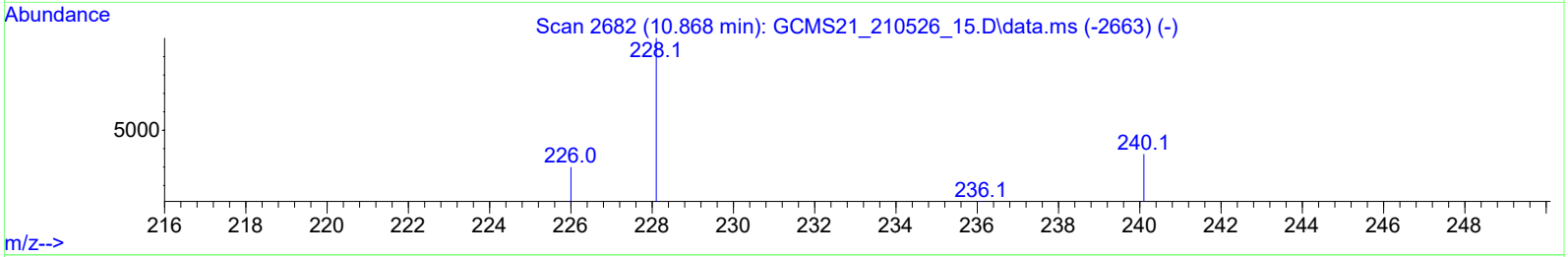
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210526
Data File : GCMS21_210526_20.D
Acq On : 26 May 2021 06:51 pm
Operator : MN GCMS21
Sample : PAH ICV 250ng/mL
Misc : LIMS 21C0501
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 11:02:21 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210526_20.D\data.ms

(19) Benzo(a)anthracene (M)

10.866min (-0.002) 228.51 ng/mL

response 242240

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	29.64
0.00	0.00	0.00
0.00	0.00	0.00

```
  Starting sequence Thu May 27 10:17:41 2021

Instrument Name: GCMS
  Sequence File: D:\MassHunter\GCMS\1\sequence\210527_B21E006.sequence.xml
        Comment: BURNS HARBOR
       Operator: MN GCMS21
      Data Path: D:\MassHunter\GCMS\1\data\210527__B21E006\

  Line  Type          Vials    DataFile                       Sample Name
  ---------------------------------------------------------------------
  Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
  Acquisition Method File: PAHSCANPulsedSpliless_MS21_210202_9mmlens.M
    1) Blank            1      GCMS21_210527_01       DCM
       Comment: 20b2801
    2) TuneCheck        2      GCMS21_210527_02       ICP 50
       Comment: LIMS  21E1232

  Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
  Acquisition Method File: PAHSIMPulsedSpliless_MS21_21526.M
    3) CC               3      GCMS21_210527_03       CCV1_250
       Comment: LIMS 21E1012
    4) Blank            4      GCMS21_210527_04       CAL0
       Comment: LIMS 21D3002
    5) Sample           5      GCMS21_210527_05       B21E006-BLK1
    6) Sample           6      GCMS21_210527_06       B21E006-MRL1
  Sequence Table edit performed Thu May 27 14:34:02 2021
    7) Sample           7      GCMS21_210527_07       B21E006-BS1
    8) Sample           8      GCMS21_210527_08       B21E006-BSD1
    9) Sample           9      GCMS21_210527_09       2105001-06
   10) Sample          10      GCMS21_210527_10       2105001-07
   11) Sample          11      GCMS21_210527_11       2105001-08
   12) Sample          12      GCMS21_210527_12       2105001-09
   13) Sample          13      GCMS21_210527_13       2105001-10
   14) Sample          14      GCMS21_210527_14       2105001-11
  Sequence Table edit performed Thu May 27 17:51:32 2021
   15) Sample          15      GCMS21_210527_15       2105001-12
   16) Sample          16      GCMS21_210527_16       2105001-13
   17) Sample          17      GCMS21_210527_17       2105001-14
   18) Sample          18      GCMS21_210527_18       2105001-04
   19) Sample          18      GCMS21_210527_19       2105001-04_REINJECT
   20) CC               3      GCMS21_210527_20       CCV1_250
       Comment: LIMS 21E1012

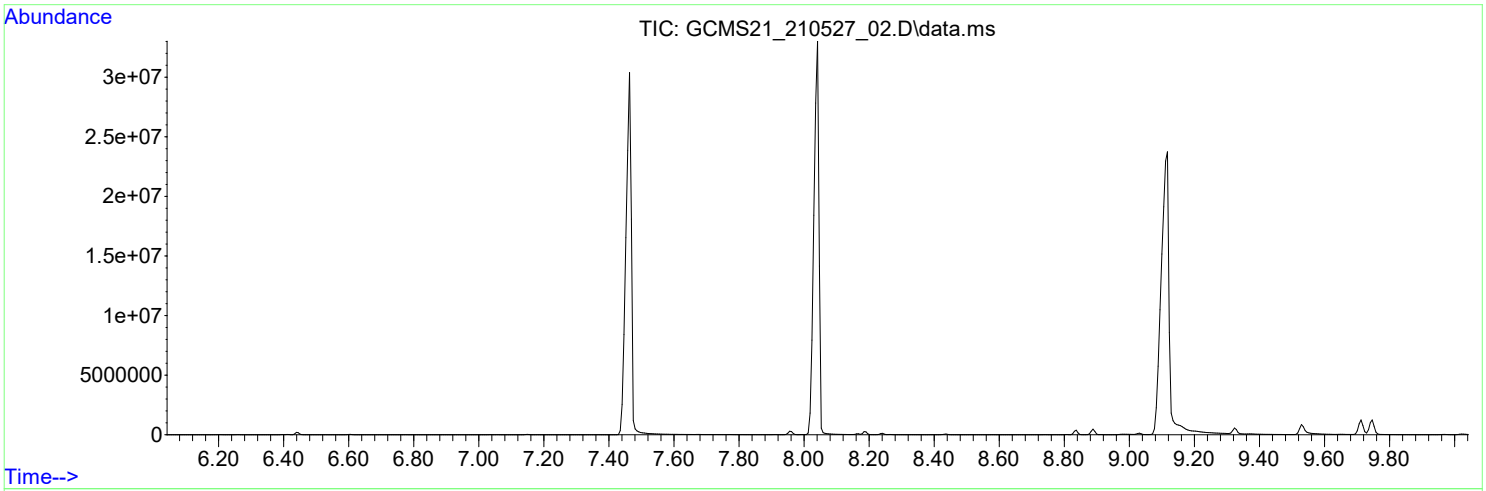
  Sequence completed Thu May 27 20:20:22 2021

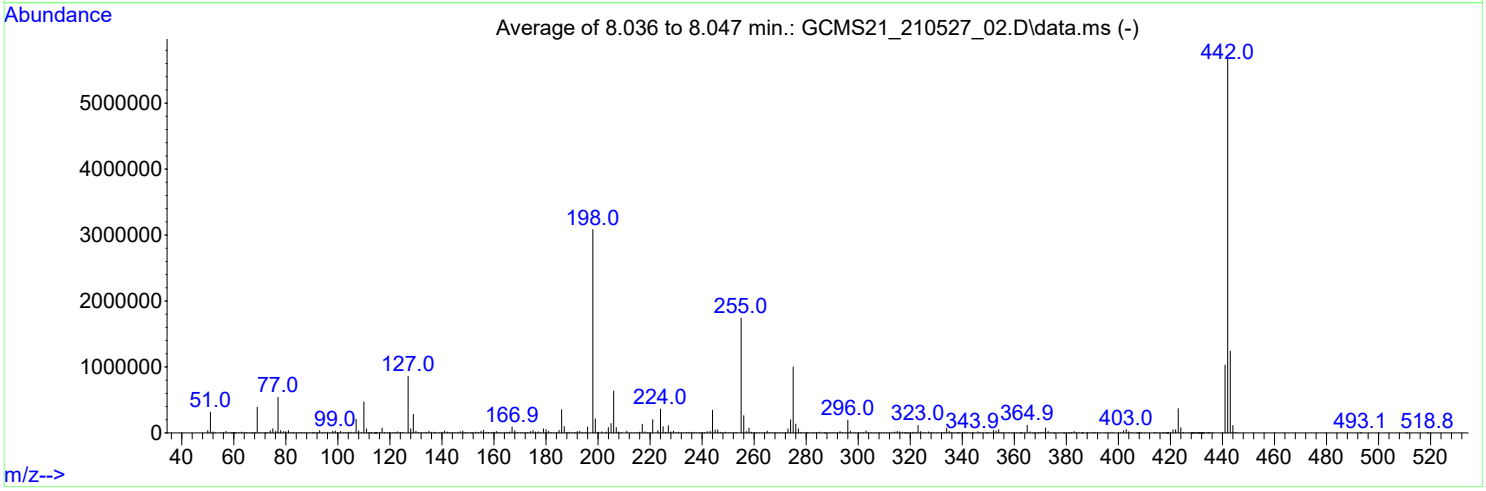
    D:\MassHunter\GCMS\1\data\210527__B21E006\2021 May 27 1017 Sequence Log .LOG
```

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_02.D
Acq On : 27 May 2021 10:44
Operator : MN GCMS21
Sample : ICP 50
Misc : LIMS 21E1232
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Title : BURNSHABOR
Last Update : Mon Jun 28 11:02:00 2021





AutoFind: Scans 690, 691, 692; Background Corrected with Scan 683

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	7595	PASS
69	69	0.01	200	100.0	390222	PASS
70	69	0.00	2	0.5	1999	PASS
197	198	0.00	2	0.0	0	PASS
198	198	0.01	200	100.0	3082069	PASS
199	198	5	9	6.9	213825	PASS
365	442	1	200	2.0	115848	PASS
441	443	0.01	150	82.9	1028800	PASS
442	442	0.01	200	100.0	5683029	PASS
443	442	15	24	21.8	1240405	PASS

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_04.D
Acq On : 27 May 2021 11:34
Operator : MN GCMS21
Sample : CAL0
Misc : LIMS 21D3002
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 28 11:28:11 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

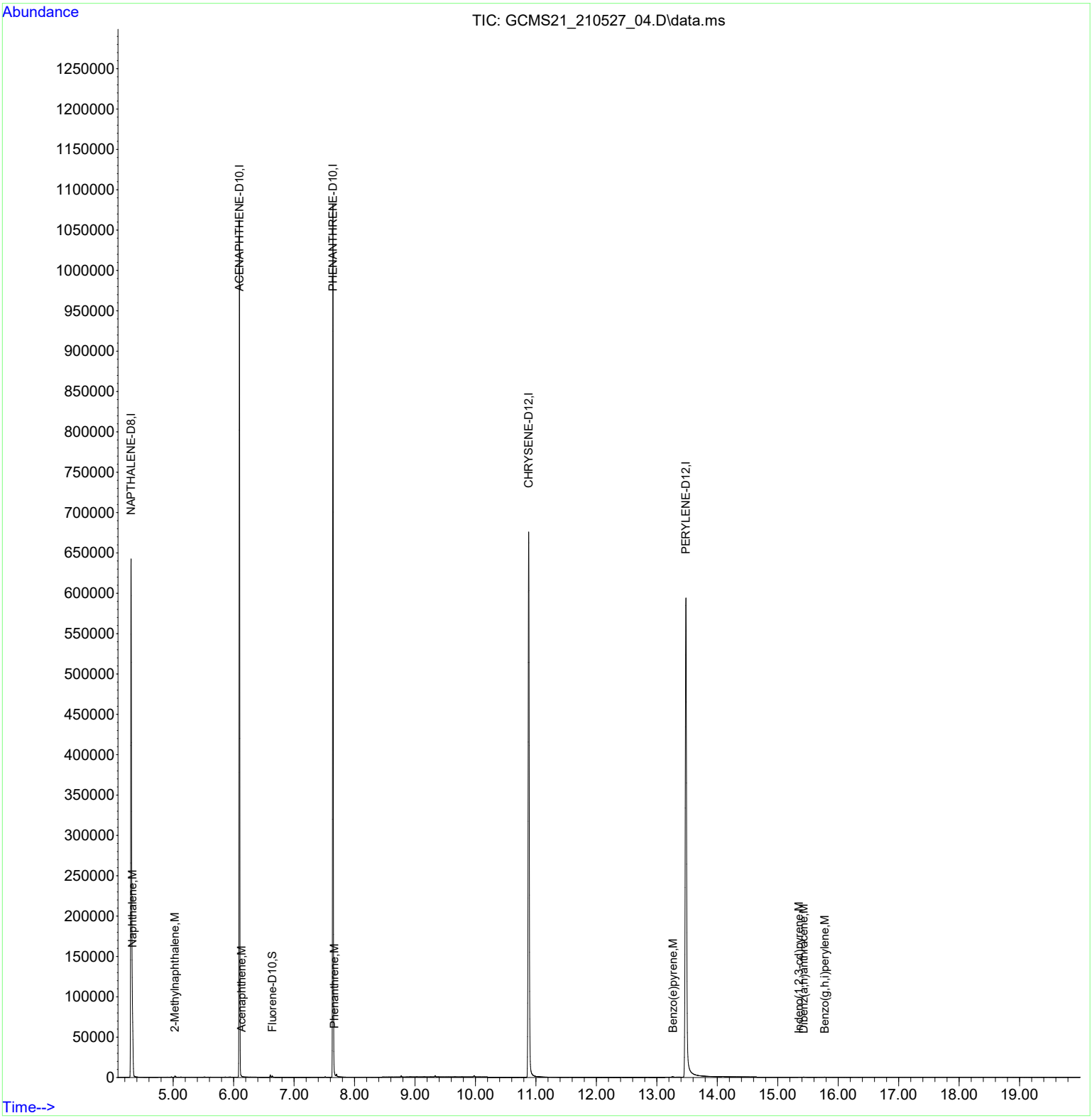
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	685979	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	379909	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	742486	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.880	240	677023	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	654365	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0	0.00	ng/mL	
9) Fluorene-D10	6.639	176	742	0.82	ng/mL	0.00
14) Fluoranthene-D10	0.000	212	0	0.00	ng/mL	
17) Pyrene-D10	0.000	212	0	0.00	ng/mL	
26) Benzo(a)pyrene-D12	0.000	264	0d	0.00	ng/mL	
Target Compounds						Qvalue
2) Naphthalene	4.324	128	1680	1.28	ng/mL	98
4) 2-Methylnaphthalene	5.030	142	710	0.73	ng/mL	99
5) 1-Methylnaphthalene	0.000		0	N.D.		
7) Acenaphthylene	5.945	152	116	N.D.		
8) Acenaphthene	6.129	153	126	0.13	ng/mL#	86
10) Fluorene	0.000		0	N.D.		
12) Phenanthrene	7.667	178	414	0.23	ng/mL#	61
13) Anthracene	0.000		0	N.D. d		
15) Fluoranthene	8.916	202	121	N.D.		
18) Pyrene	0.000		0	N.D.		
19) Benzo(a)anthracene	0.000		0	N.D. d		
20) Chrysene	10.927	228	139	N.D.		
22) Benzo(b)fluoranthene	12.793	252	120	N.D.		
23) Benzo(k)fluoranthene	12.847	252	131	N.D.		
24) benzo(b+k)fluoranthene...	12.847	252	131	N.D.		
25) Benzo(e)pyrene	13.265	252	237	0.17	ng/mL#	6
27) Benzo(a)pyrene	0.000		0	N.D. d		
28) Perylene	0.000		0	N.D. d		
29) Indeno(1,2,3-cd)pyrene	15.353	276	203	0.19	ng/mL#	53
30) Dibenz(a,h)anthracene	15.428	278	254	0.24	ng/mL#	56
31) Benzo(g,h,i)perylene	15.775	276	226	0.16	ng/mL#	52

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_04.D
Acq On : 27 May 2021 11:34
Operator : MN GCMS21
Sample : CAL0
Misc : LIMS 21D3002
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 28 11:28:11 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_03.D
Acq On : 27 May 2021 11:09
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 12:17:39 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

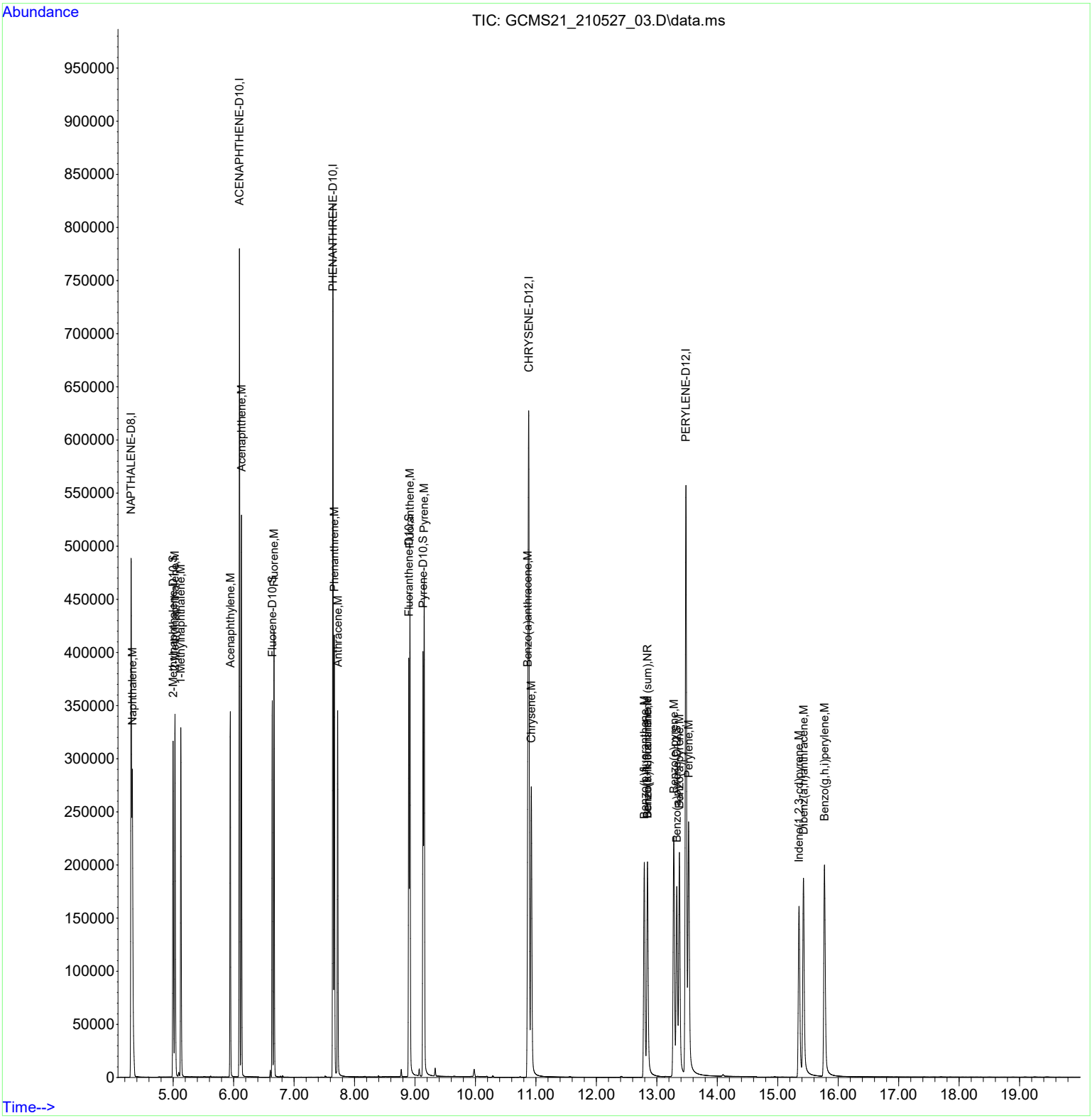
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	515523	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	292187	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	569815	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	577974	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	612305	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	132166	203.70	ng/mL	0.00
9) Fluorene-D10	6.639	176	137382	196.39	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	250183	202.77	ng/mL	0.00
17) Pyrene-D10	9.132	212	263533	199.84	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.330	264	200019	201.06	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.324	128	198858	201.04	ng/mL	100
4) 2-Methylnaphthalene	5.030	142	136823	187.82	ng/mL	99
5) 1-Methylnaphthalene	5.126	142	124153	204.61	ng/mL	99
7) Acenaphthylene	5.945	152	182805	188.50	ng/mL	99
8) Acenaphthene	6.129	153	141993	191.28	ng/mL	99
10) Fluorene	6.668	166	158064	192.37	ng/mL	100
12) Phenanthrene	7.667	178	254378	184.97	ng/mL	100
13) Anthracene	7.721	178	217467	190.17	ng/mL	100
15) Fluoranthene	8.916	202	275621	189.90	ng/mL	98
18) Pyrene	9.153	202	290120	188.34	ng/mL	99
19) Benzo(a)anthracene	10.866	228	237409	204.22	ng/mL	99
20) Chrysene	10.923	228	274027	190.92	ng/mL	99
22) Benzo(b)fluoranthene	12.793	252	241627	190.11	ng/mL	100
23) Benzo(k)fluoranthene	12.845	252	266613	189.28	ng/mL	98
24) benzo(b+k)fluoranthene...	12.845	252	512797m	371.31	ng/mL	
25) Benzo(e)pyrene	13.280	252	253296	197.59	ng/mL	100
27) Benzo(a)pyrene	13.373	252	224835	193.83	ng/mL	99
28) Perylene	13.525	252	262547	201.54	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.351	276	193959	195.41	ng/mL	99
30) Dibenz(a,h)anthracene	15.425	278	199198	201.36	ng/mL	88
31) Benzo(g,h,i)perylene	15.773	276	248869	192.97	ng/mL	99

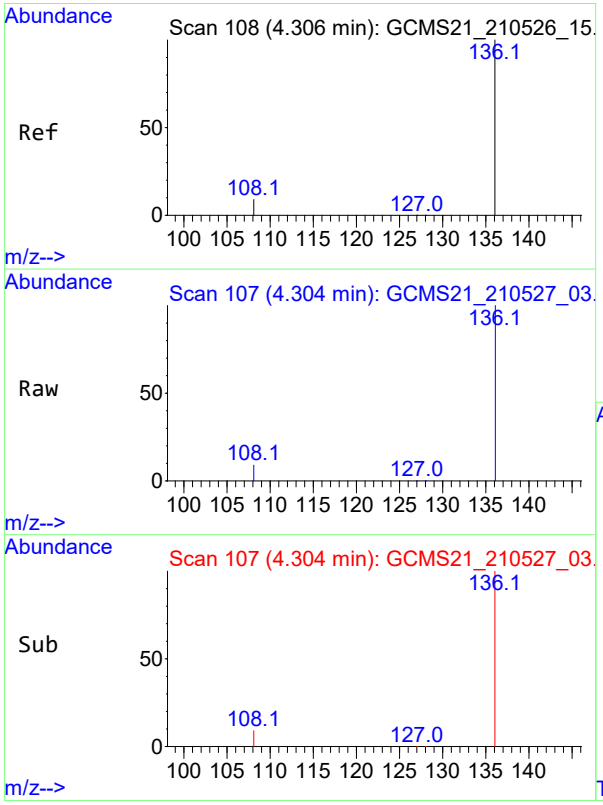
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_03.D
Acq On : 27 May 2021 11:09
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 12:17:39 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

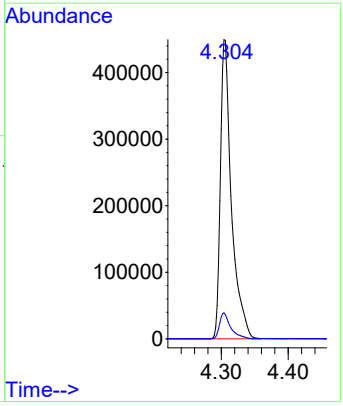


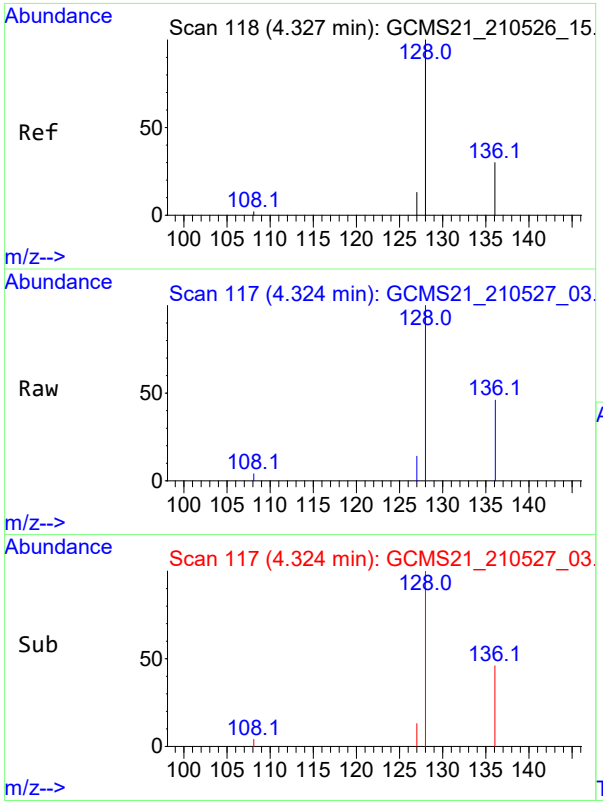


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:136 Resp: 515523

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	28.3

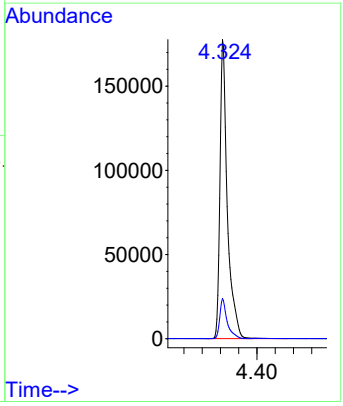


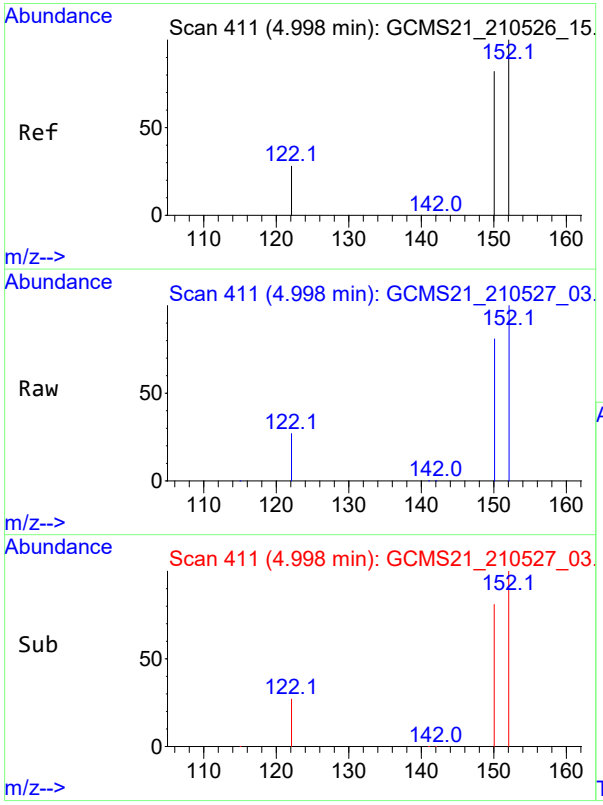


#2
Naphthalene
Concen: 201.04 ng/mL
RT: 4.324 min Scan# 117
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:128 Resp: 198858

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.3

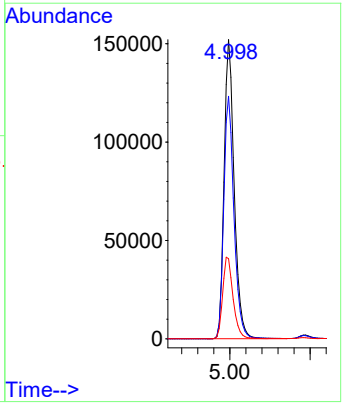


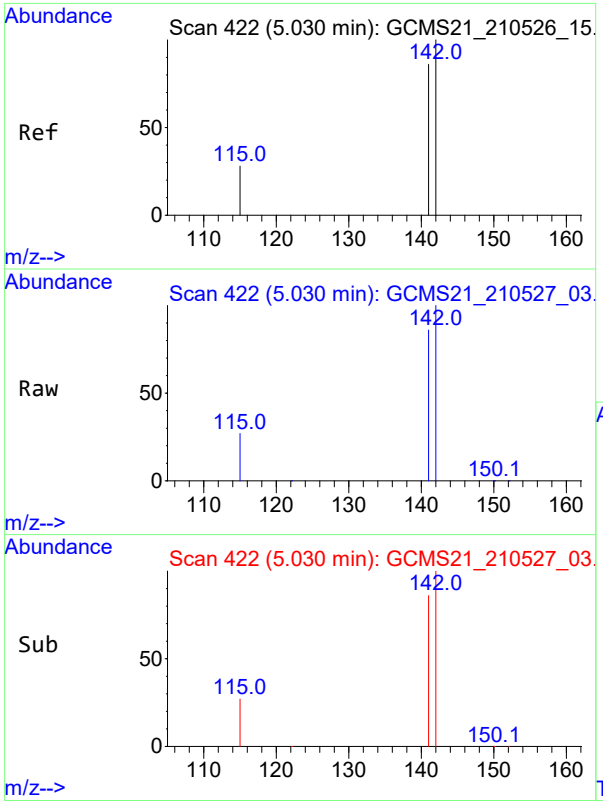


#3
2-Methylnaphthalene-D10
Concen: 203.70 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:152 Resp: 132166

Ion	Ratio	Lower	Upper
152	100		
150	82.0	52.3	112.3
122	28.2	0.0	57.5

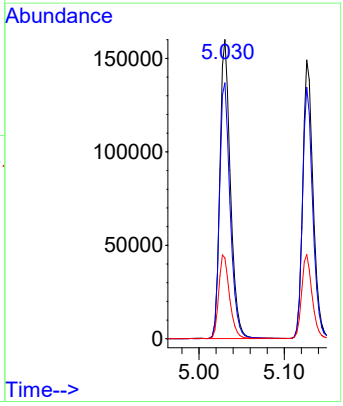


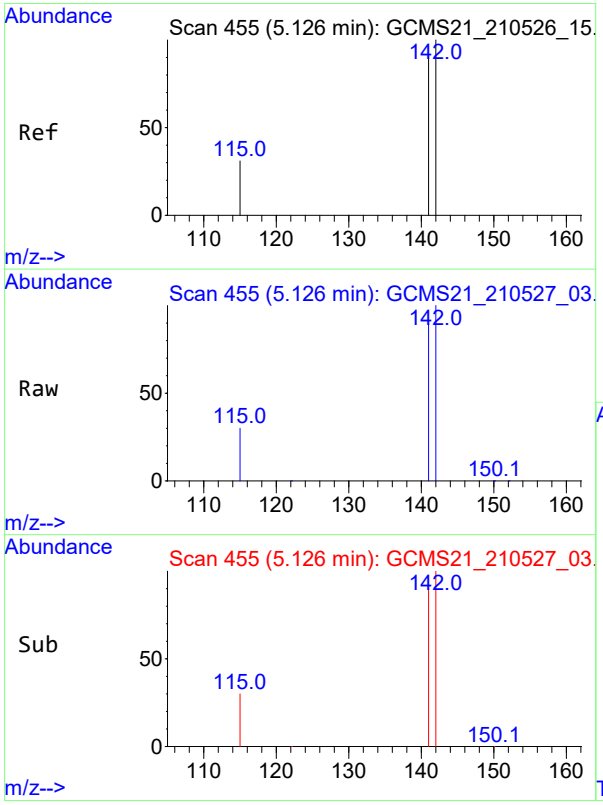


#4
2-Methylnaphthalene
Concen: 187.82 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:142 Resp: 136823

Ion	Ratio	Lower	Upper
142	100		
141	86.3	56.3	116.3
115	28.5	0.0	57.4

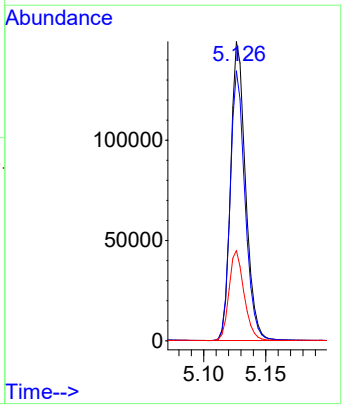


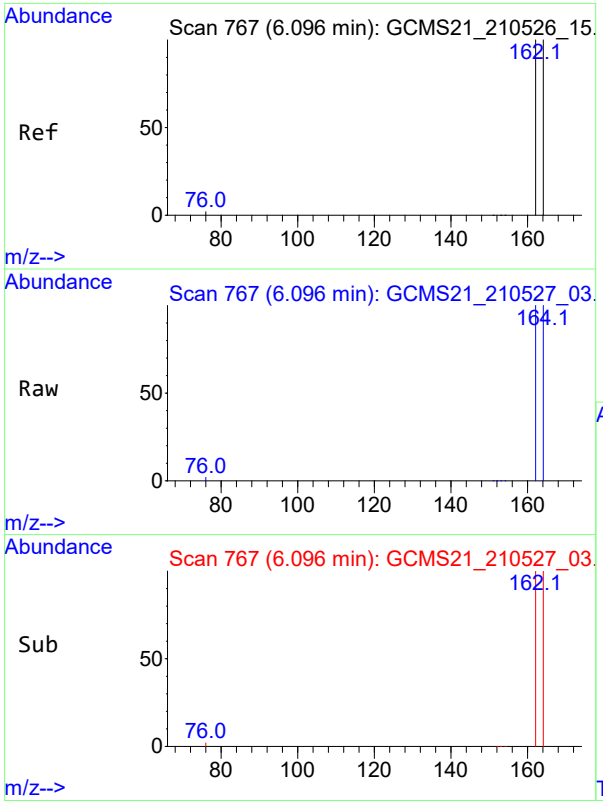


#5
1-Methylnaphthalene
Concen: 204.61 ng/mL
RT: 5.126 min Scan# 455
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:142 Resp: 124153

Ion	Ratio	Lower	Upper
142	100		
141	89.8	61.5	121.5
115	30.5	0.2	60.2

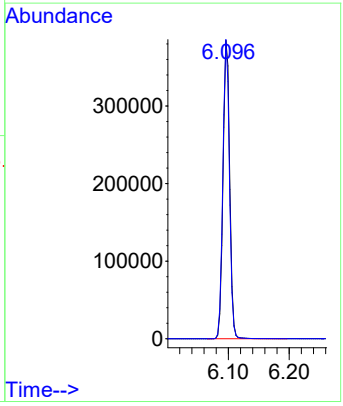


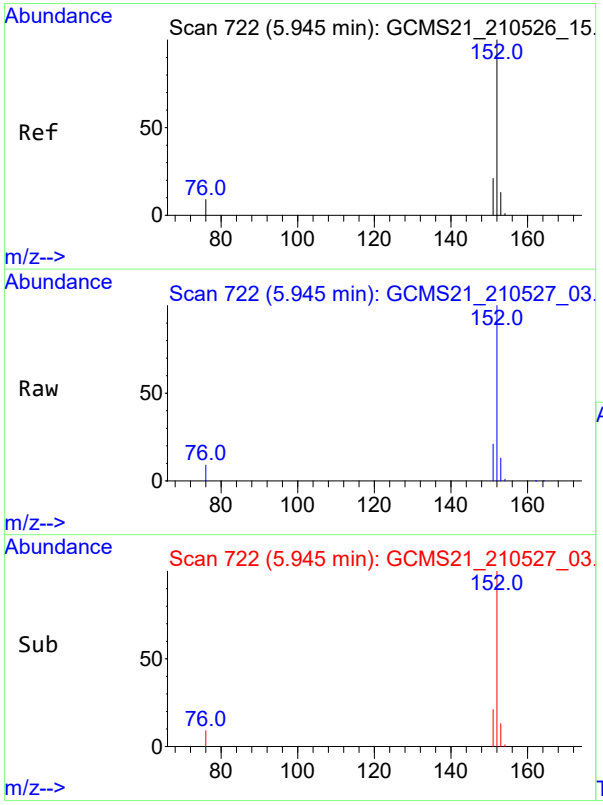


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:164 Resp: 292187

Ion	Ratio	Lower	Upper
164	100		
162	99.3	77.7	117.7

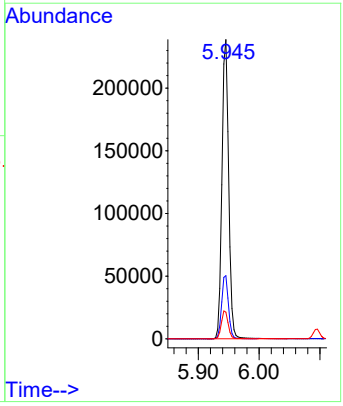


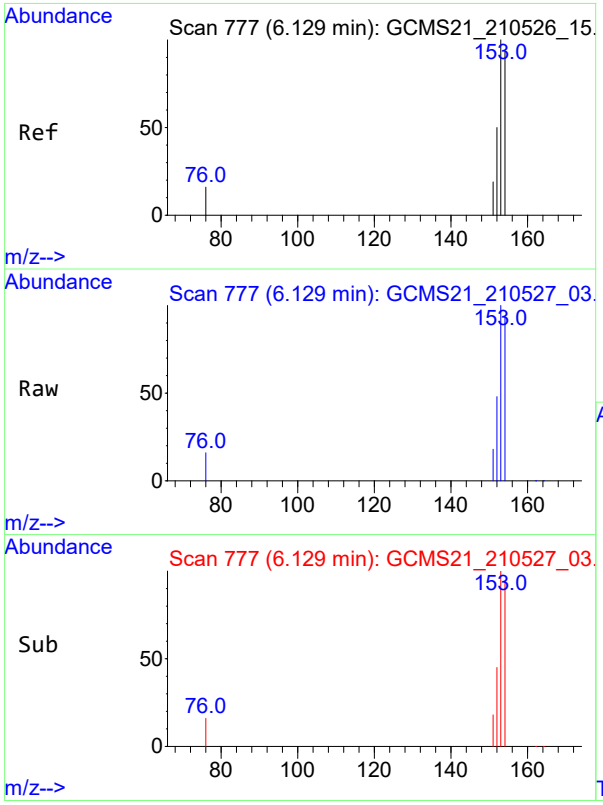


#7
Acenaphthylene
Concen: 188.50 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:152 Resp: 182805

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	52.0
76	9.5	0.0	39.5

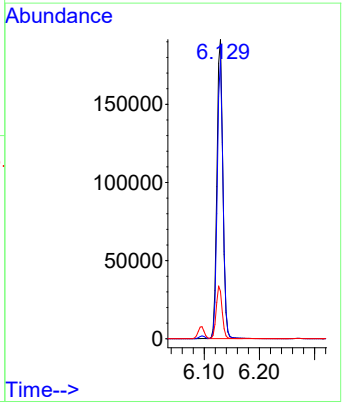


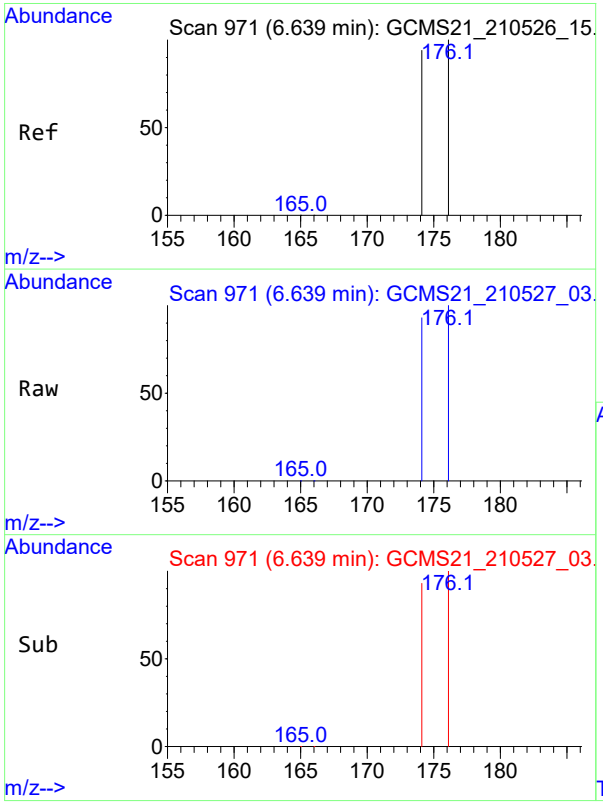


#8
Acenaphthene
Concen: 191.28 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:153 Resp: 141993

Ion	Ratio	Lower	Upper
153	100		
154	91.6	60.4	120.4
76	17.6	0.0	47.4

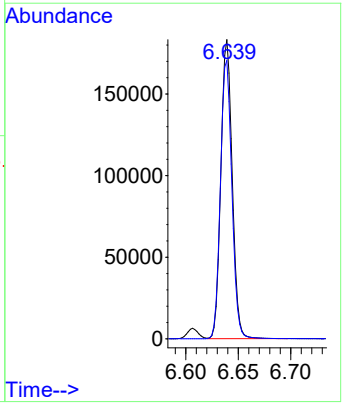


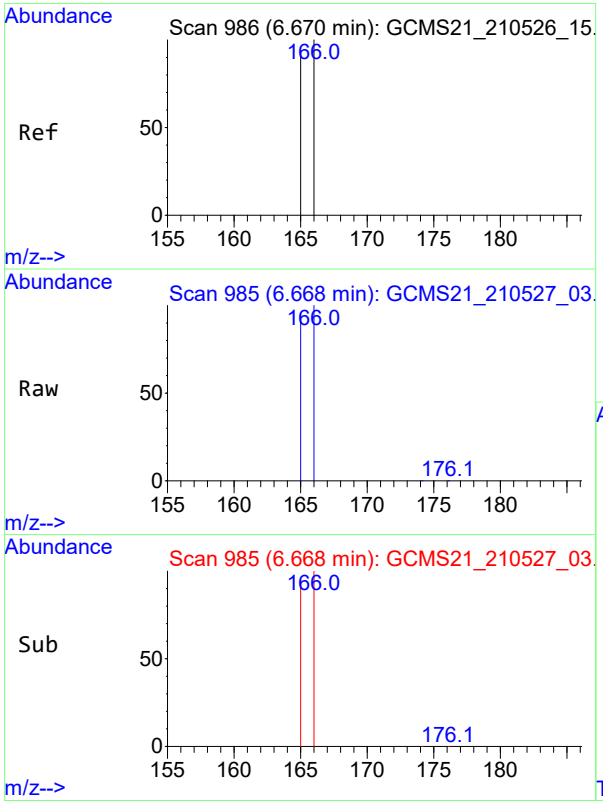


#9
Fluorene-D10
Concen: 196.39 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:176 Resp: 137382

Ion	Ratio	Lower	Upper
176	100		
174	94.2	63.9	123.9

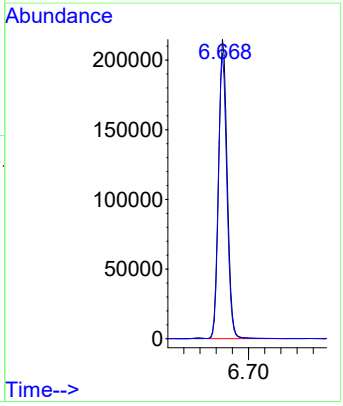


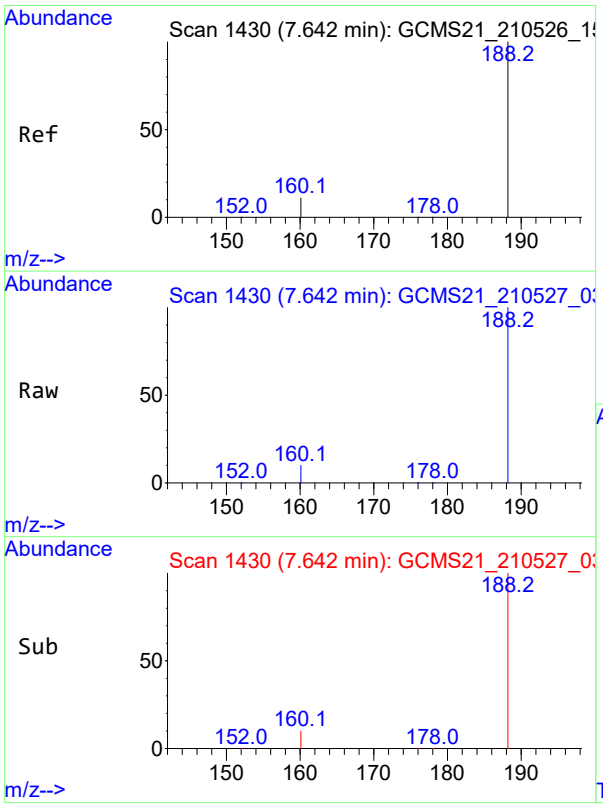


#10
Fluorene
Concen: 192.37 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:166 Resp: 158064

Ion	Ratio	Lower	Upper
166	100		
165	95.3	65.1	125.1

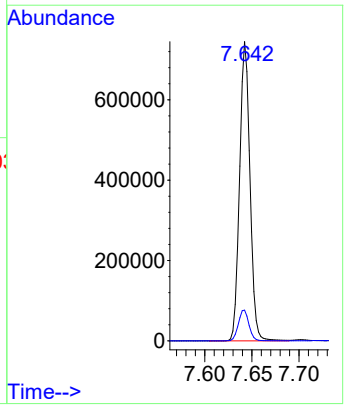


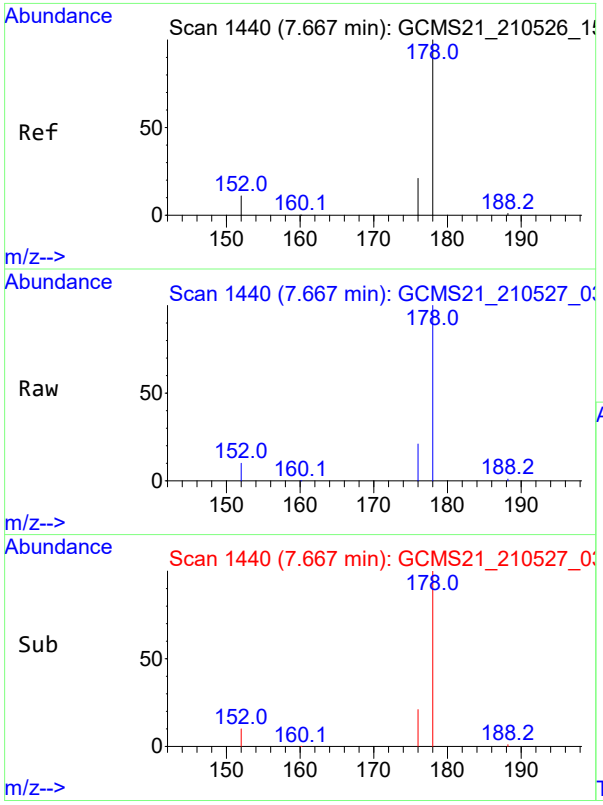


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:188 Resp: 569815

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	39.8

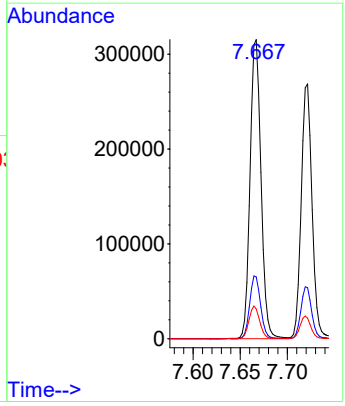


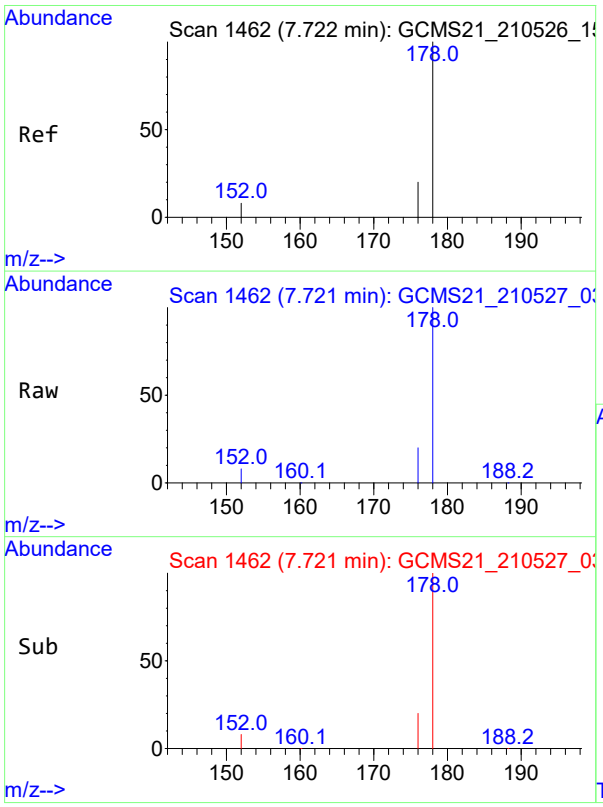


#12
Phenanthrene
Concen: 184.97 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:178 Resp: 254378

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	10.7	0.0	40.5

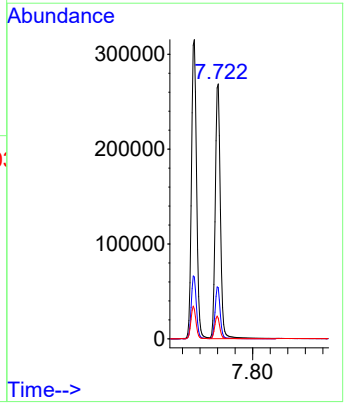


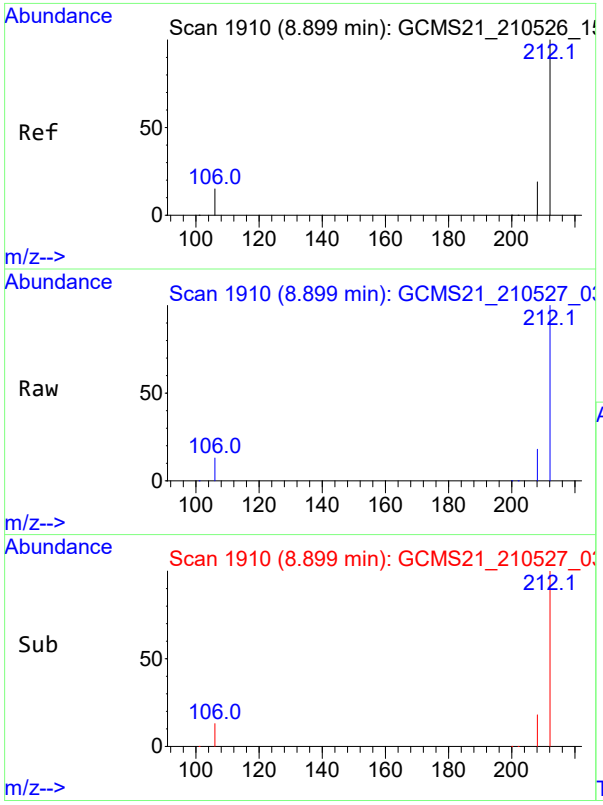


#13
Anthracene
Concen: 190.17 ng/mL
RT: 7.721 min Scan# 1462
Delta R.T. -0.001 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:178 Resp: 217467

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.2
152	8.7	0.0	38.2

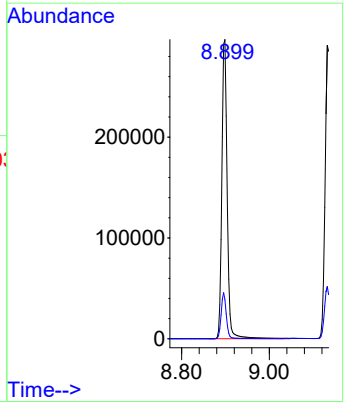


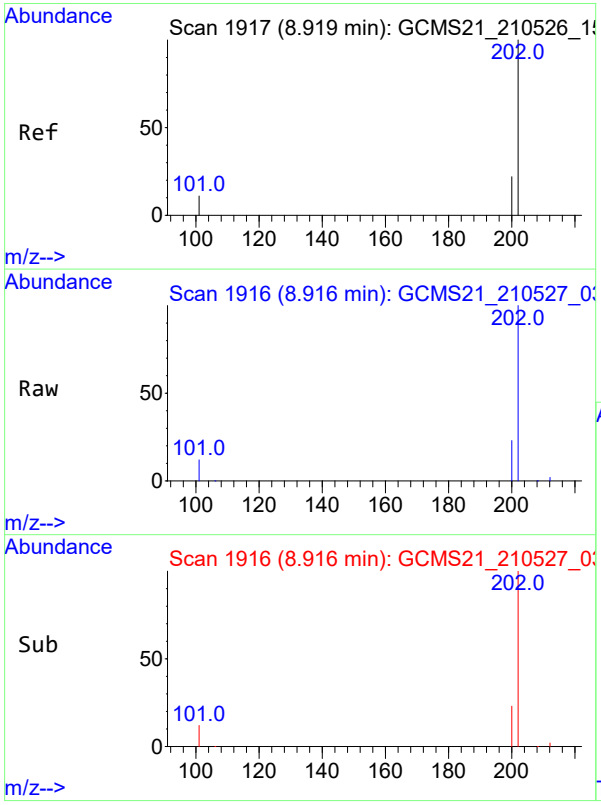


#14
Fluoranthene-D10
Concen: 202.77 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:212 Resp: 250183

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

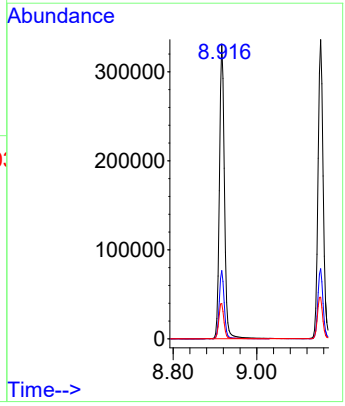


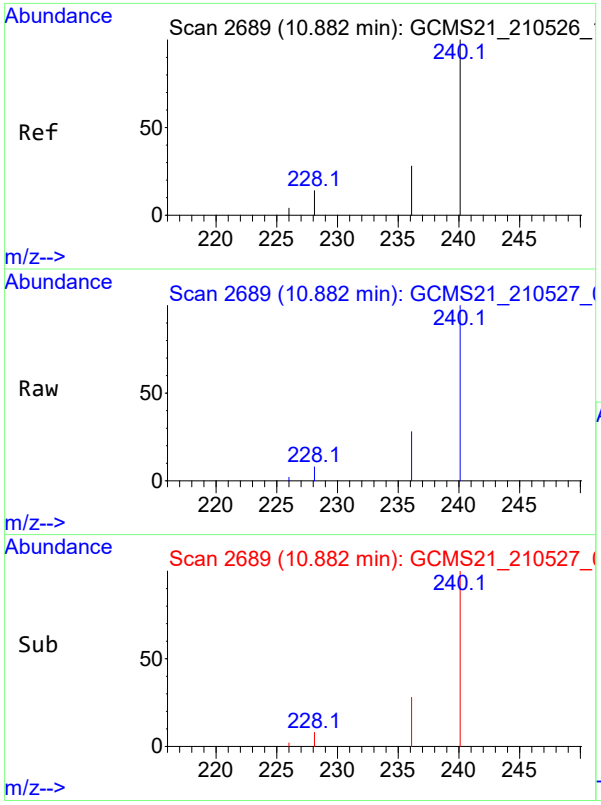


#15
Fluoranthene
Concen: 189.90 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:202 Resp: 275621

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	52.4
101	12.4	0.0	41.1

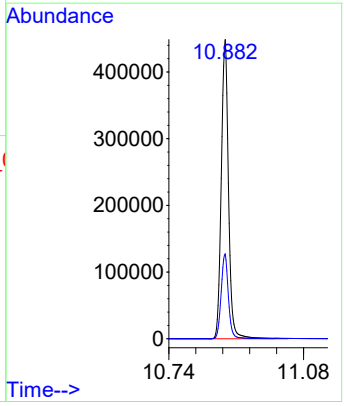


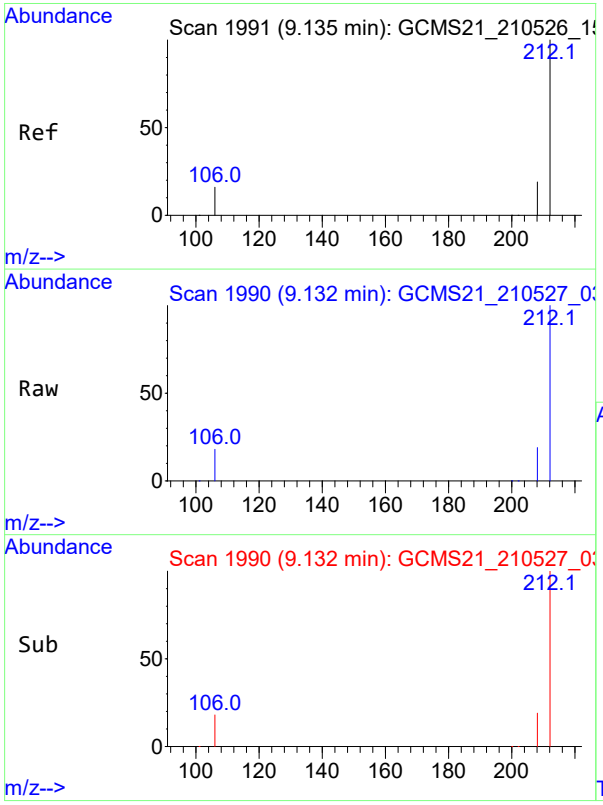


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:240 Resp: 577974

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

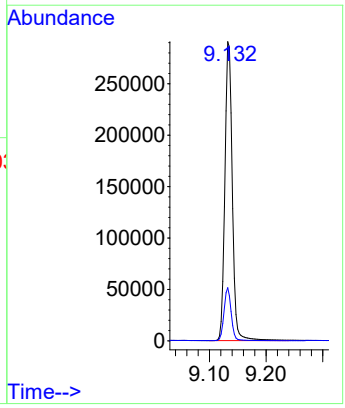


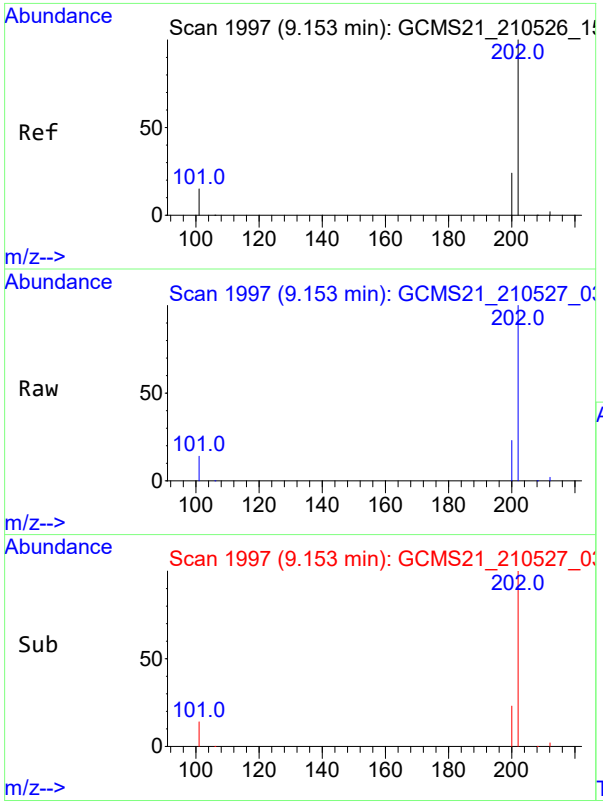


#17
Pyrene-D10
Concen: 199.84 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:212 Resp: 263533

Ion	Ratio	Lower	Upper
212	100		
106	17.4	0.0	46.2

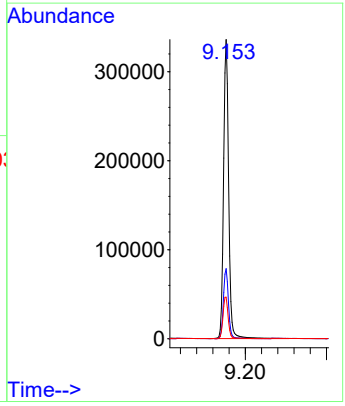


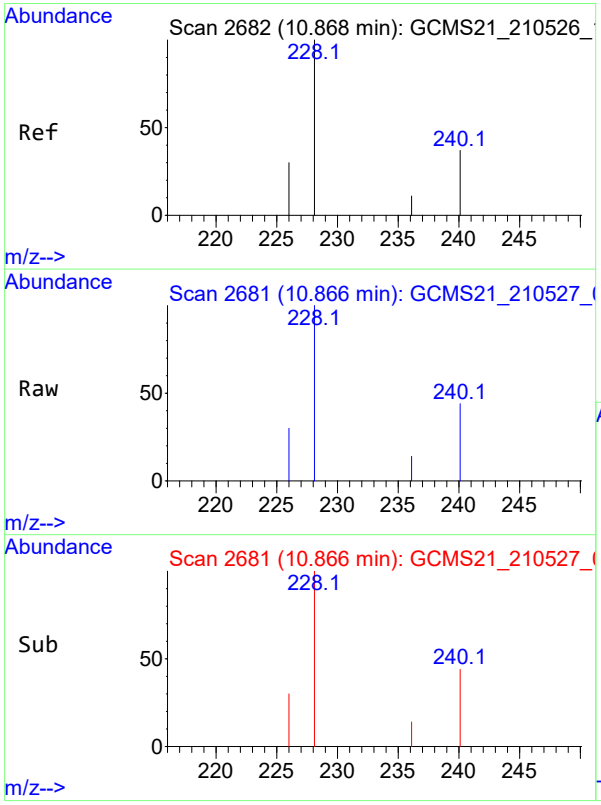


#18
Pyrene
Concen: 188.34 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:202 Resp: 290120

Ion	Ratio	Lower	Upper
202	100		
200	23.5	0.0	53.9
101	14.4	0.0	44.5

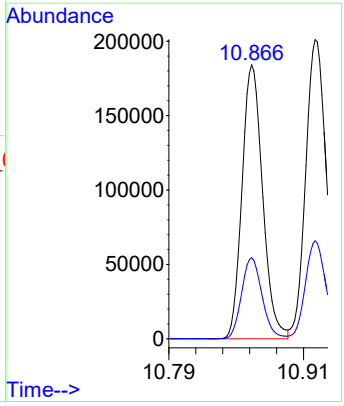


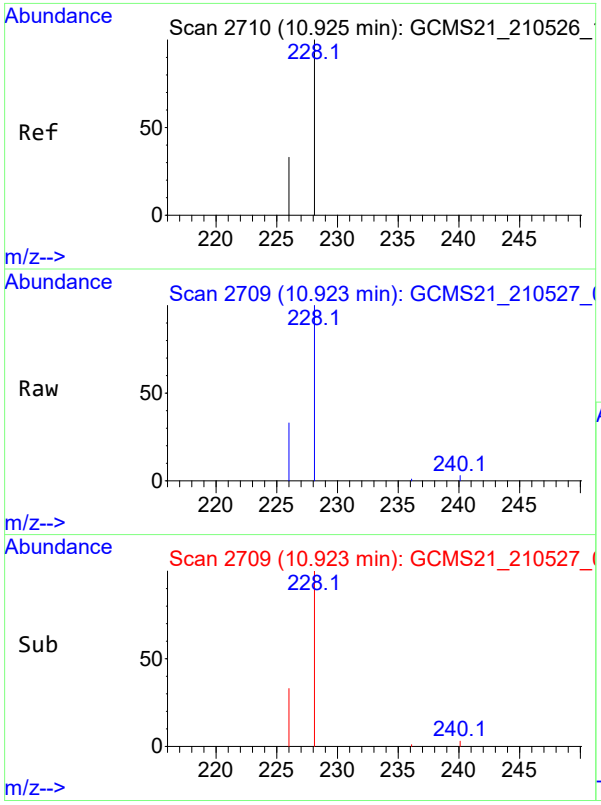


#19
Benzo(a)anthracene
Concen: 204.22 ng/mL
RT: 10.866 min Scan# 2681
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:228 Resp: 237409

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.8

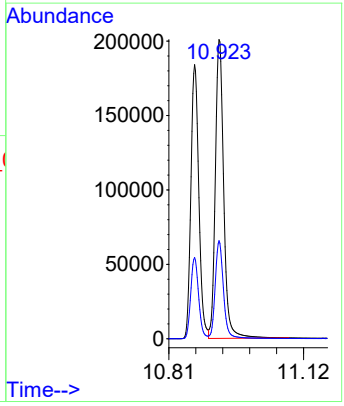


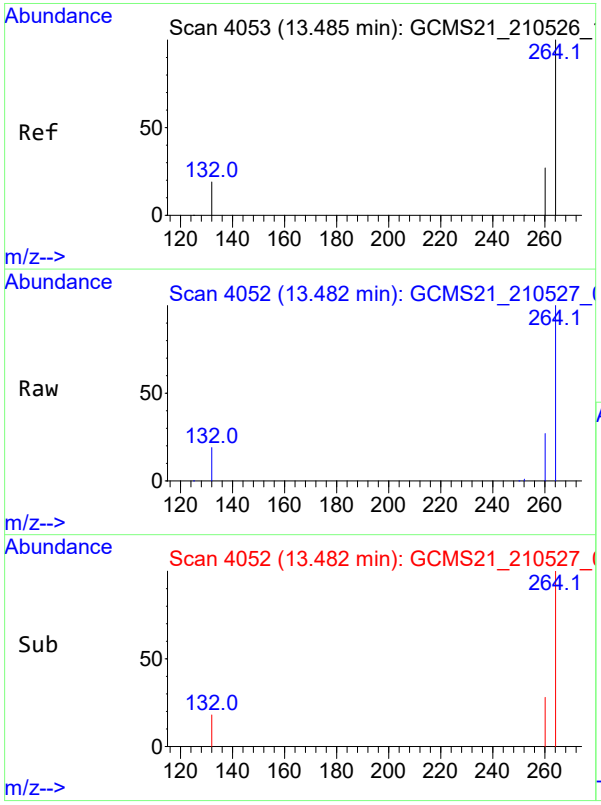


#20
Chrysene
Concen: 190.92 ng/mL
RT: 10.923 min Scan# 2709
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:228 Resp: 274027

Ion	Ratio	Lower	Upper
228	100		
226	32.5	2.8	62.8

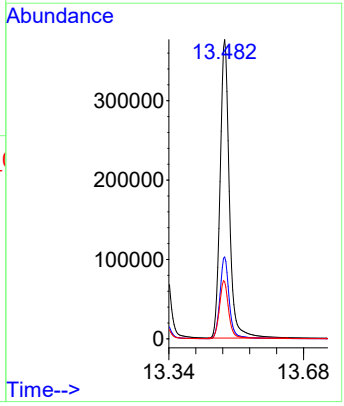


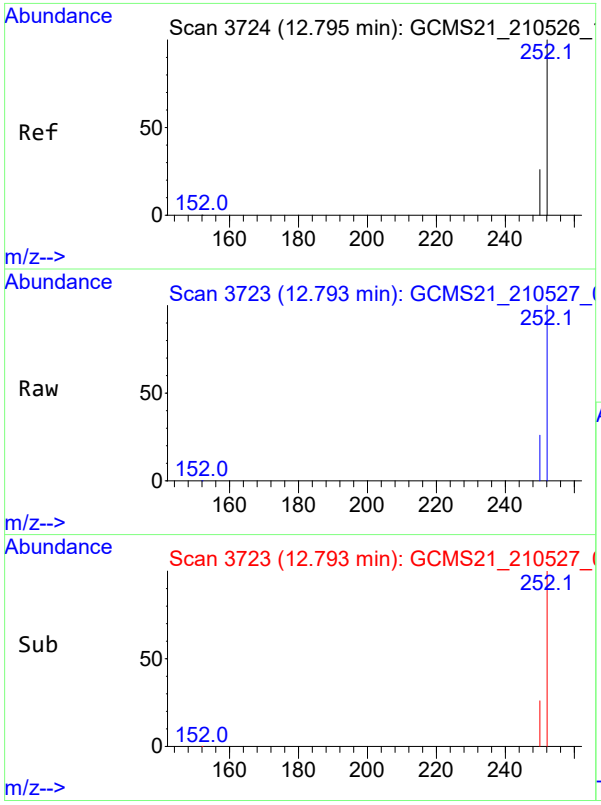


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:264 Resp: 612305

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.5
132	19.6	0.0	49.5

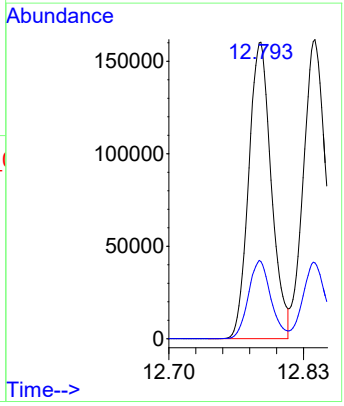


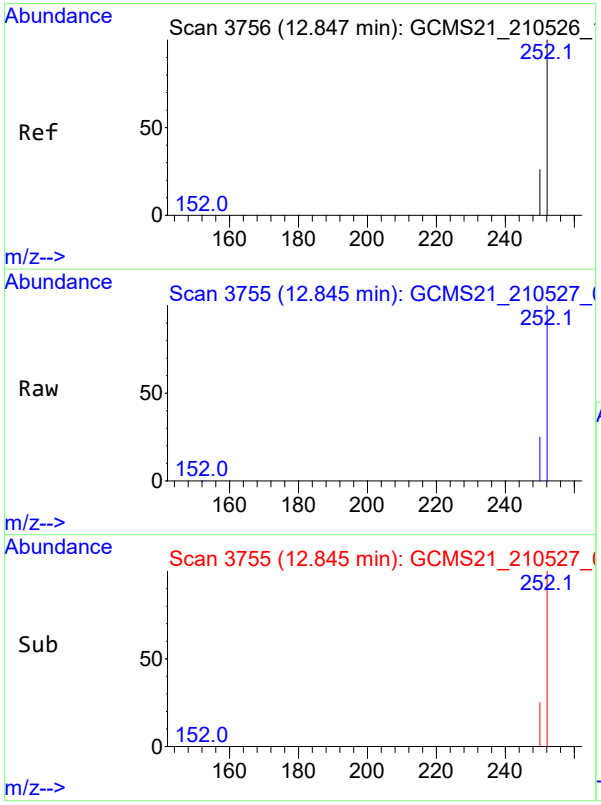


#22
Benzo(b)fluoranthene
Concen: 190.11 ng/mL
RT: 12.793 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 241627

Ion	Ratio	Lower	Upper
252	100		
250	26.2	0.0	56.2

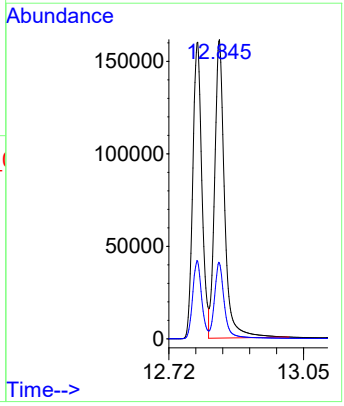


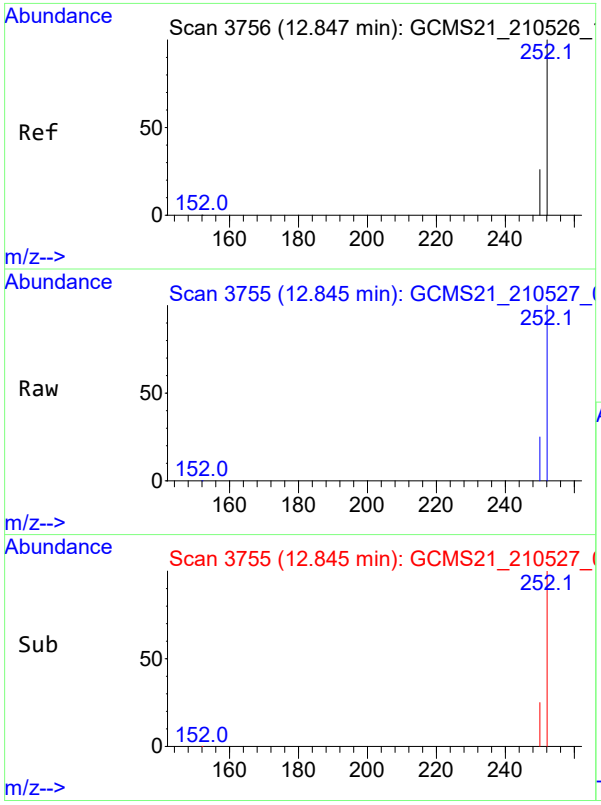


#23
Benzo(k)fluoranthene
Concen: 189.28 ng/mL
RT: 12.845 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 266613

Ion	Ratio	Lower	Upper
252	100		
250	24.6	0.0	55.6

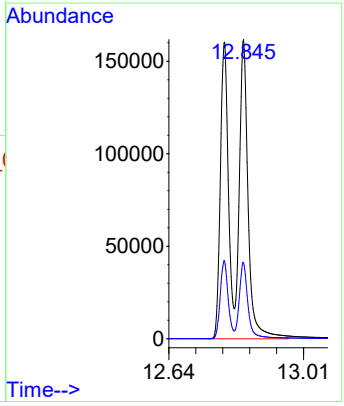


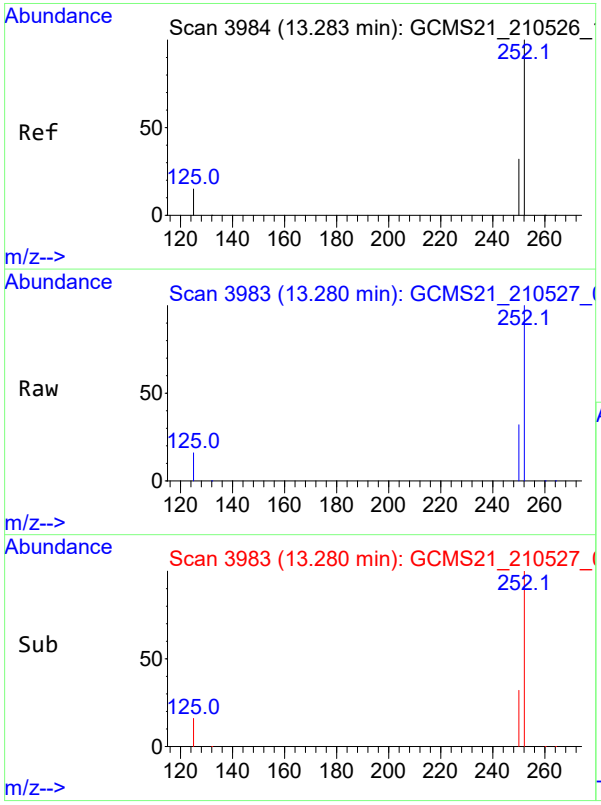


#24
benzo(b+k)fluoranthene (sum)
Concen: 371.31 ng/mL m
RT: 12.845 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 512797

Ion	Ratio	Lower	Upper
252	100		
250	25.9	0.0	55.6

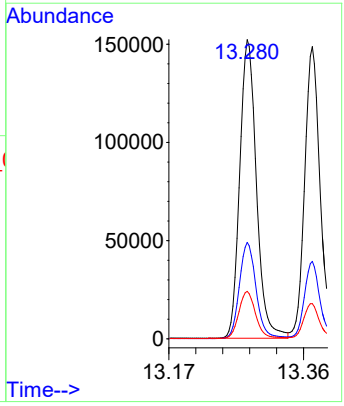


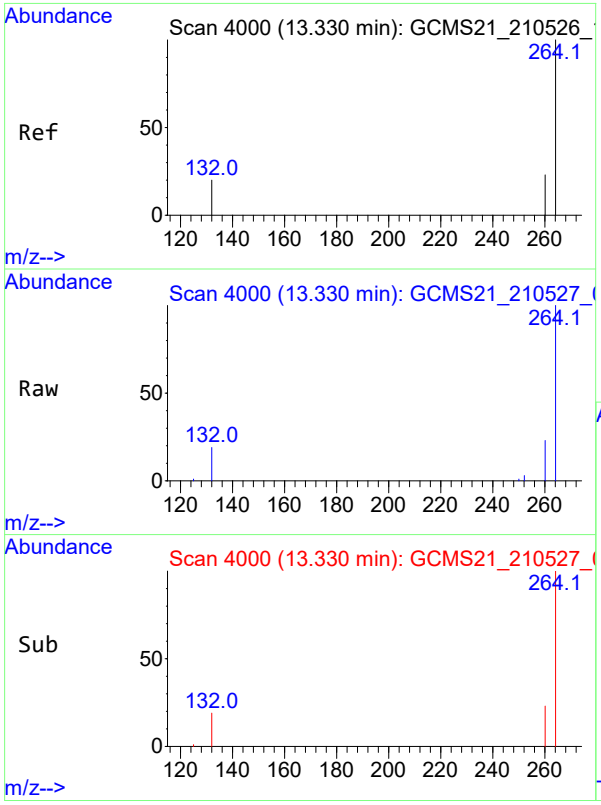


#25
Benzo(e)pyrene
Concen: 197.59 ng/mL
RT: 13.280 min Scan# 3983
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 253296

Ion	Ratio	Lower	Upper
252	100		
250	32.2	2.2	62.2
125	15.9	0.0	45.4

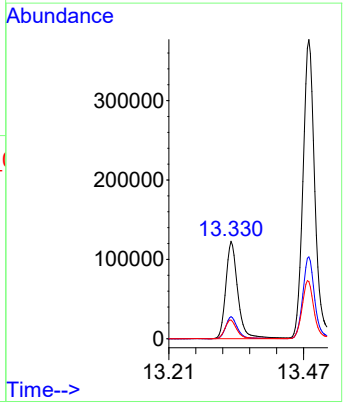


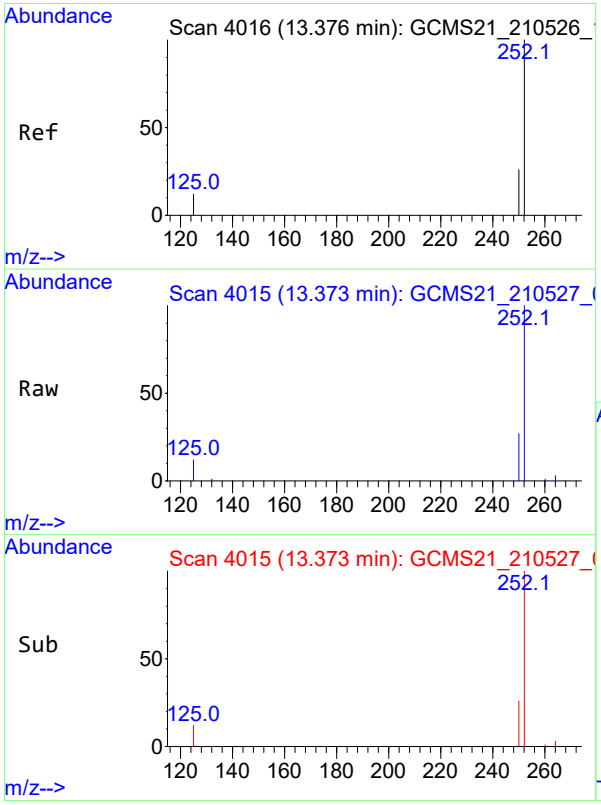


#26
Benzo(a)pyrene-D12
Concen: 201.06 ng/mL
RT: 13.330 min Scan# 4000
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:264 Resp: 200019

Ion	Ratio	Lower	Upper
264	100		
260	22.6	0.0	53.0
132	19.3	0.0	49.7

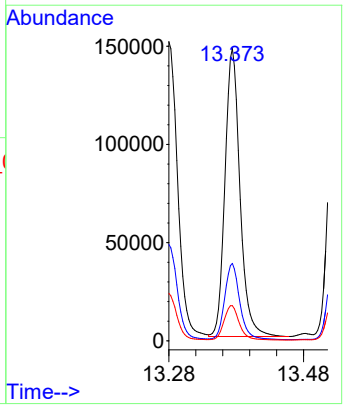


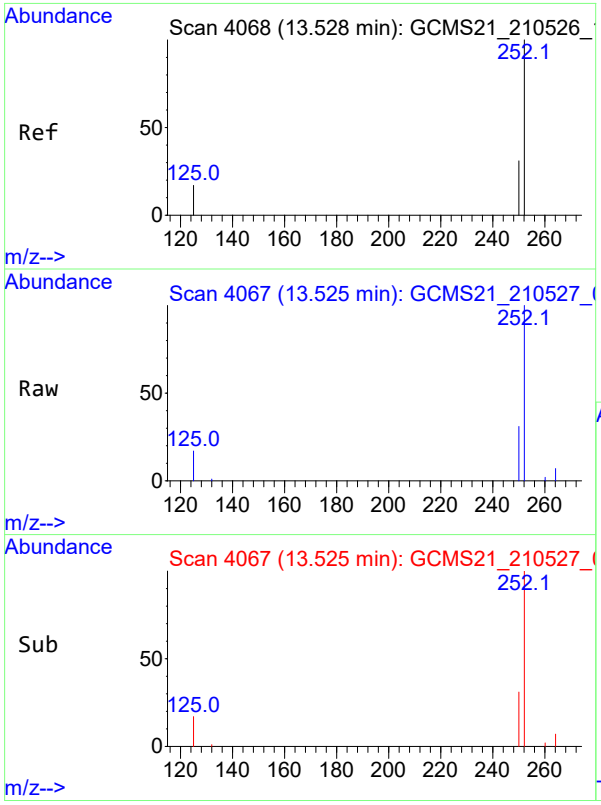


#27
Benzo(a)pyrene
Concen: 193.83 ng/mL
RT: 13.373 min Scan# 4015
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 224835

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	56.4
125	12.2	0.0	41.7

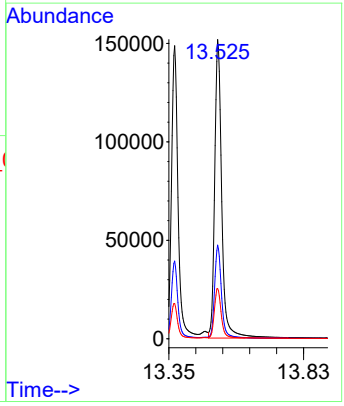


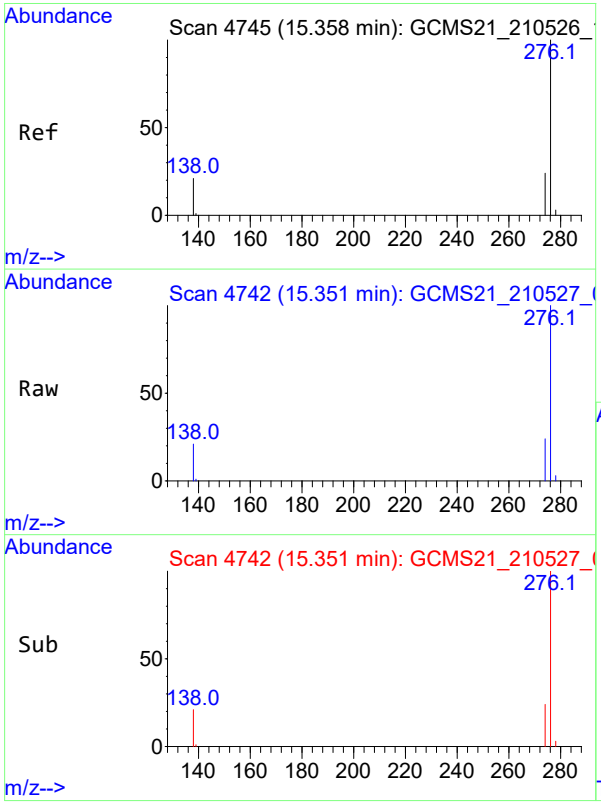


#28
Perylene
Concen: 201.54 ng/mL
RT: 13.525 min Scan# 4067
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 262547

Ion	Ratio	Lower	Upper
252	100		
250	30.4	1.5	61.5
125	16.4	0.0	46.6

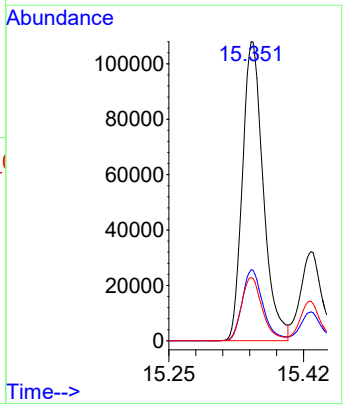


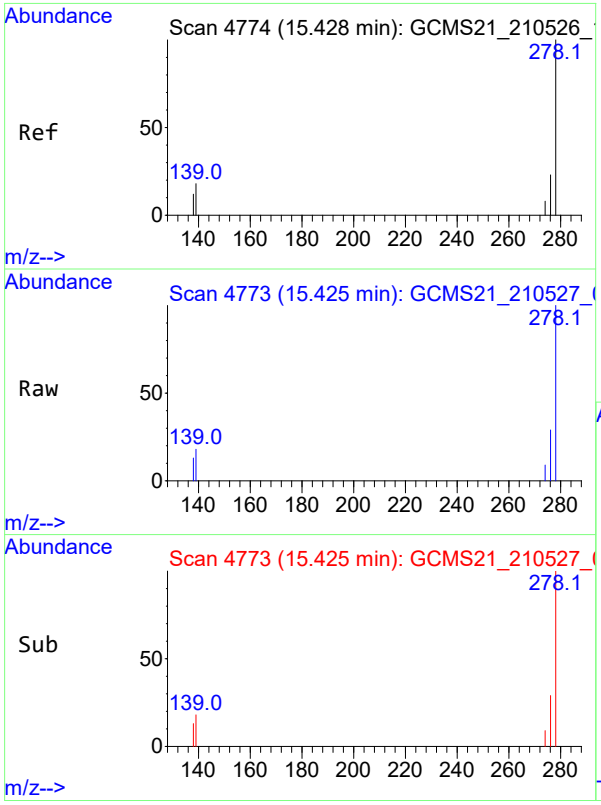


#29
Indeno(1,2,3-cd)pyrene
Concen: 195.41 ng/mL
RT: 15.351 min Scan# 4742
Delta R.T. -0.007 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:276 Resp: 193959

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.8
138	21.1	0.0	50.7

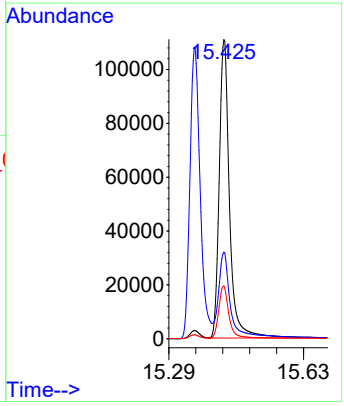


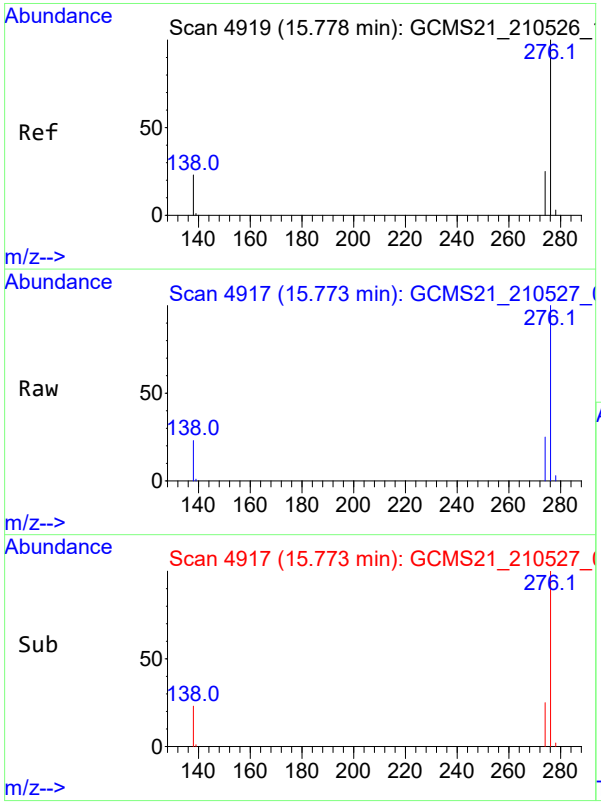


#30
Dibenz(a,h)anthracene
Concen: 201.36 ng/mL
RT: 15.425 min Scan# 4773
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:278 Resp: 199198

Ion	Ratio	Lower	Upper
278	100		
276	32.7	0.0	52.8
139	17.2	0.0	47.6

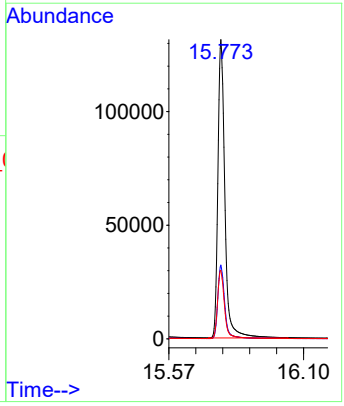




#31
Benzo(g,h,i)perylene
Concen: 192.97 ng/mL
RT: 15.773 min Scan# 4917
Delta R.T. -0.005 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:276 Resp: 248869

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.8
138	22.7	0.0	52.9



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_03.D
Acq On : 27 May 2021 11:09
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 11:27:20 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

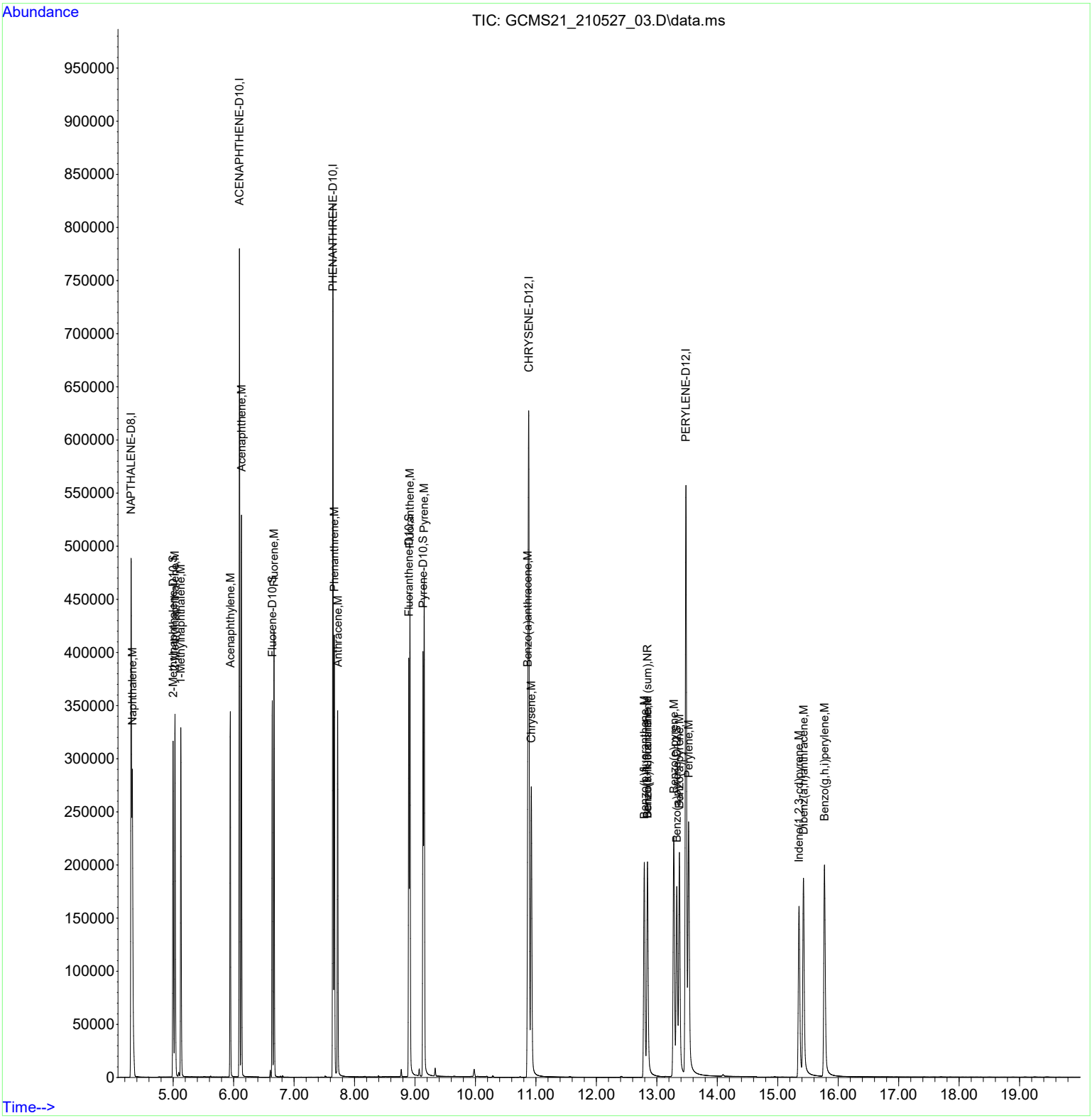
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	515523	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	292187	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	569815	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	577974	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	612305	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.998	152	132166	203.70	ng/mL	0.00
9) Fluorene-D10	6.639	176	137382	196.39	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	250183	202.77	ng/mL	0.00
17) Pyrene-D10	9.132	212	263533	199.84	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.330	264	200019	201.06	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.324	128	198858	201.04	ng/mL	100
4) 2-Methylnaphthalene	5.030	142	136823	187.82	ng/mL	99
5) 1-Methylnaphthalene	5.126	142	124153	204.61	ng/mL	99
7) Acenaphthylene	5.945	152	182805	188.50	ng/mL	99
8) Acenaphthene	6.129	153	141993	191.28	ng/mL	99
10) Fluorene	6.668	166	158064	192.37	ng/mL	100
12) Phenanthrene	7.667	178	254378	184.97	ng/mL	100
13) Anthracene	7.721	178	217467	190.17	ng/mL	100
15) Fluoranthene	8.916	202	275621	189.90	ng/mL	98
18) Pyrene	9.153	202	290120	188.34	ng/mL	99
19) Benzo(a)anthracene	10.866	228	237409	204.22	ng/mL	99
20) Chrysene	10.923	228	274027	190.92	ng/mL	99
22) Benzo(b)fluoranthene	12.793	252	241627	190.11	ng/mL	100
23) Benzo(k)fluoranthene	12.845	252	266613	189.28	ng/mL	98
24) benzo(b+k)fluoranthene...	12.845	252	266523	192.99	ng/mL	98
25) Benzo(e)pyrene	13.280	252	253296	197.59	ng/mL	100
27) Benzo(a)pyrene	13.373	252	224835	193.83	ng/mL	99
28) Perylene	13.525	252	262547	201.54	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.351	276	193959	195.41	ng/mL	99
30) Dibenz(a,h)anthracene	15.425	278	199198	201.36	ng/mL	88
31) Benzo(g,h,i)perylene	15.773	276	248869	192.97	ng/mL	99

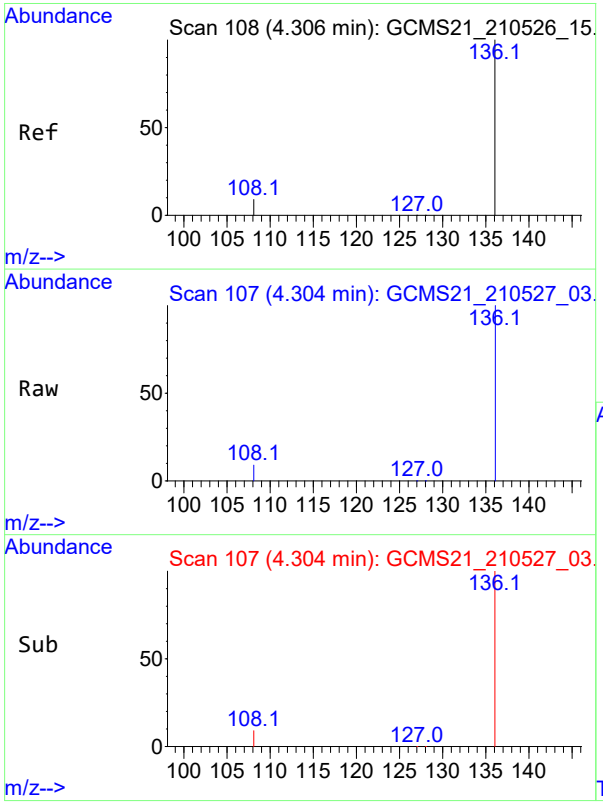
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_03.D
Acq On : 27 May 2021 11:09
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 11:27:20 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

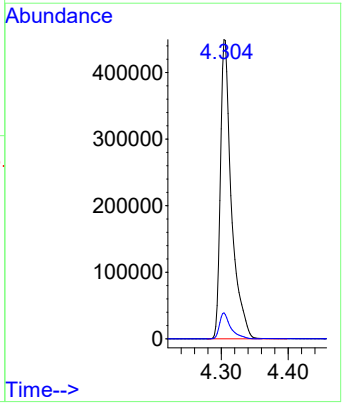


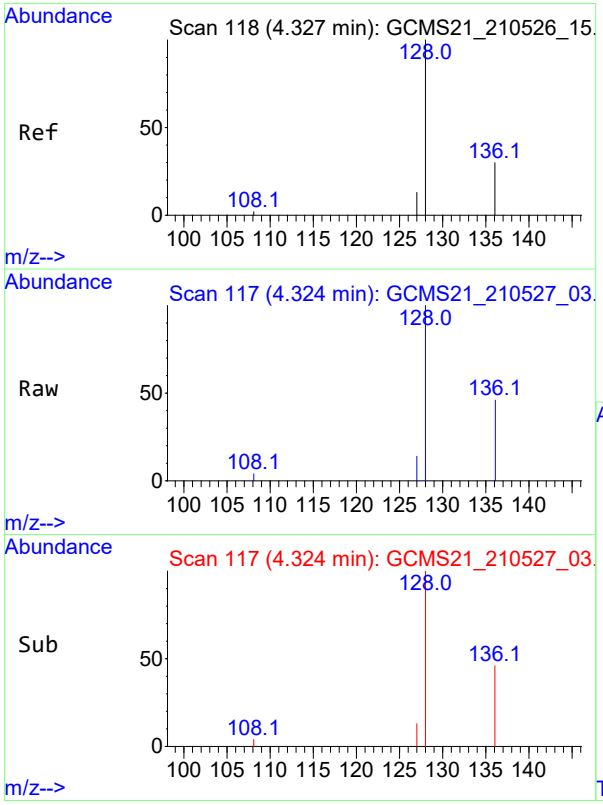


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:136 Resp: 515523

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	28.3

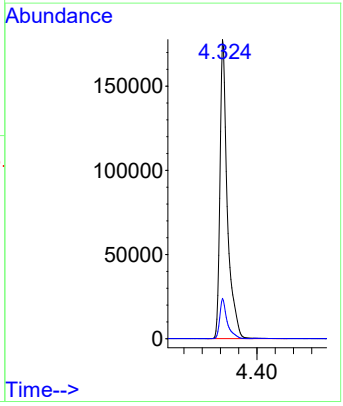


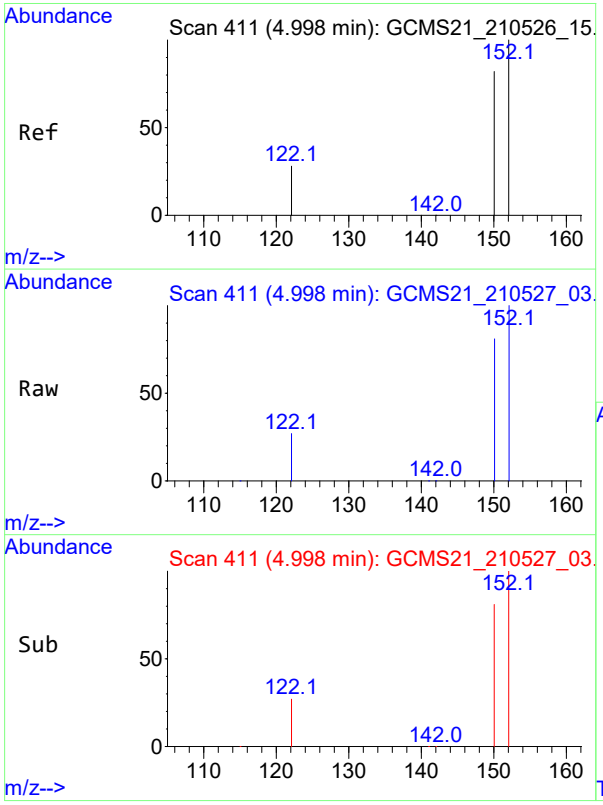


#2
Naphthalene
Concen: 201.04 ng/mL
RT: 4.324 min Scan# 117
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:128 Resp: 198858

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.3

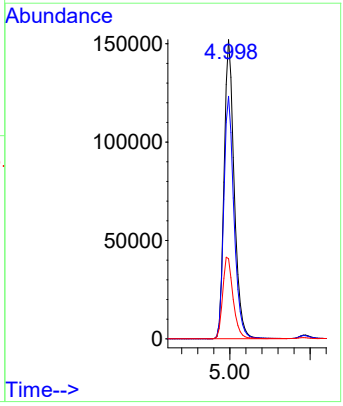


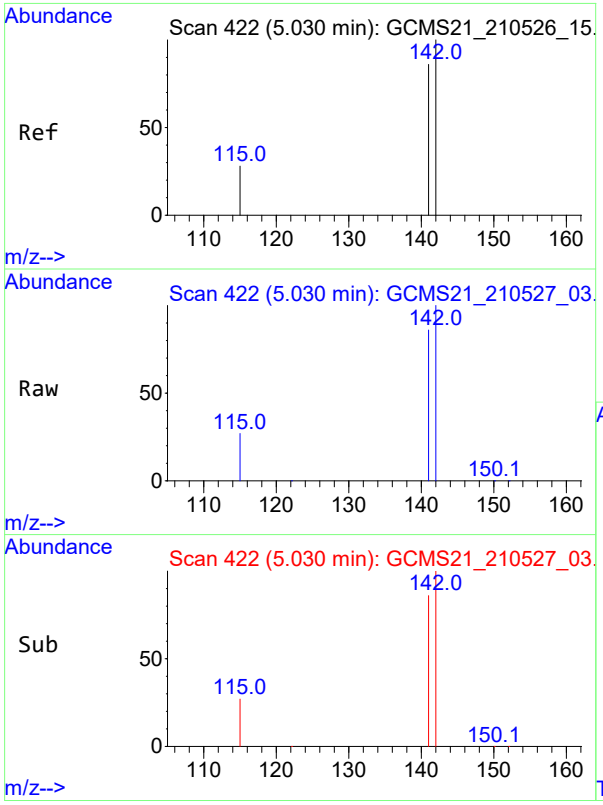


#3
2-Methylnaphthalene-D10
Concen: 203.70 ng/mL
RT: 4.998 min Scan# 411
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:152 Resp: 132166

Ion	Ratio	Lower	Upper
152	100		
150	82.0	52.3	112.3
122	28.2	0.0	57.5

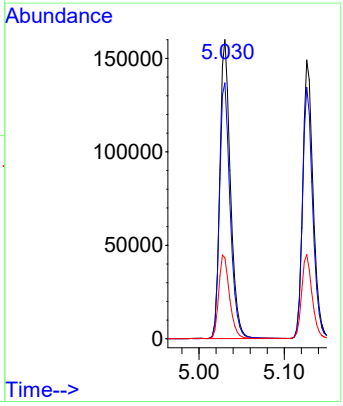


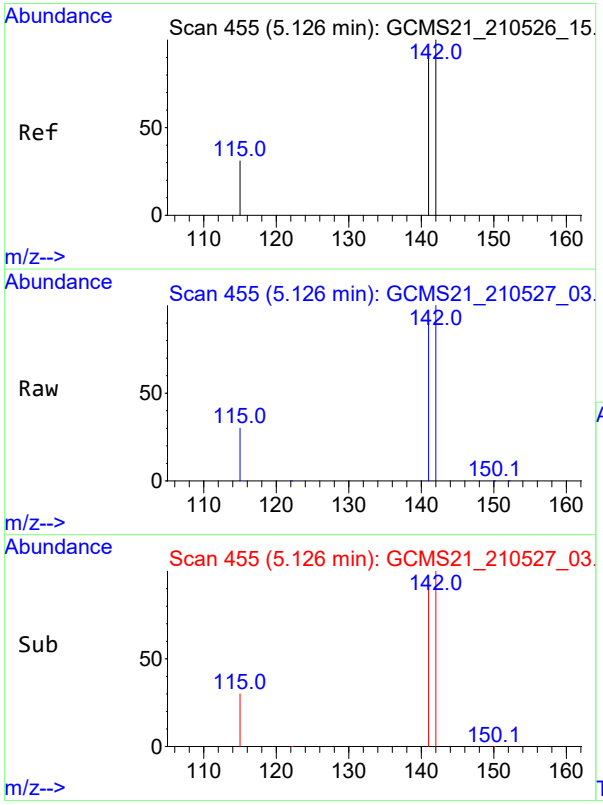


#4
2-Methylnaphthalene
Concen: 187.82 ng/mL
RT: 5.030 min Scan# 422
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:142 Resp: 136823

Ion	Ratio	Lower	Upper
142	100		
141	86.3	56.3	116.3
115	28.5	0.0	57.4

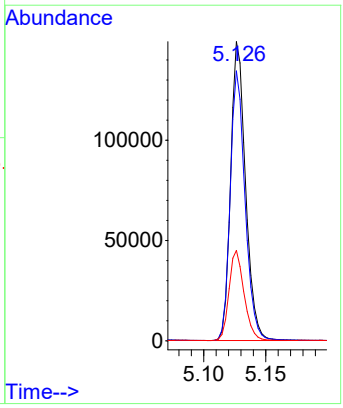


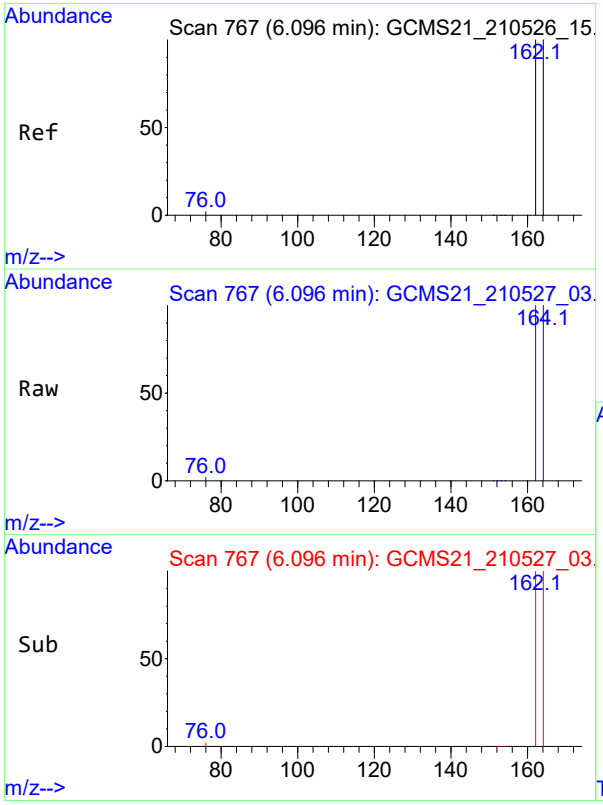


#5
1-Methylnaphthalene
Concen: 204.61 ng/mL
RT: 5.126 min Scan# 455
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:142 Resp: 124153

Ion	Ratio	Lower	Upper
142	100		
141	89.8	61.5	121.5
115	30.5	0.2	60.2

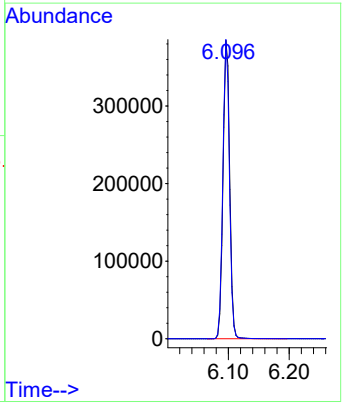


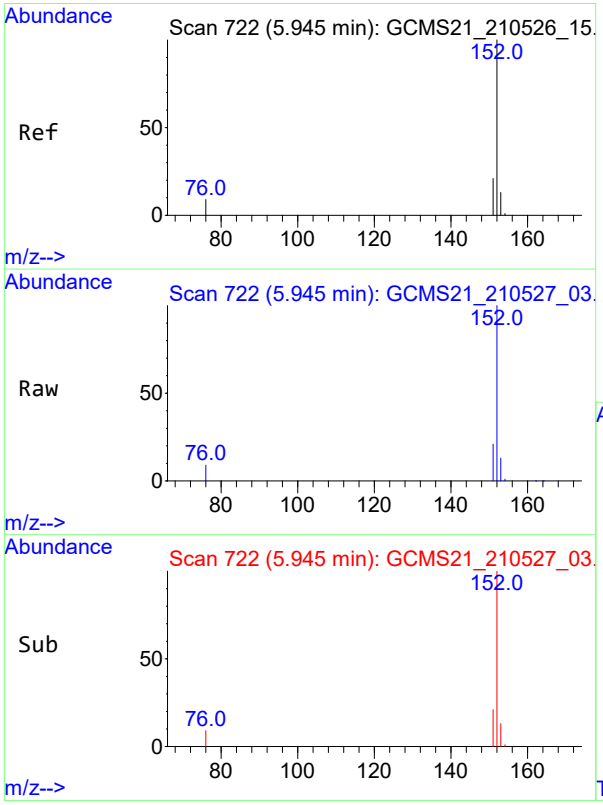


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:164 Resp: 292187

Ion	Ratio	Lower	Upper
164	100		
162	99.3	77.7	117.7

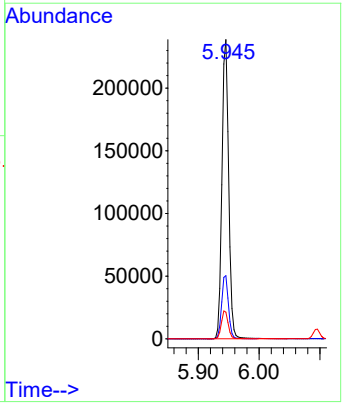


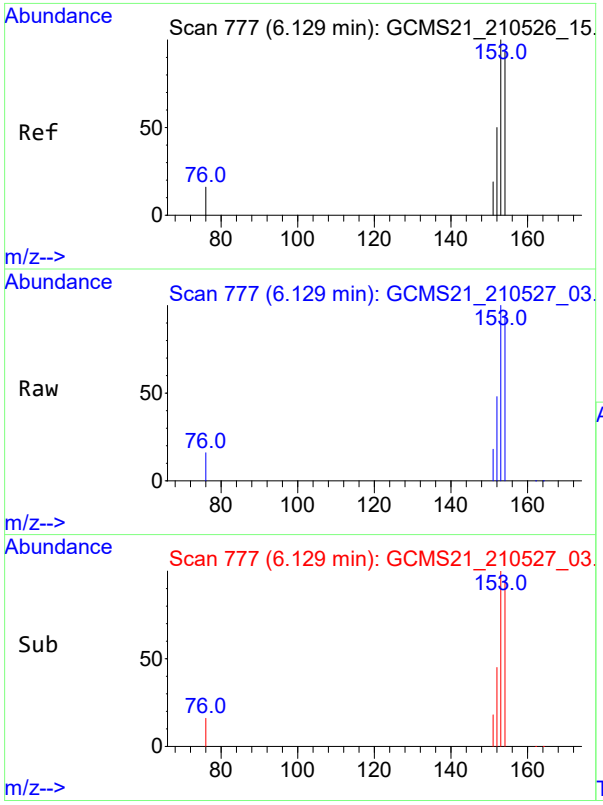


#7
Acenaphthylene
Concen: 188.50 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:152 Resp: 182805

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	52.0
76	9.5	0.0	39.5

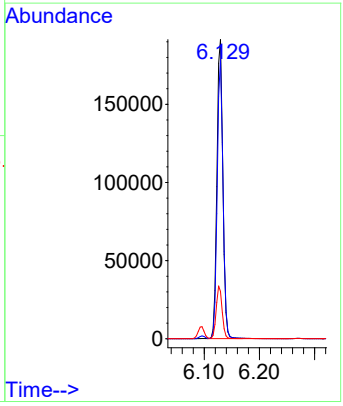


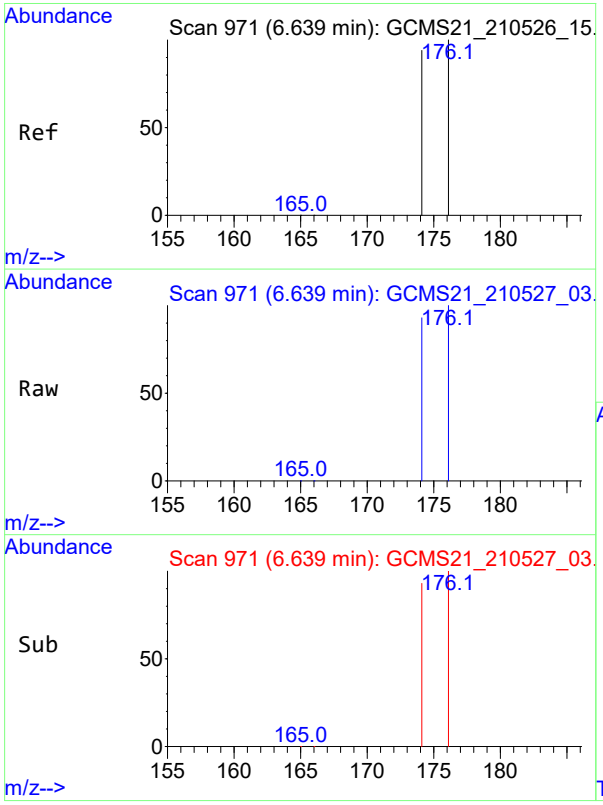


#8
Acenaphthene
Concen: 191.28 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:153 Resp: 141993

Ion	Ratio	Lower	Upper
153	100		
154	91.6	60.4	120.4
76	17.6	0.0	47.4

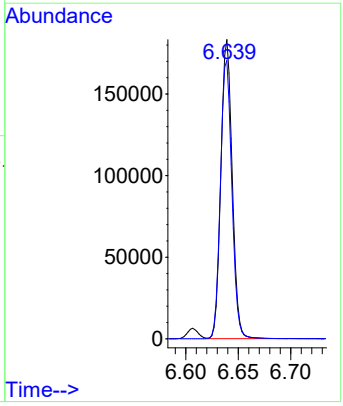


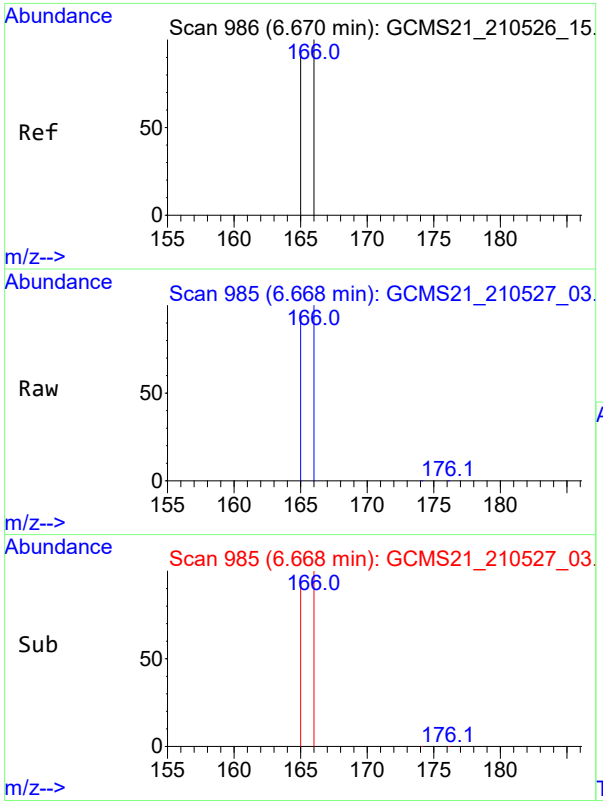


#9
Fluorene-D10
Concen: 196.39 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:176 Resp: 137382

Ion	Ratio	Lower	Upper
176	100		
174	94.2	63.9	123.9

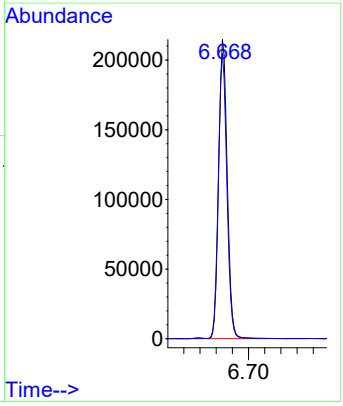


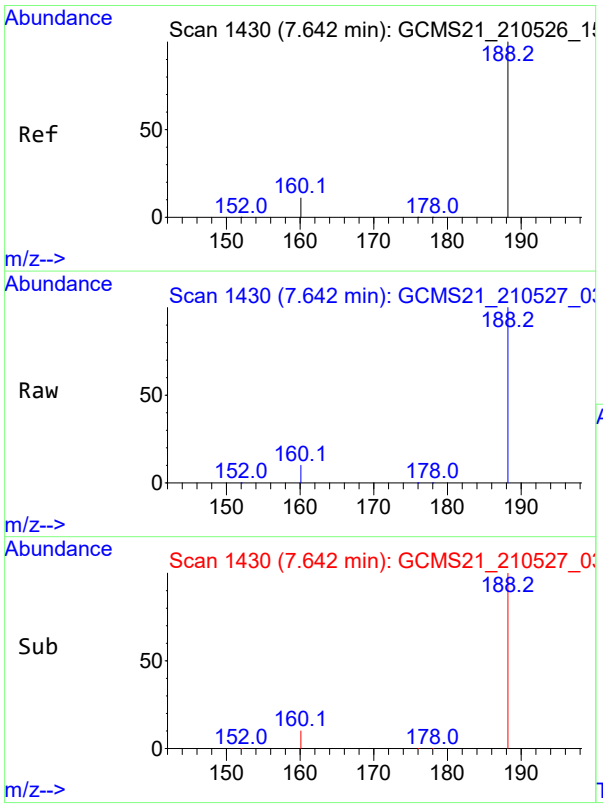


#10
Fluorene
Concen: 192.37 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:166 Resp: 158064

Ion	Ratio	Lower	Upper
166	100		
165	95.3	65.1	125.1

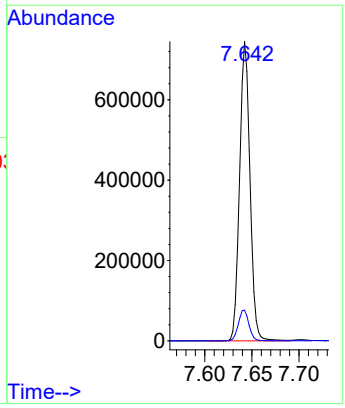


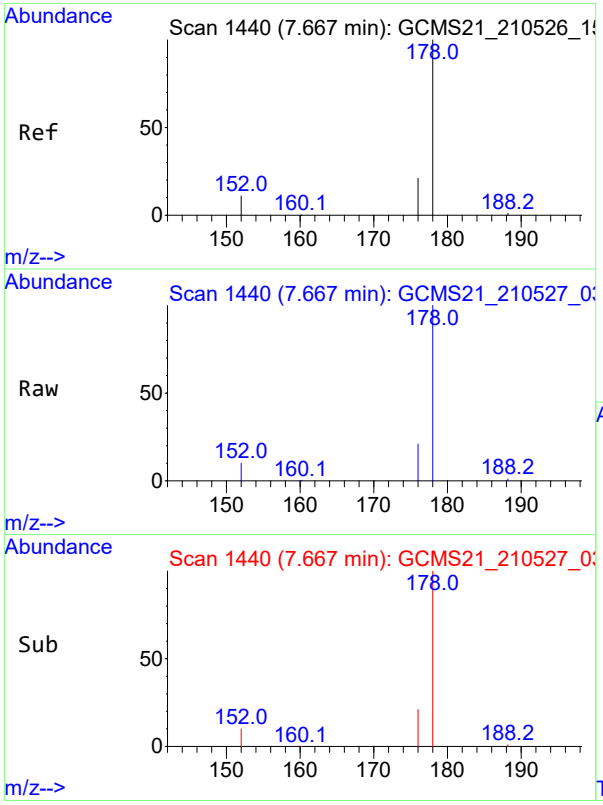


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:188 Resp: 569815

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	39.8

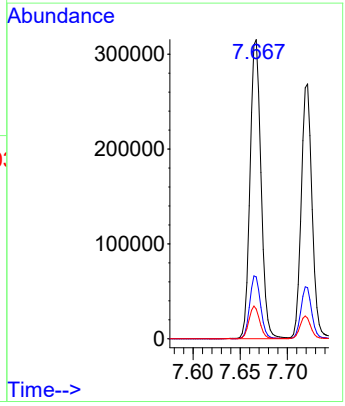


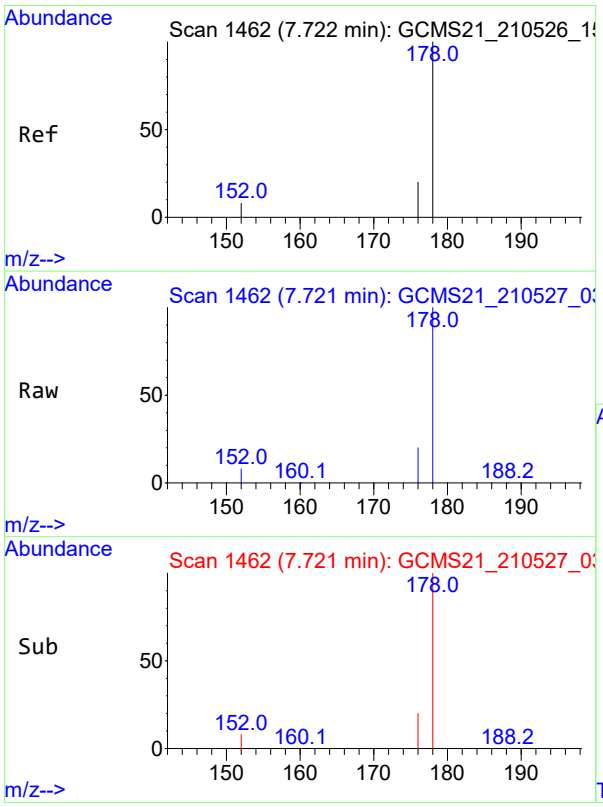


#12
Phenanthrene
Concen: 184.97 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:178 Resp: 254378

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	10.7	0.0	40.5

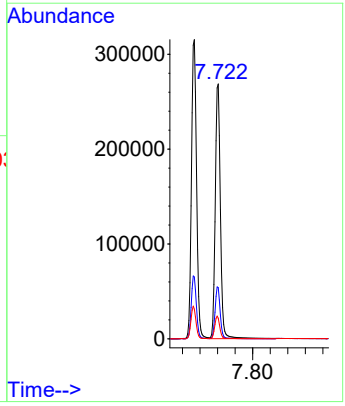


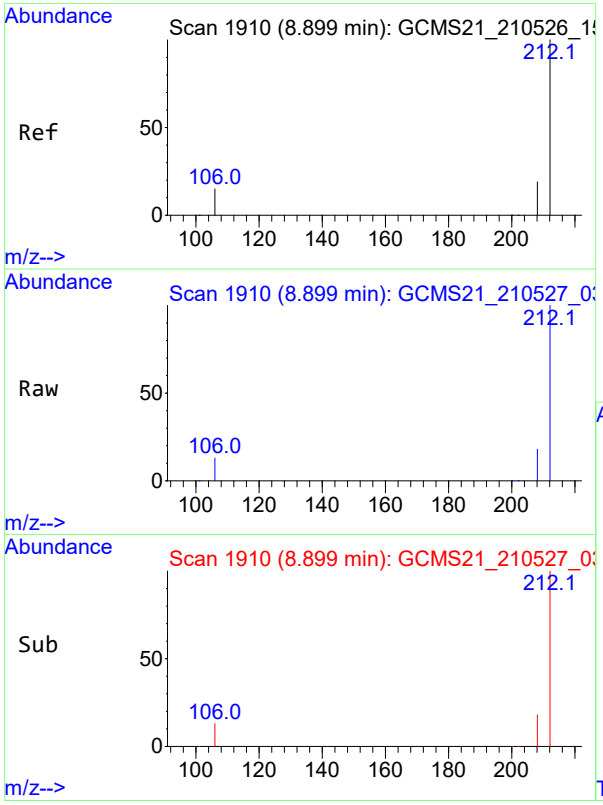


#13
Anthracene
Concen: 190.17 ng/mL
RT: 7.721 min Scan# 1462
Delta R.T. -0.001 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:178 Resp: 217467

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.2
152	8.7	0.0	38.2

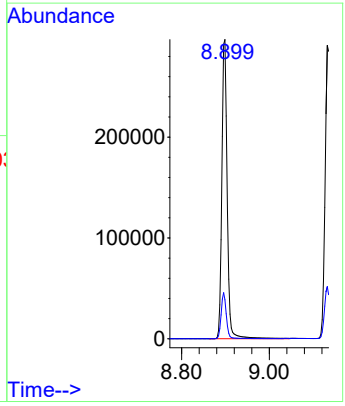


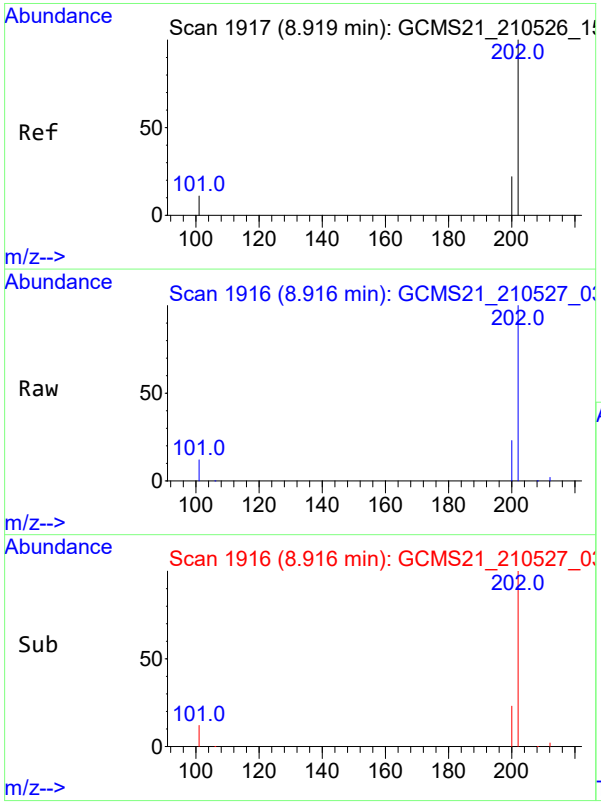


#14
Fluoranthene-D10
Concen: 202.77 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:212 Resp: 250183

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

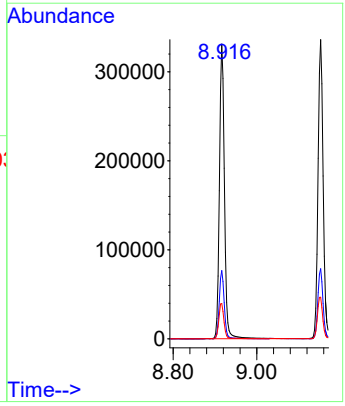


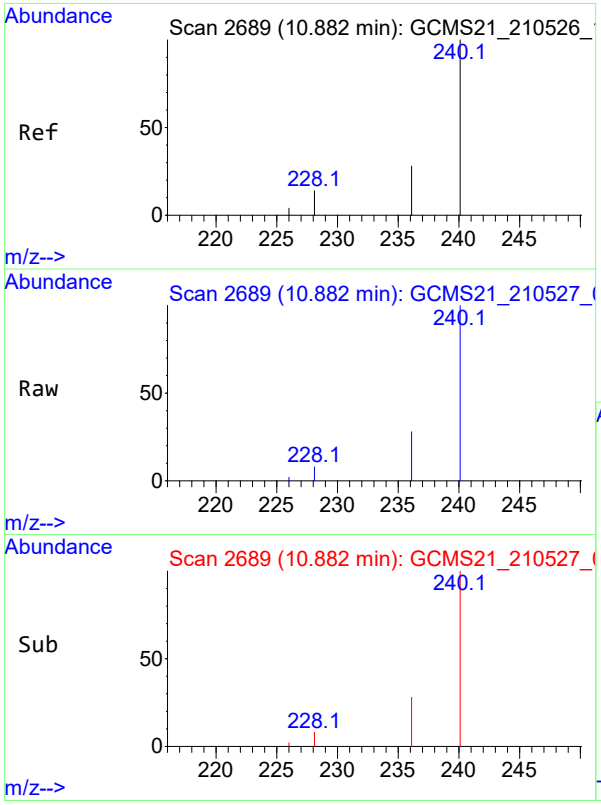


#15
Fluoranthene
Concen: 189.90 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:202 Resp: 275621

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	52.4
101	12.4	0.0	41.1

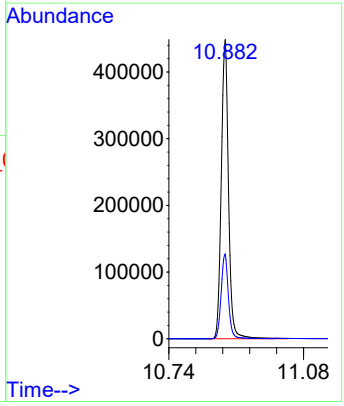


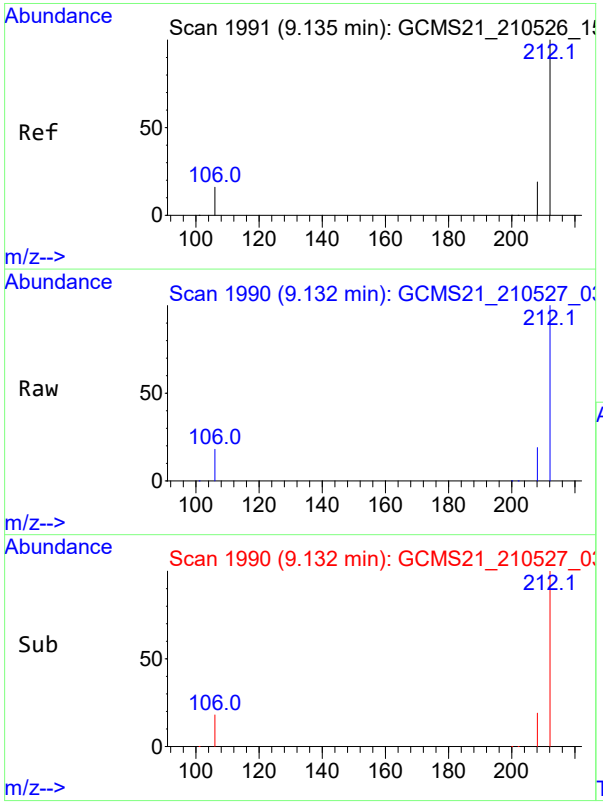


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:240 Resp: 577974

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

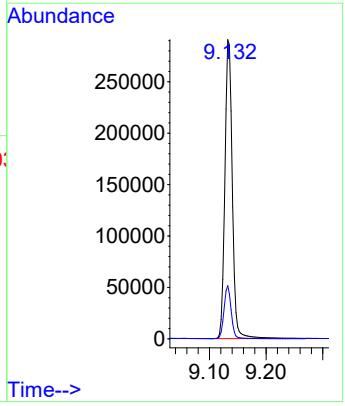


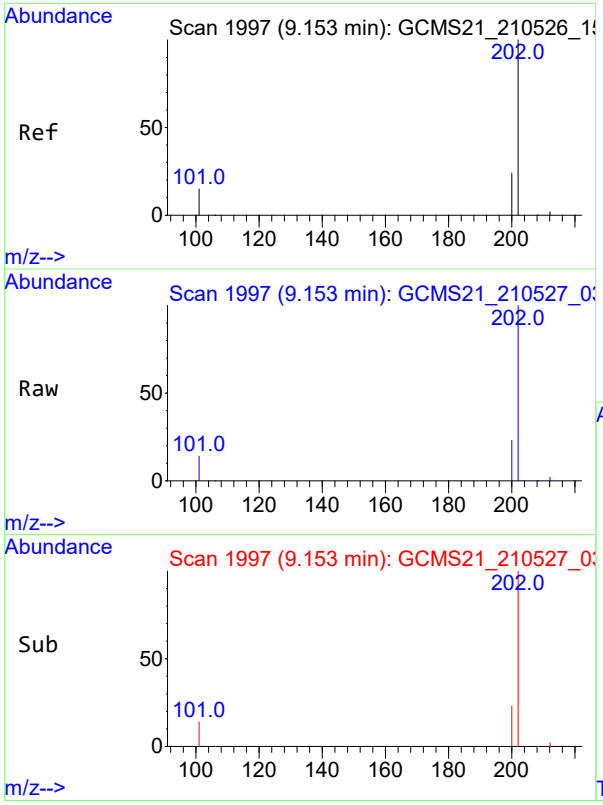


#17
Pyrene-D10
Concen: 199.84 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:212 Resp: 263533

Ion	Ratio	Lower	Upper
212	100		
106	17.4	0.0	46.2

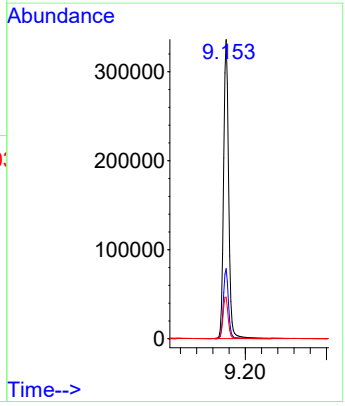


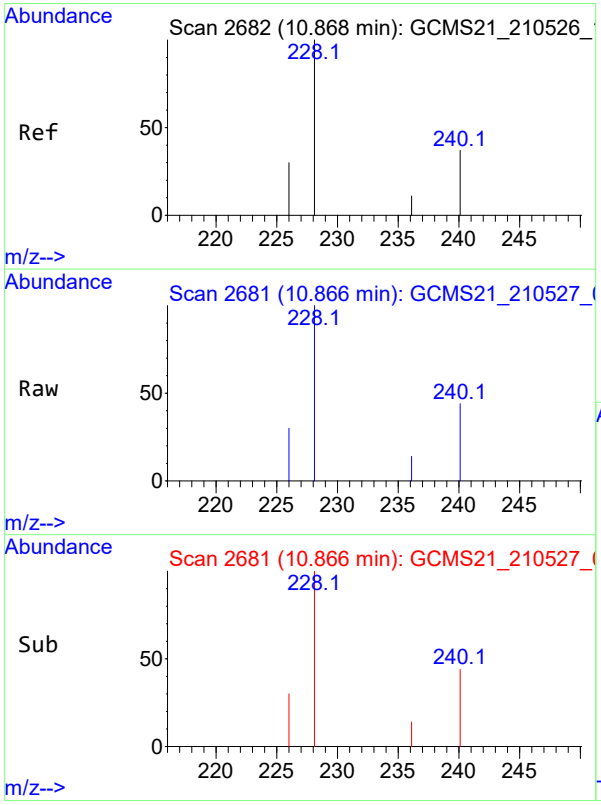


#18
Pyrene
Concen: 188.34 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:202 Resp: 290120

Ion	Ratio	Lower	Upper
202	100		
200	23.5	0.0	53.9
101	14.4	0.0	44.5

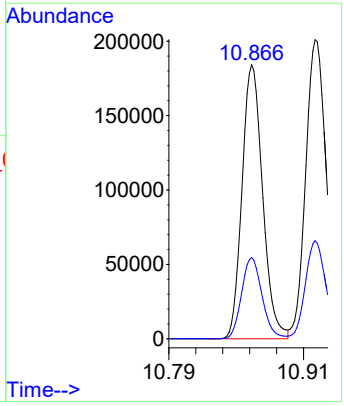


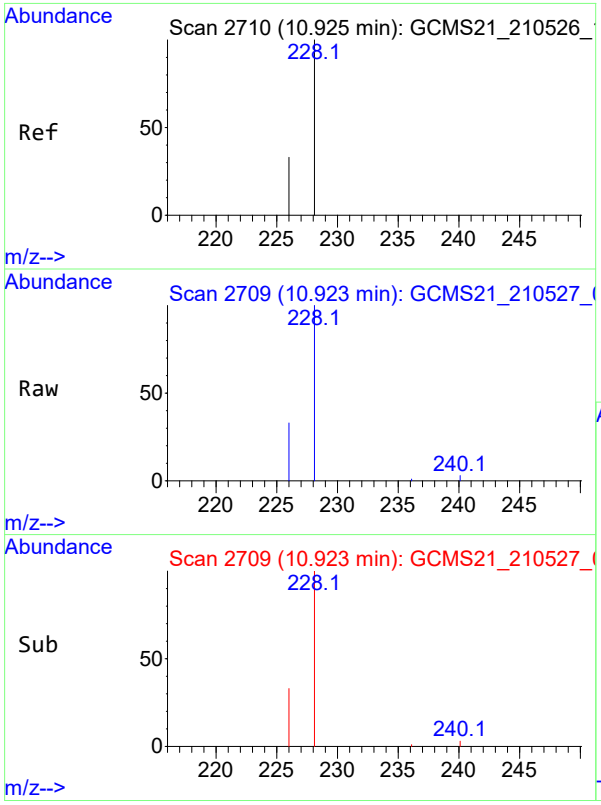


#19
Benzo(a)anthracene
Concen: 204.22 ng/mL
RT: 10.866 min Scan# 2681
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:228 Resp: 237409

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.8

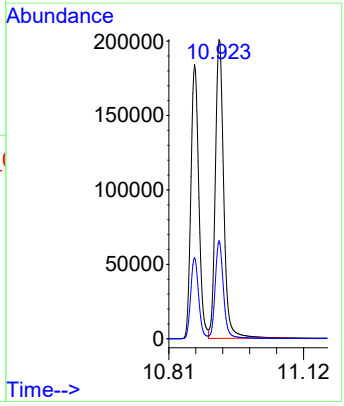


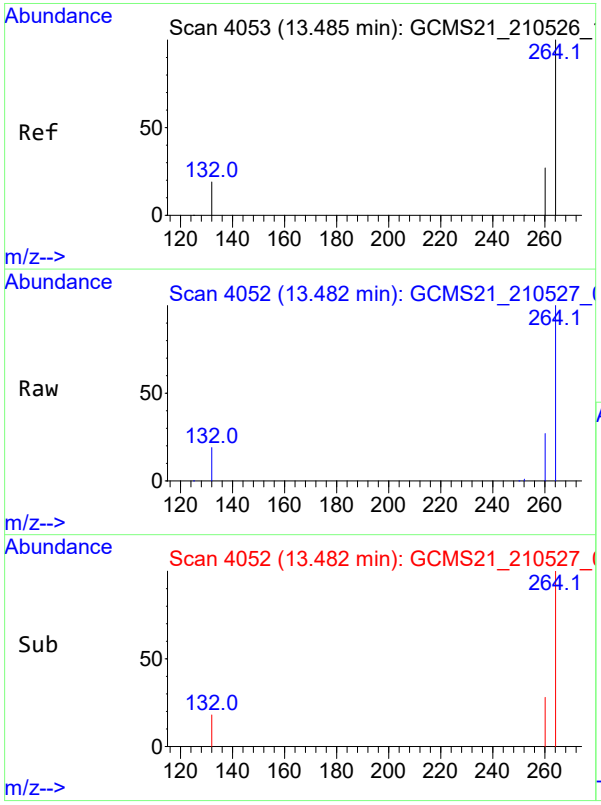


#20
Chrysene
Concen: 190.92 ng/mL
RT: 10.923 min Scan# 2709
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:228 Resp: 274027

Ion	Ratio	Lower	Upper
228	100		
226	32.5	2.8	62.8

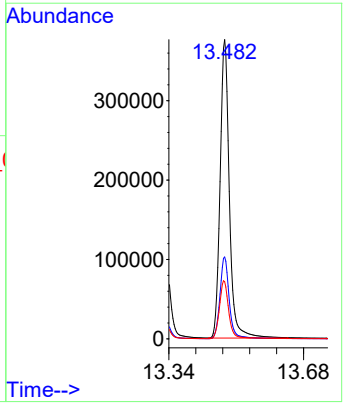


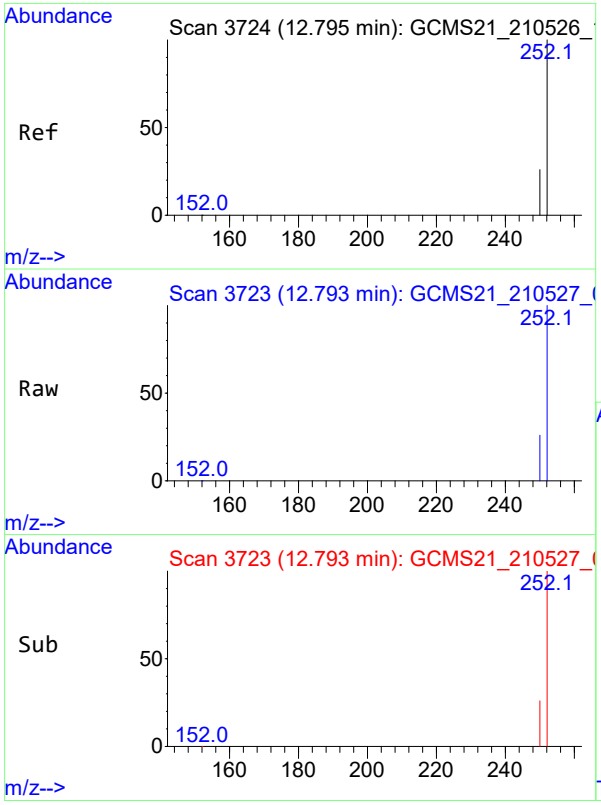


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:264 Resp: 612305

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.5
132	19.6	0.0	49.5

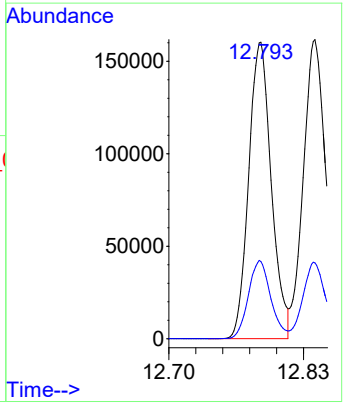


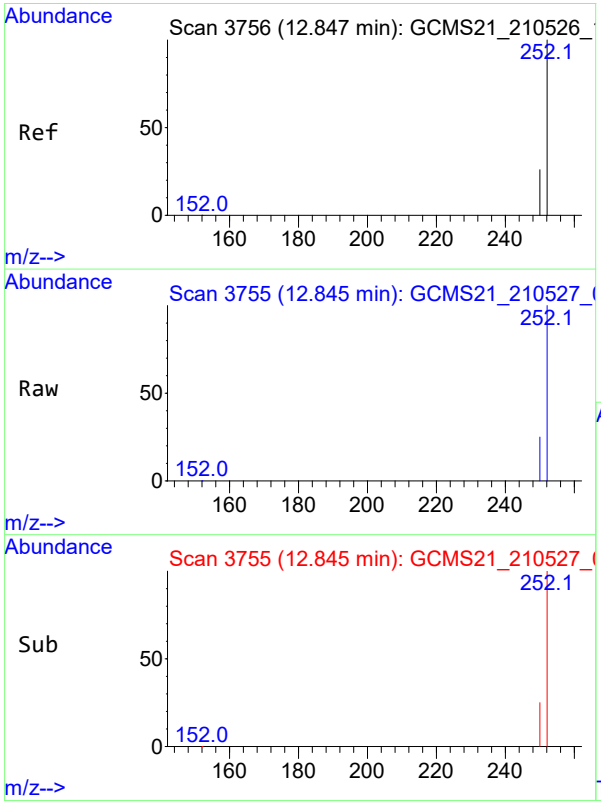


#22
Benzo(b)fluoranthene
Concen: 190.11 ng/mL
RT: 12.793 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 241627

Ion	Ratio	Lower	Upper
252	100		
250	26.2	0.0	56.2

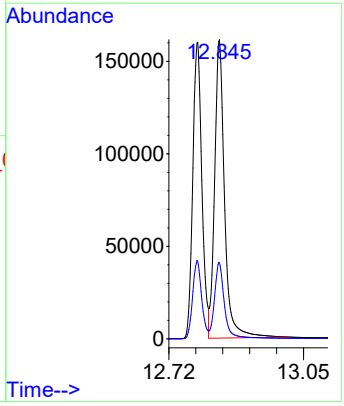


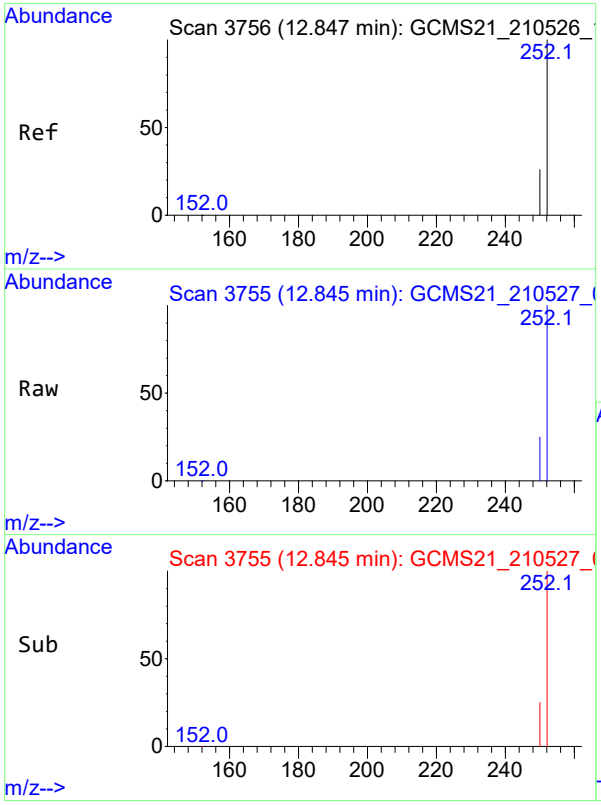


#23
Benzo(k)fluoranthene
Concen: 189.28 ng/mL
RT: 12.845 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 266613

Ion	Ratio	Lower	Upper
252	100		
250	24.6	0.0	55.6

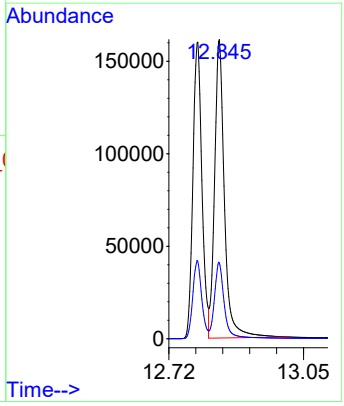


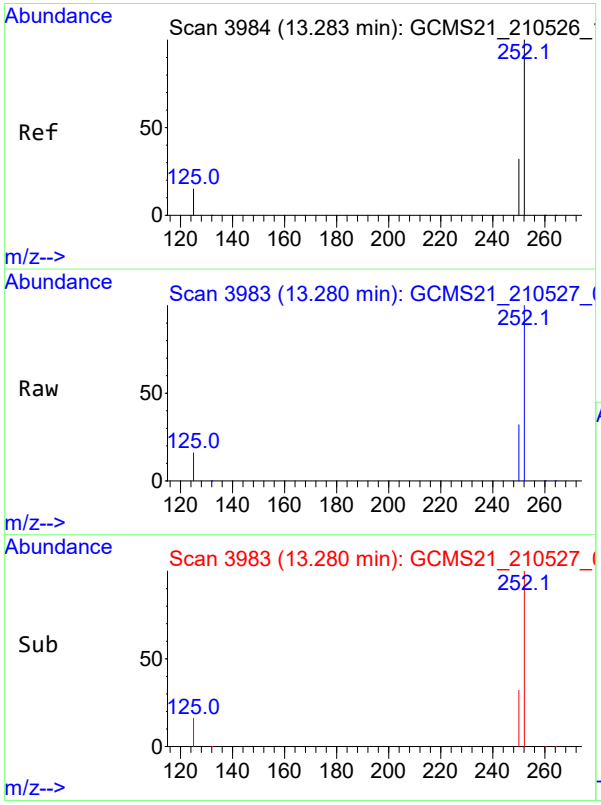


#24
benzo(b+k)fluoranthene (sum)
Concen: 192.99 ng/mL
RT: 12.845 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 266523

Ion	Ratio	Lower	Upper
252	100		
250	24.6	0.0	55.6

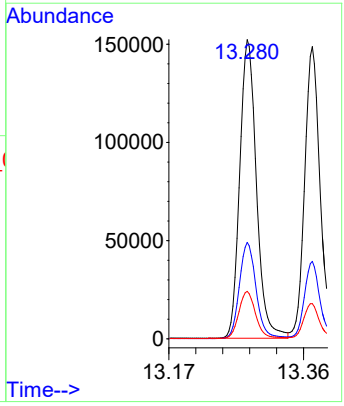


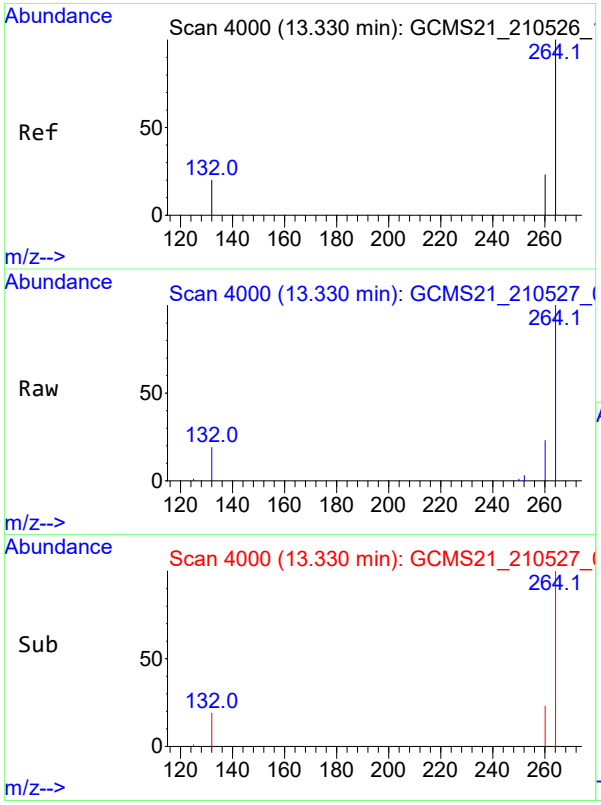


#25
Benzo(e)pyrene
Concen: 197.59 ng/mL
RT: 13.280 min Scan# 3983
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 253296

Ion	Ratio	Lower	Upper
252	100		
250	32.2	2.2	62.2
125	15.9	0.0	45.4

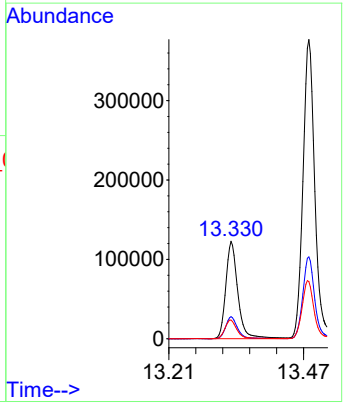


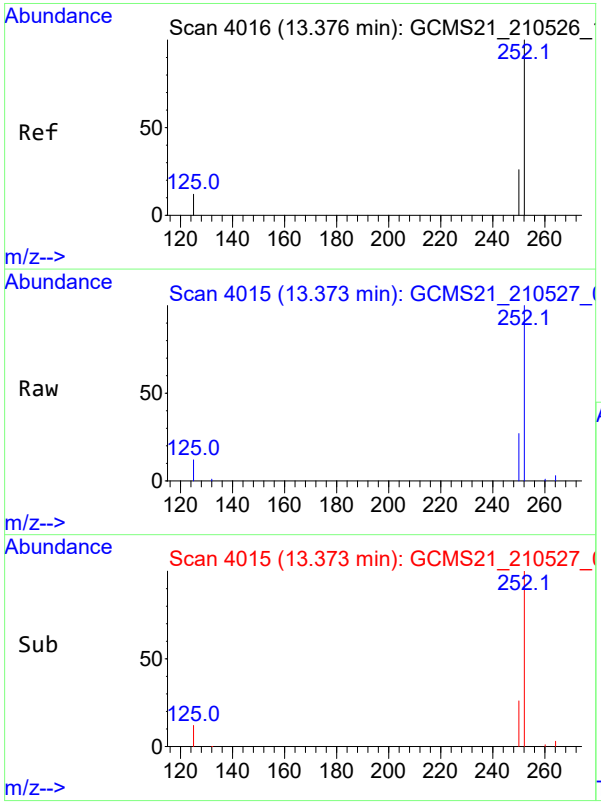


#26
Benzo(a)pyrene-D12
Concen: 201.06 ng/mL
RT: 13.330 min Scan# 4000
Delta R.T. -0.000 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:264 Resp: 200019

Ion	Ratio	Lower	Upper
264	100		
260	22.6	0.0	53.0
132	19.3	0.0	49.7

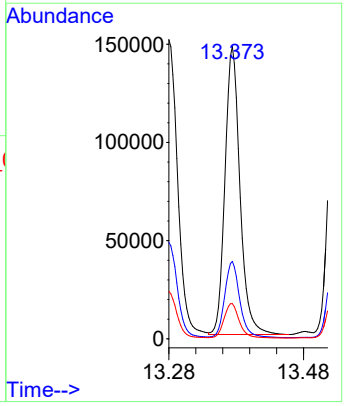


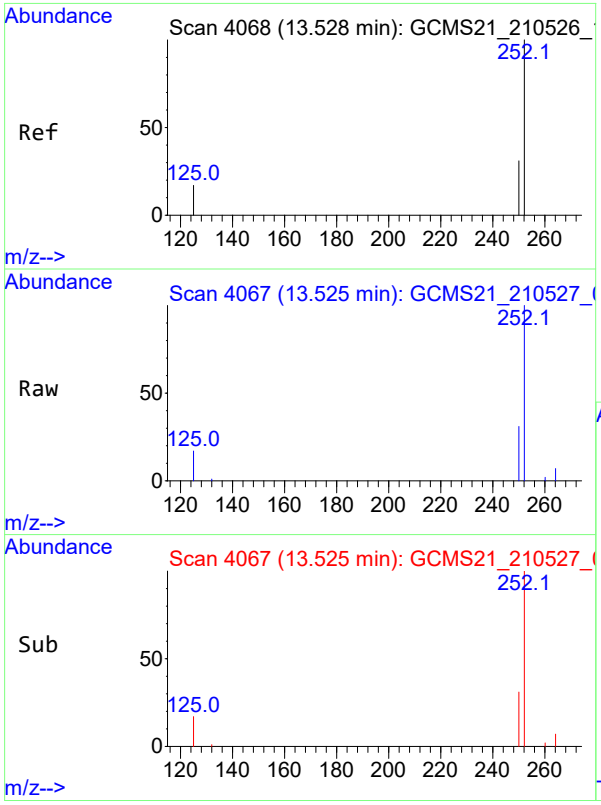


#27
Benzo(a)pyrene
Concen: 193.83 ng/mL
RT: 13.373 min Scan# 4015
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 224835

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	56.4
125	12.2	0.0	41.7

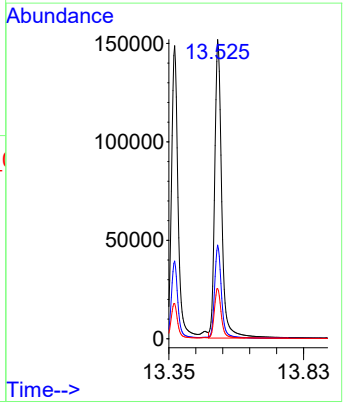


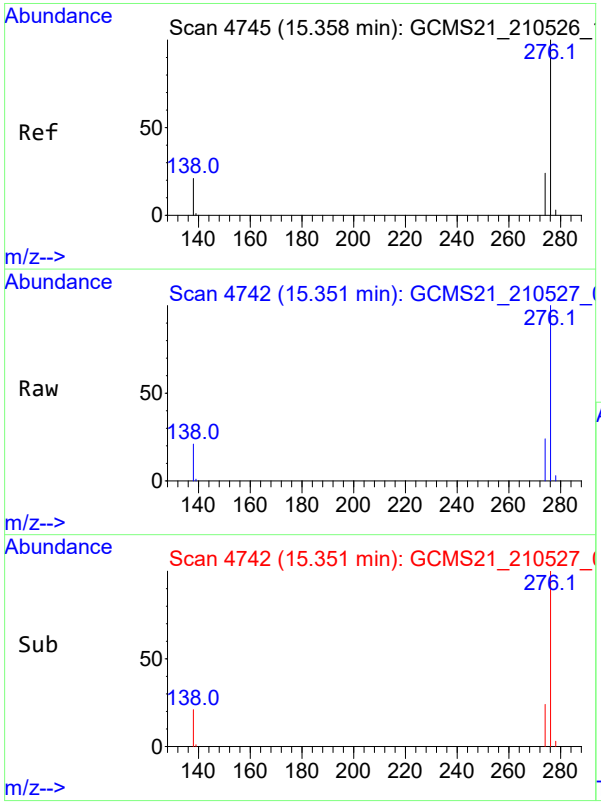


#28
Perylene
Concen: 201.54 ng/mL
RT: 13.525 min Scan# 4067
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:252 Resp: 262547

Ion	Ratio	Lower	Upper
252	100		
250	30.4	1.5	61.5
125	16.4	0.0	46.6

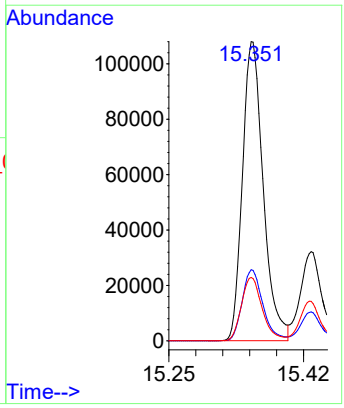


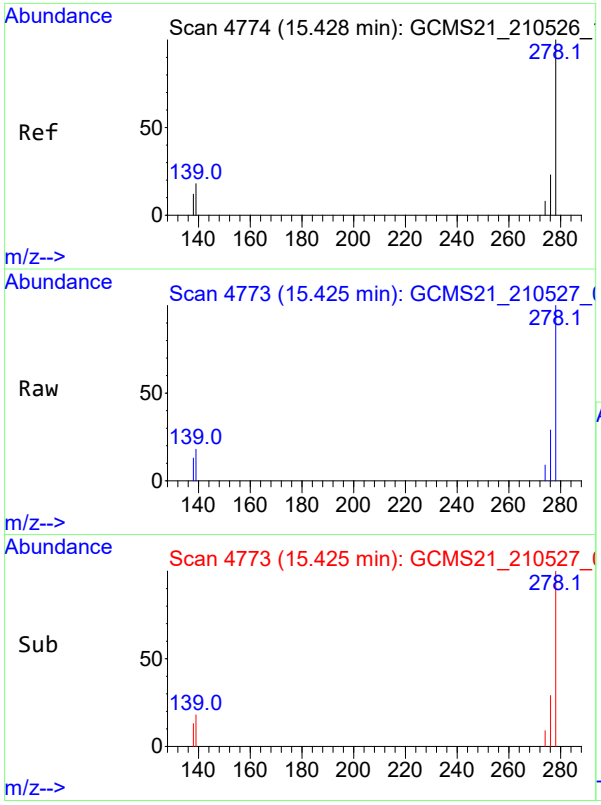


#29
Indeno(1,2,3-cd)pyrene
Concen: 195.41 ng/mL
RT: 15.351 min Scan# 4742
Delta R.T. -0.007 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:276 Resp: 193959

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.8
138	21.1	0.0	50.7

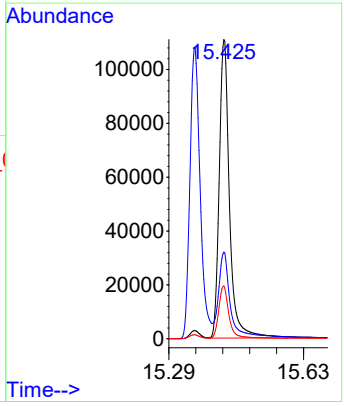


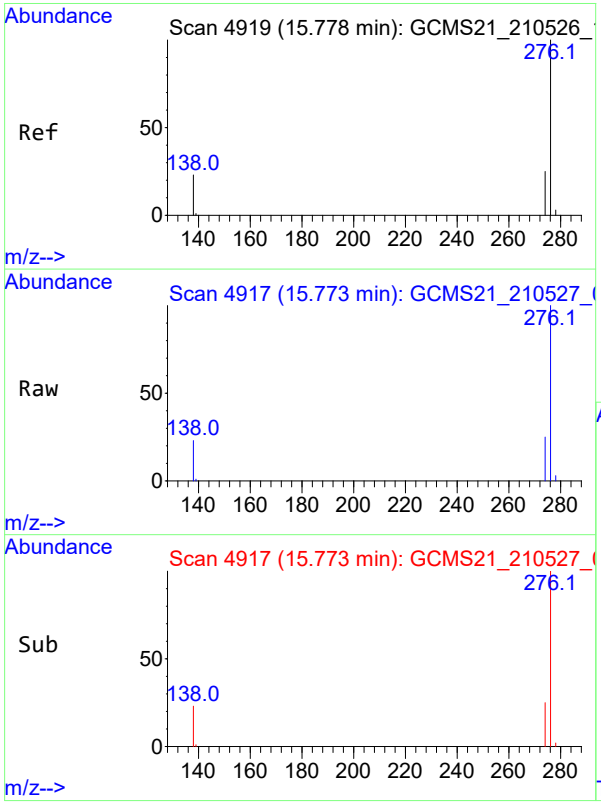


#30
Dibenz(a,h)anthracene
Concen: 201.36 ng/mL
RT: 15.425 min Scan# 4773
Delta R.T. -0.003 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:278 Resp: 199198

Ion	Ratio	Lower	Upper
278	100		
276	32.7	0.0	52.8
139	17.2	0.0	47.6

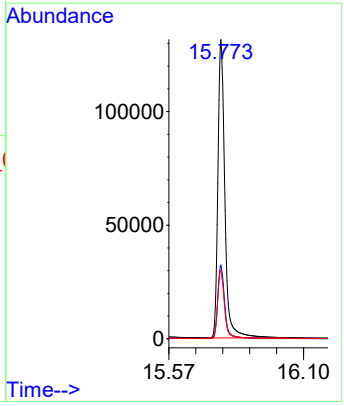




#31
Benzo(g,h,i)perylene
Concen: 192.97 ng/mL
RT: 15.773 min Scan# 4917
Delta R.T. -0.005 min
Lab File: GCMS21_210527_03.D
Acq: 27 May 2021 11:09

Tgt Ion:276 Resp: 248869

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.8
138	22.7	0.0	52.9



Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_03.D
Acq On : 27 May 2021 11:09
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 12:17:39 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

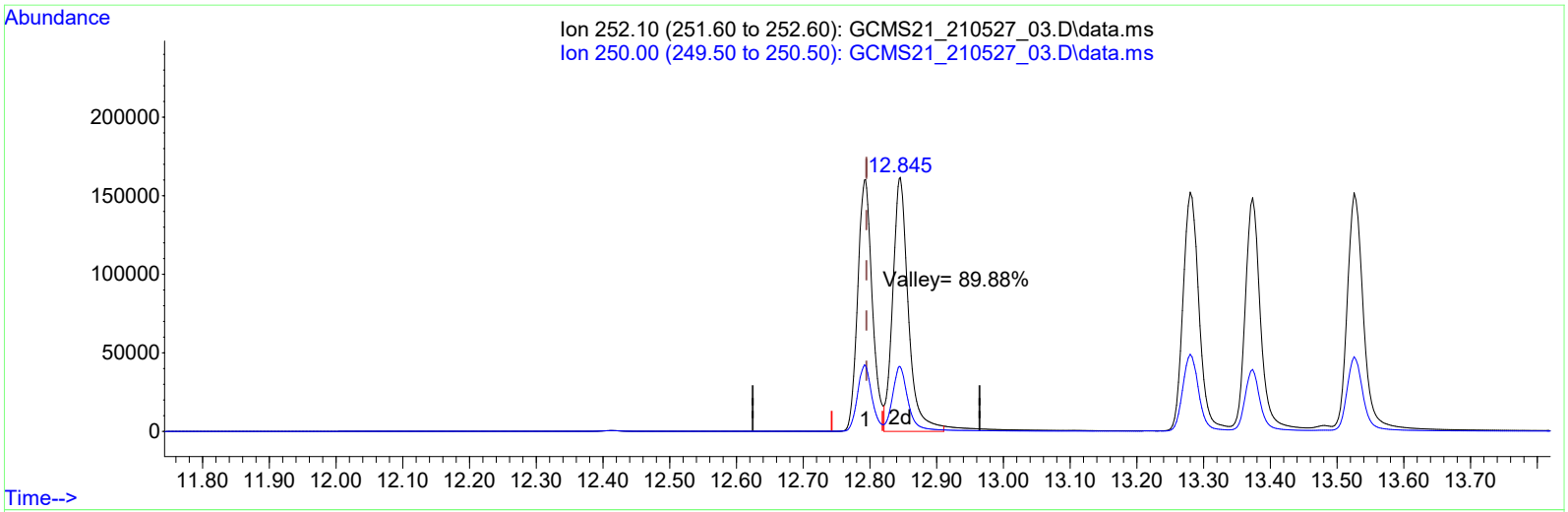
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	119	0.00
2	M	Naphthalene	250.000	201.040	19.6	96	0.00
3	S	2-Methylnaphthalene-D10	250.000	203.701	18.5	95	0.00
4	M	2-Methylnaphthalene	250.000	187.821	24.9	95	0.00
5	M	1-Methylnaphthalene	250.000	204.611	18.2	96	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	119	0.00
7	M	Acenaphthylene	250.000	188.504	24.6	95	0.00
8	M	Acenaphthene	250.000	191.282	23.5	96	0.00
9	S	Fluorene-D10	250.000	196.390	21.4	96	0.00
10	M	Fluorene	250.000	192.372	23.1	95	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	122	0.00
12	M	Phenanthrene	250.000	184.972	26.0	97	0.00
13	M	Anthracene	250.000	190.173	23.9	96	0.00
14	S	Fluoranthene-D10	250.000	202.771	18.9	98	0.00
15	M	Fluoranthene	250.000	189.898	24.0	97	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	122	0.00
17	S	Pyrene-D10	250.000	199.844	20.1	97	0.00
18	M	Pyrene	250.000	188.341	24.7	97	0.00
19	M	Benzo(a)anthracene	250.000	204.218	18.3	102	0.00
20	M	Chrysene	250.000	190.925	23.6	100	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	122	0.00
22	M	Benzo(b)fluoranthene	250.000	190.108	24.0	99	0.00
23	M	Benzo(k)fluoranthene	250.000	189.276	24.3	100	0.00
24	NR	benzo(b+k)fluoranthene (sum	500.000	371.315	25.7	100	0.00
25	M	Benzo(e)pyrene	250.000	197.587	21.0	99	0.00
26	S	Benzo(a)pyrene-D12	250.000	201.062	19.6	97	0.00
27	M	Benzo(a)pyrene	250.000	193.830	22.5	96	0.00
28	M	Perylene	250.000	201.541	19.4	99	0.00
29	M	Indeno(1,2,3-cd)pyrene	250.000	195.406	21.8	100	0.00
30	M	Dibenz(a,h)anthracene	250.000	201.359	19.5	99	0.00
31	M	Benzo(g,h,i)perylene	250.000	192.972	22.8	100	0.00

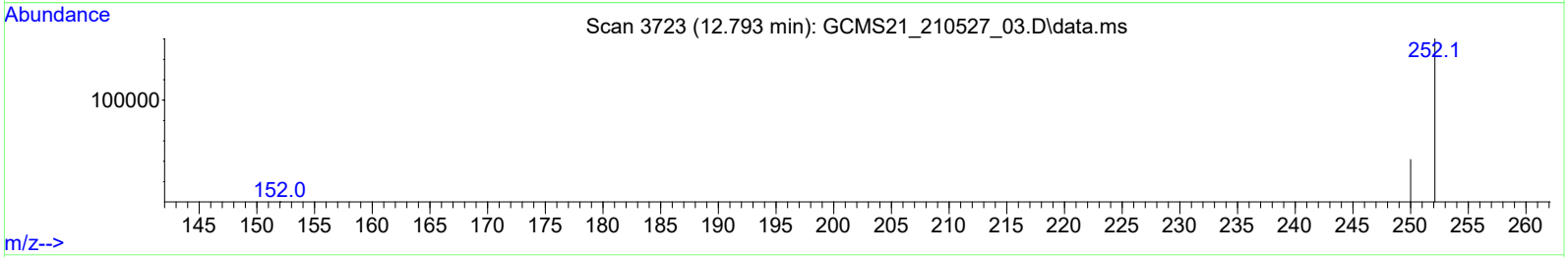
(#) = Out of Range SPCC's out = 0 CCC's out = 0

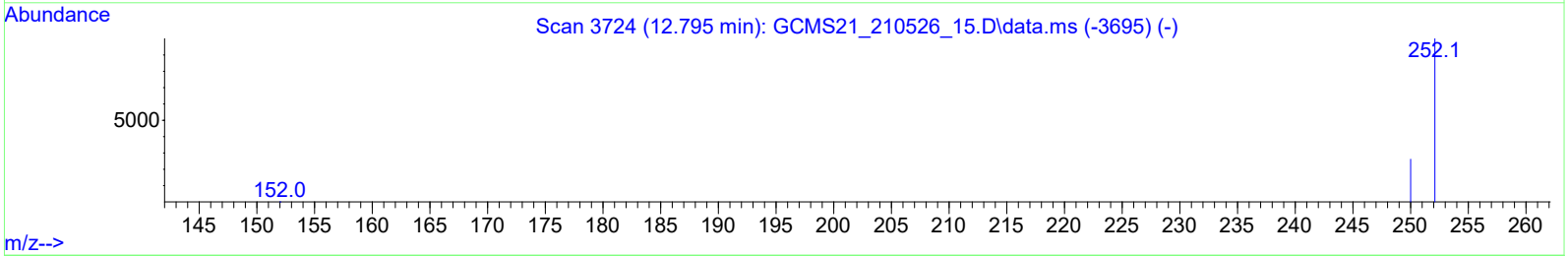
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210527
... 006\
Data File : GCMS21_210527_03.D
Acq On : 27 May 2021 11:09 am
Operator : MN GCMS21
Sample : 21F0704-CCV1
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 12:17:39 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_03.D\data.ms

(22) Benzo(b)fluoranthene (M)

12.793min (-0.002) 190.11 ng/mL

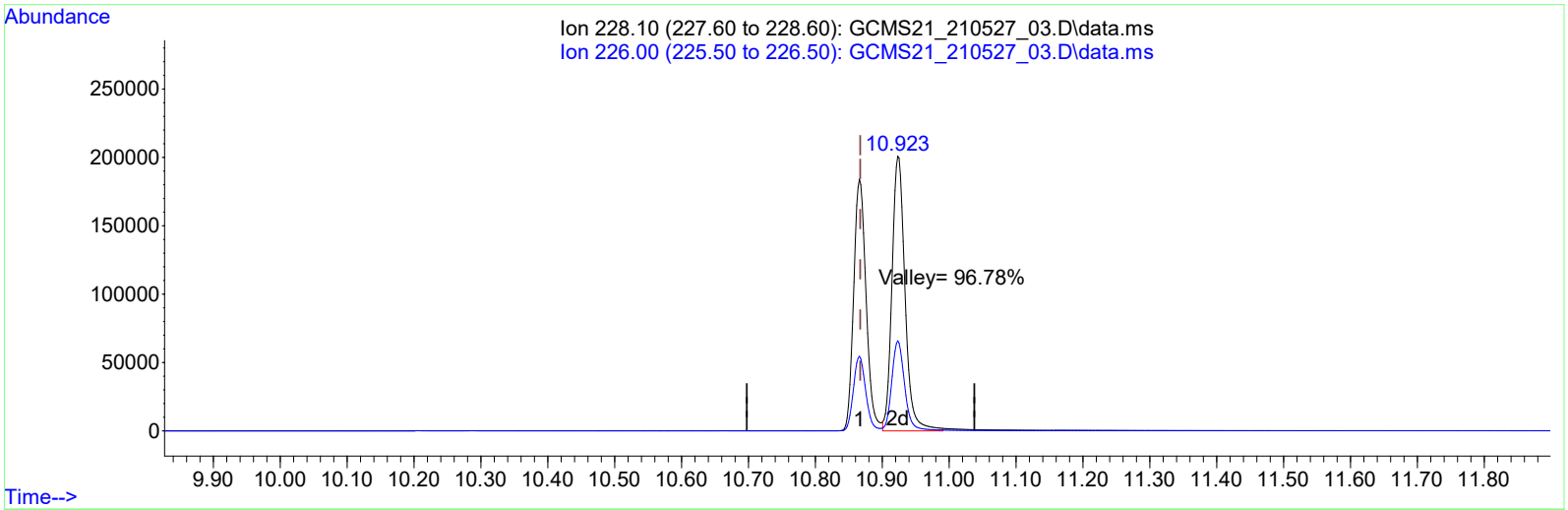
response 241627

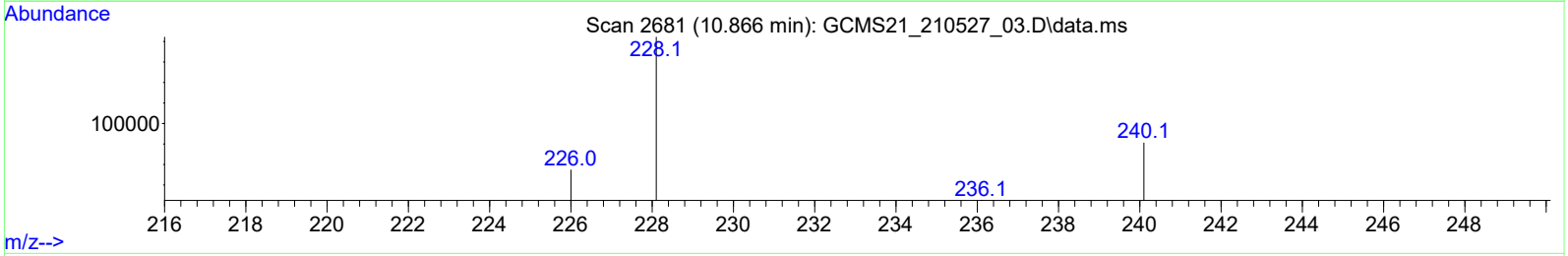
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	26.20	26.18
0.00	0.00	0.00
0.00	0.00	0.00

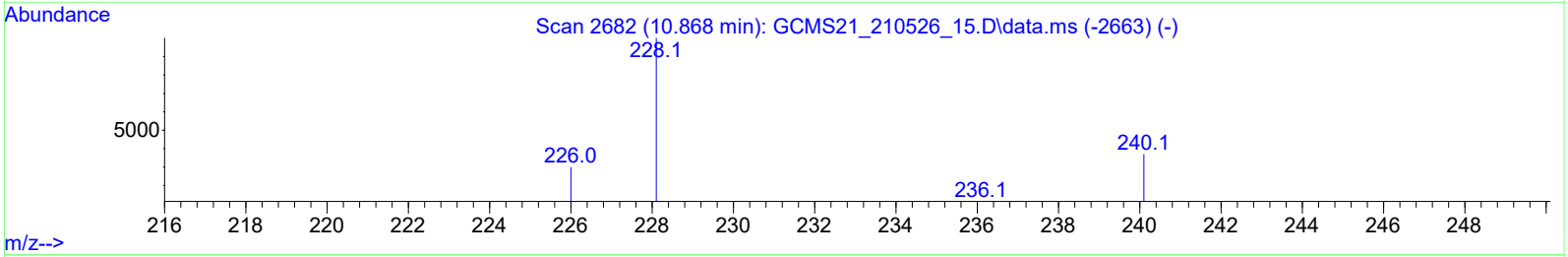
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_03.D
Acq On : 27 May 2021 11:09
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 12:17:39 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_03.D\data.ms

(19) Benzo(a)anthracene (M)

10.866min (-0.002) 204.22 ng/mL

response 237409

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	29.38
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_20.D
Acq On : 27 May 2021 20:00
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21B0107
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 11:34:16 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

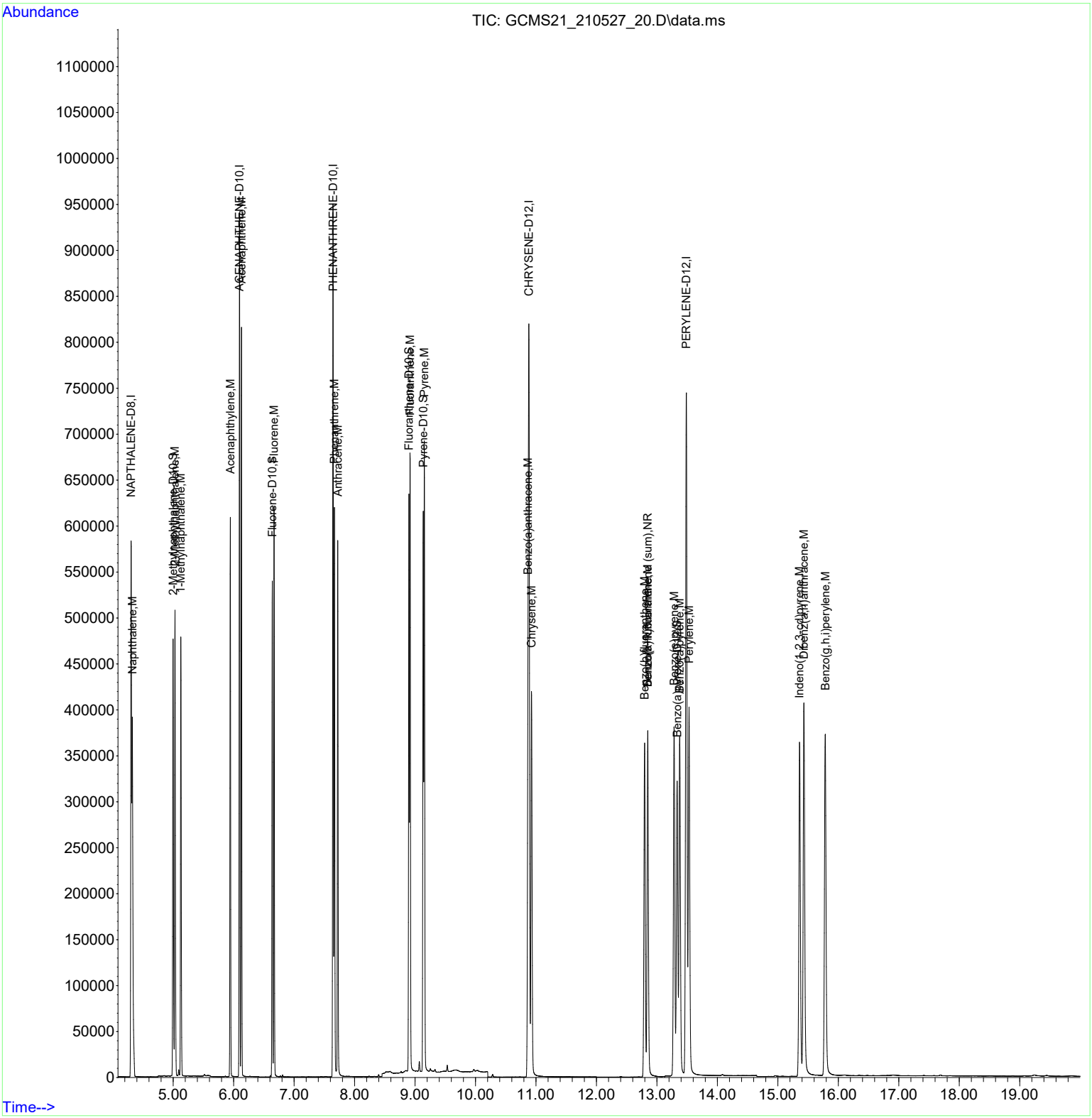
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	606146	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	347967	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	692454	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.885	240	721248	500.00	ng/mL	0.00
21) PERYLENE-D12	13.488	264	833448	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	195119	255.77	ng/mL	0.00
9) Fluorene-D10	6.639	176	204036	244.92	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	380425	253.72	ng/mL	0.00
17) Pyrene-D10	9.135	212	391904	238.16	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.336	264	370027	273.26	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.325	128	293053	251.97	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	202706	236.66	ng/mL	99
5) 1-Methylnaphthalene	5.127	142	182310	255.54	ng/mL	98
7) Acenaphthylene	5.946	152	317329	274.77	ng/mL	99
8) Acenaphthene	6.130	153	211720	239.49	ng/mL	94
10) Fluorene	6.668	166	238677	243.92	ng/mL	100
12) Phenanthrene	7.667	178	369812	221.28	ng/mL	99
13) Anthracene	7.722	178	358995	258.34	ng/mL	99
15) Fluoranthene	8.919	202	416415	236.09	ng/mL	98
18) Pyrene	9.153	202	433825	225.69	ng/mL	99
19) Benzo(a)anthracene	10.868	228	394962	272.25	ng/mL	100
20) Chrysene	10.925	228	406258	226.83	ng/mL	100
22) Benzo(b)fluoranthene	12.797	252	428783	247.85	ng/mL	98
23) Benzo(k)fluoranthene	12.849	252	448259	233.79	ng/mL	99
24) benzo(b+k)fluoranthene...	12.849	252	877851m	466.99	ng/mL	
25) Benzo(e)pyrene	13.286	252	412534	236.42	ng/mL	99
27) Benzo(a)pyrene	13.377	252	417060	264.15	ng/mL	99
28) Perylene	13.532	252	435056	245.35	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.358	276	419323	310.36	ng/mL	99
30) Dibenz(a,h)anthracene	15.430	278	430910	320.01	ng/mL	93
31) Benzo(g,h,i)perylene	15.785	276	458688	261.29	ng/mL	99

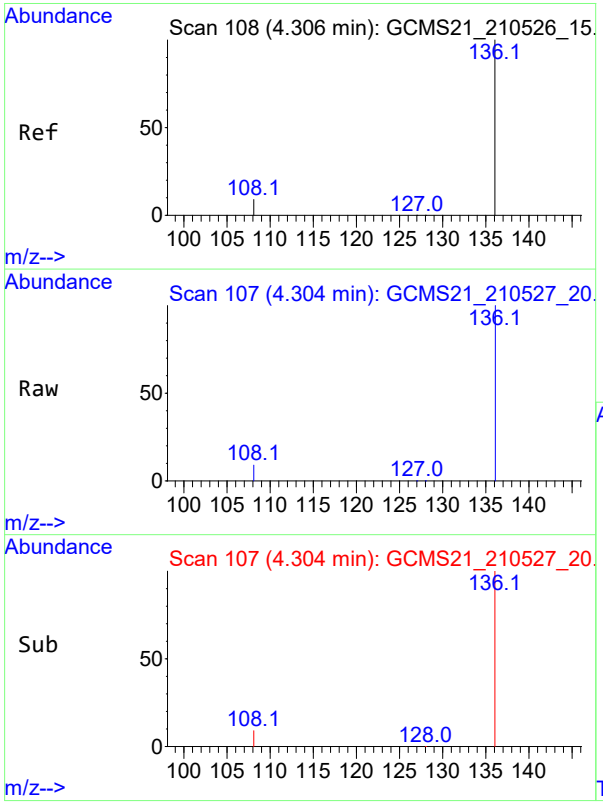
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_20.D
Acq On : 27 May 2021 20:00
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21B0107
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 11:34:16 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

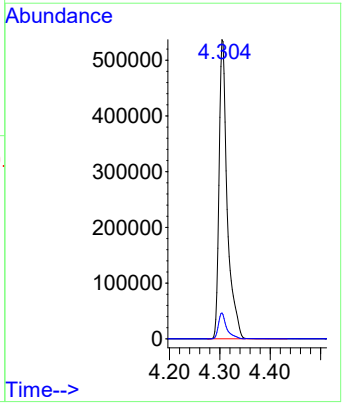


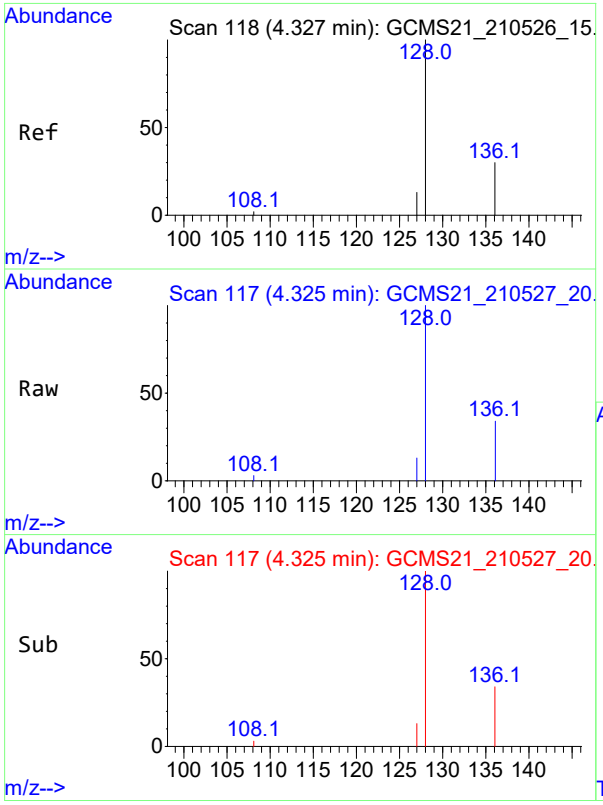


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:136 Resp: 606146

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

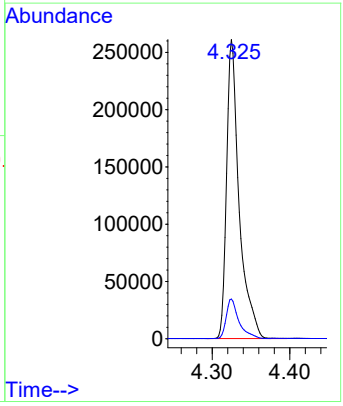


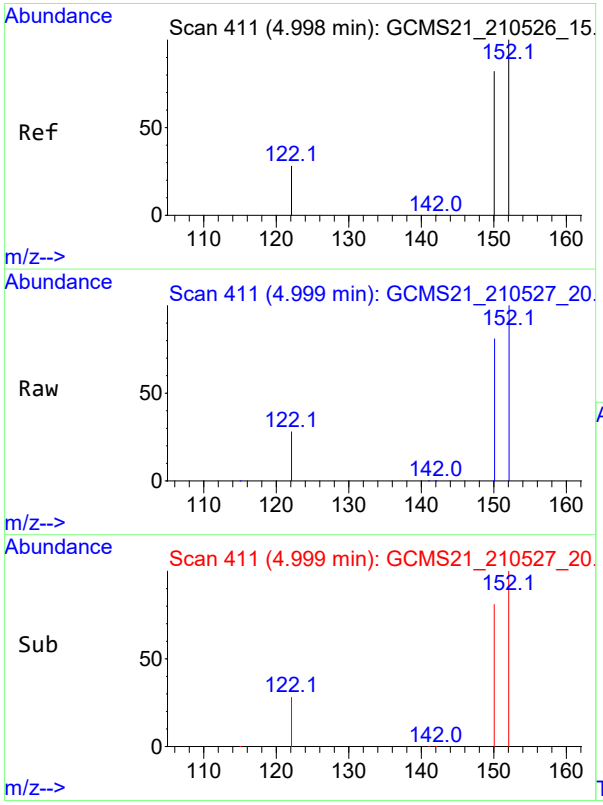


#2
Naphthalene
Concen: 251.97 ng/mL
RT: 4.325 min Scan# 117
Delta R.T. -0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:128 Resp: 293053

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.3

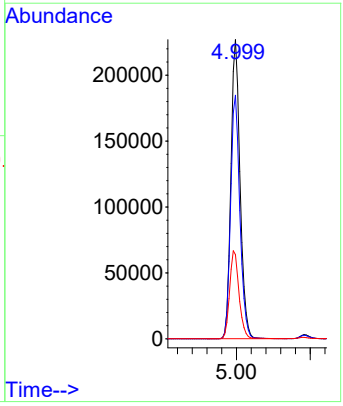


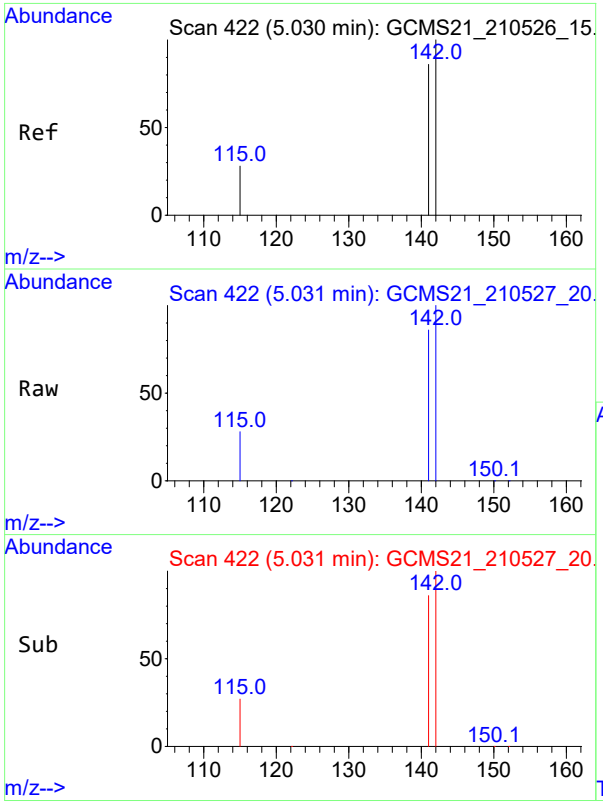


#3
2-Methylnaphthalene-D10
Concen: 255.77 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:152 Resp: 195119

Ion	Ratio	Lower	Upper
152	100		
150	82.3	52.3	112.3
122	30.1	0.0	57.5

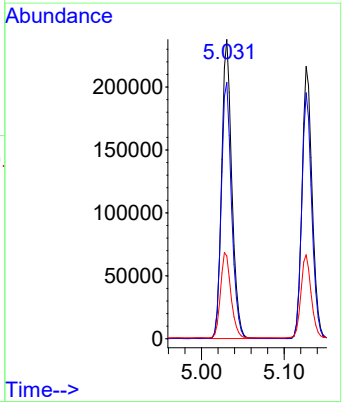


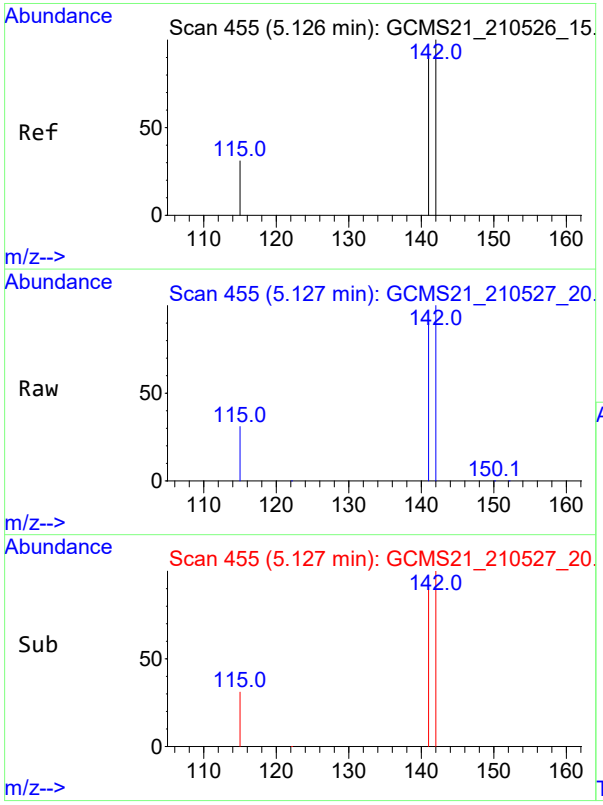


#4
2-Methylnaphthalene
Concen: 236.66 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:142 Resp: 202706

Ion	Ratio	Lower	Upper
142	100		
141	86.6	56.3	116.3
115	28.9	0.0	57.4

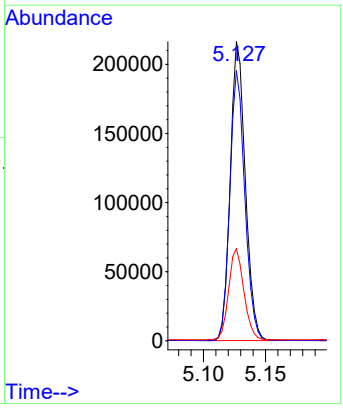


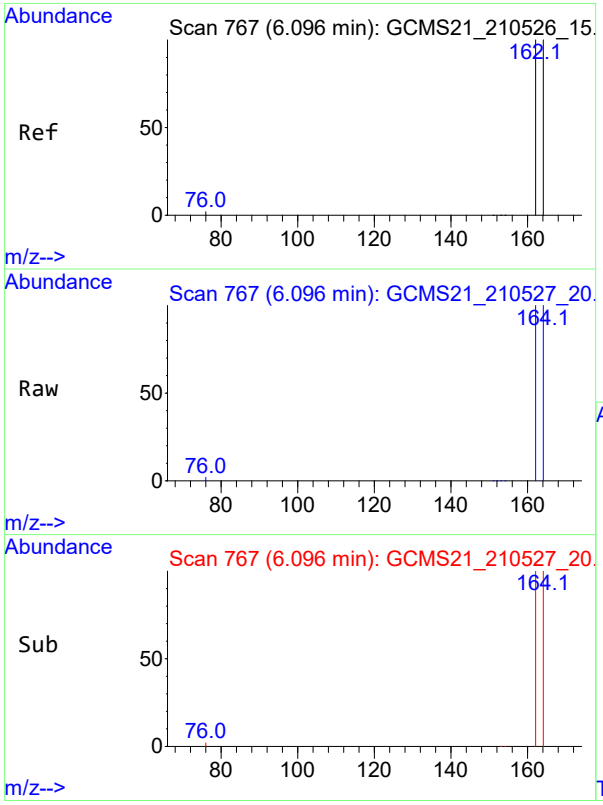


#5
1-Methylnaphthalene
Concen: 255.54 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:142 Resp: 182310

Ion	Ratio	Lower	Upper
142	100		
141	89.9	61.5	121.5
115	30.8	0.2	60.2

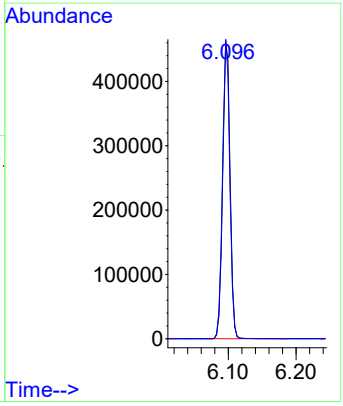


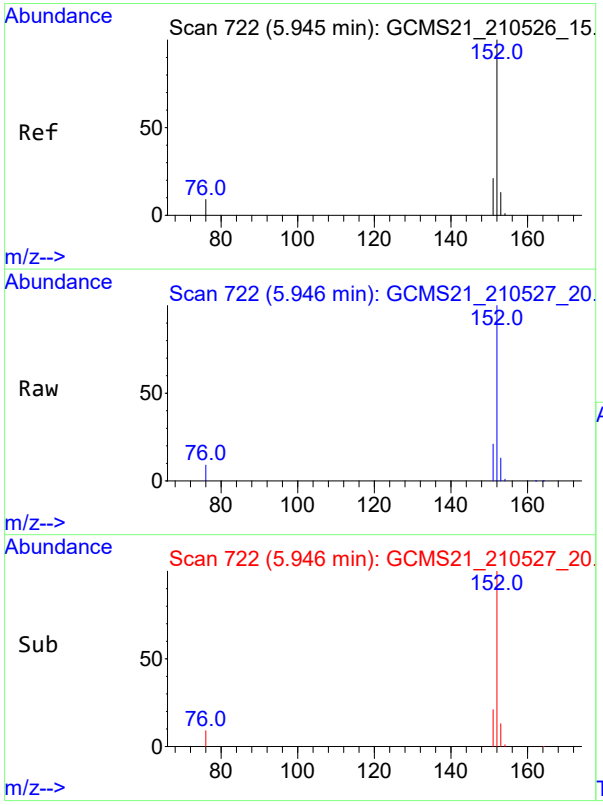


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:164 Resp: 347967

Ion	Ratio	Lower	Upper
164	100		
162	99.5	77.7	117.7

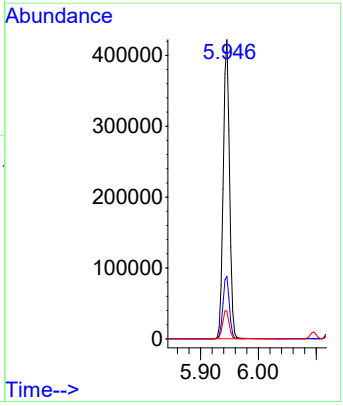


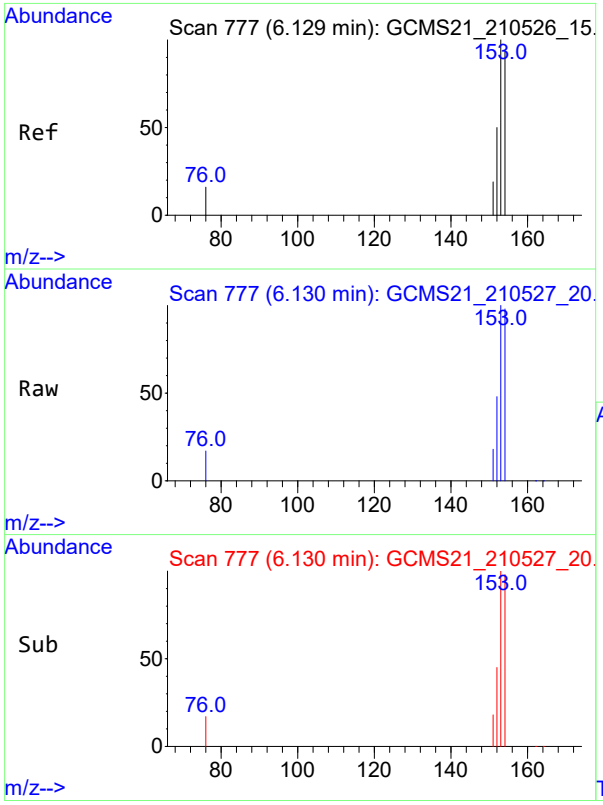


#7
Acenaphthylene
Concen: 274.77 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:152 Resp: 317329

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.0	52.0
76	9.7	0.0	39.5

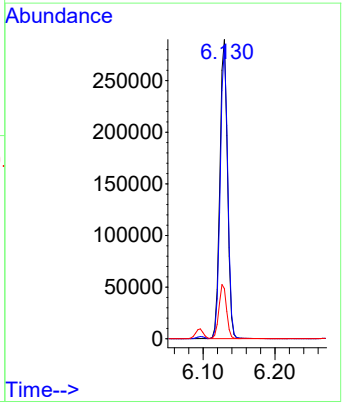


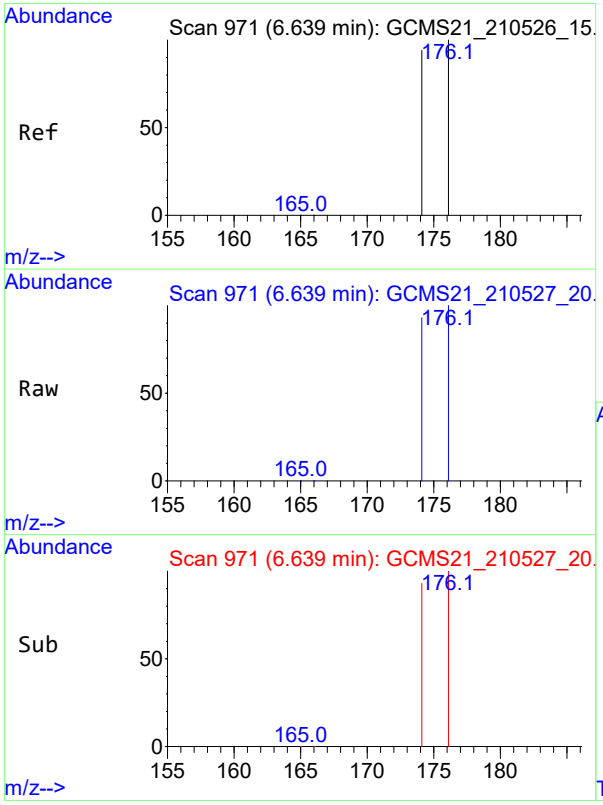


#8
Acenaphthene
Concen: 239.49 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:153 Resp: 211720

Ion	Ratio	Lower	Upper
153	100		
154	96.7	60.4	120.4
76	18.2	0.0	47.4

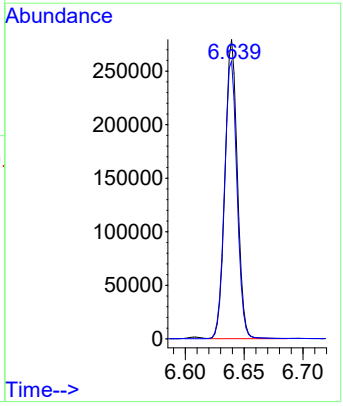


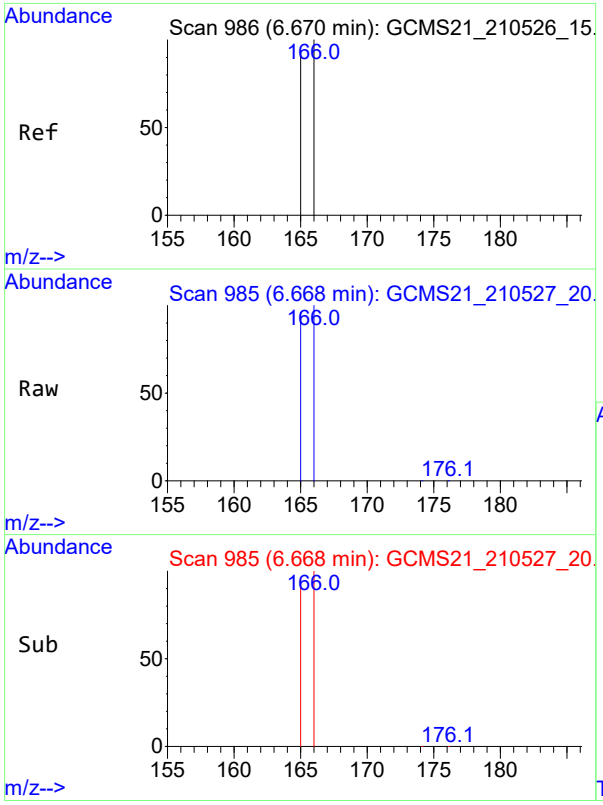


#9
Fluorene-D10
Concen: 244.92 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:176 Resp: 204036

Ion	Ratio	Lower	Upper
176	100		
174	94.3	63.9	123.9

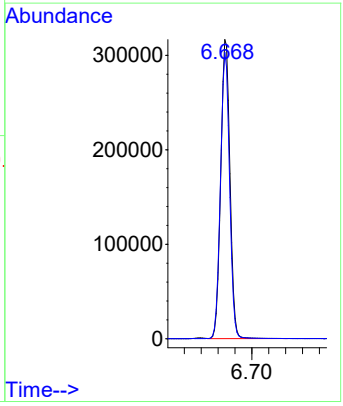


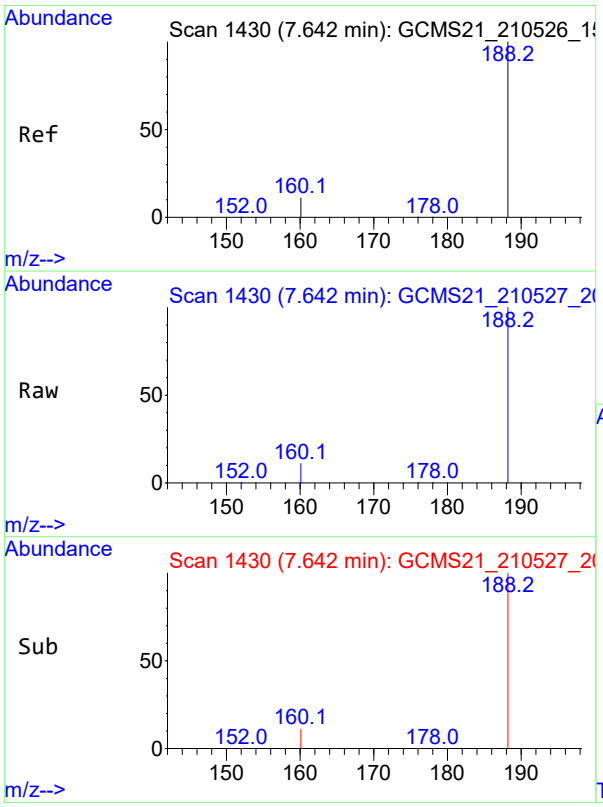


#10
Fluorene
Concen: 243.92 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:166 Resp: 238677

Ion	Ratio	Lower	Upper
166	100		
165	95.1	65.1	125.1

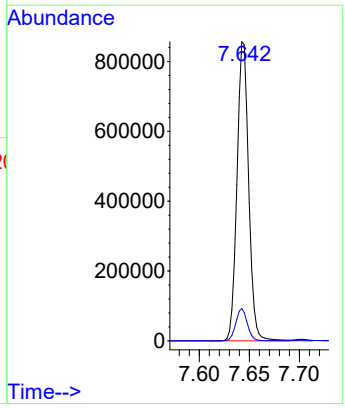


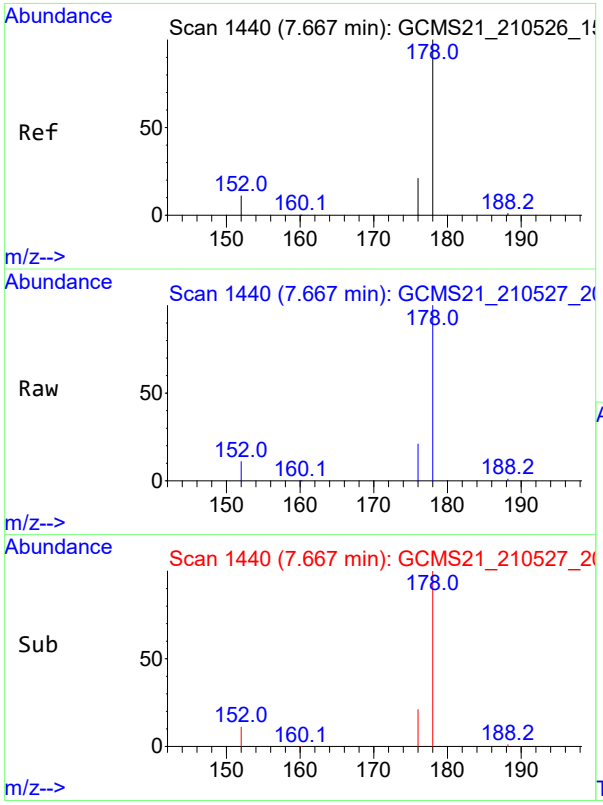


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:188 Resp: 692454

Ion	Ratio	Lower	Upper
188	100		
160	10.7	0.0	39.8

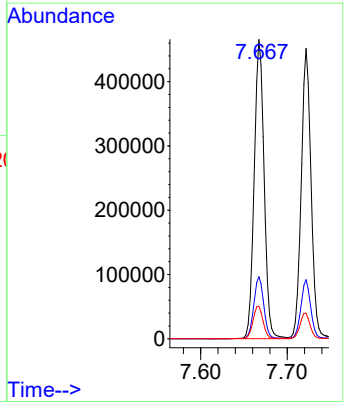


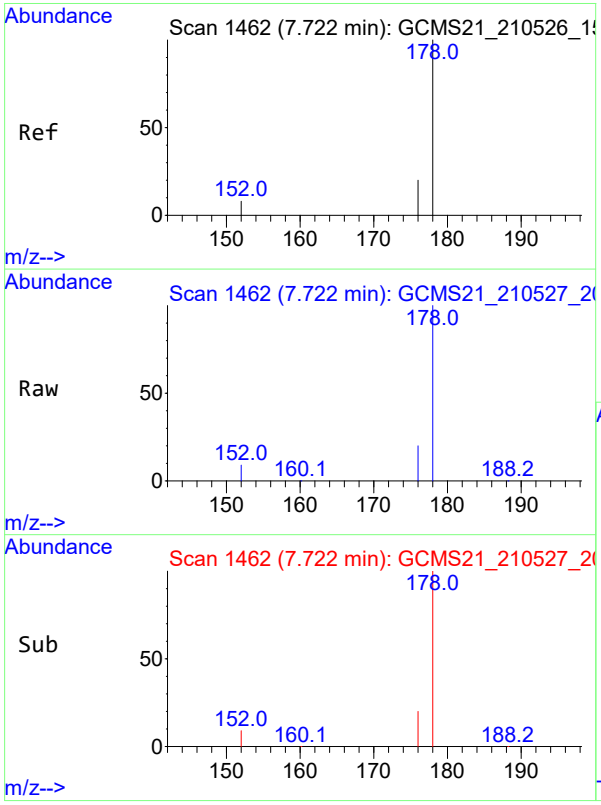


#12
Phenanthrene
Concen: 221.28 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:178 Resp: 369812

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	50.9
152	11.1	0.0	40.5

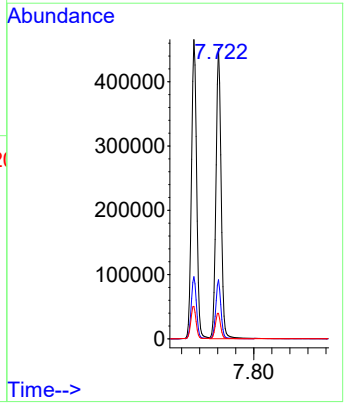


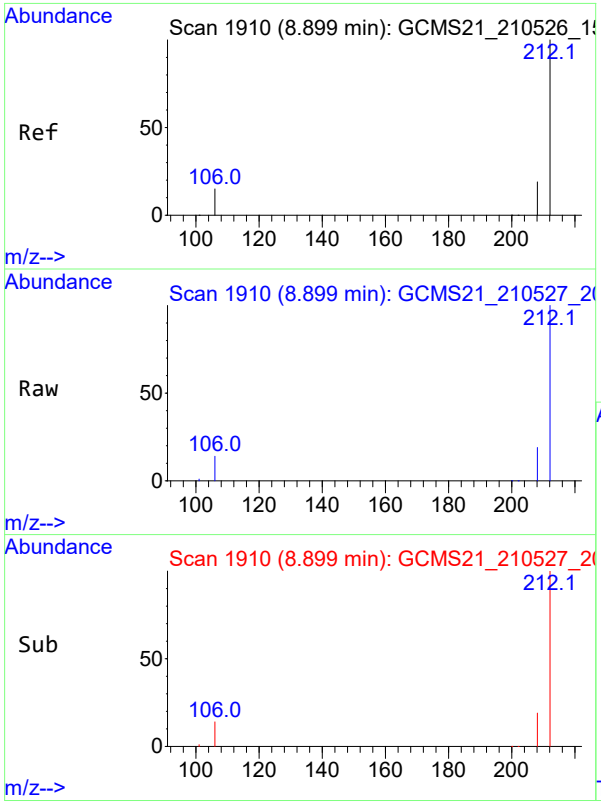


#13
Anthracene
Concen: 258.34 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:178 Resp: 358995

Ion	Ratio	Lower	Upper
178	100		
176	20.1	0.0	50.2
152	8.9	0.0	38.2

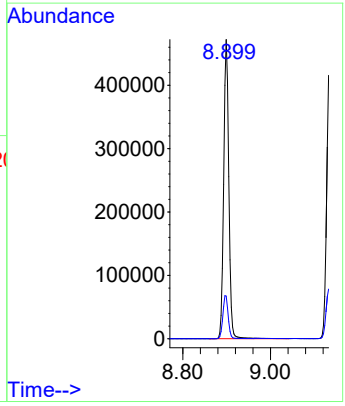


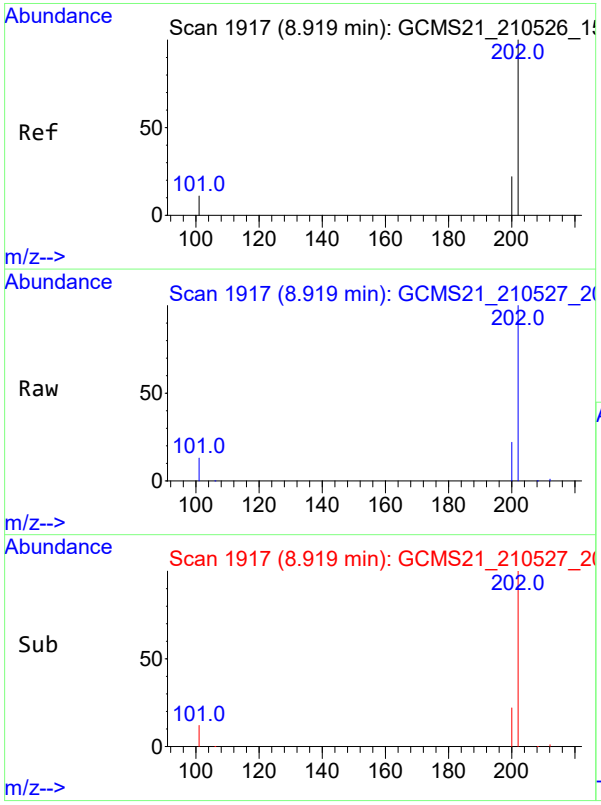


#14
Fluoranthene-D10
Concen: 253.72 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:212 Resp: 380425

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

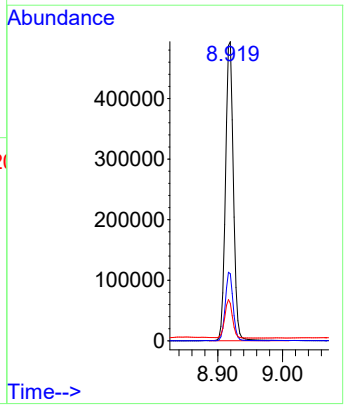


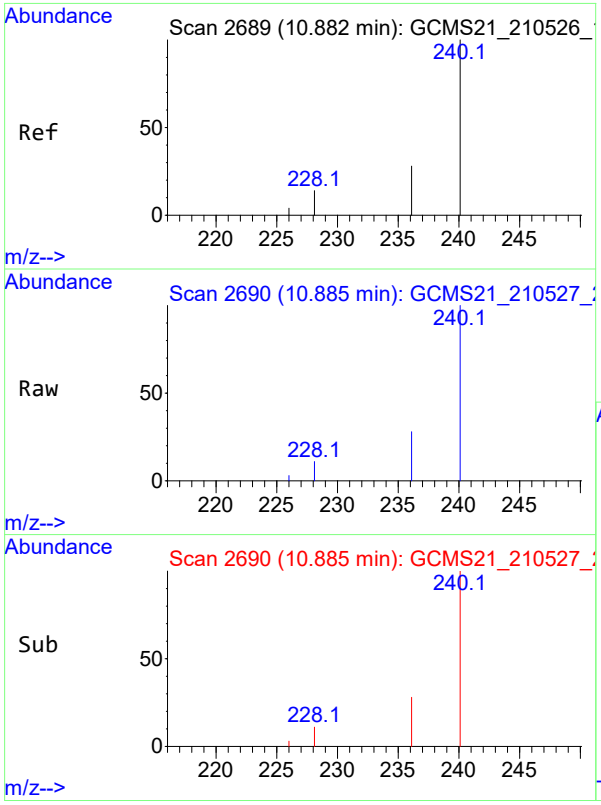


#15
Fluoranthene
Concen: 236.09 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:202 Resp: 416415

Ion	Ratio	Lower	Upper
202	100		
200	22.8	0.0	52.4
101	12.7	0.0	41.1

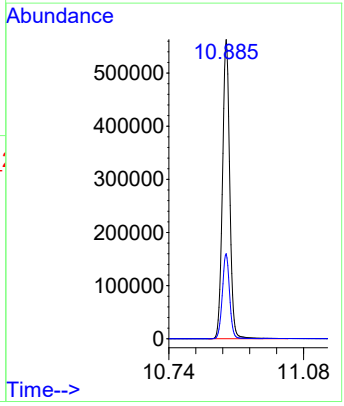


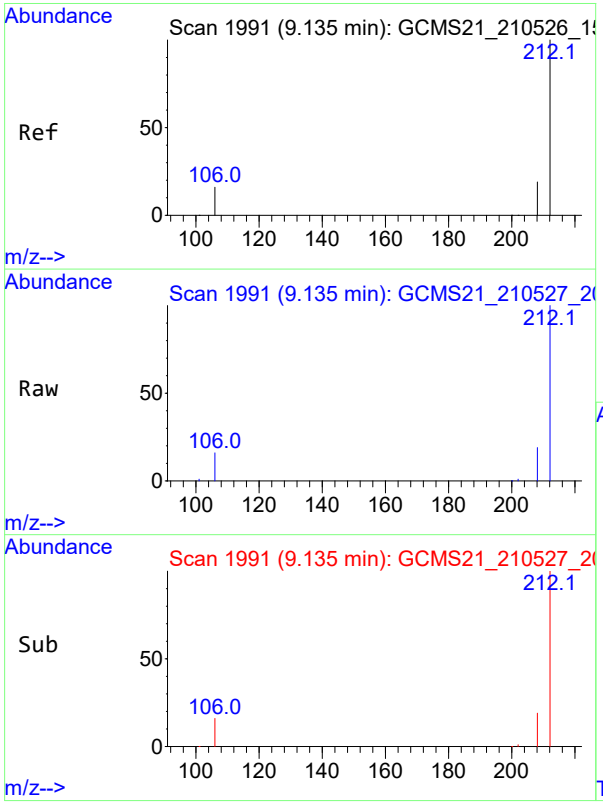


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.885 min Scan# 2690
Delta R.T. 0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:240 Resp: 721248

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

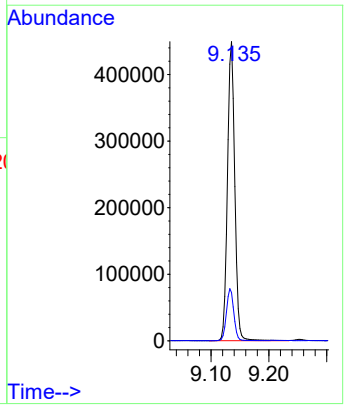


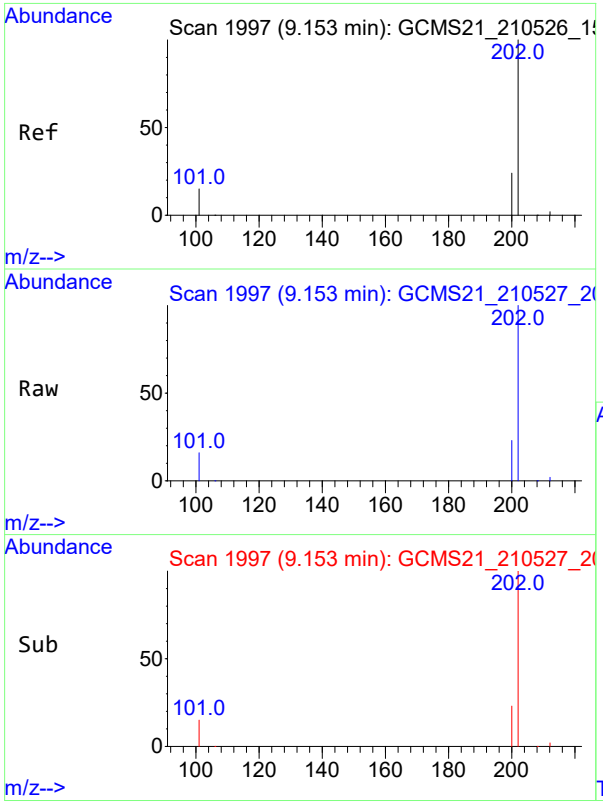


#17
Pyrene-D10
Concen: 238.16 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:212 Resp: 391904

Ion	Ratio	Lower	Upper
212	100		
106	17.7	0.0	46.2

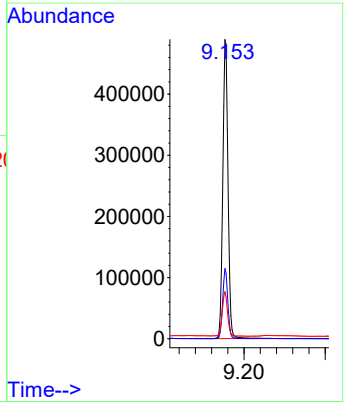


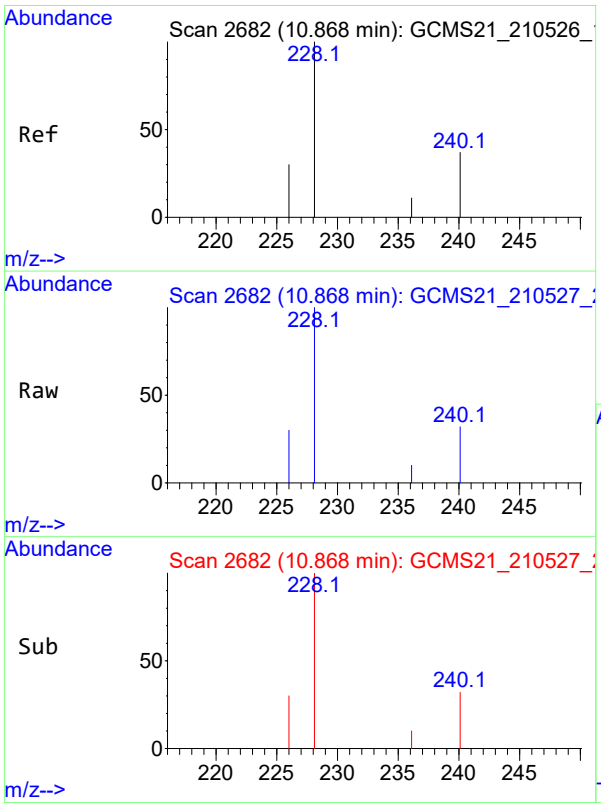


#18
Pyrene
Concen: 225.69 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:202 Resp: 433825

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.9
101	15.1	0.0	44.5

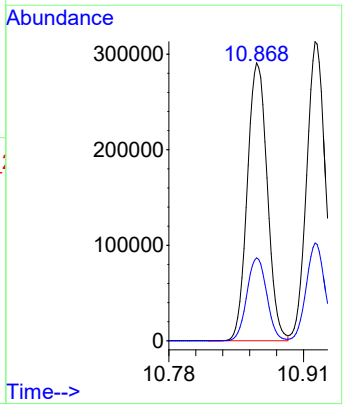


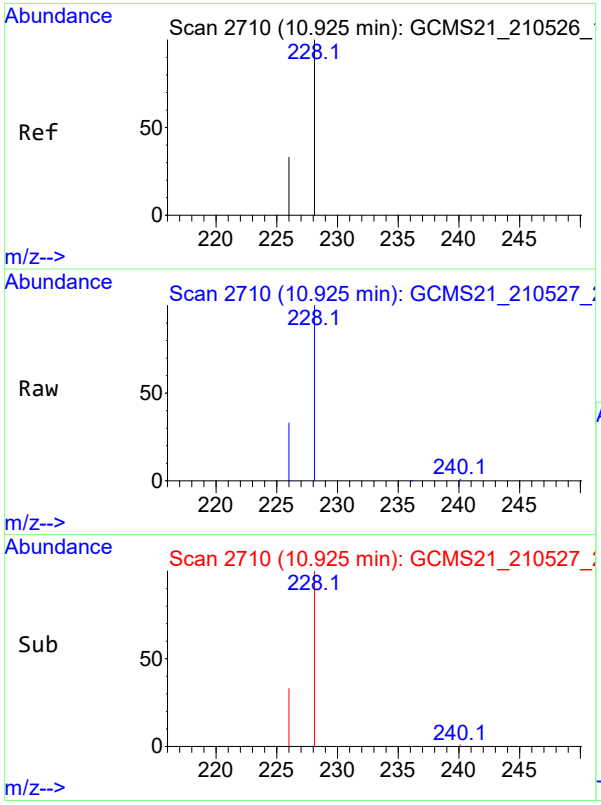


#19
Benzo(a)anthracene
Concen: 272.25 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:228 Resp: 394962

Ion	Ratio	Lower	Upper
228	100		
226	29.7	0.0	59.8

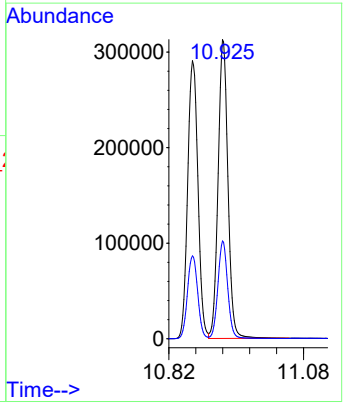


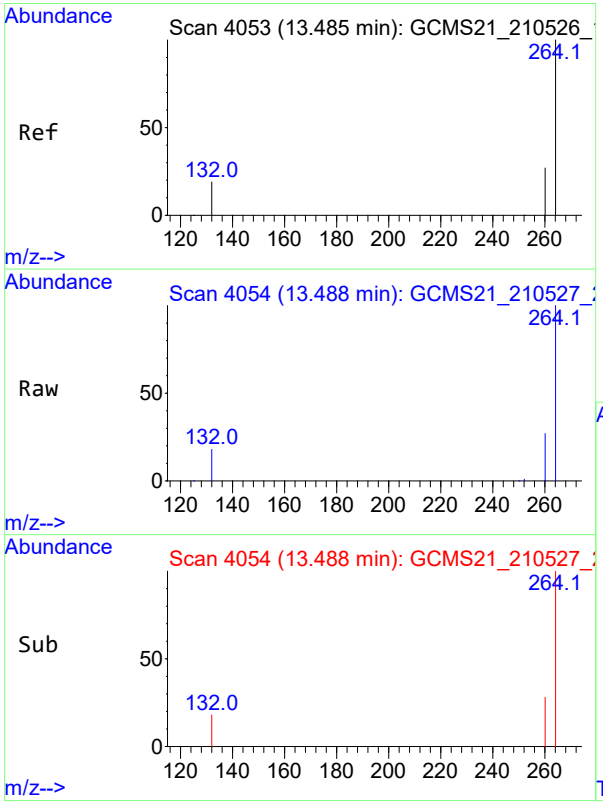


#20
Chrysene
Concen: 226.83 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:228 Resp: 406258

Ion	Ratio	Lower	Upper
228	100		
226	32.6	2.8	62.8

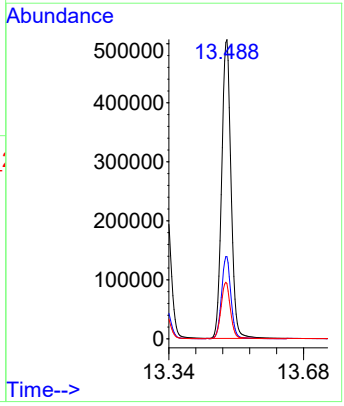


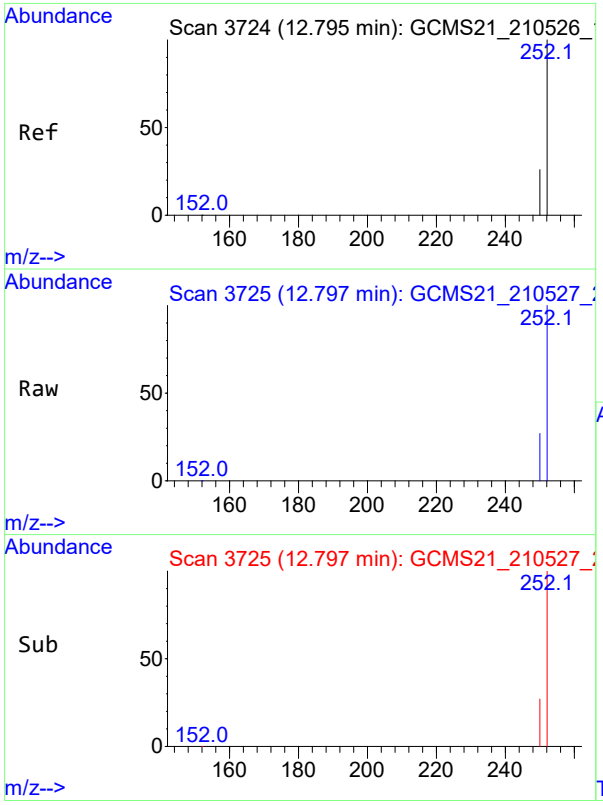


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.488 min Scan# 4054
Delta R.T. 0.003 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:264 Resp: 833448

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	18.9	0.0	49.5

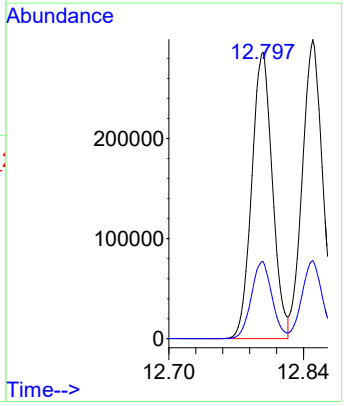


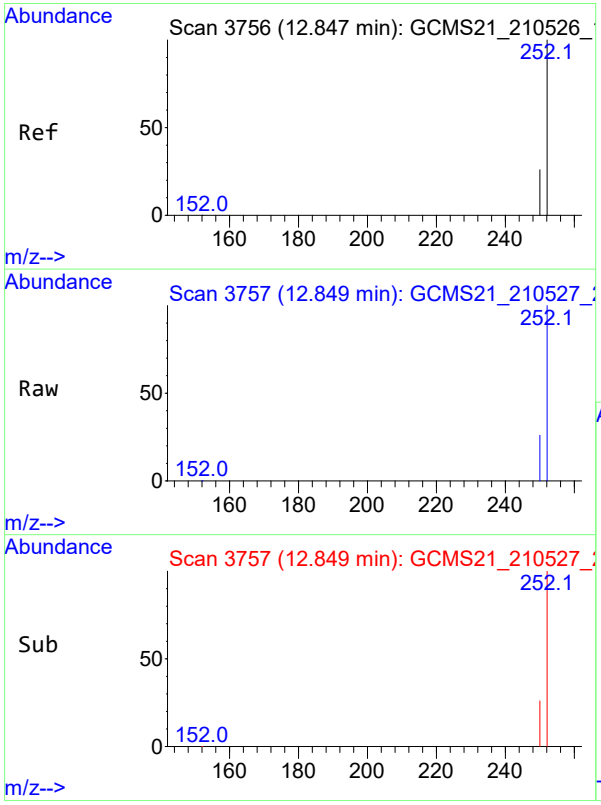


#22
Benzo(b)fluoranthene
Concen: 247.85 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 428783

Ion	Ratio	Lower	Upper
252	100		
250	27.0	0.0	56.2

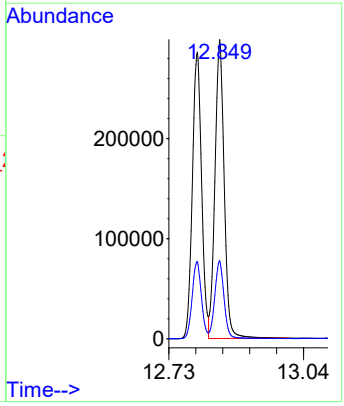


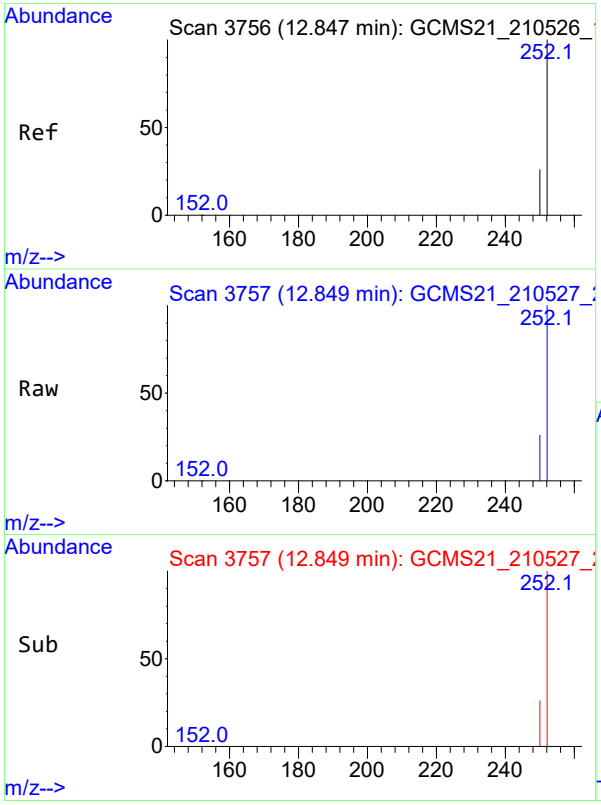


#23
Benzo(k)fluoranthene
Concen: 233.79 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 448259

Ion	Ratio	Lower	Upper
252	100		
250	25.9	0.0	55.6

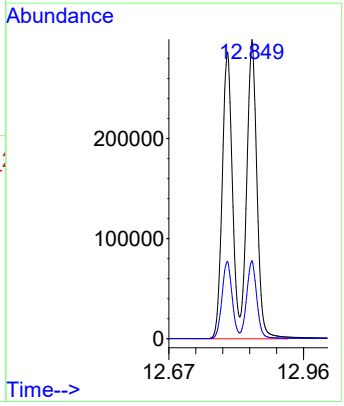


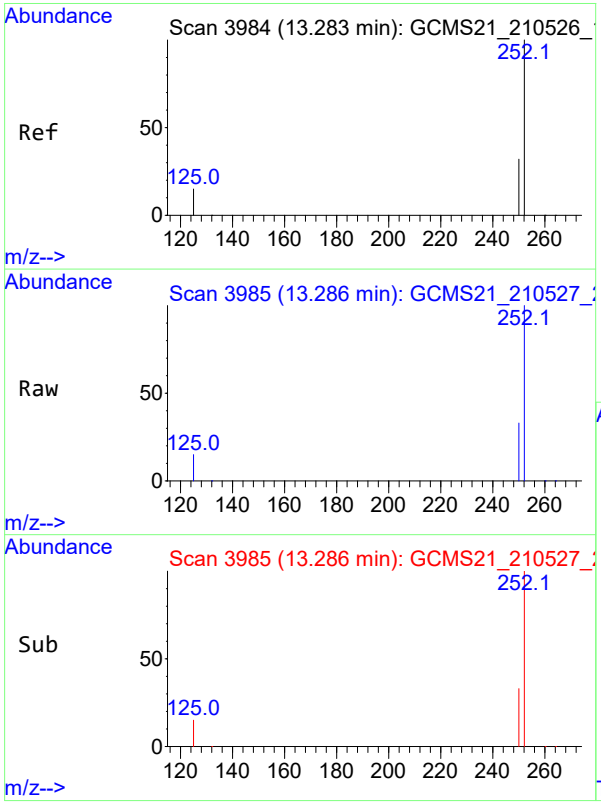


#24
benzo(b+k)fluoranthene (sum)
Concen: 466.99 ng/mL m
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 877851

Ion	Ratio	Lower	Upper
252	100		
250	26.7	0.0	55.6

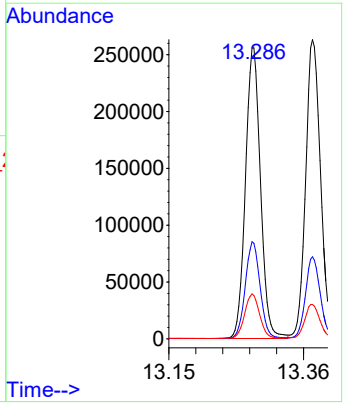


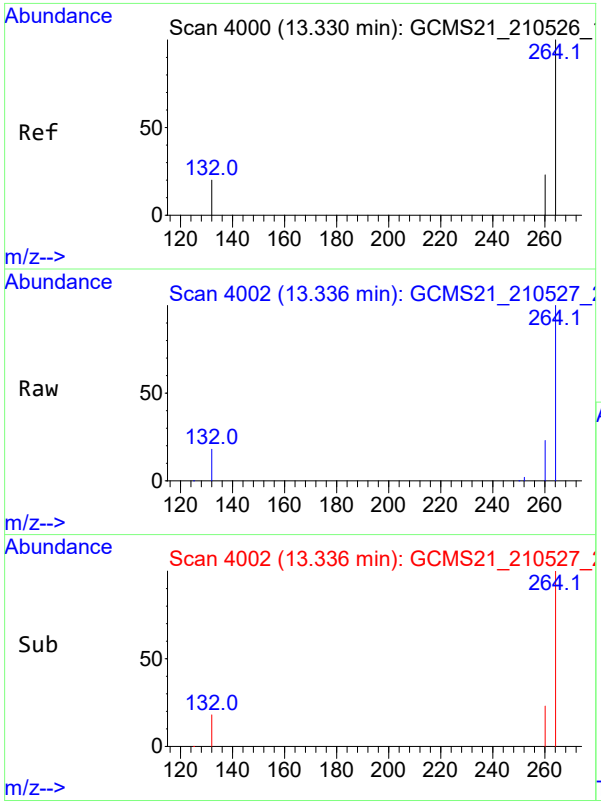


#25
Benzo(e)pyrene
Concen: 236.42 ng/mL
RT: 13.286 min Scan# 3985
Delta R.T. 0.003 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 412534

Ion	Ratio	Lower	Upper
252	100		
250	33.0	2.2	62.2
125	15.4	0.0	45.4

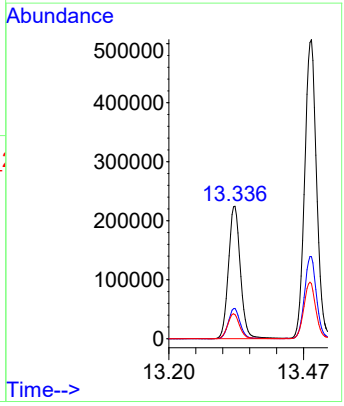


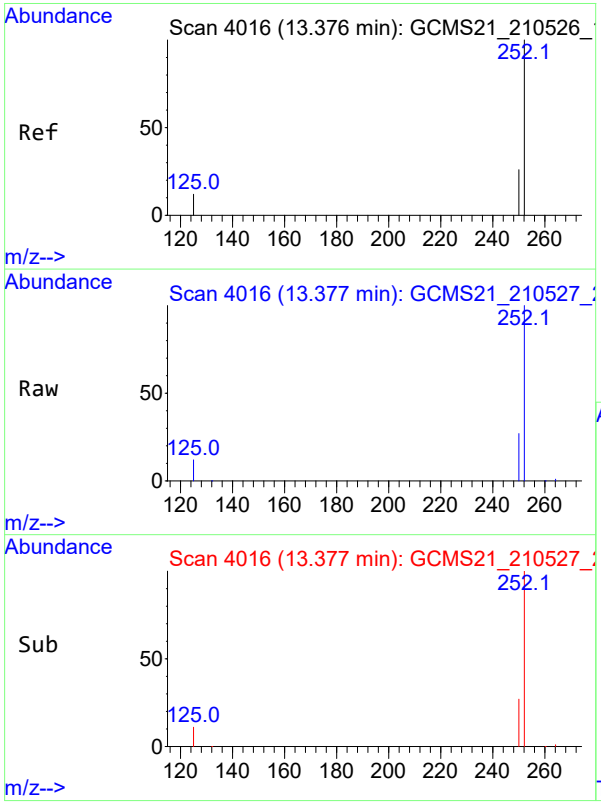


#26
Benzo(a)pyrene-D12
Concen: 273.26 ng/mL
RT: 13.336 min Scan# 4002
Delta R.T. 0.006 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:264 Resp: 370027

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.7	0.0	49.7

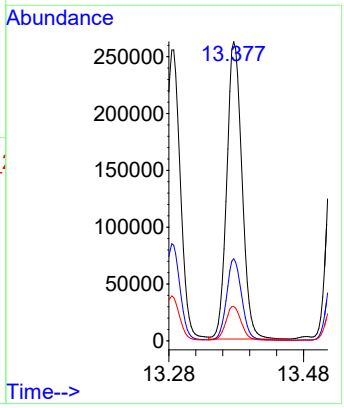


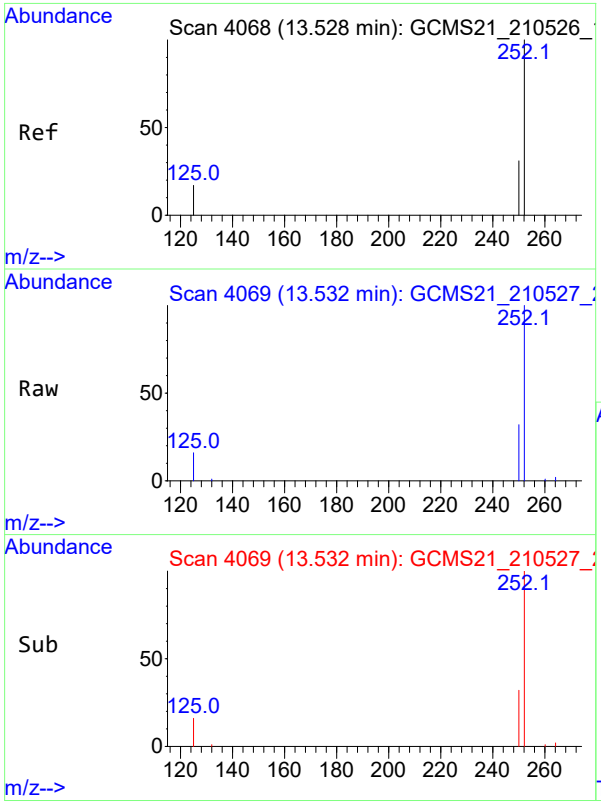


#27
Benzo(a)pyrene
Concen: 264.15 ng/mL
RT: 13.377 min Scan# 4016
Delta R.T. 0.001 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 417060

Ion	Ratio	Lower	Upper
252	100		
250	27.2	0.0	56.4
125	11.5	0.0	41.7

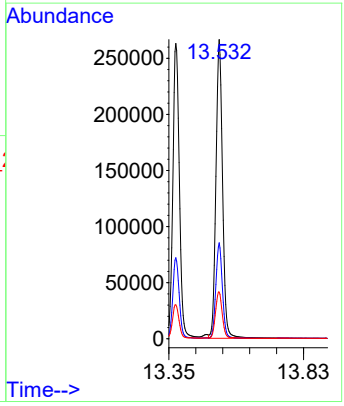


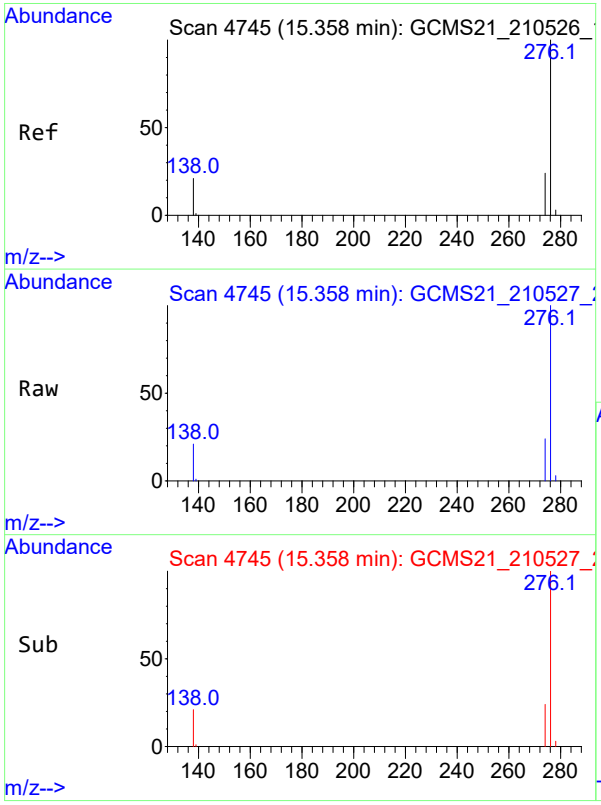


#28
Perylene
Concen: 245.35 ng/mL
RT: 13.532 min Scan# 4069
Delta R.T. 0.004 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 435056

Ion	Ratio	Lower	Upper
252	100		
250	32.1	1.5	61.5
125	15.9	0.0	46.6

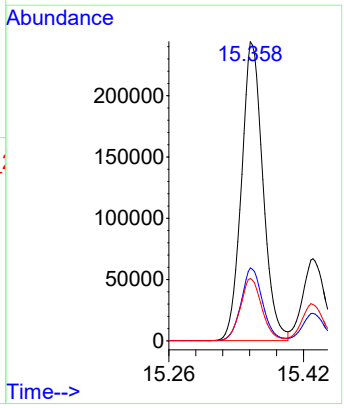


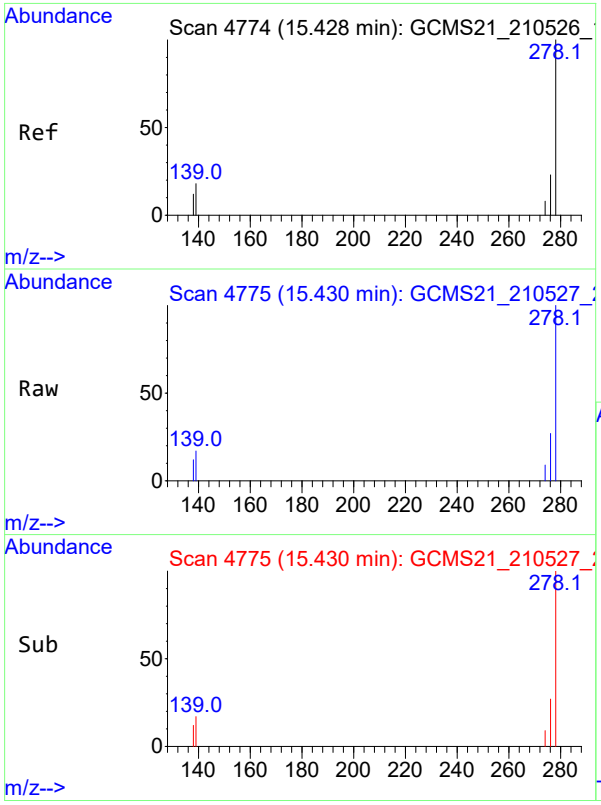


#29
Indeno(1,2,3-cd)pyrene
Concen: 310.36 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:276 Resp: 419323

Ion	Ratio	Lower	Upper
276	100		
274	24.2	0.0	53.8
138	20.7	0.0	50.7

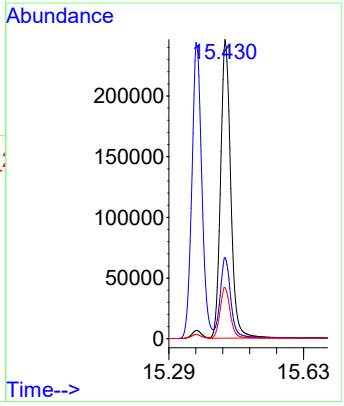


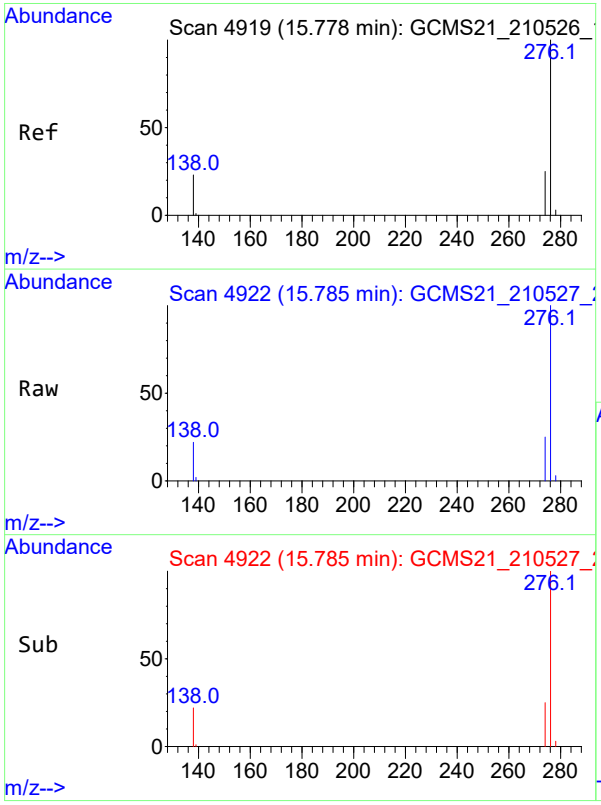


#30
Dibenz(a,h)anthracene
Concen: 320.01 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:278 Resp: 430910

Ion	Ratio	Lower	Upper
278	100		
276	28.6	0.0	52.8
139	16.9	0.0	47.6

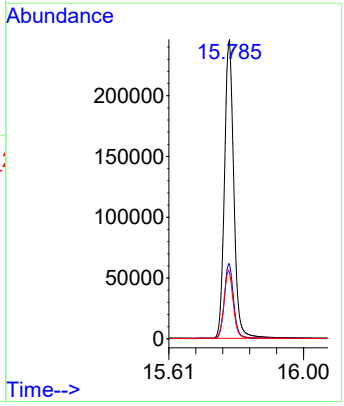




#31
Benzo(g,h,i)perylene
Concen: 261.29 ng/mL
RT: 15.785 min Scan# 4922
Delta R.T. 0.007 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:276 Resp: 458688

Ion	Ratio	Lower	Upper
276	100		
274	25.0	0.0	54.8
138	22.4	0.0	52.9



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_20.D
Acq On : 27 May 2021 20:00
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21B0107
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 11:34:16 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

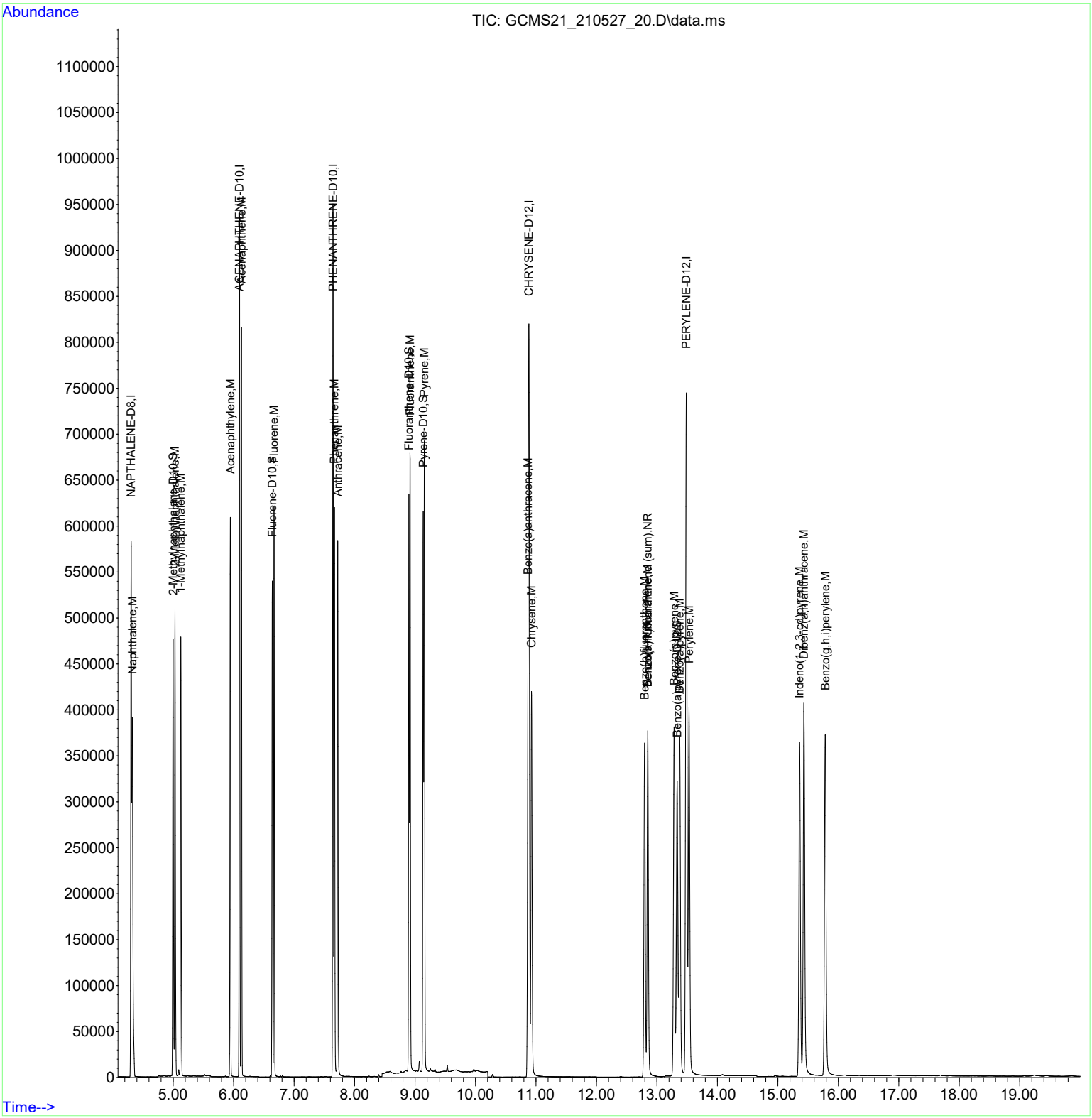
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.304	136	606146	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	347967	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	692454	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.885	240	721248	500.00	ng/mL	0.00
21) PERYLENE-D12	13.488	264	833448	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.999	152	195119	255.77	ng/mL	0.00
9) Fluorene-D10	6.639	176	204036	244.92	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	380425	253.72	ng/mL	0.00
17) Pyrene-D10	9.135	212	391904	238.16	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.336	264	370027	273.26	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.325	128	293053	251.97	ng/mL	100
4) 2-Methylnaphthalene	5.031	142	202706	236.66	ng/mL	99
5) 1-Methylnaphthalene	5.127	142	182310	255.54	ng/mL	98
7) Acenaphthylene	5.946	152	317329	274.77	ng/mL	99
8) Acenaphthene	6.130	153	211720	239.49	ng/mL	94
10) Fluorene	6.668	166	238677	243.92	ng/mL	100
12) Phenanthrene	7.667	178	369812	221.28	ng/mL	99
13) Anthracene	7.722	178	358995	258.34	ng/mL	99
15) Fluoranthene	8.919	202	416415	236.09	ng/mL	98
18) Pyrene	9.153	202	433825	225.69	ng/mL	99
19) Benzo(a)anthracene	10.868	228	394962	272.25	ng/mL	100
20) Chrysene	10.925	228	406258	226.83	ng/mL	100
22) Benzo(b)fluoranthene	12.797	252	428783	247.85	ng/mL	98
23) Benzo(k)fluoranthene	12.849	252	448259	233.79	ng/mL	99
24) benzo(b+k)fluoranthene...	12.849	252	448259	238.46	ng/mL	99
25) Benzo(e)pyrene	13.286	252	412534	236.42	ng/mL	99
27) Benzo(a)pyrene	13.377	252	417060	264.15	ng/mL	99
28) Perylene	13.532	252	435056	245.35	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.358	276	419323	310.36	ng/mL	99
30) Dibenz(a,h)anthracene	15.430	278	430910	320.01	ng/mL	93
31) Benzo(g,h,i)perylene	15.785	276	458688	261.29	ng/mL	99

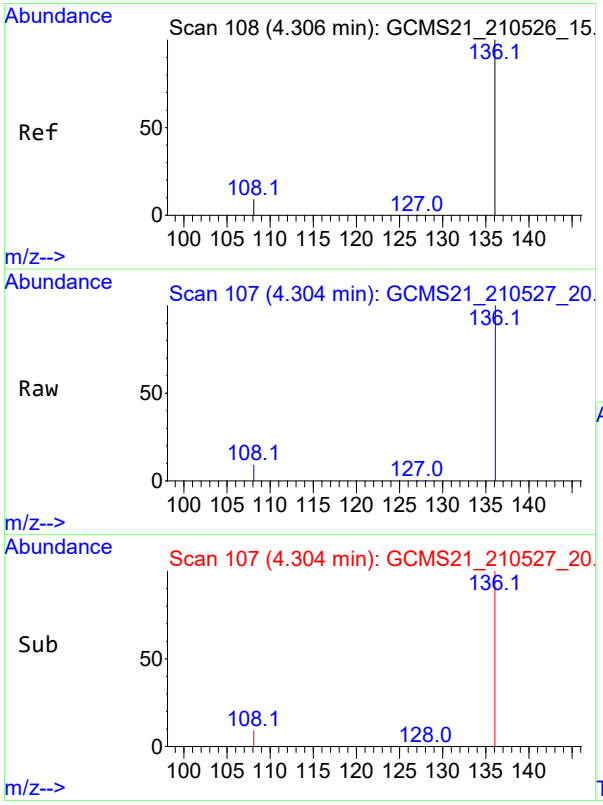
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_20.D
Acq On : 27 May 2021 20:00
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21B0107
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 11:34:16 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

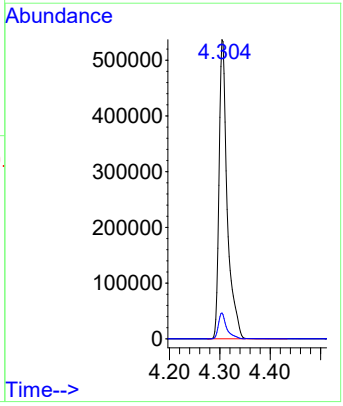


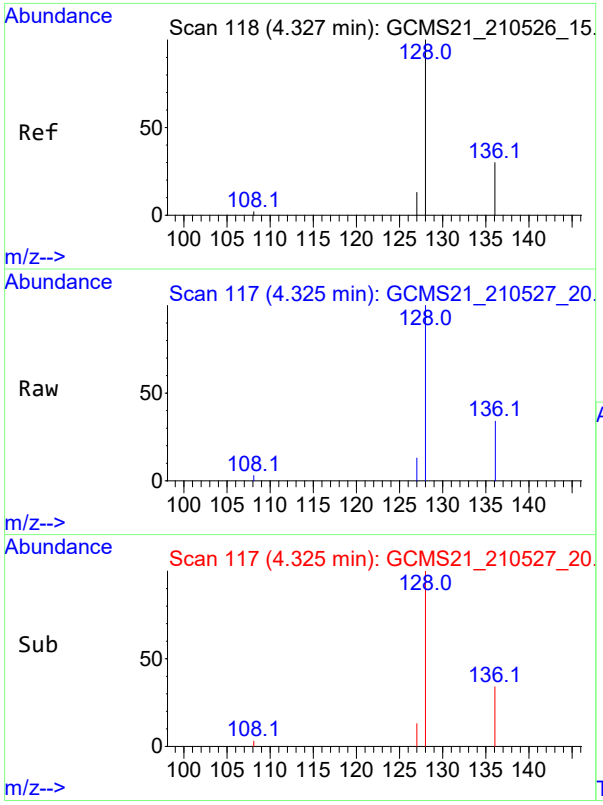


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:136 Resp: 606146

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

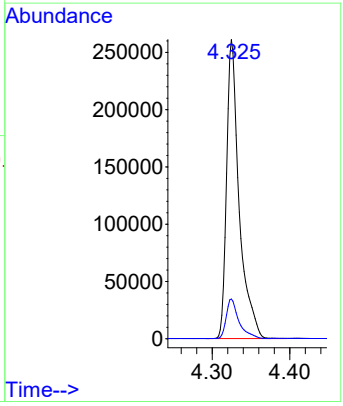


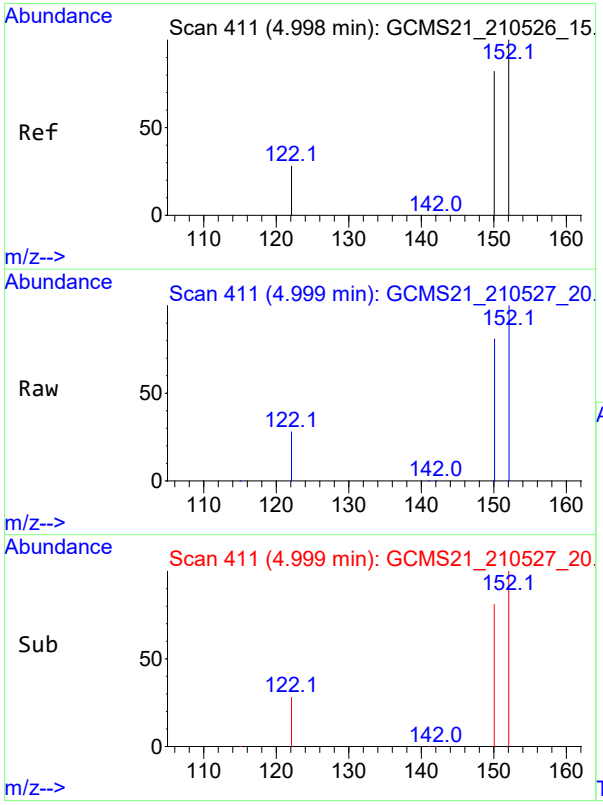


#2
Naphthalene
Concen: 251.97 ng/mL
RT: 4.325 min Scan# 117
Delta R.T. -0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:128 Resp: 293053

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.3

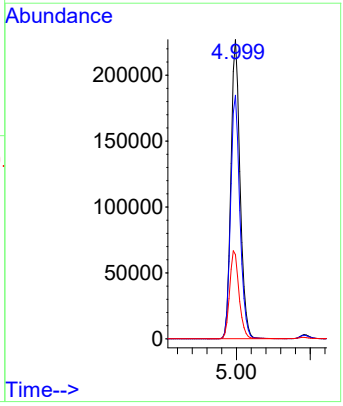


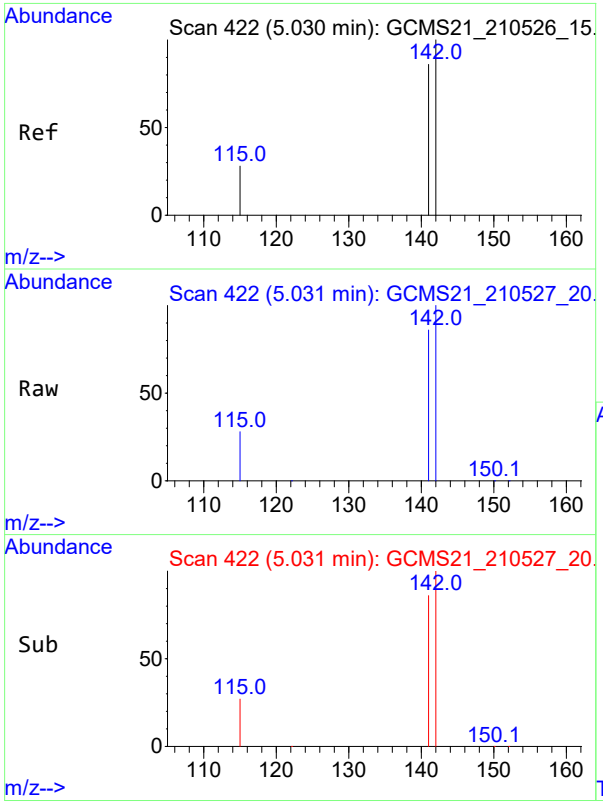


#3
2-Methylnaphthalene-D10
Concen: 255.77 ng/mL
RT: 4.999 min Scan# 411
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:152 Resp: 195119

Ion	Ratio	Lower	Upper
152	100		
150	82.3	52.3	112.3
122	30.1	0.0	57.5

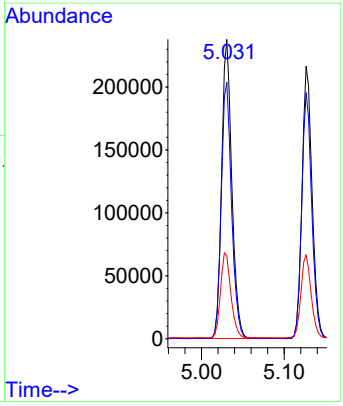


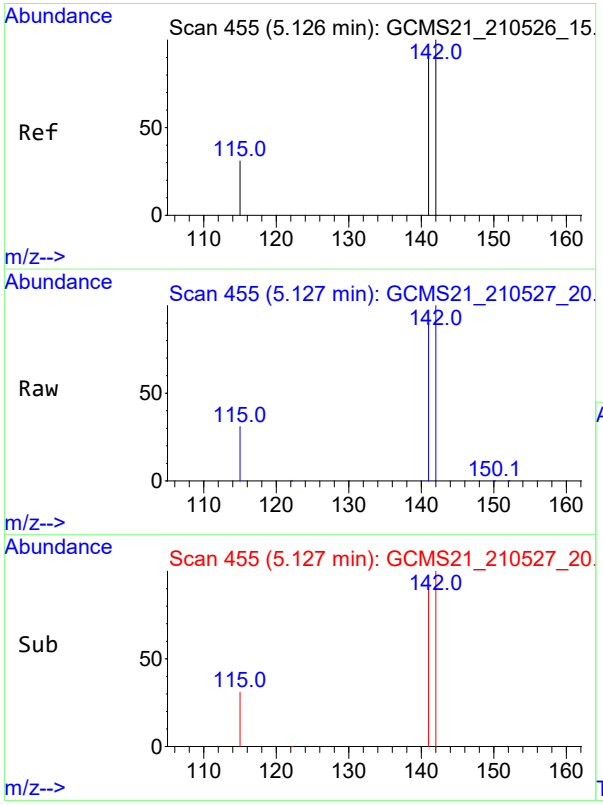


#4
2-Methylnaphthalene
Concen: 236.66 ng/mL
RT: 5.031 min Scan# 422
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:142 Resp: 202706

Ion	Ratio	Lower	Upper
142	100		
141	86.6	56.3	116.3
115	28.9	0.0	57.4

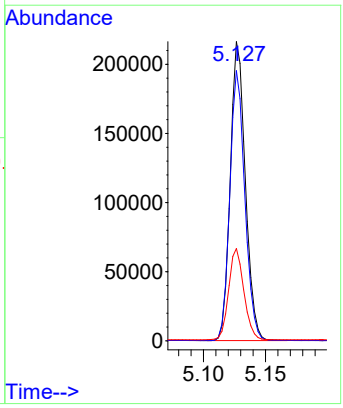


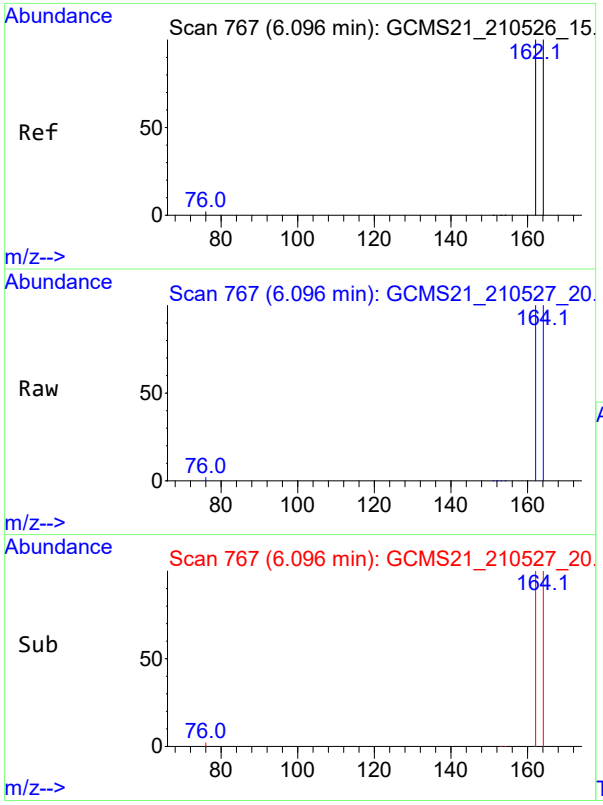


#5
1-Methylnaphthalene
Concen: 255.54 ng/mL
RT: 5.127 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:142 Resp: 182310

Ion	Ratio	Lower	Upper
142	100		
141	89.9	61.5	121.5
115	30.8	0.2	60.2

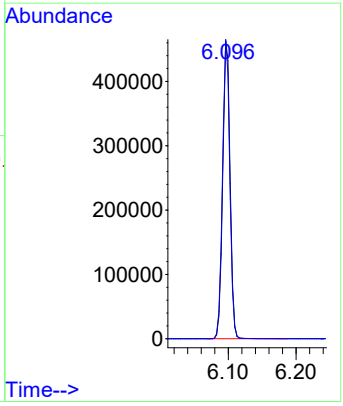


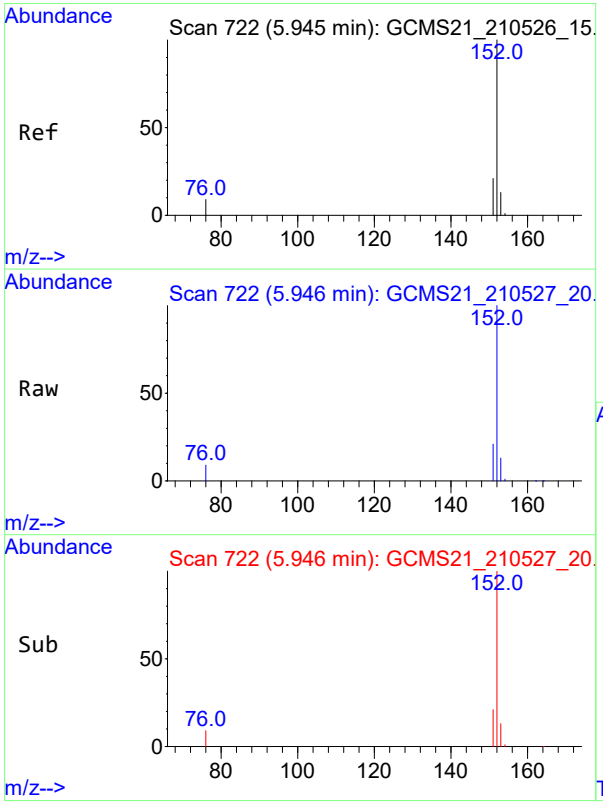


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:164 Resp: 347967

Ion	Ratio	Lower	Upper
164	100		
162	99.5	77.7	117.7

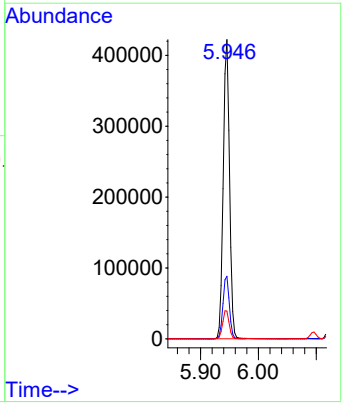


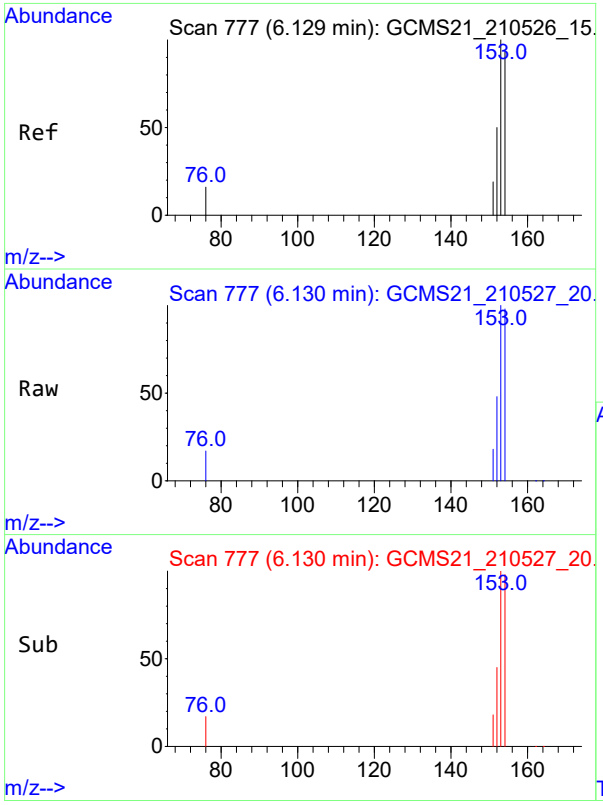


#7
Acenaphthylene
Concen: 274.77 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:152 Resp: 317329

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.0	52.0
76	9.7	0.0	39.5

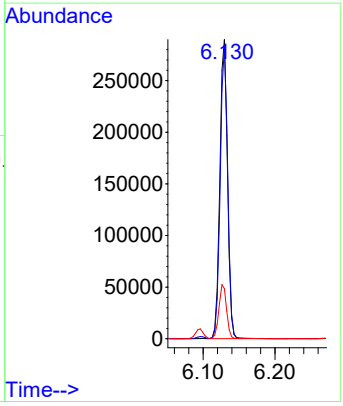


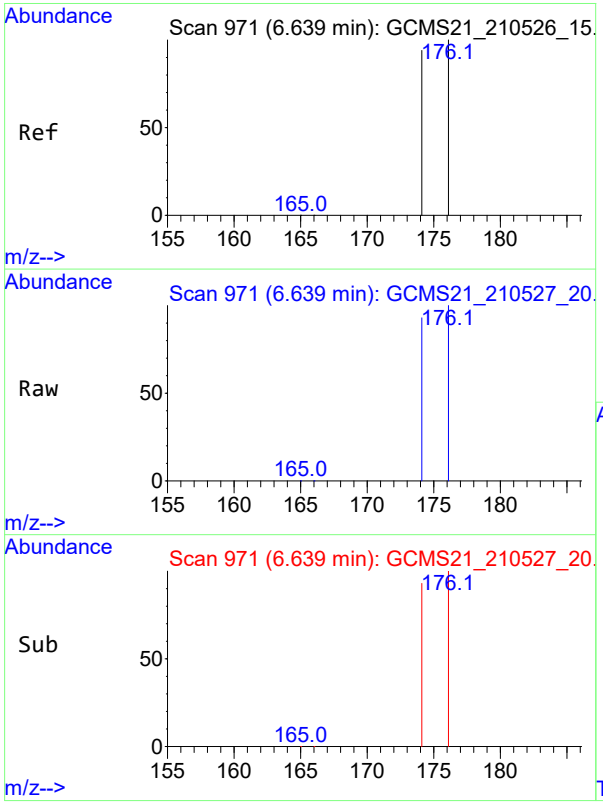


#8
Acenaphthene
Concen: 239.49 ng/mL
RT: 6.130 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:153 Resp: 211720

Ion	Ratio	Lower	Upper
153	100		
154	96.7	60.4	120.4
76	18.2	0.0	47.4

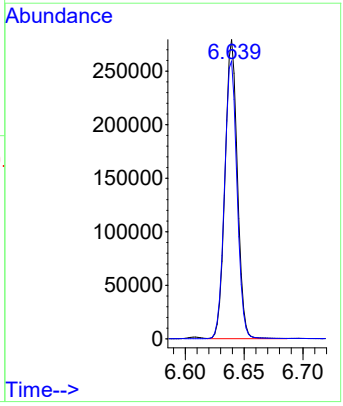


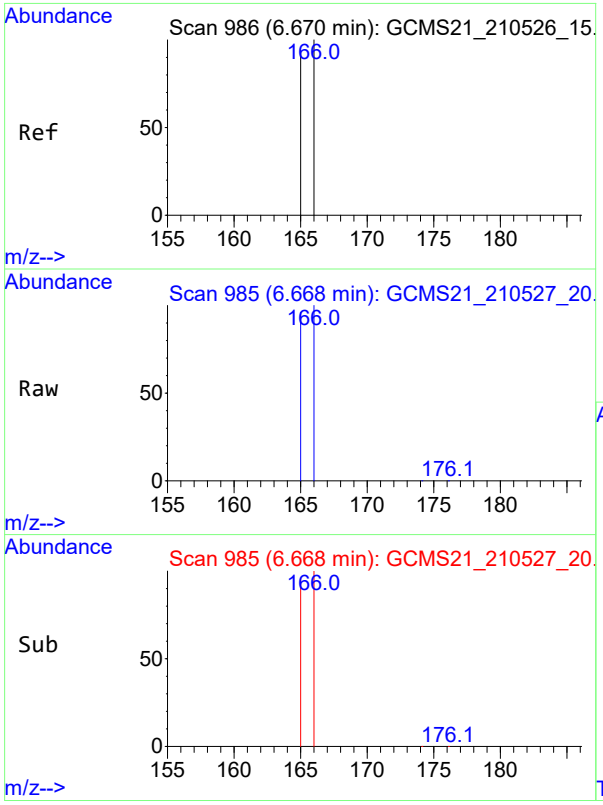


#9
Fluorene-D10
Concen: 244.92 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:176 Resp: 204036

Ion	Ratio	Lower	Upper
176	100		
174	94.3	63.9	123.9

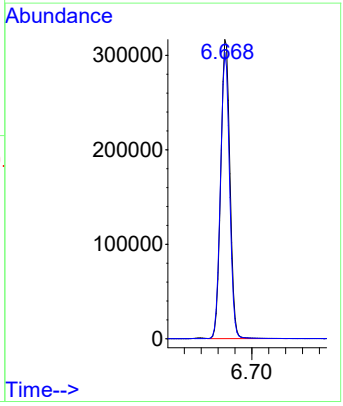


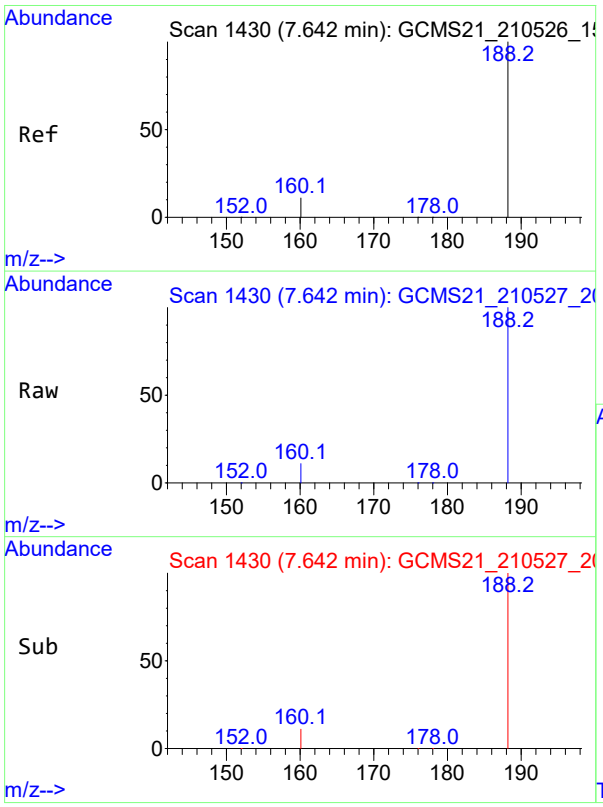


#10
Fluorene
Concen: 243.92 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:166 Resp: 238677

Ion	Ratio	Lower	Upper
166	100		
165	95.1	65.1	125.1

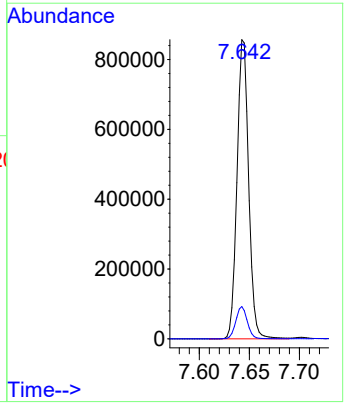


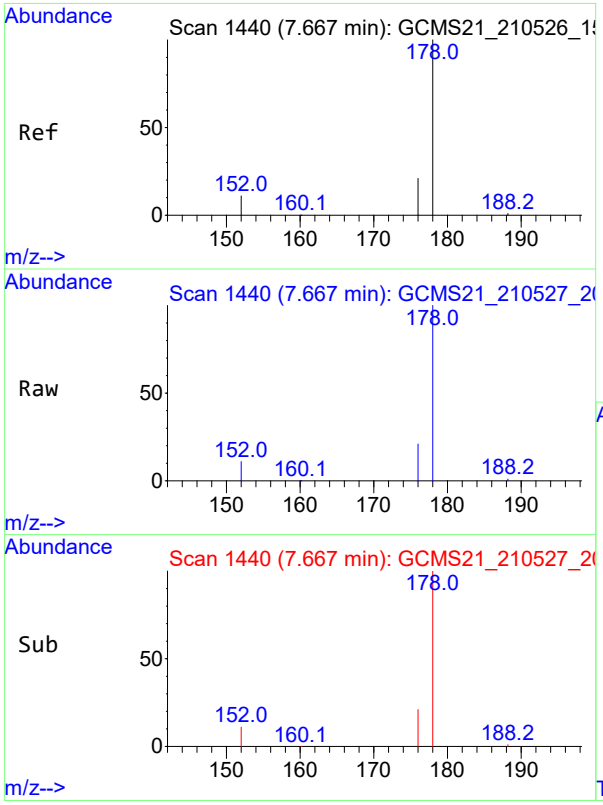


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:188 Resp: 692454

Ion	Ratio	Lower	Upper
188	100		
160	10.7	0.0	39.8

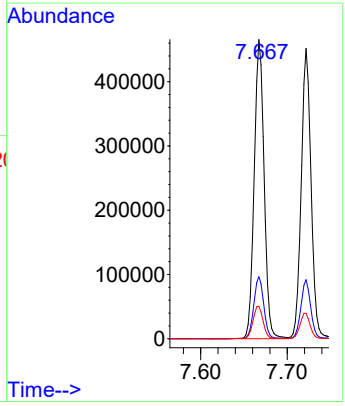


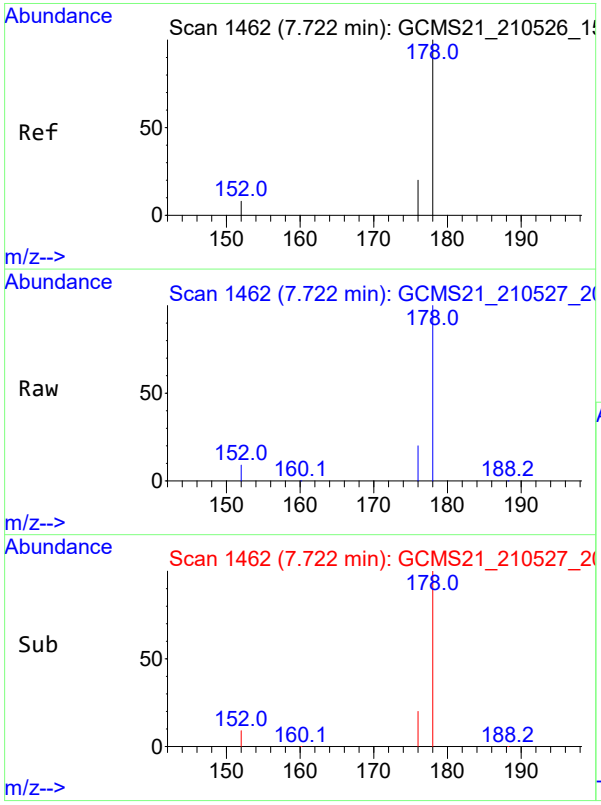


#12
Phenanthrene
Concen: 221.28 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:178 Resp: 369812

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	50.9
152	11.1	0.0	40.5

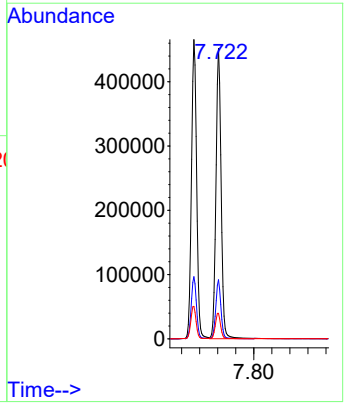


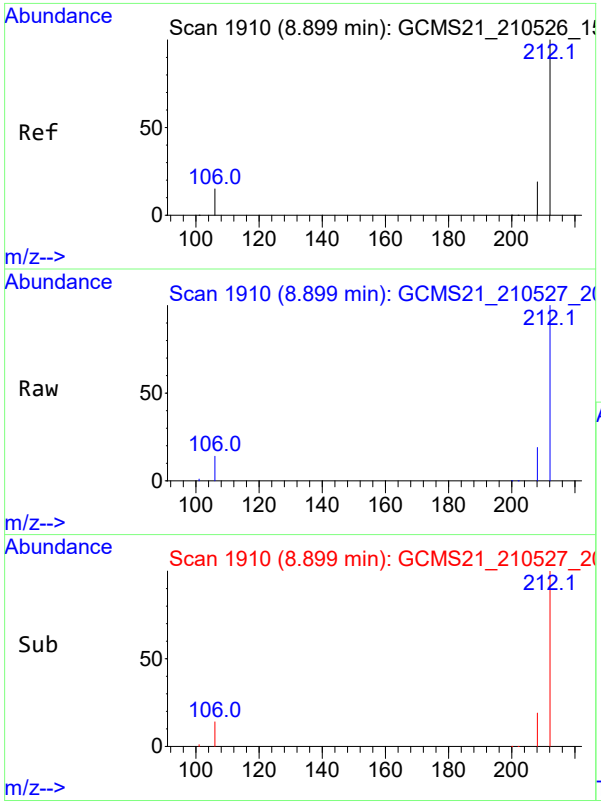


#13
Anthracene
Concen: 258.34 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:178 Resp: 358995

Ion	Ratio	Lower	Upper
178	100		
176	20.1	0.0	50.2
152	8.9	0.0	38.2

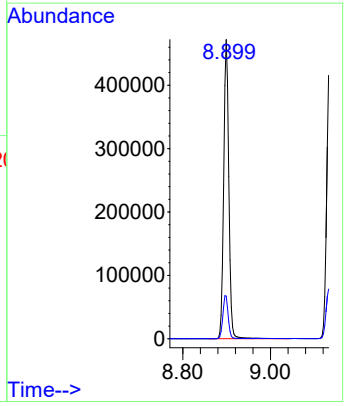


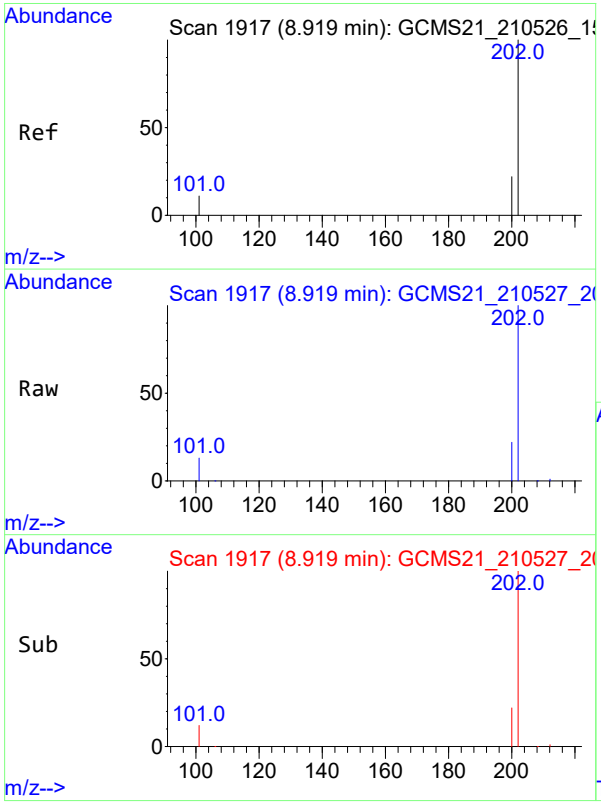


#14
Fluoranthene-D10
Concen: 253.72 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:212 Resp: 380425

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

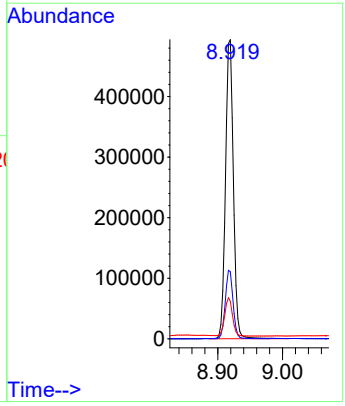


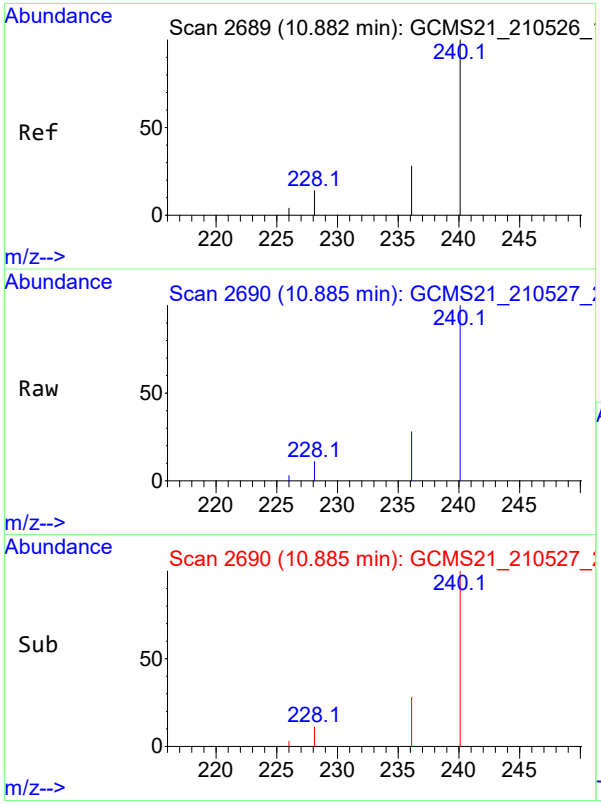


#15
Fluoranthene
Concen: 236.09 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:202 Resp: 416415

Ion	Ratio	Lower	Upper
202	100		
200	22.8	0.0	52.4
101	12.7	0.0	41.1

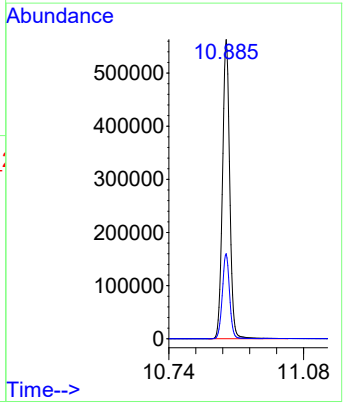


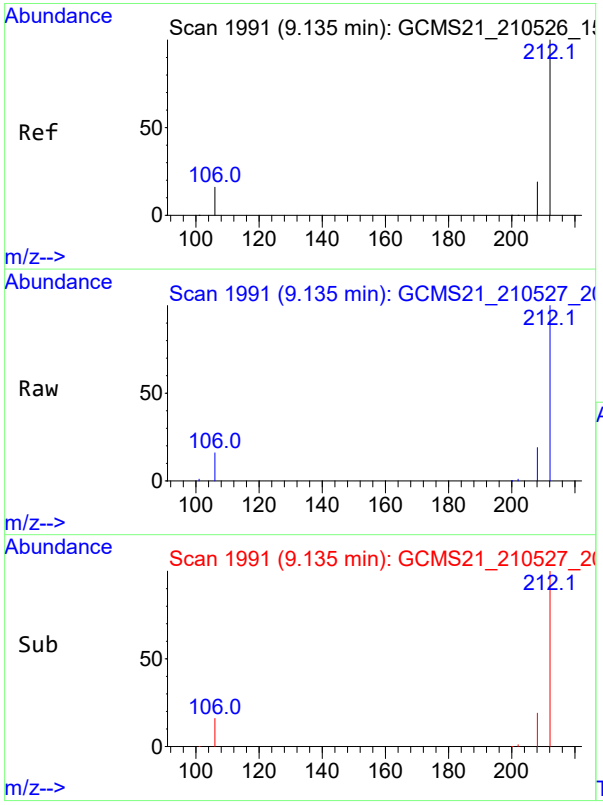


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.885 min Scan# 2690
Delta R.T. 0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:240 Resp: 721248

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

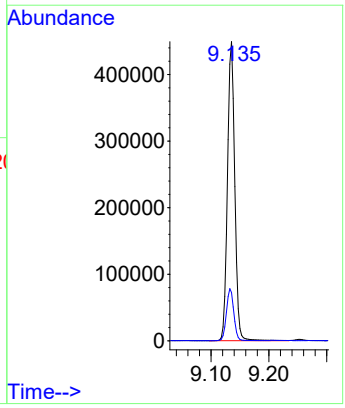


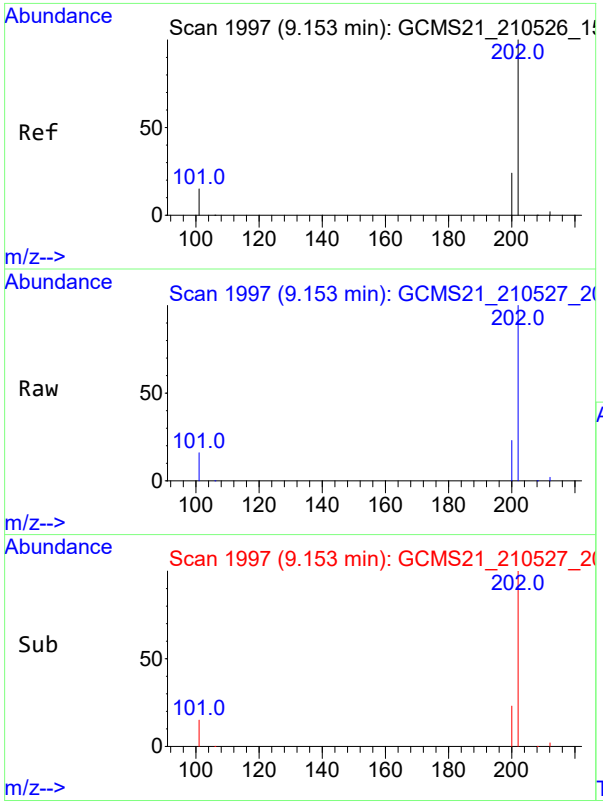


#17
Pyrene-D10
Concen: 238.16 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:212 Resp: 391904

Ion	Ratio	Lower	Upper
212	100		
106	17.7	0.0	46.2

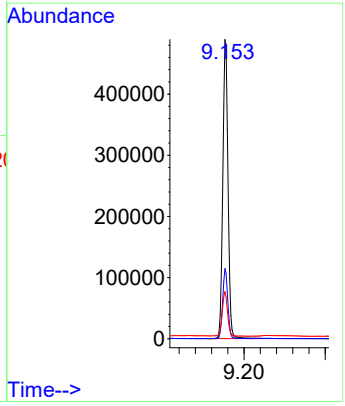


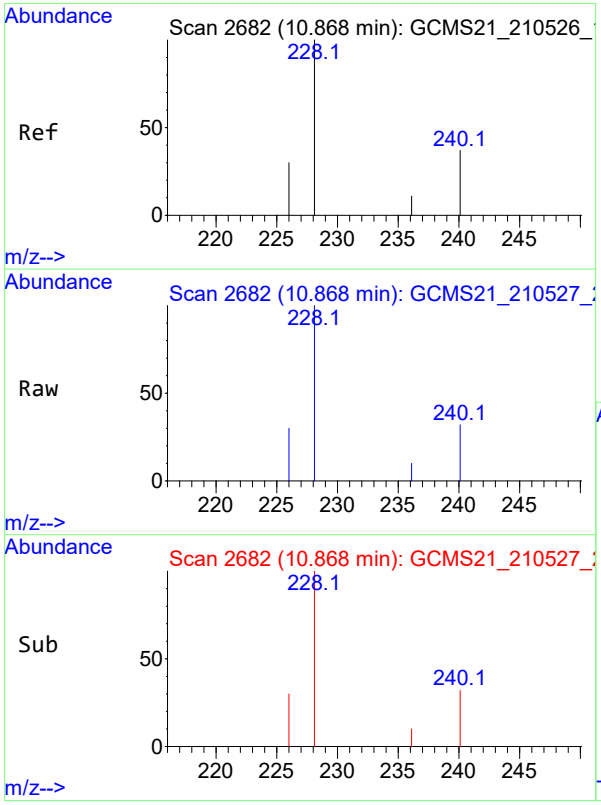


#18
Pyrene
Concen: 225.69 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:202 Resp: 433825

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.9
101	15.1	0.0	44.5

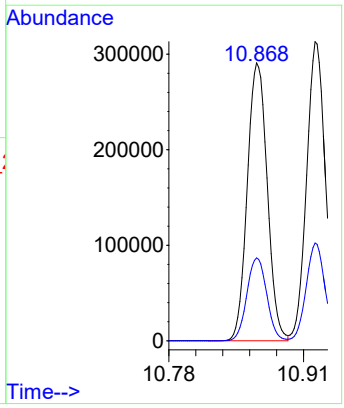


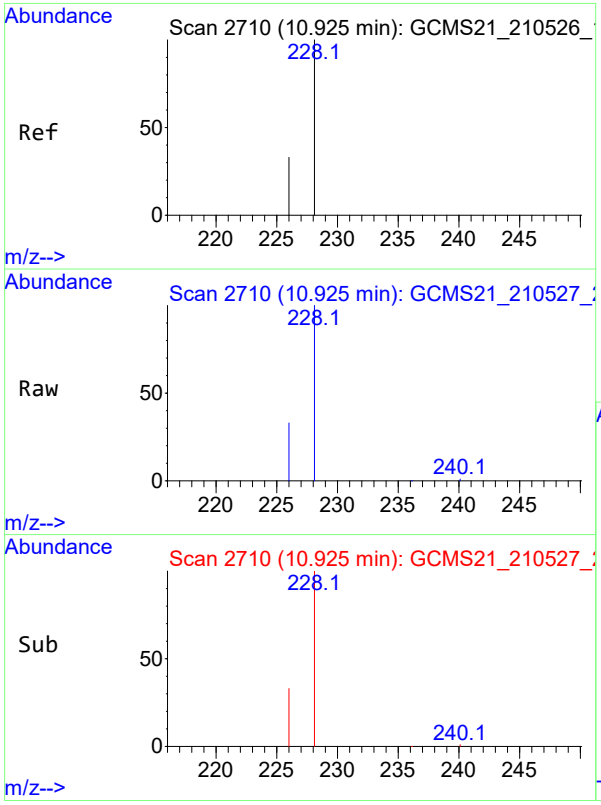


#19
Benzo(a)anthracene
Concen: 272.25 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:228 Resp: 394962

Ion	Ratio	Lower	Upper
228	100		
226	29.7	0.0	59.8

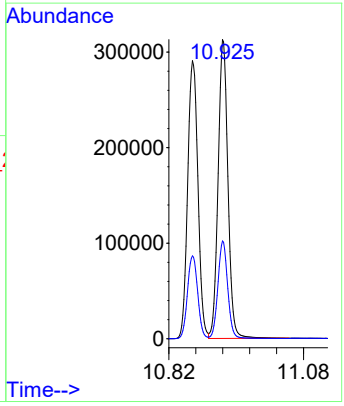


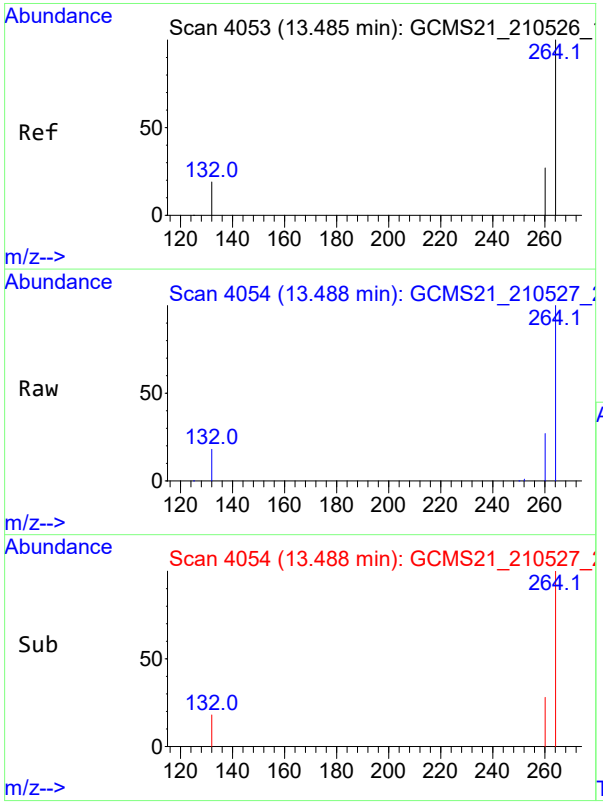


#20
Chrysene
Concen: 226.83 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:228 Resp: 406258

Ion	Ratio	Lower	Upper
228	100		
226	32.6	2.8	62.8

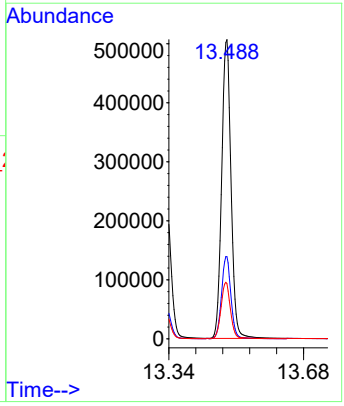


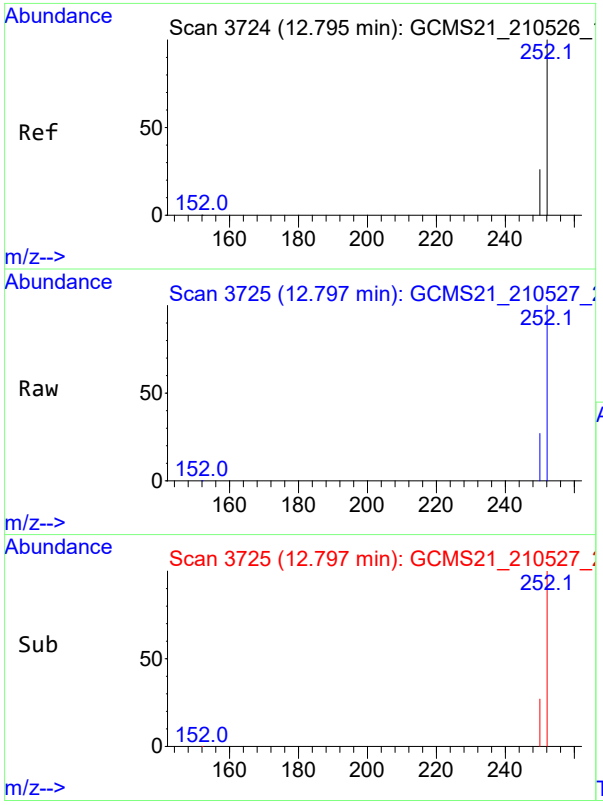


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.488 min Scan# 4054
Delta R.T. 0.003 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:264 Resp: 833448

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	18.9	0.0	49.5

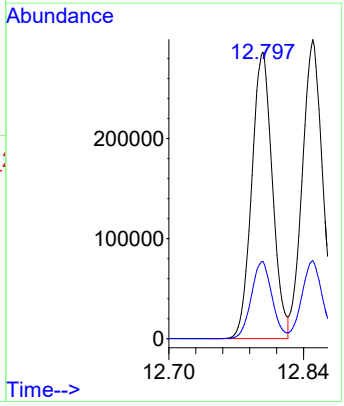


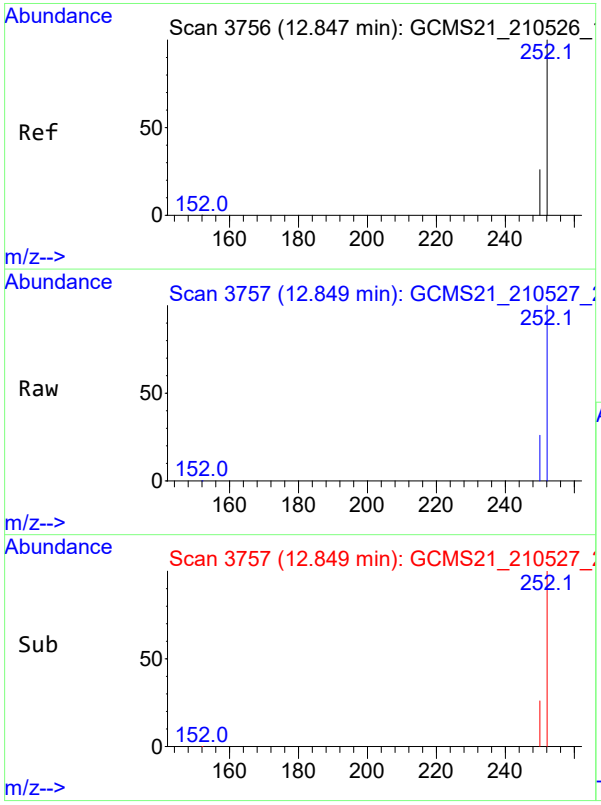


#22
Benzo(b)fluoranthene
Concen: 247.85 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 428783

Ion	Ratio	Lower	Upper
252	100		
250	27.0	0.0	56.2

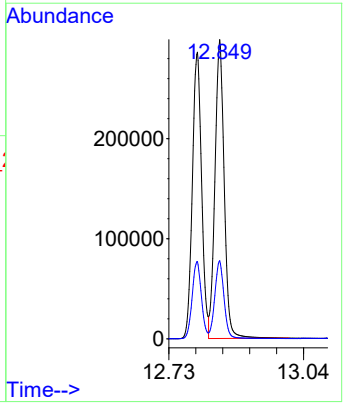


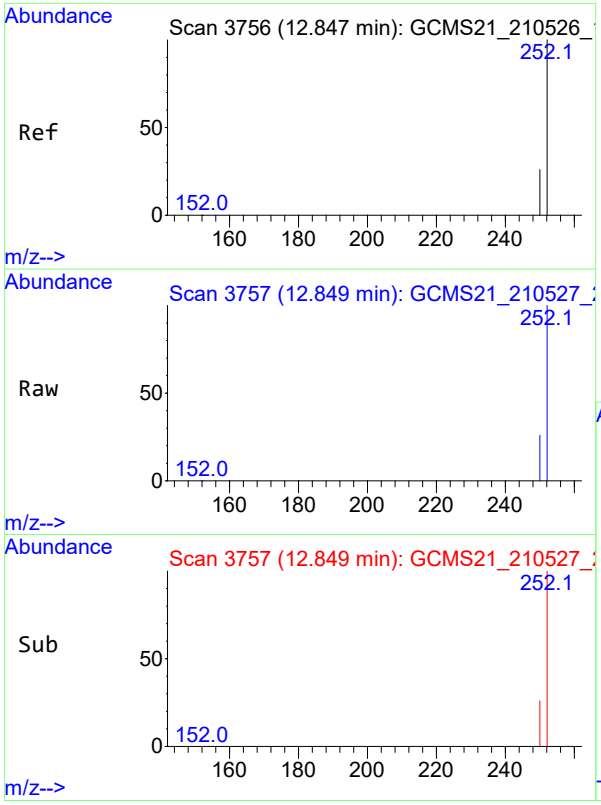


#23
Benzo(k)fluoranthene
Concen: 233.79 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 448259

Ion	Ratio	Lower	Upper
252	100		
250	25.9	0.0	55.6

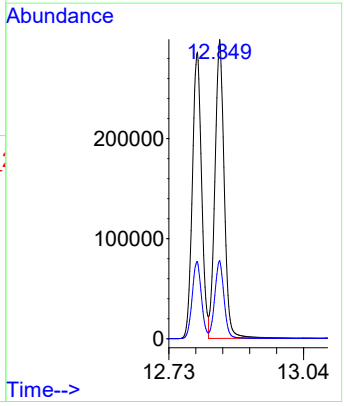


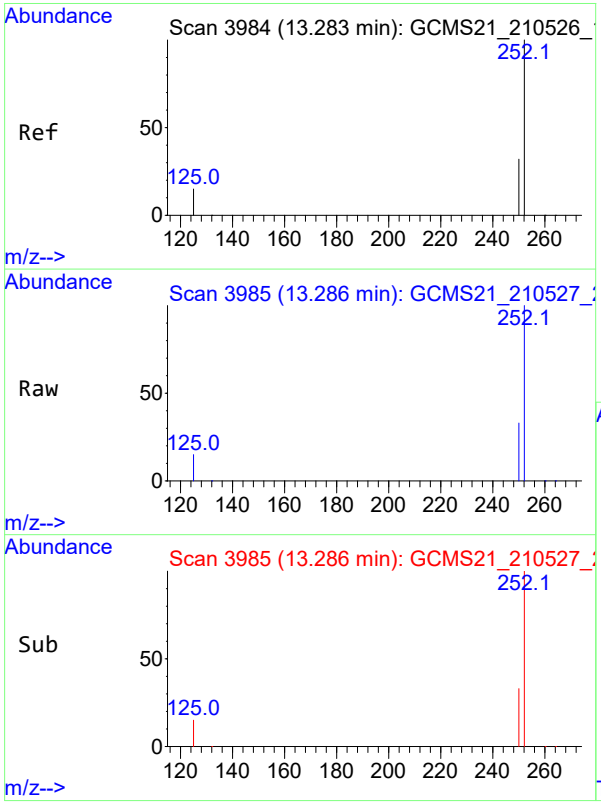


#24
benzo(b+k)fluoranthene (sum)
Concen: 238.46 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 448259

Ion	Ratio	Lower	Upper
252	100		
250	25.9	0.0	55.6

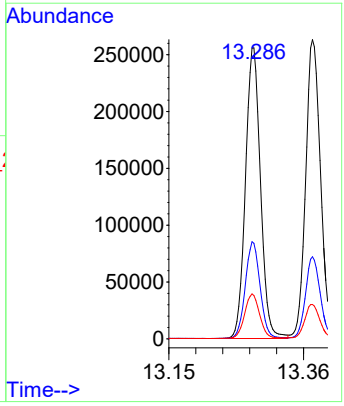


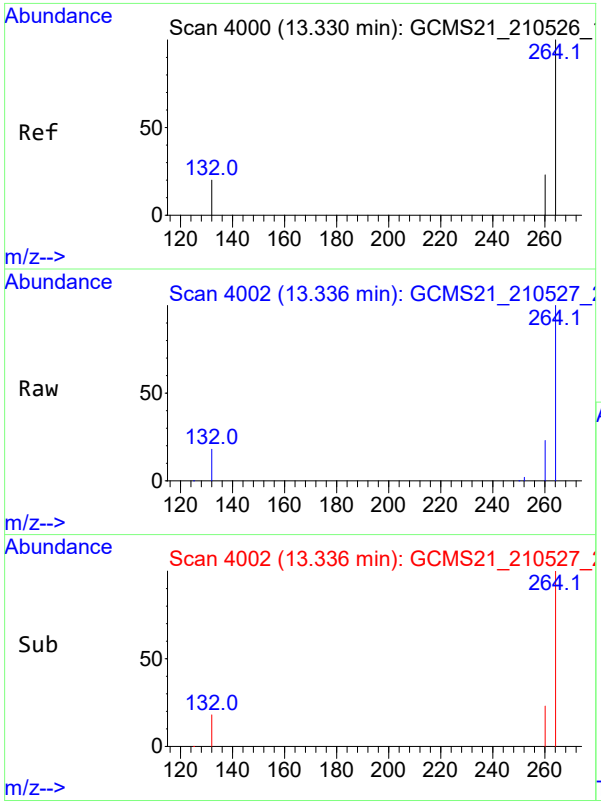


#25
Benzo(e)pyrene
Concen: 236.42 ng/mL
RT: 13.286 min Scan# 3985
Delta R.T. 0.003 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 412534

Ion	Ratio	Lower	Upper
252	100		
250	33.0	2.2	62.2
125	15.4	0.0	45.4

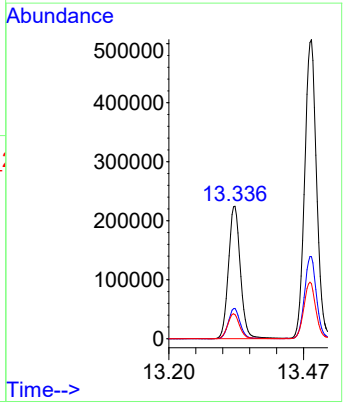


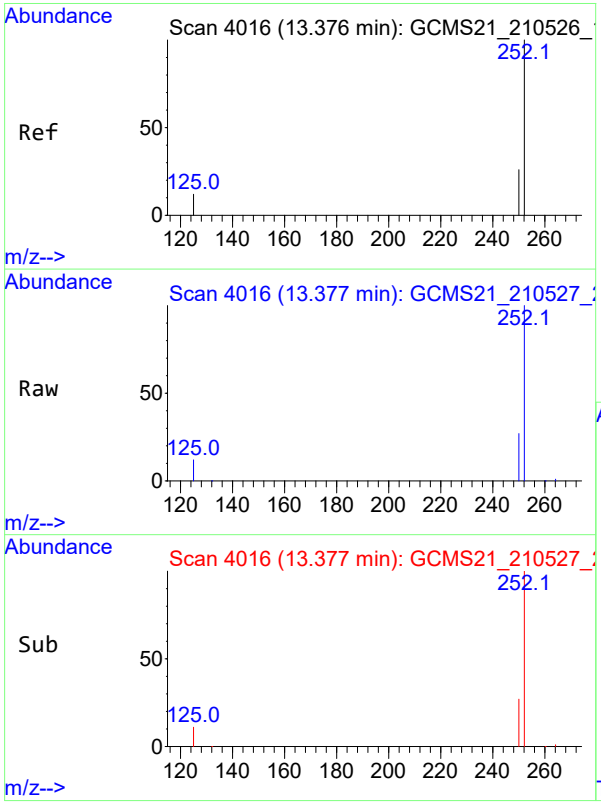


#26
Benzo(a)pyrene-D12
Concen: 273.26 ng/mL
RT: 13.336 min Scan# 4002
Delta R.T. 0.006 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:264 Resp: 370027

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.7	0.0	49.7

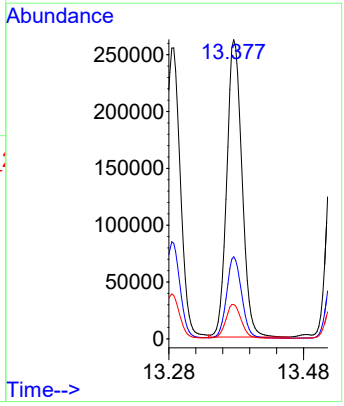


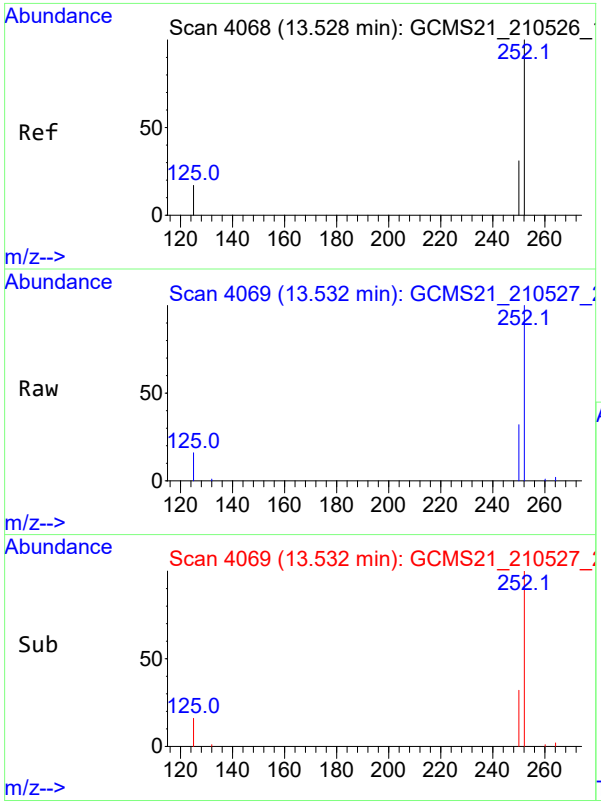


#27
Benzo(a)pyrene
Concen: 264.15 ng/mL
RT: 13.377 min Scan# 4016
Delta R.T. 0.001 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 417060

Ion	Ratio	Lower	Upper
252	100		
250	27.2	0.0	56.4
125	11.5	0.0	41.7

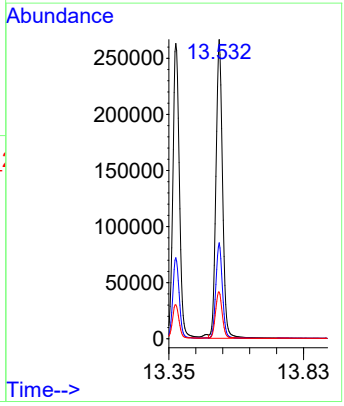


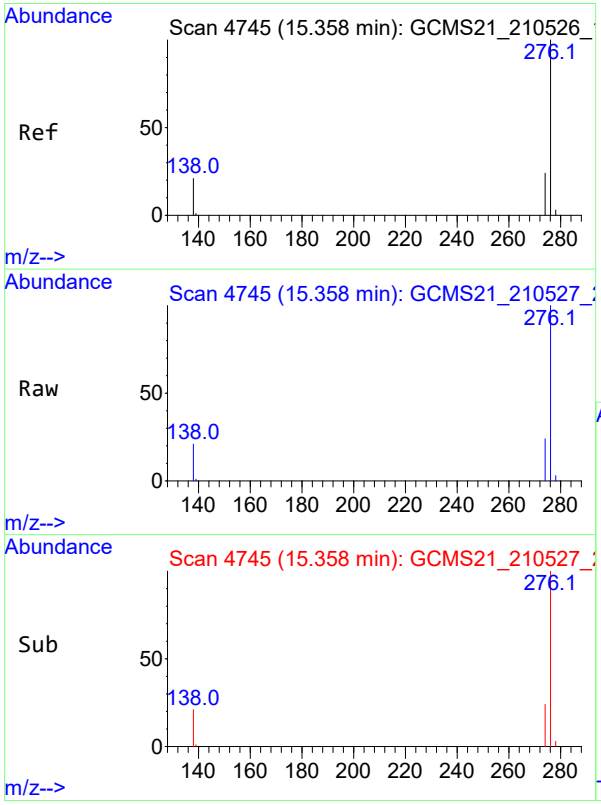


#28
Perylene
Concen: 245.35 ng/mL
RT: 13.532 min Scan# 4069
Delta R.T. 0.004 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:252 Resp: 435056

Ion	Ratio	Lower	Upper
252	100		
250	32.1	1.5	61.5
125	15.9	0.0	46.6

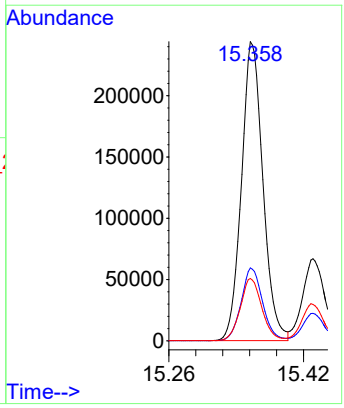


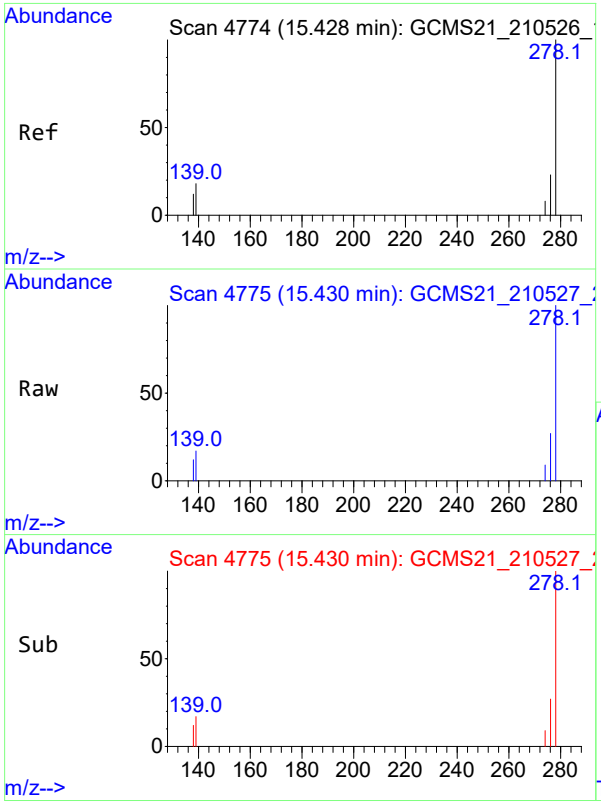


#29
Indeno(1,2,3-cd)pyrene
Concen: 310.36 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.000 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:276 Resp: 419323

Ion	Ratio	Lower	Upper
276	100		
274	24.2	0.0	53.8
138	20.7	0.0	50.7

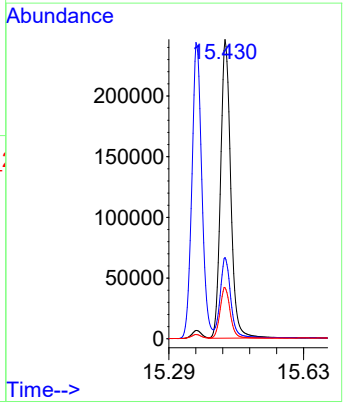


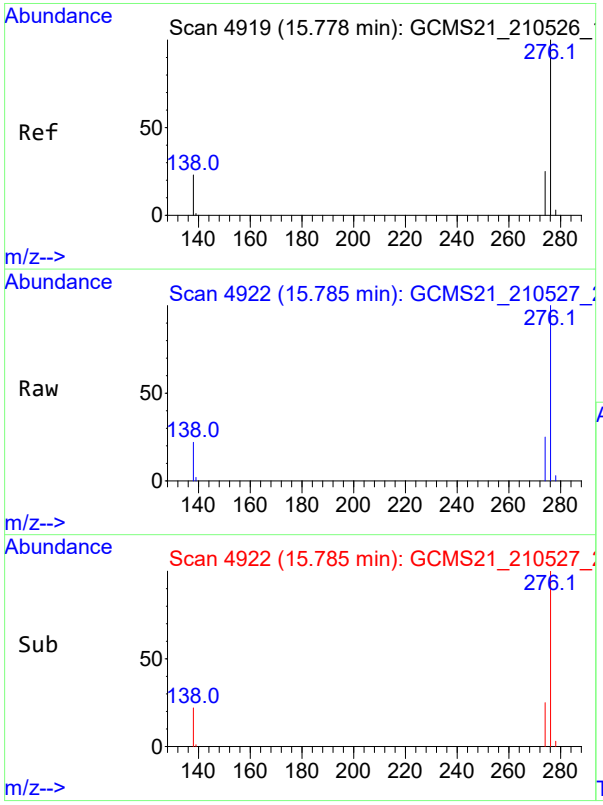


#30
Dibenz(a,h)anthracene
Concen: 320.01 ng/mL
RT: 15.430 min Scan# 4775
Delta R.T. 0.002 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:278 Resp: 430910

Ion	Ratio	Lower	Upper
278	100		
276	28.6	0.0	52.8
139	16.9	0.0	47.6

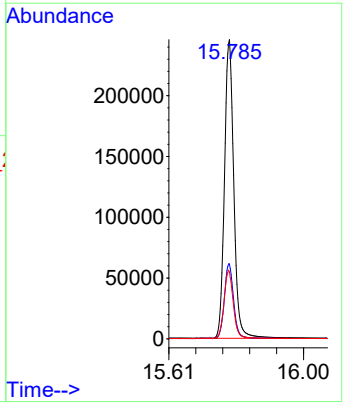




#31
Benzo(g,h,i)perylene
Concen: 261.29 ng/mL
RT: 15.785 min Scan# 4922
Delta R.T. 0.007 min
Lab File: GCMS21_210527_20.D
Acq: 27 May 2021 20:00

Tgt Ion:276 Resp: 458688

Ion	Ratio	Lower	Upper
276	100		
274	25.0	0.0	54.8
138	22.4	0.0	52.9



Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_20.D
Acq On : 27 May 2021 20:00
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21B0107
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 11:34:16 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

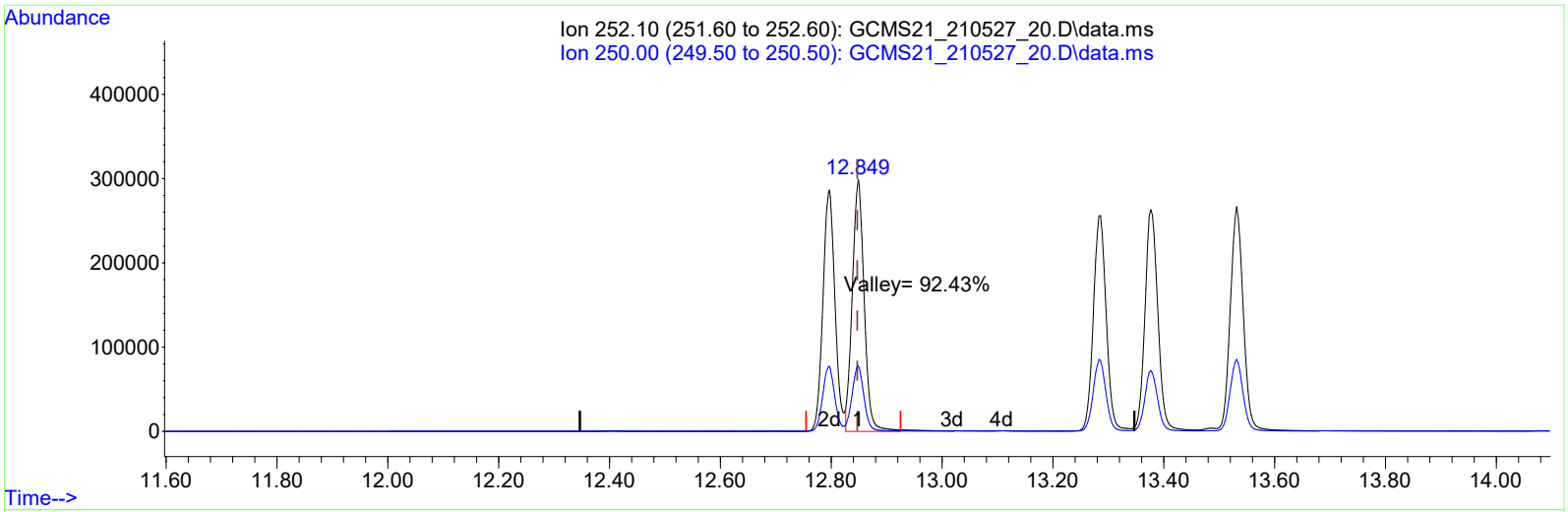
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	140	0.00
2	M	Naphthalene	250.000	251.975	-0.8	142	0.00
3	S	2-Methylnaphthalene-D10	250.000	255.767	-2.3	141	0.00
4	M	2-Methylnaphthalene	250.000	236.659	5.3	141	0.00
5	M	1-Methylnaphthalene	250.000	255.537	-2.2	141	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	141	0.00
7	M	Acenaphthylene	250.000	274.767	-9.9	164	0.00
8	M	Acenaphthene	250.000	239.493	4.2	142	0.00
9	S	Fluorene-D10	250.000	244.917	2.0	142	0.00
10	M	Fluorene	250.000	243.917	2.4	143	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	148	0.00
12	M	Phenanthrene	250.000	221.284	11.5	141	0.00
13	M	Anthracene	250.000	258.337	-3.3	159	0.00
14	S	Fluoranthene-D10	250.000	253.723	-1.5	150	0.00
15	M	Fluoranthene	250.000	236.090	5.6	147	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	152	0.00
17	S	Pyrene-D10	250.000	238.155	4.7	145	0.00
18	M	Pyrene	250.000	225.686	9.7	145	0.00
19	M	Benzo(a)anthracene	250.000	272.255	-8.9	169	0.00
20	M	Chrysene	250.000	226.827	9.3	149	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	167	0.00
22	M	Benzo(b)fluoranthene	250.000	247.846	0.9	176	0.00
23	M	Benzo(k)fluoranthene	250.000	233.794	6.5	169	0.00
24	NR	benzo(b+k)fluoranthene (sum	500.000	466.989	6.6	172	0.00
25	M	Benzo(e)pyrene	250.000	236.417	5.4	162	0.00
26	S	Benzo(a)pyrene-D12	250.000	273.263	-9.3	179	0.00
27	M	Benzo(a)pyrene	250.000	264.146	-5.7	178	0.00
28	M	Perylene	250.000	245.353	1.9	163	0.00
29	M	Indeno(1,2,3-cd)pyrene	250.000	310.360	-24.1	216	0.00
30	M	Dibenz(a,h)anthracene	250.000	320.009	-28.0	214	0.00
31	M	Benzo(g,h,i)perylene	250.000	261.294	-4.5	184	0.00

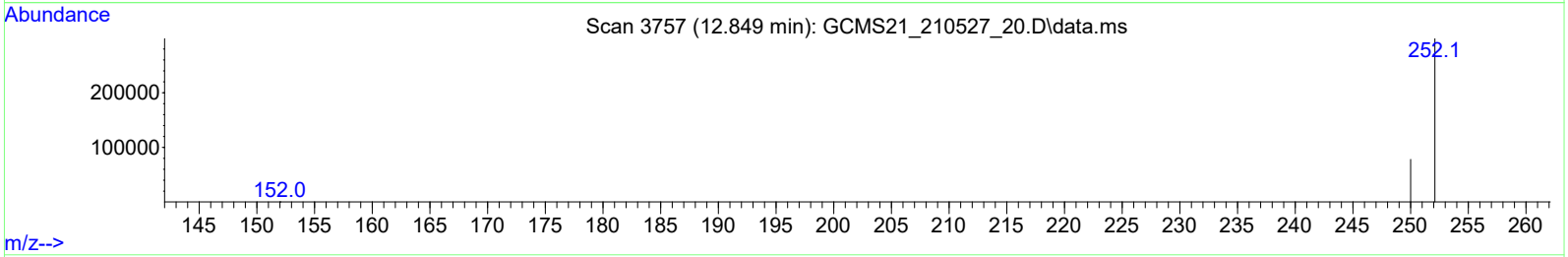
(#) = Out of Range SPCC's out = 0 CCC's out = 0

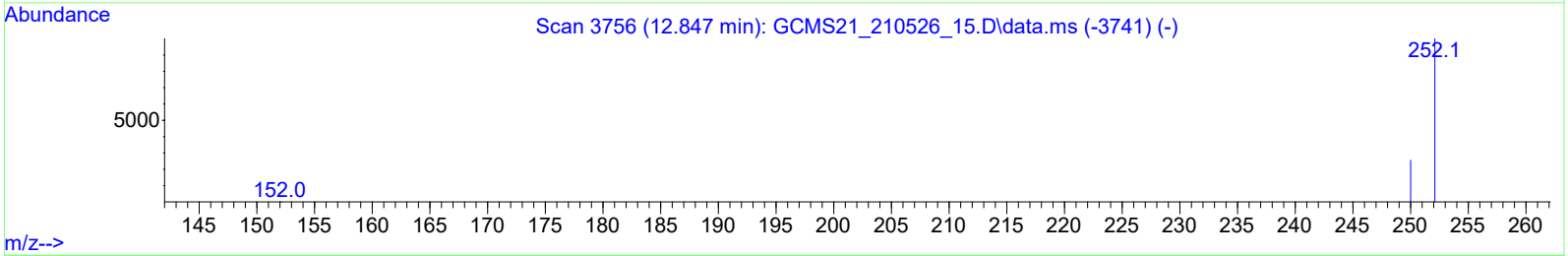
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210527
... 006\
Data File : GCMS21_210527_20.D
Acq On : 27 May 2021 08:00 pm
Operator : MN GCMS21
Sample : 21F0704-CCV2
Misc : LIMS 21B0107
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 11:34:16 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_20.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.849min (+ 0.002) 466.99 ng/mL m

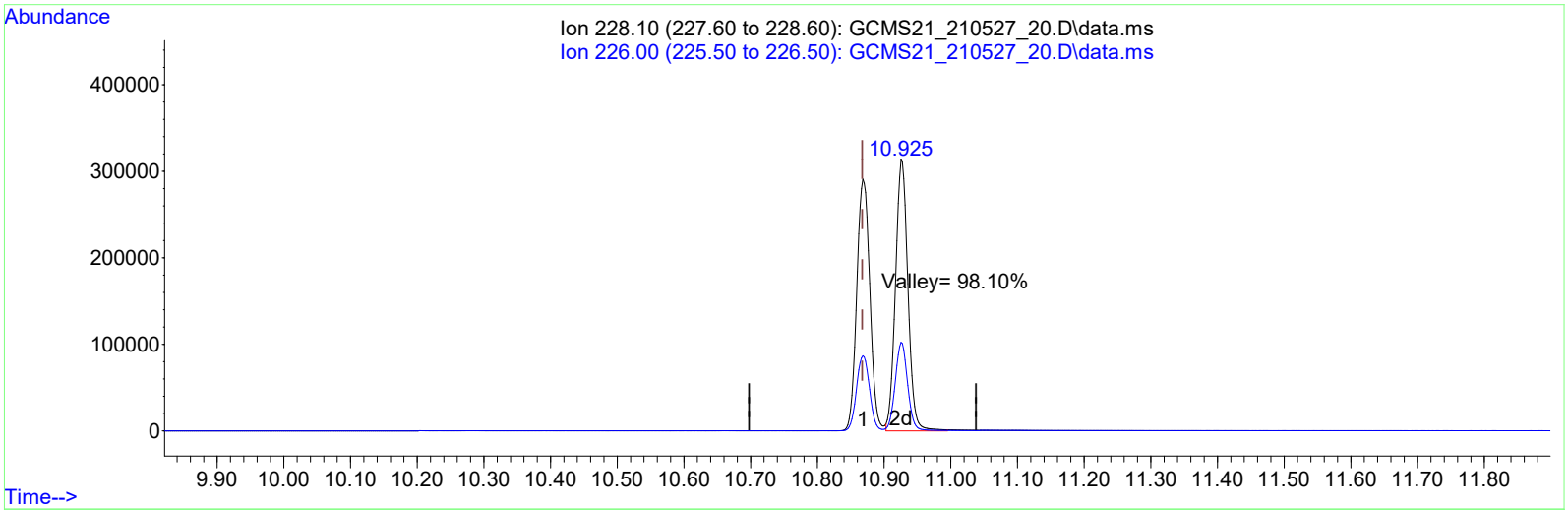
response 877851

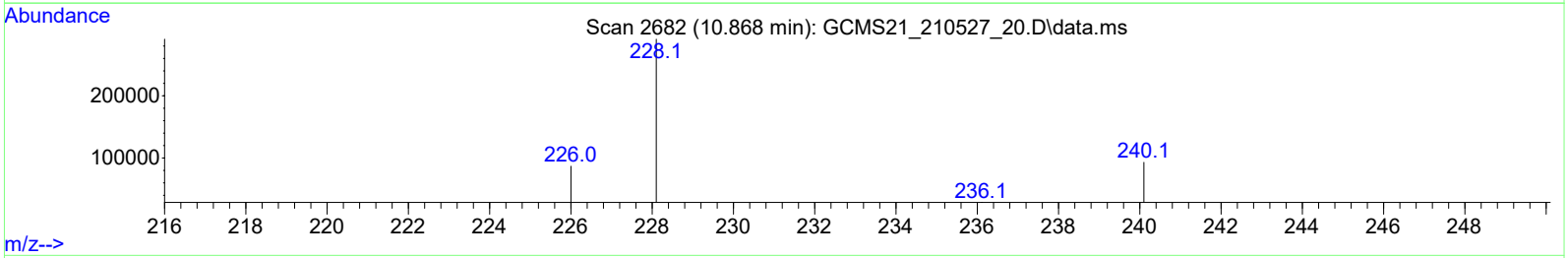
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	26.66
0.00	0.00	0.00
0.00	0.00	0.00

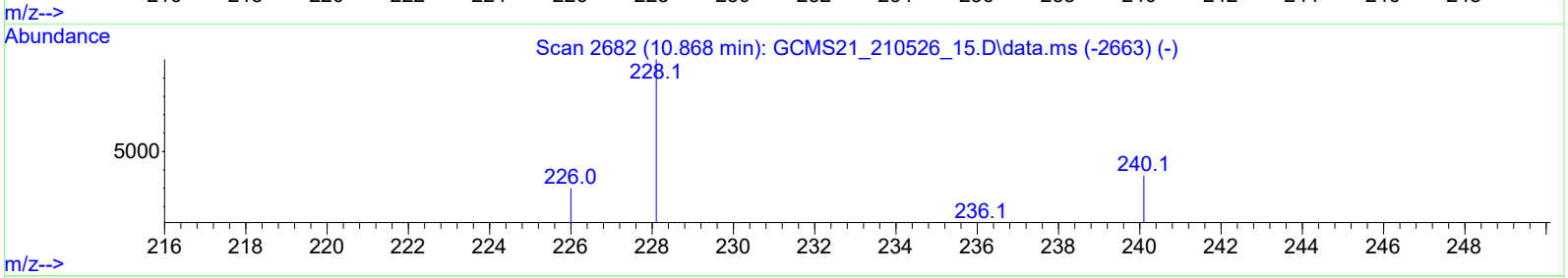
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_20.D
Acq On : 27 May 2021 20:00
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21B0107
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 28 11:34:16 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_20.D\data.ms

(19) Benzo(a)anthracene (M)

10.868min (+ 0.000) 272.25 ng/mL

response 394962

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	29.66
0.00	0.00	0.00
0.00	0.00	0.00

```
  Starting sequence Fri Jun 04 08:38:17 2021

Instrument Name: GCMS
  Sequence File: D:\MassHunter\GCMS\1\sequence\210604_B21E006.sequence.xml
        Comment: BURNS HARBOR
       Operator: MN GCMS21
      Data Path: D:\MassHunter\GCMS\1\data\210604__B21E006\

  Line  Type          Vials    DataFile                       Sample Name
  ---------------------------------------------------------------------------
  Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
  Acquisition Method File: PAHSCANPulsedSpliless_MS21_210202_9mmlens.M
    1) Blank            1      GCMS21_210604_01       DCM
       Comment: 20b2801
    2) TuneCheck        2      GCMS21_210604_02       ICP 50

  Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
  Acquisition Method File: PAHSIMPulsedSpliless_MS21_21526.M
    3) CC               3      GCMS21_210604_03       CCV1_250
       Comment: LIMS 21E1012
    4) Blank            4      GCMS21_210604_04       CAL0
       Comment: LIMS 21D3002
    5) Sample           5      GCMS21_210604_05       2105001-01
    6) Sample           5      GCMS21_210604_06       2105001-01_reinject
    7) Sample           6      GCMS21_210604_07       2105001-16
    8) Sample           7      GCMS21_210604_08       2105001-18RE1
       Comment: ~~100µL+500µL 21D3002 (6X)~~ 100µL+400µL21D3002(5X) MN 06/05/2021
    9) Sample           8      GCMS21_210604_09       2105001-17
   10) Sample           9      GCMS21_210604_10       2105001-19RE1
       Comment: 100µL+100µL 21D3002 (2X)
   11) Sample          10      GCMS21_210604_11       2105001-03RE1
       Comment: 50µL+450µL 21D3002 (10X)
   12) Sample          11      GCMS21_210604_12       2105001-02RE1
       Comment: 100µL+400µL 21D3002 (5X)
   13) Sample          12      GCMS21_210604_13       2105001-04RE1
       Comment: 100µL+100µL 21D3002 (2X)
   14) Sample          13      GCMS21_210604_14       2105001-05RE1
       Comment: 50µL+450µL 21D3002 (10X)
  Sequence Table edit performed Fri Jun 04 14:25:22 2021
   15) Sample          14      GCMS21_210604_15       2105001-15RE1
       Comment: 50µL+450µL 21D3002 (10X)
   16) Sample          15      GCMS21_210604_16       2105001-19
   17) Sample          16      GCMS21_210604_17       B21E006-~~BLK1~~
       Comment: ASE #2 solvent1_Acetone LIMS 21C1102
   18) Sample          17      GCMS21_210604_18       B21E006~~-BLK2~~
       Comment: ASE #2 solvent2_HexaneLIMS 21C1103
   19) Sample          18      GCMS21_210604_19       2105008-01RE1
       Comment: 50µL+450µL 21D3002 (10X)
   20) Sample          19      GCMS21_210604_20       2105023-01RE2
       Comment: 50µL+950µL 21D3002 (20X)
```

typo error corrected as B21E006-BLK2

B21E006-BLK23
MN 7.21.21

```
 21) Sample          20      GCMS21_210604_21       2105023-02RE1
     Comment: 100µL+300µL 21D3002 (4X)
 22) Sample          26      GCMS21_210604_22       2105001-01RE2
     Comment: 50µL+950µL 21D3002 (20X)
 23) Blank           21      GCMS21_210604_23       B21E021-BLK1
     Comment: ASE #3 solvent1_Acetone LIMS 21C1102
 24) Blank           22      GCMS21_210604_24       B21E021-BLK2
     Comment: ASE #3 solvent2_HexaneLIMS 21E0612
 25) CC              23      GCMS21_210604_25       CCV2_250
     Comment: LIMS 21E1012
 26) CC              24      GCMS21_210604_26       CCV2_250
     Comment: LIMS 21F0101

Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
Acquisition Method File: PAHSCANPulsedSpliless_MS21_210202_9mmlens.M
 27) Blank           25      GCMS21_210604_27       DCM
     Comment: 20b2801
 28) Blank           25      GCMS21_210604_28       DCM
     Comment: 20b2801
 29) Blank           25      GCMS21_210604_29       DCM
     Comment: 20b2801

Sequence completed Fri Jun 04 20:38:04 2021

  D:\MassHunter\GCMS\1\data\210604__B21E006\2021 Jun 04 0838 Sequence Log .LOG
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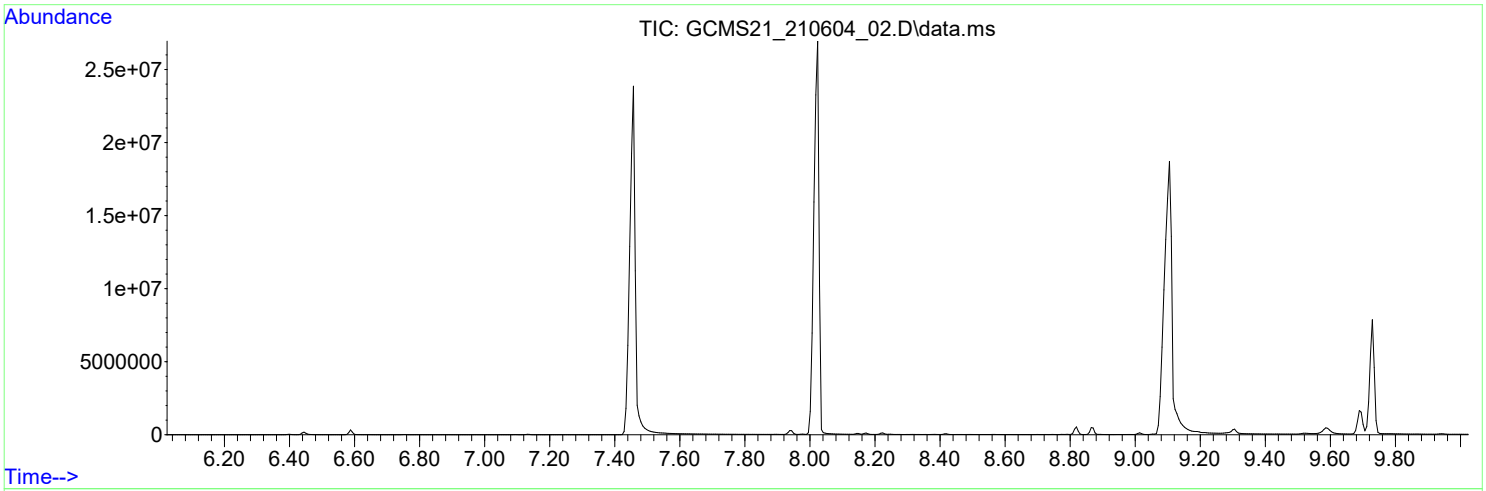
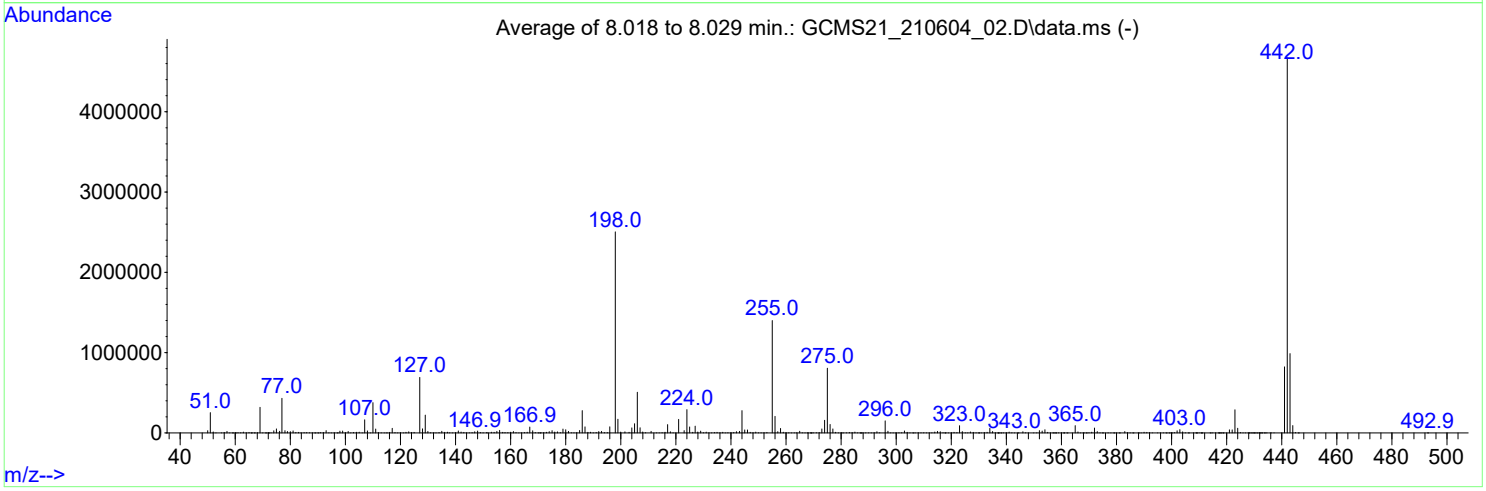
Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_02.D
Acq On : 04 Jun 2021 09:05
Operator : MN GCMS21
Sample : ICP 50
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Title : BURNSHABOR
Last Update : Wed Jun 02 12:41:04 2021





AutoFind: Scans 687, 688, 689; Background Corrected with Scan 680

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.0	3347	PASS
69	69	0.01	200	100.0	318906	PASS
70	69	0.00	2	0.6	1756	PASS
197	198	0.00	2	0.0	0	PASS
198	198	0.01	200	100.0	2504320	PASS
199	198	5	9	6.8	170818	PASS
365	442	1	200	2.0	91123	PASS
441	443	0.01	150	83.3	823040	PASS
442	442	0.01	200	100.0	4668757	PASS
443	442	15	24	21.2	988053	PASS

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_04.D
Acq On : 04 Jun 2021 09:55
Operator : MN GCMS21
Sample : CAL0
Misc : LIMS 21D3002
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 12:00:40 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

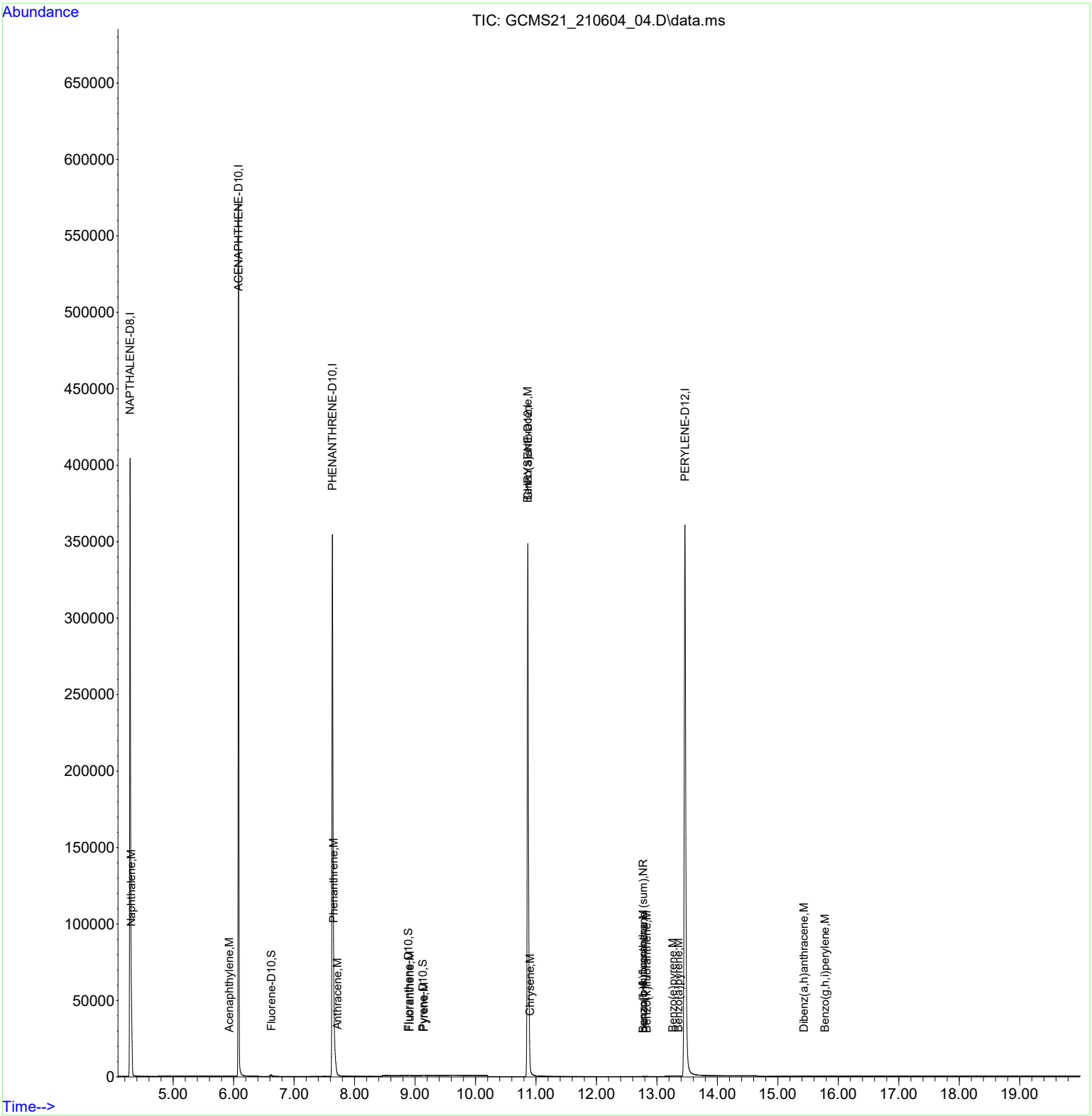
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.288	136	418502	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.079	164	228389	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.633	188	447788	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.866	240	398405	500.00	ng/mL	0.00
21) PERYLENE-D12	13.464	264	457227	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0	0.00	ng/mL	
9) Fluorene-D10	6.625	176	769	1.41	ng/mL	0.00
14) Fluoranthene-D10	8.893	212	121	0.12	ng/mL	0.01
17) Pyrene-D10	9.130	212	138	0.15	ng/mL	0.00
26) Benzo(a)pyrene-D12	0.000	264	0d	0.00	ng/mL	
Target Compounds						Qvalue
2) Naphthalene	4.306	128	168	0.21	ng/mL#	67
4) 2-Methylnaphthalene	0.000		0	N.D.		
5) 1-Methylnaphthalene	0.000		0	N.D.		
7) Acenaphthylene	5.929	152	109	0.14	ng/mL#	61
8) Acenaphthene	0.000		0	N.D.		
10) Fluorene	0.000		0	N.D.		
12) Phenanthrene	7.655	178	247	0.23	ng/mL#	61
13) Anthracene	7.714	178	101	0.11	ng/mL#	62
15) Fluoranthene	8.914	202	183	0.16	ng/mL#	58
18) Pyrene	9.147	202	171	0.16	ng/mL#	1
19) Benzo(a)anthracene	10.864	228	1605	2.00	ng/mL	66
20) Chrysene	10.901	228	175	0.18	ng/mL#	43
22) Benzo(b)fluoranthene	12.774	252	178	0.19	ng/mL#	49
23) Benzo(k)fluoranthene	12.831	252	178m	0.17	ng/mL	
24) benzo(b+k)fluoranthene...	12.774	252	369m	0.36	ng/mL	
25) Benzo(e)pyrene	13.263	252	114	0.12	ng/mL#	49
27) Benzo(a)pyrene	13.356	252	132	0.15	ng/mL#	55
28) Perylene	0.000		0	N.D.	d	
29) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
30) Dibenz(a,h)anthracene	15.428	278	189	0.26	ng/mL#	51
31) Benzo(g,h,i)perylene	15.780	276	187	0.19	ng/mL#	52

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_04.D
Acq On : 04 Jun 2021 09:55
Operator : MN GCMS21
Sample : CAL0
Misc : LIMS 21D3002
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 30 12:00:40 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_03.D
Acq On : 04 Jun 2021 09:30
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 12:00:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

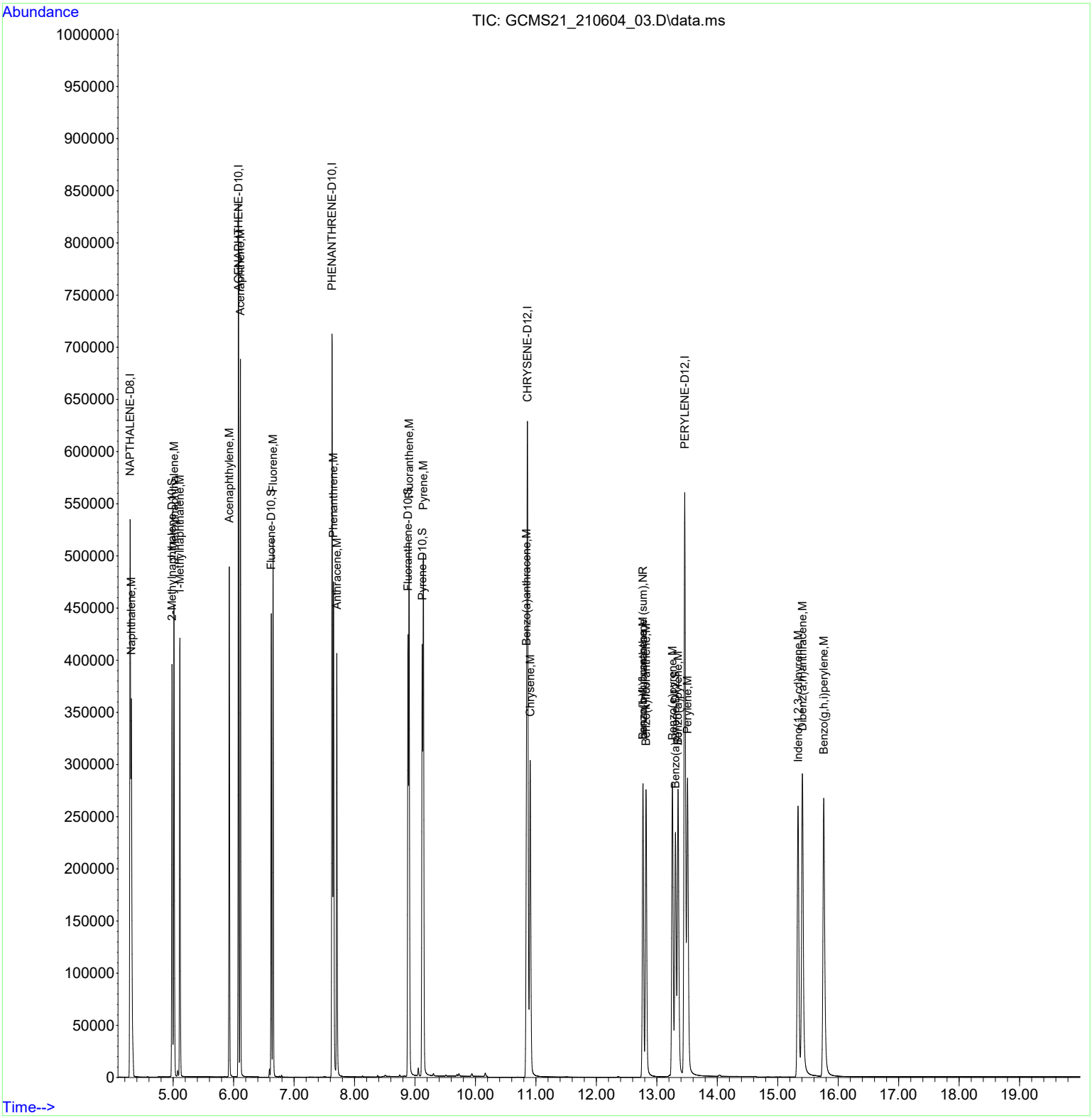
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.288	136	575675	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.079	164	312596	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.628	188	592485	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.862	240	586025	500.00	ng/mL	0.00
21) PERYLENE-D12	13.461	264	677129	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.981	152	169072	233.35	ng/mL	0.00
9) Fluorene-D10	6.623	176	173478	231.80	ng/mL	0.00
14) Fluoranthene-D10	8.884	212	302397	235.71	ng/mL	0.00
17) Pyrene-D10	9.121	212	322040	240.86	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.309	264	281335	255.73	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.308	128	265751	240.59	ng/mL	100
4) 2-Methylnaphthalene	5.013	142	180117	221.42	ng/mL	100
5) 1-Methylnaphthalene	5.112	142	163281	240.98	ng/mL	97
7) Acenaphthylene	5.929	152	259349	249.97	ng/mL	99
8) Acenaphthene	6.113	153	184583	232.42	ng/mL	99
10) Fluorene	6.654	166	203355	231.33	ng/mL	100
12) Phenanthrene	7.652	178	315018	220.30	ng/mL	99
13) Anthracene	7.707	178	280502	235.91	ng/mL	99
15) Fluoranthene	8.902	202	342781	227.13	ng/mL	99
18) Pyrene	9.138	202	362188	231.90	ng/mL	98
19) Benzo(a)anthracene	10.846	228	294260	249.64	ng/mL	100
20) Chrysene	10.905	228	322702	221.75	ng/mL	99
22) Benzo(b)fluoranthene	12.771	252	328688	233.85	ng/mL	99
23) Benzo(k)fluoranthene	12.821	252	348482	223.71	ng/mL	100
24) benzo(b+k)fluoranthene...	12.771	252	679422m	444.87	ng/mL	
25) Benzo(e)pyrene	13.260	252	321736	226.95	ng/mL	99
27) Benzo(a)pyrene	13.350	252	322812	251.65	ng/mL	100
28) Perylene	13.508	252	337545	234.31	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.336	276	334769	304.98	ng/mL	99
30) Dibenz(a,h)anthracene	15.409	278	354436	323.98	ng/mL	98
31) Benzo(g,h,i)perylene	15.761	276	379456	266.06	ng/mL	99

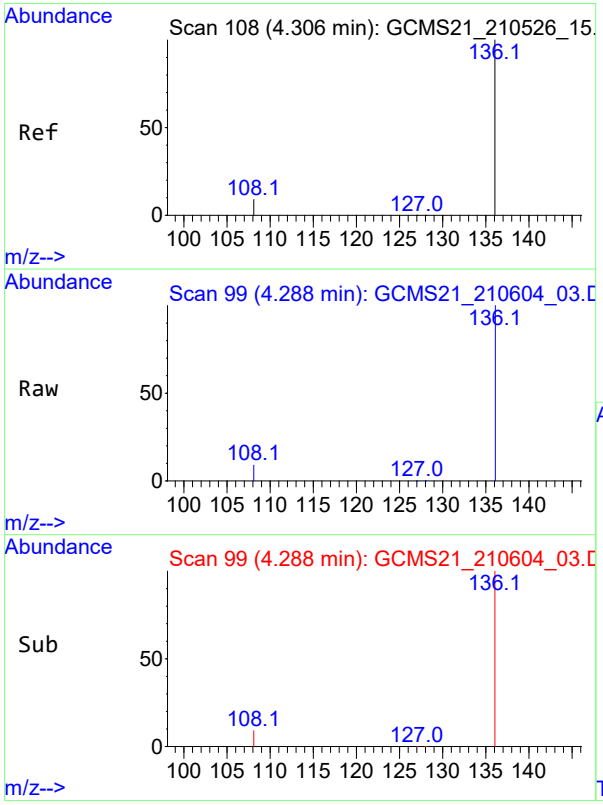
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_03.D
Acq On : 04 Jun 2021 09:30
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 12:00:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

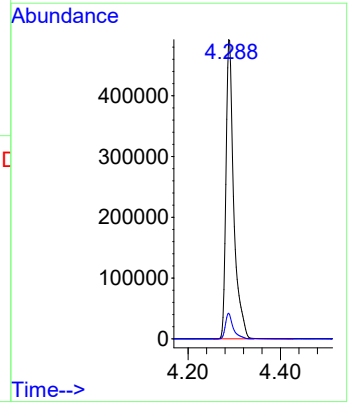


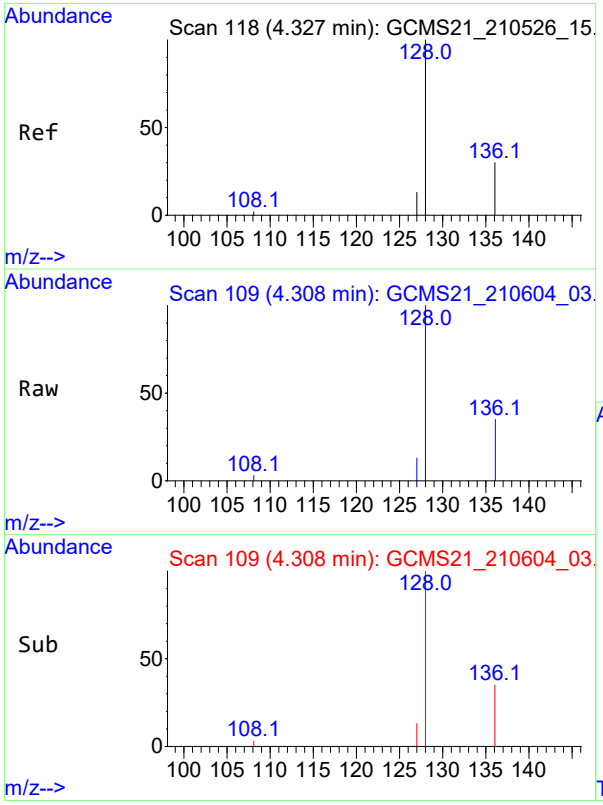


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.288 min Scan# 99
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:136 Resp: 575675

Ion	Ratio	Lower	Upper
136	100		
108	8.4	0.0	28.6

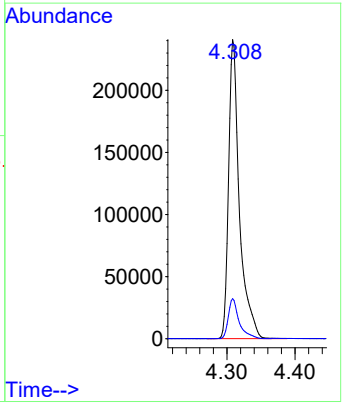


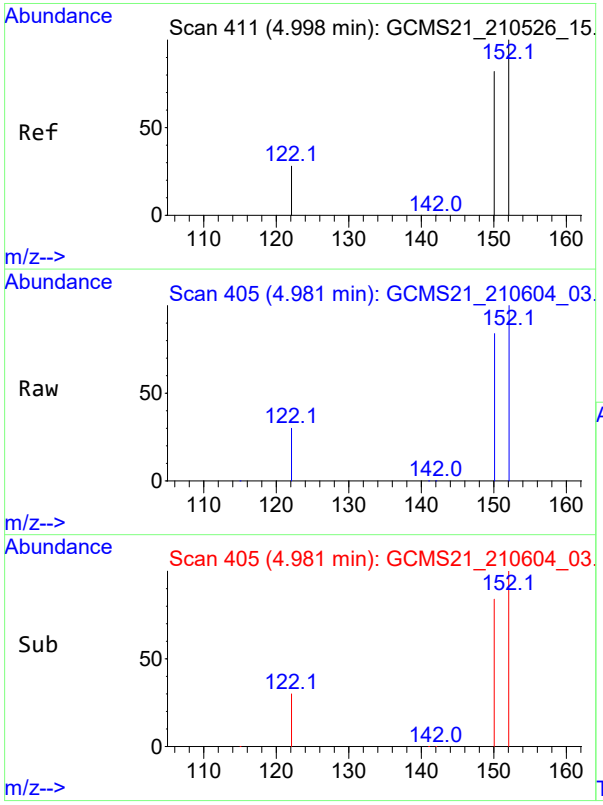


#2
Naphthalene
Concen: 240.59 ng/mL
RT: 4.308 min Scan# 109
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:128 Resp: 265751

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

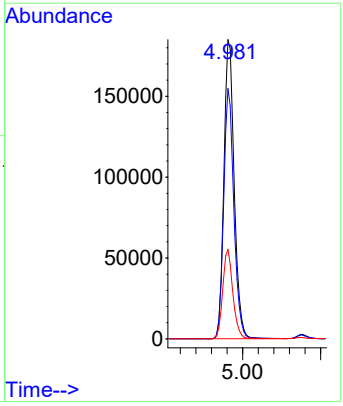


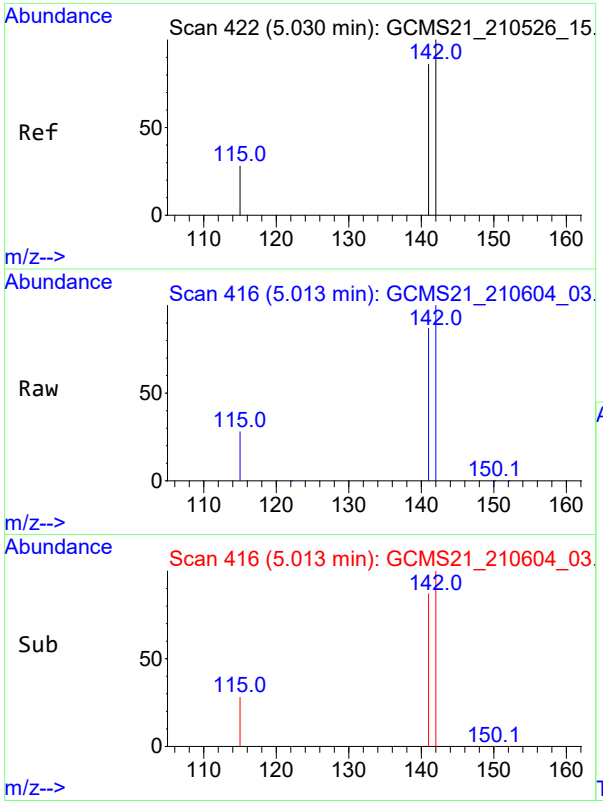


#3
2-Methylnaphthalene-D10
Concen: 233.35 ng/mL
RT: 4.981 min Scan# 405
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:152 Resp: 169072

Ion	Ratio	Lower	Upper
152	100		
150	82.6	52.3	112.3
122	29.4	0.0	57.8

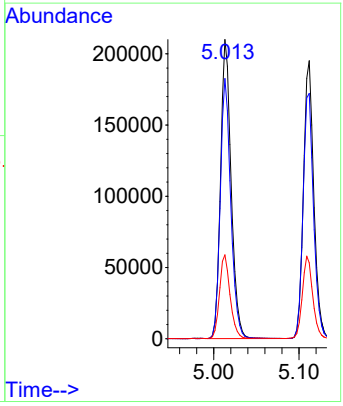


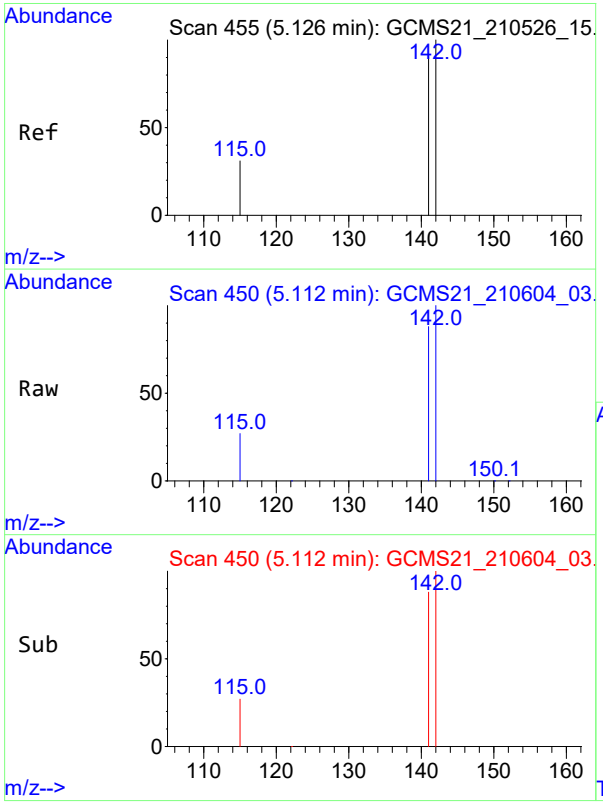


#4
2-Methylnaphthalene
Concen: 221.42 ng/mL
RT: 5.013 min Scan# 416
Delta R.T. -0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:142 Resp: 180117

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.9	116.9
115	27.9	0.0	57.7

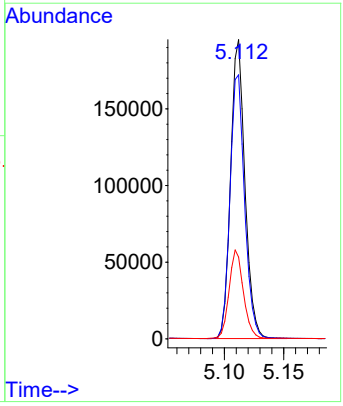


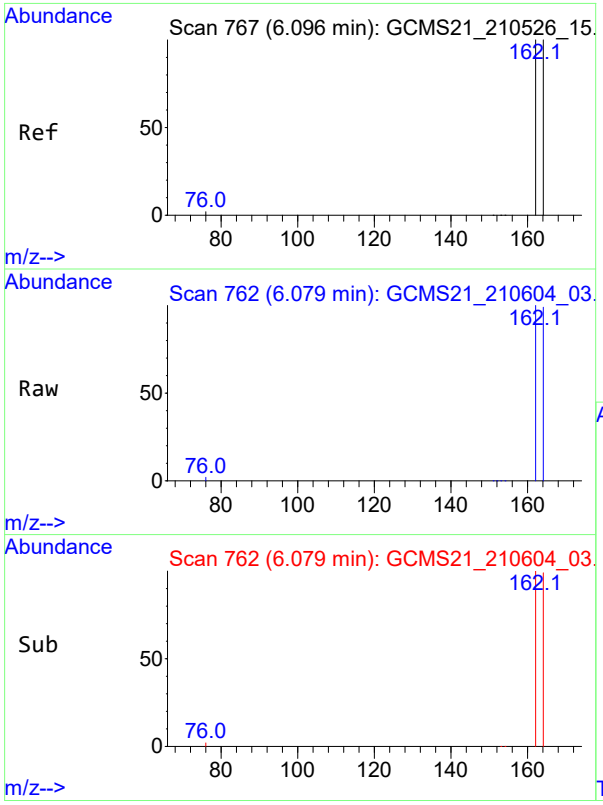


#5
1-Methylnaphthalene
Concen: 240.98 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:142 Resp: 163281

Ion	Ratio	Lower	Upper
142	100		
141	90.1	57.9	117.9
115	29.7	0.0	57.0

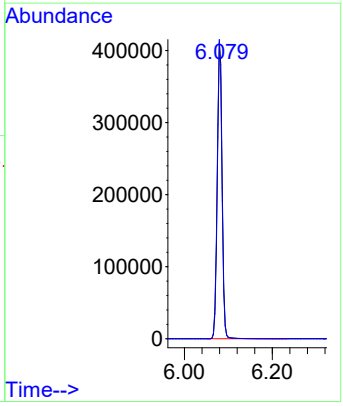


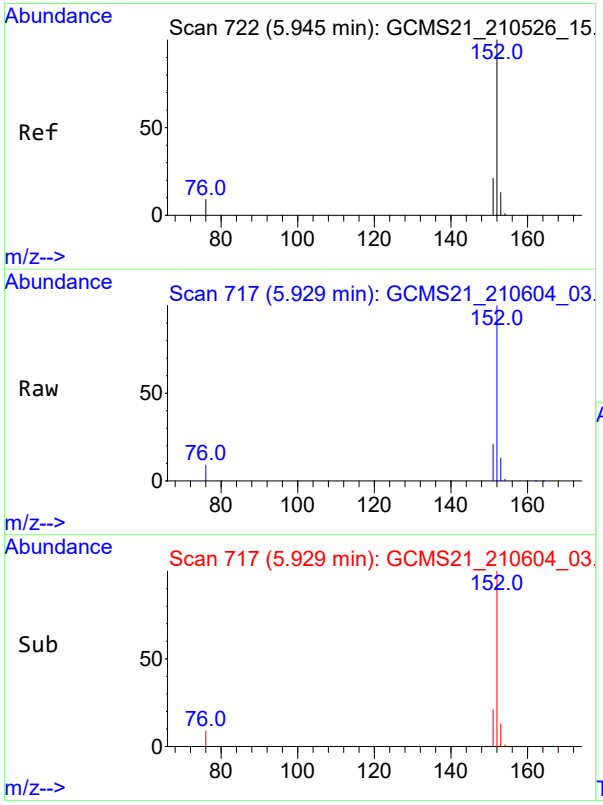


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.079 min Scan# 762
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:164 Resp: 312596

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.0

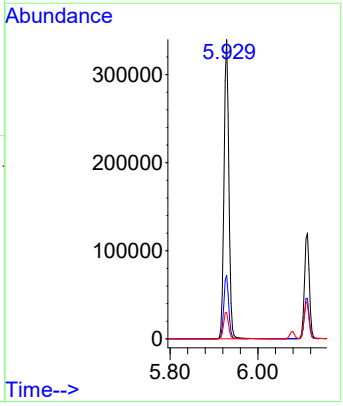


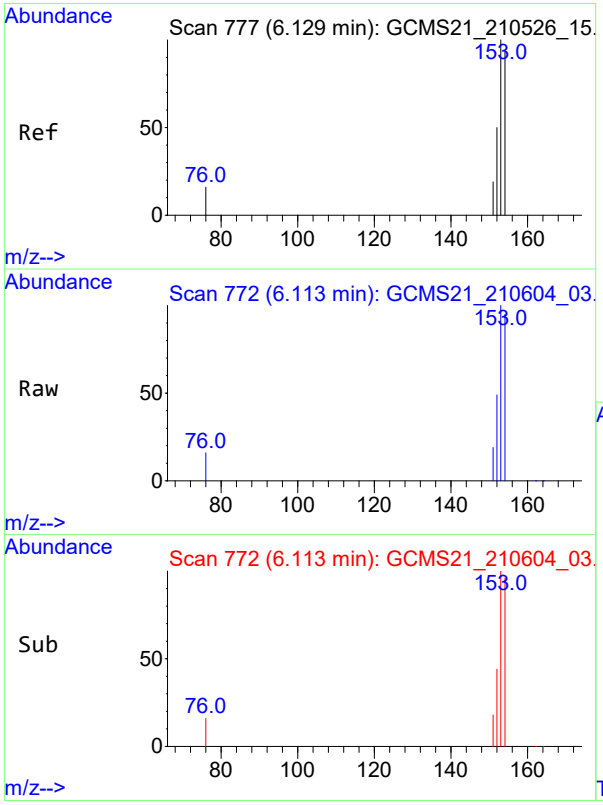


#7
Acenaphthylene
Concen: 249.97 ng/mL
RT: 5.929 min Scan# 717
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:152 Resp: 259349

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	51.0
76	9.2	0.0	38.6

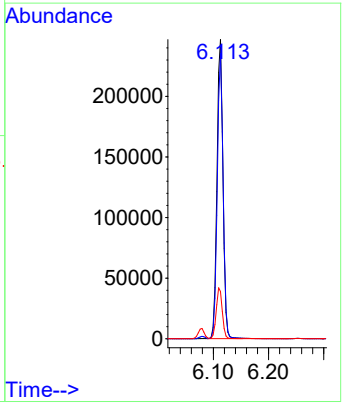


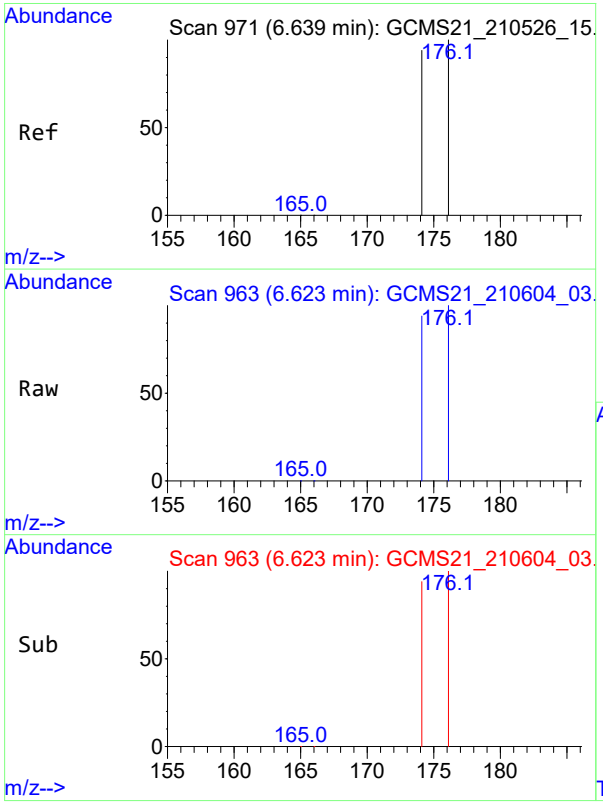


#8
Acenaphthene
Concen: 232.42 ng/mL
RT: 6.113 min Scan# 772
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:153 Resp: 184583

Ion	Ratio	Lower	Upper
153	100		
154	93.7	63.7	123.7
76	17.3	0.0	45.2

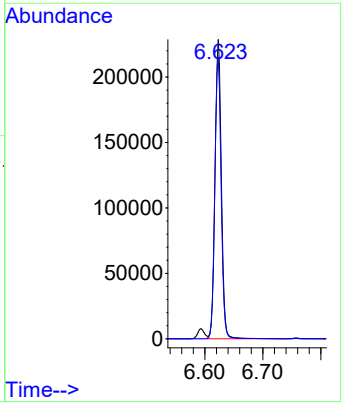


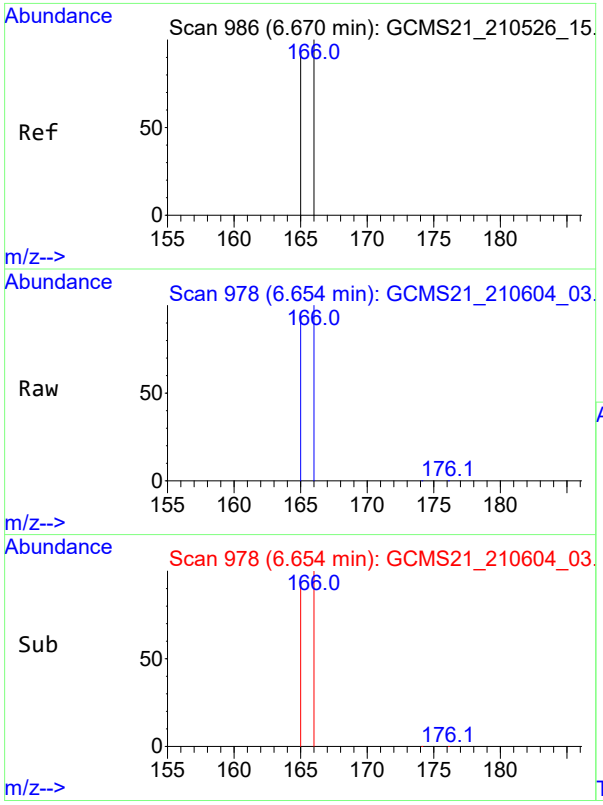


#9
Fluorene-D10
Concen: 231.80 ng/mL
RT: 6.623 min Scan# 963
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:176 Resp: 173478

Ion	Ratio	Lower	Upper
176	100		
174	93.8	63.9	123.9

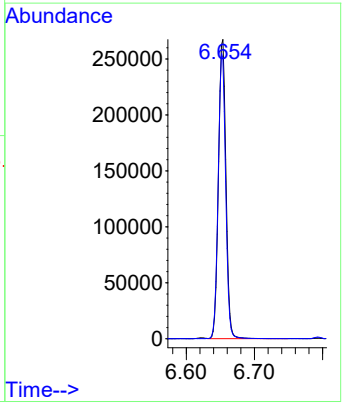


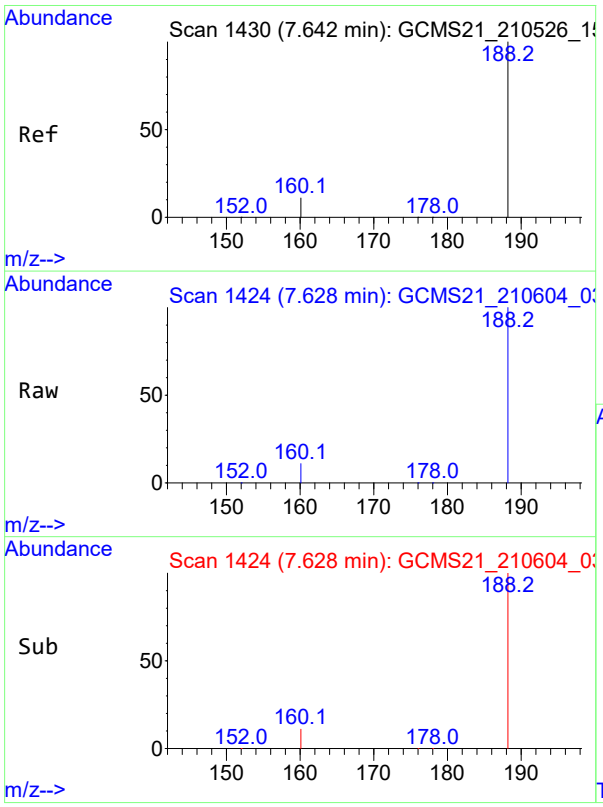


#10
Fluorene
Concen: 231.33 ng/mL
RT: 6.654 min Scan# 978
Delta R.T. 0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:166 Resp: 203355

Ion	Ratio	Lower	Upper
166	100		
165	95.5	65.1	125.1

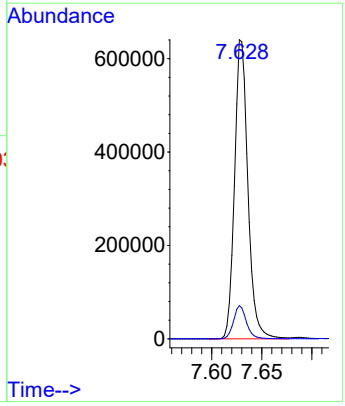


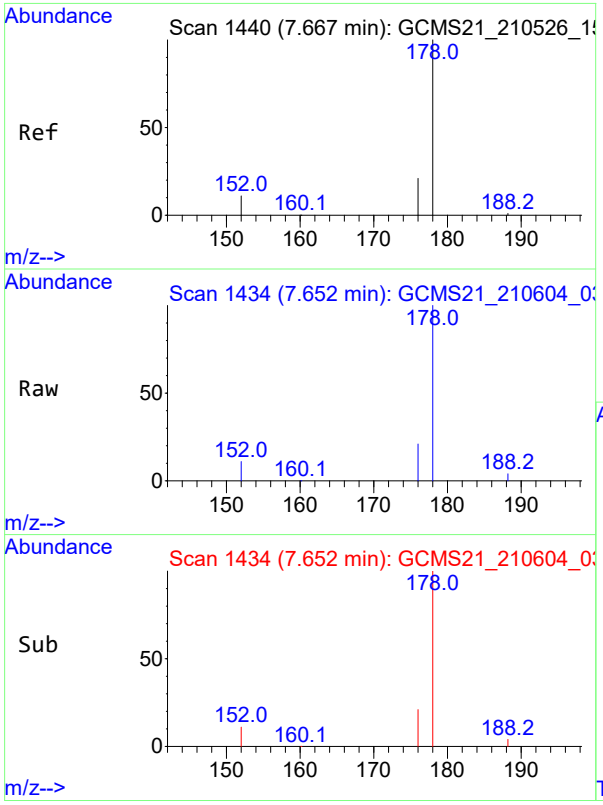


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.628 min Scan# 1424
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:188 Resp: 592485

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	41.1

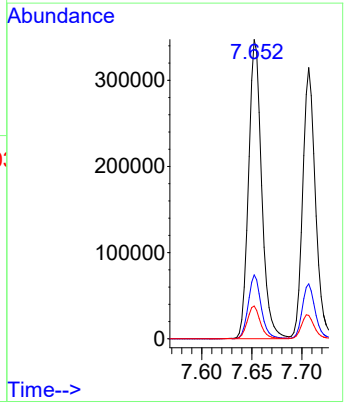


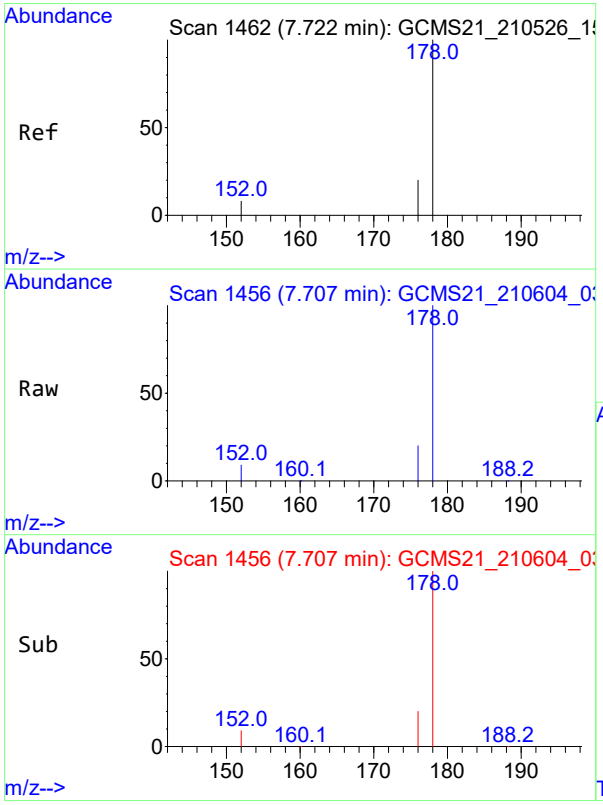


#12
Phenanthrene
Concen: 220.30 ng/mL
RT: 7.652 min Scan# 1434
Delta R.T. 0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:178 Resp: 315018

Ion	Ratio	Lower	Upper
178	100		
176	21.0	0.0	51.1
152	11.0	0.0	40.5

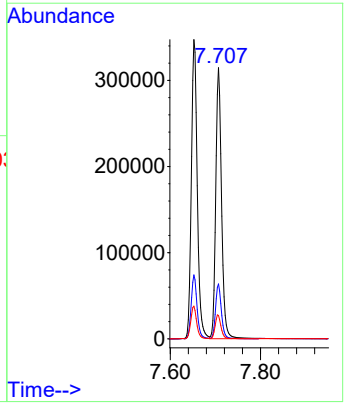


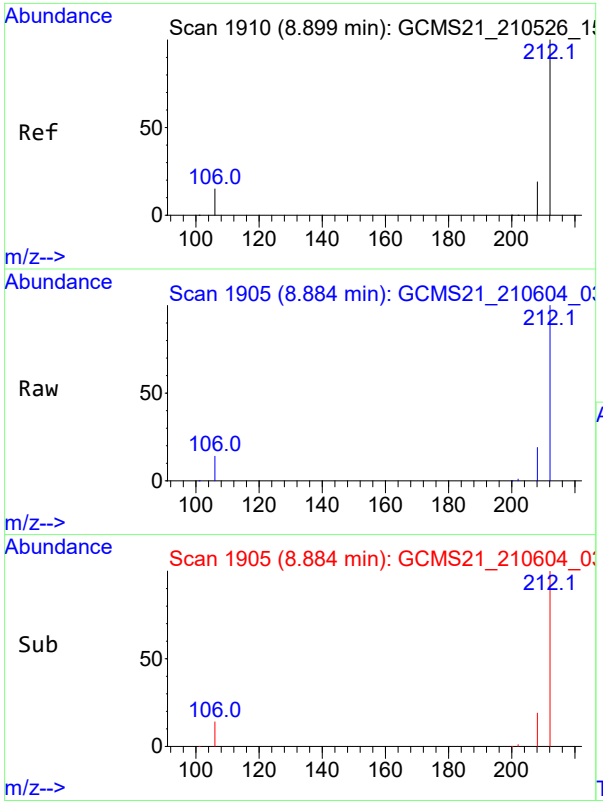


#13
Anthracene
Concen: 235.91 ng/mL
RT: 7.707 min Scan# 1456
Delta R.T. 0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:178 Resp: 280502

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.0
152	8.9	0.0	38.2

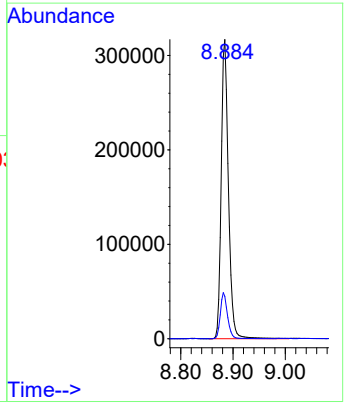


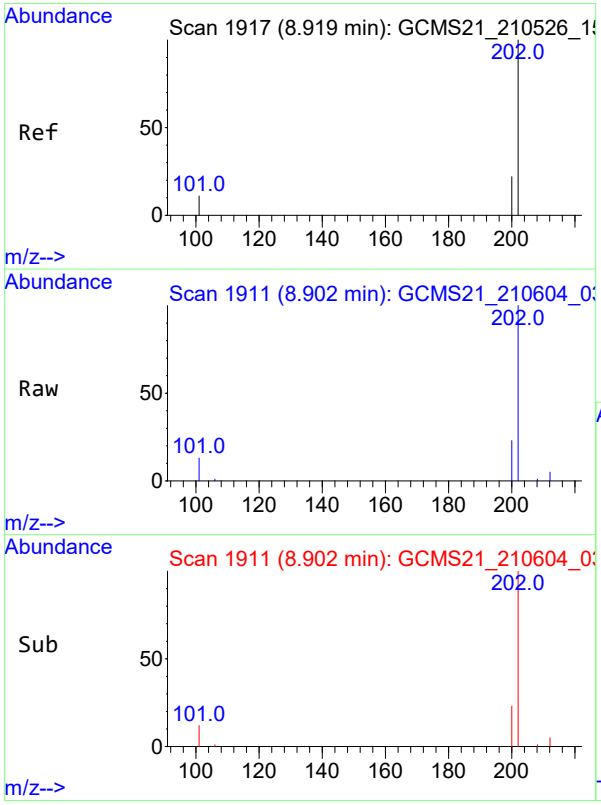


#14
Fluoranthene-D10
Concen: 235.71 ng/mL
RT: 8.884 min Scan# 1905
Delta R.T. 0.003 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:212 Resp: 302397

Ion	Ratio	Lower	Upper
212	100		
106	15.3	0.0	43.1

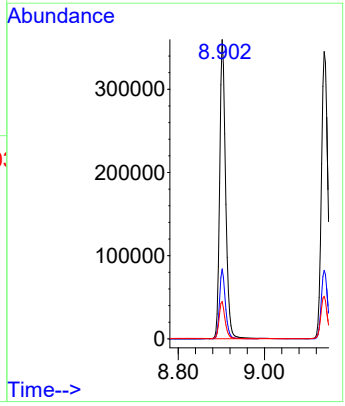


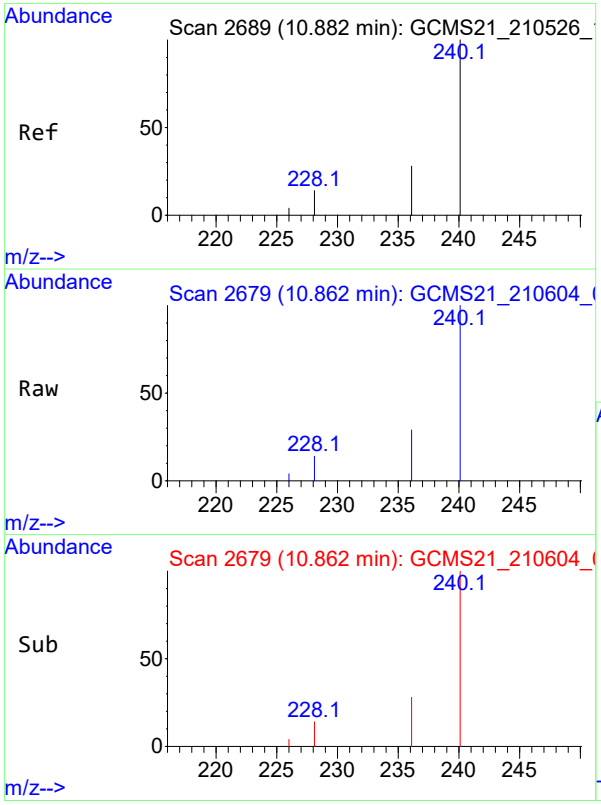


#15
Fluoranthene
Concen: 227.13 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.003 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:202 Resp: 342781

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.3
101	12.4	0.0	41.8

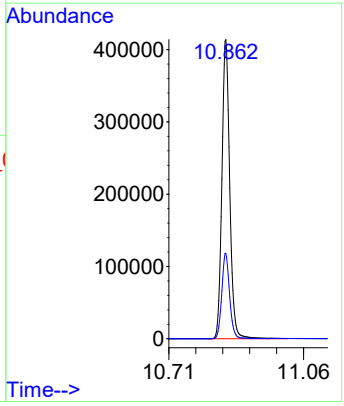


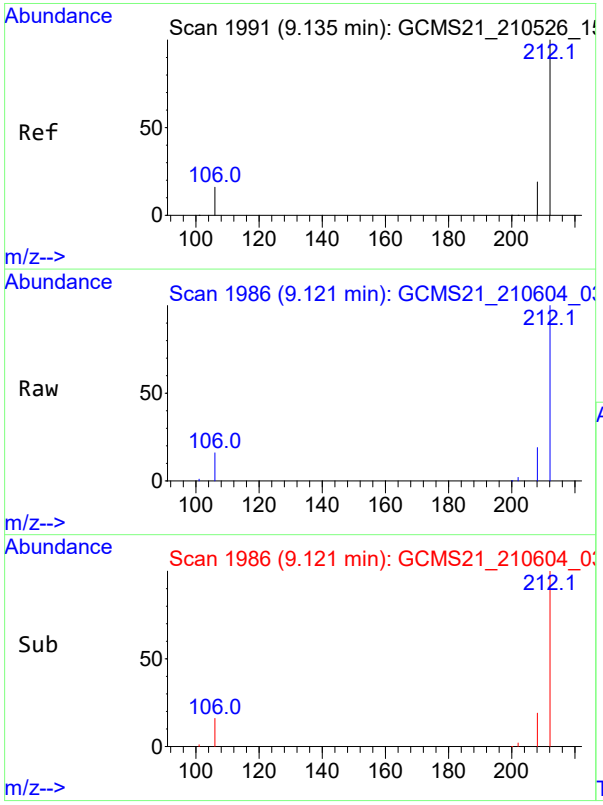


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.862 min Scan# 2679
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:240 Resp: 586025

Ion	Ratio	Lower	Upper
240	100		
236	28.6	0.0	58.5

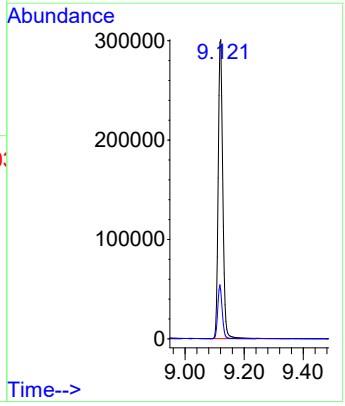


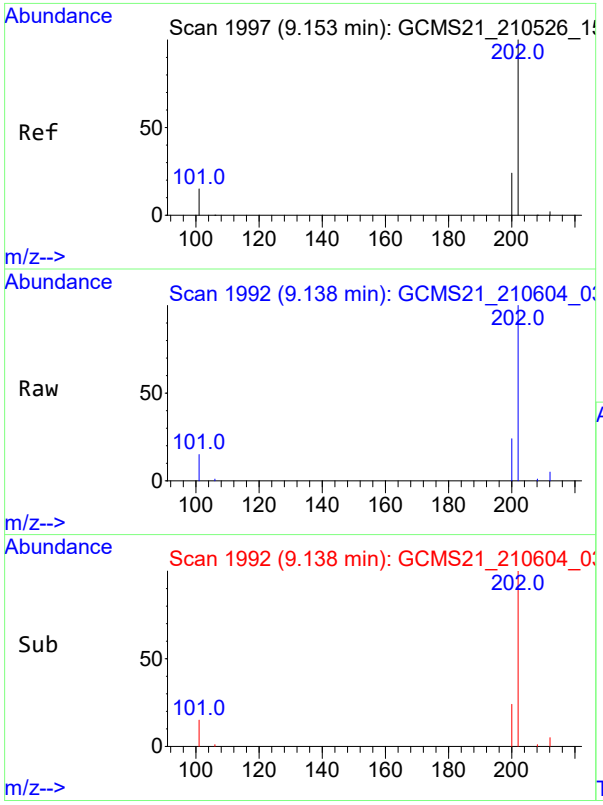


#17
Pyrene-D10
Concen: 240.86 ng/mL
RT: 9.121 min Scan# 1986
Delta R.T. 0.001 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:212 Resp: 322040

Ion	Ratio	Lower	Upper
212	100		
106	17.7	0.0	46.3

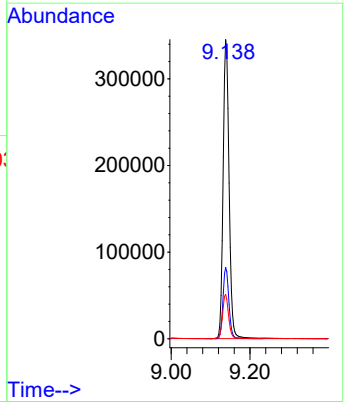


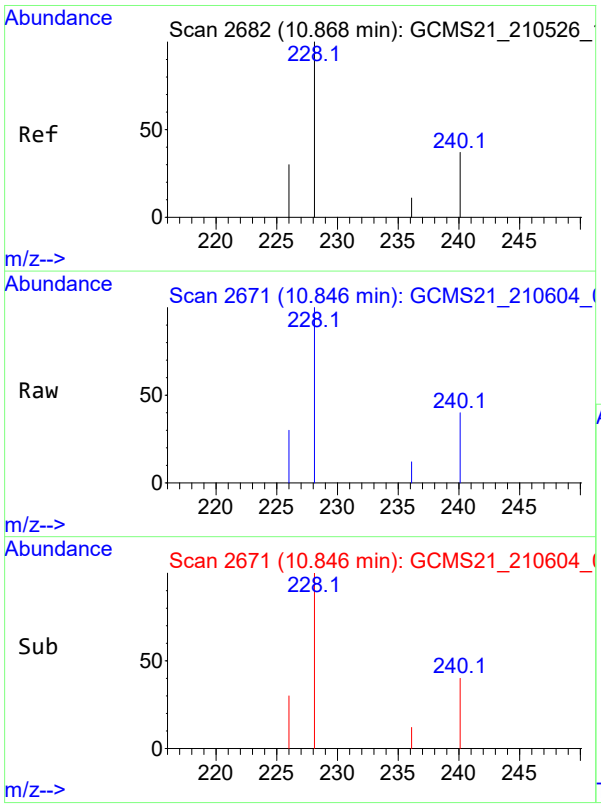


#18
Pyrene
Concen: 231.90 ng/mL
RT: 9.138 min Scan# 1992
Delta R.T. -0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:202 Resp: 362188

Ion	Ratio	Lower	Upper
202	100		
200	23.7	0.0	53.3
101	14.7	0.0	43.2

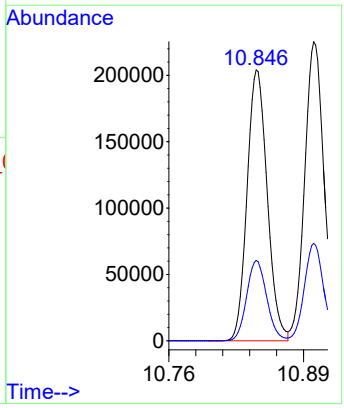


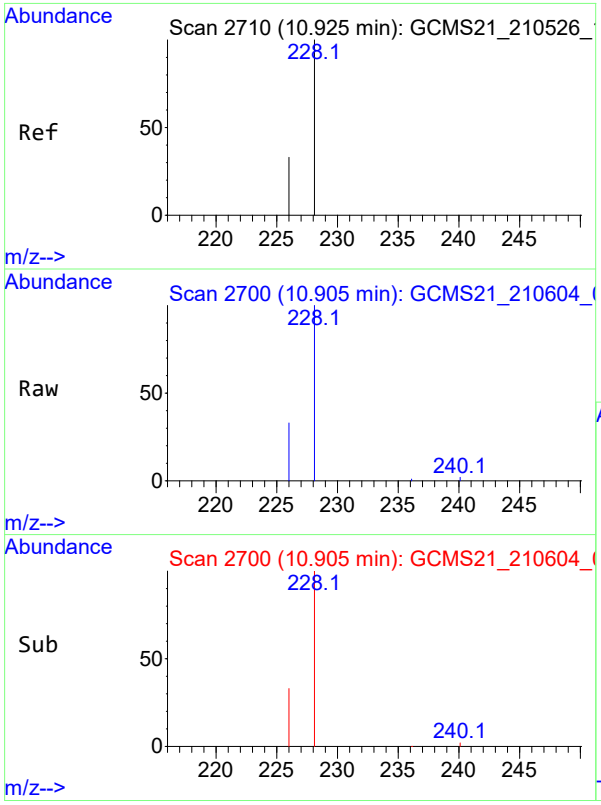


#19
Benzo(a)anthracene
Concen: 249.64 ng/mL
RT: 10.846 min Scan# 2671
Delta R.T. -0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:228 Resp: 294260

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.2

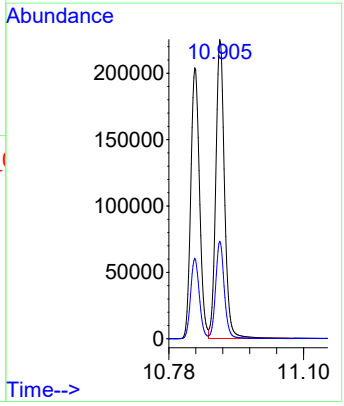


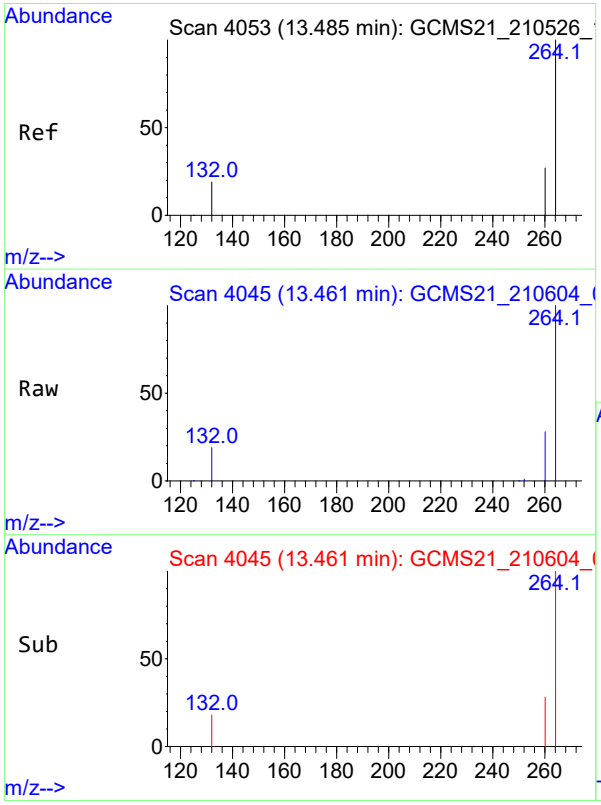


#20
Chrysene
Concen: 221.75 ng/mL
RT: 10.905 min Scan# 2700
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:228 Resp: 322702

Ion	Ratio	Lower	Upper
228	100		
226	32.5	1.9	61.9

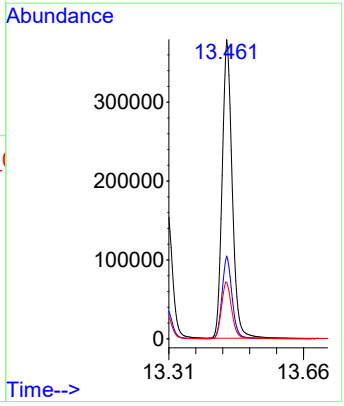


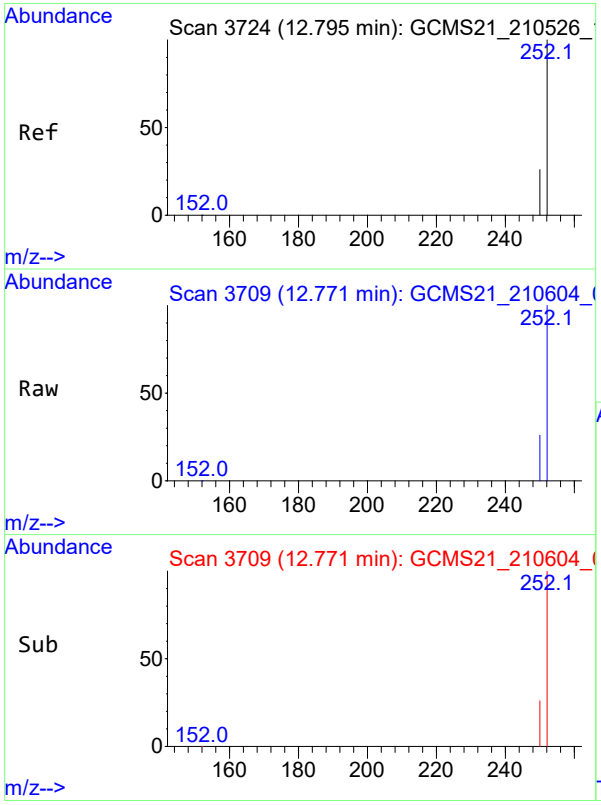


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.461 min Scan# 4045
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:264 Resp: 677129

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.7
132	19.5	0.0	49.0

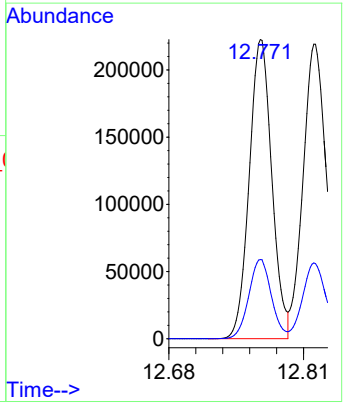


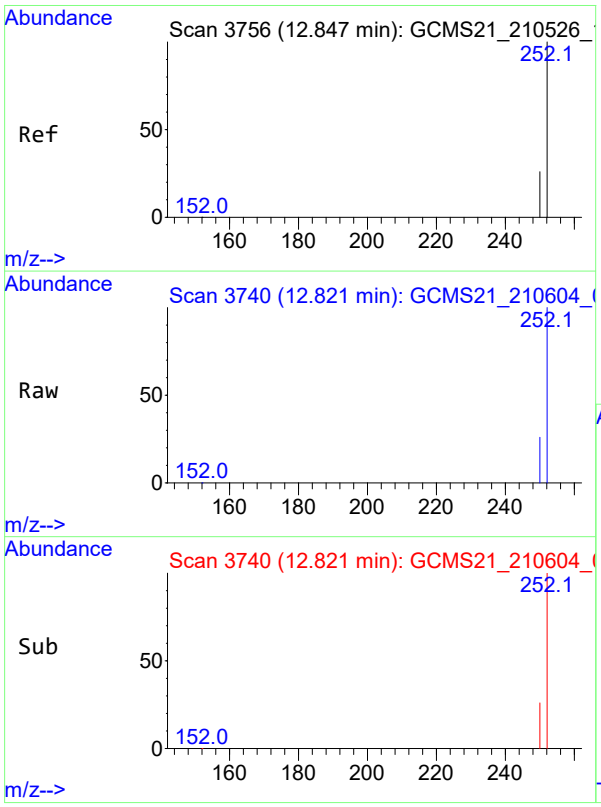


#22
Benzo(b)fluoranthene
Concen: 233.85 ng/mL
RT: 12.771 min Scan# 3709
Delta R.T. -0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 328688

Ion	Ratio	Lower	Upper
252	100		
250	26.5	0.0	56.1

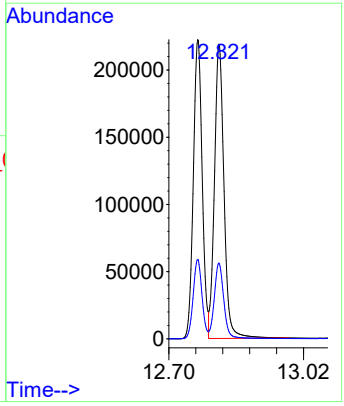


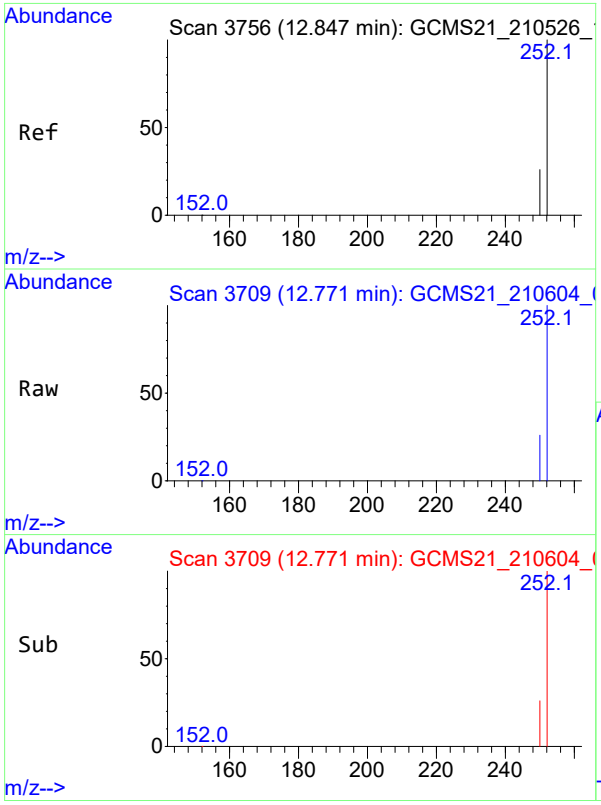


#23
Benzo(k)fluoranthene
Concen: 223.71 ng/mL
RT: 12.821 min Scan# 3740
Delta R.T. -0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 348482

Ion	Ratio	Lower	Upper
252	100		
250	25.4	0.0	55.4

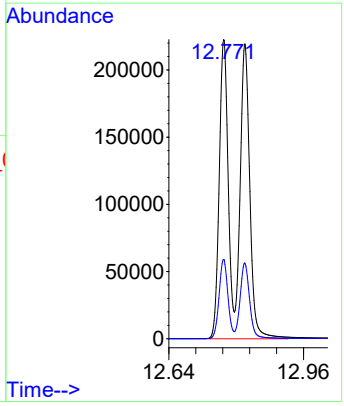


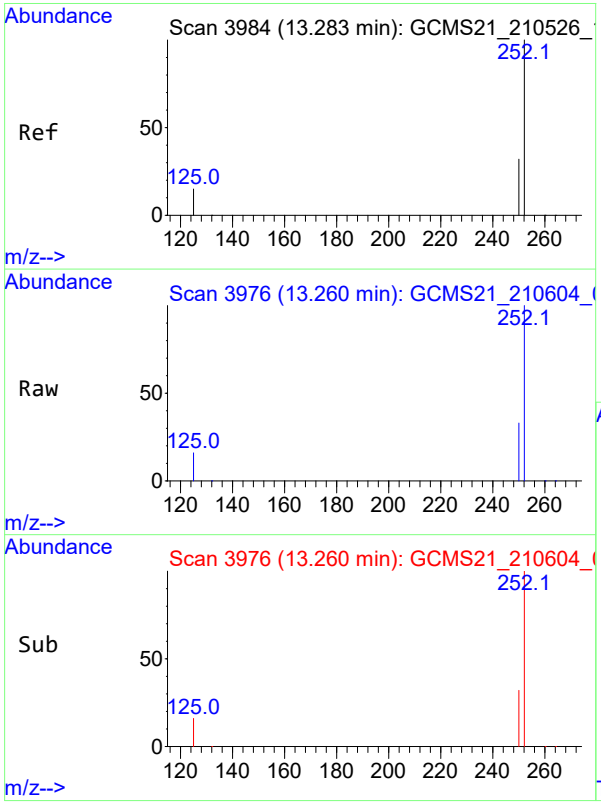


#24
benzo(b+k)fluoranthene (sum)
Concen: 444.87 ng/mL m
RT: 12.771 min Scan# 3709
Delta R.T. -0.052 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 679422

Ion	Ratio	Lower	Upper
252	100		
250	25.9	0.0	55.4

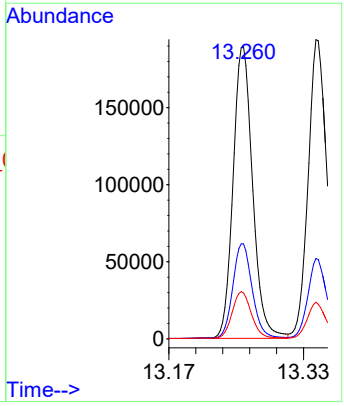


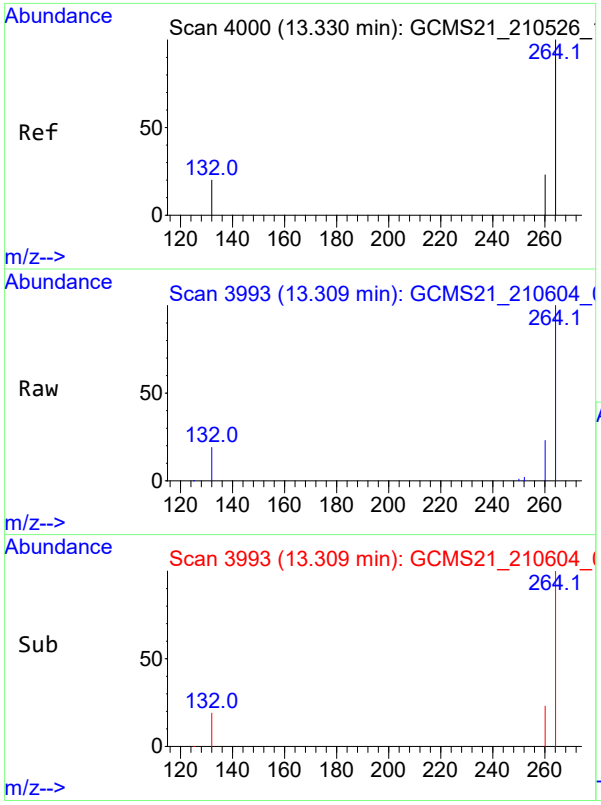


#25
Benzo(e)pyrene
Concen: 226.95 ng/mL
RT: 13.260 min Scan# 3976
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 321736

Ion	Ratio	Lower	Upper
252	100		
250	32.4	2.1	62.1
125	16.2	0.0	45.8

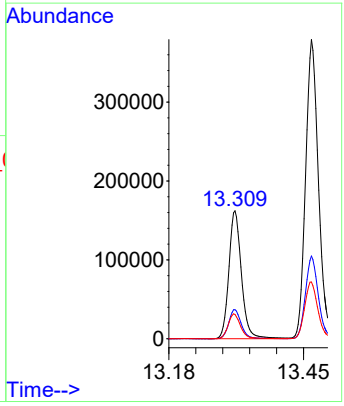


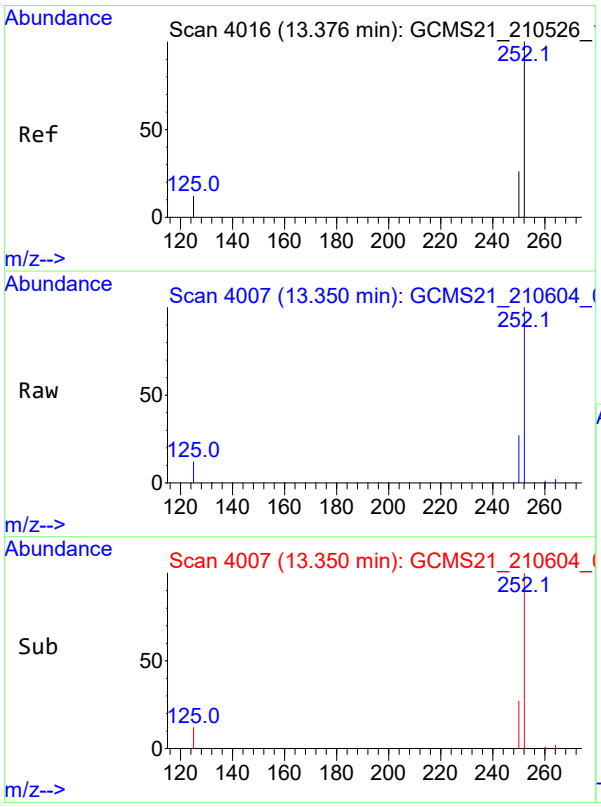


#26
Benzo(a)pyrene-D12
Concen: 255.73 ng/mL
RT: 13.309 min Scan# 3993
Delta R.T. -0.003 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:264 Resp: 281335

Ion	Ratio	Lower	Upper
264	100		
260	22.9	0.0	52.9
132	19.3	0.0	48.4

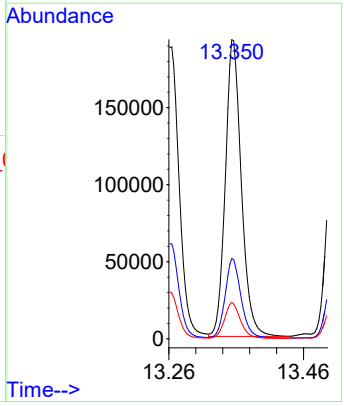


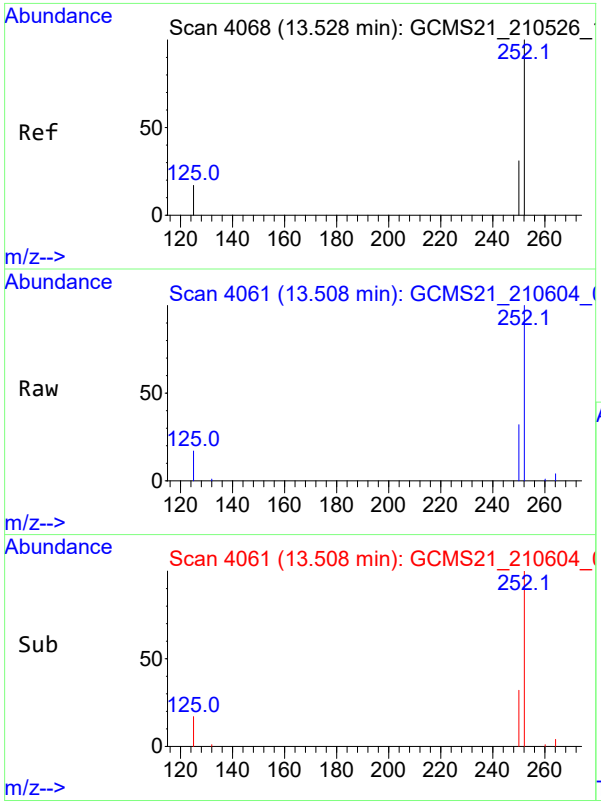


#27
Benzo(a)pyrene
Concen: 251.65 ng/mL
RT: 13.350 min Scan# 4007
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 322812

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.7
125	12.0	0.0	42.1

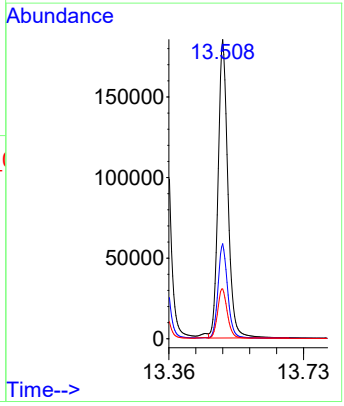


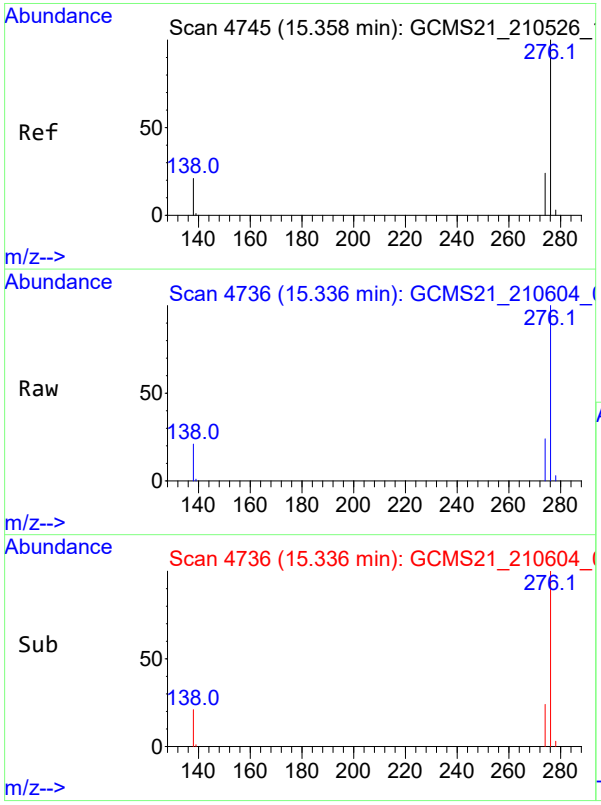


#28
Perylene
Concen: 234.31 ng/mL
RT: 13.508 min Scan# 4061
Delta R.T. 0.003 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 337545

Ion	Ratio	Lower	Upper
252	100		
250	31.7	1.2	61.2
125	16.8	0.0	46.5

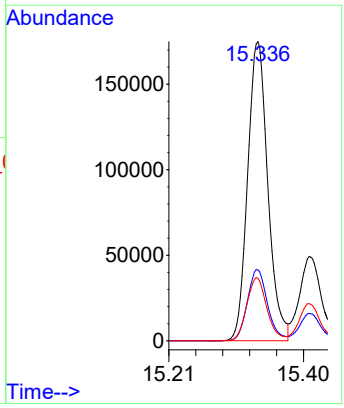


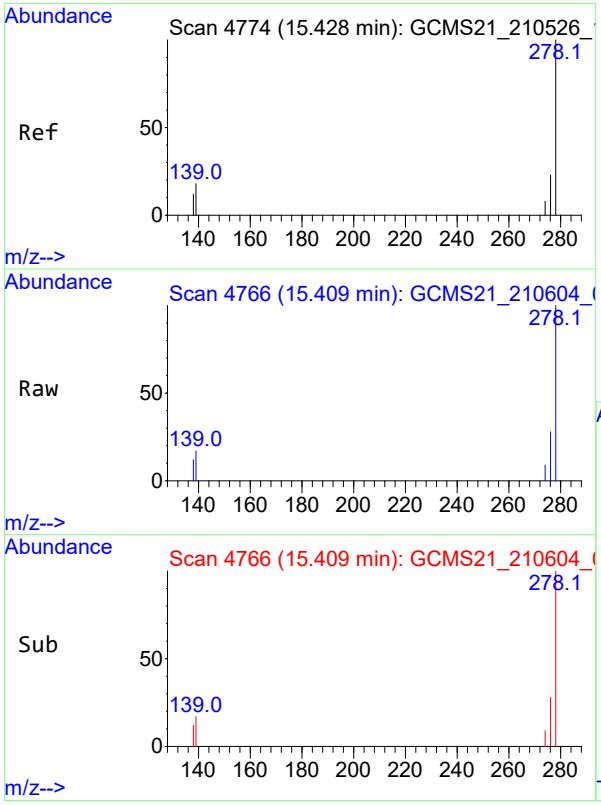


#29
Indeno(1,2,3-cd)pyrene
Concen: 304.98 ng/mL
RT: 15.336 min Scan# 4736
Delta R.T. 0.004 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:276 Resp: 334769

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.5
138	21.0	0.0	50.6

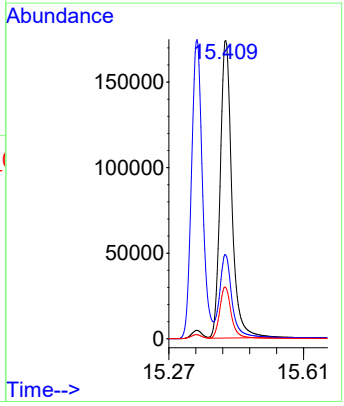


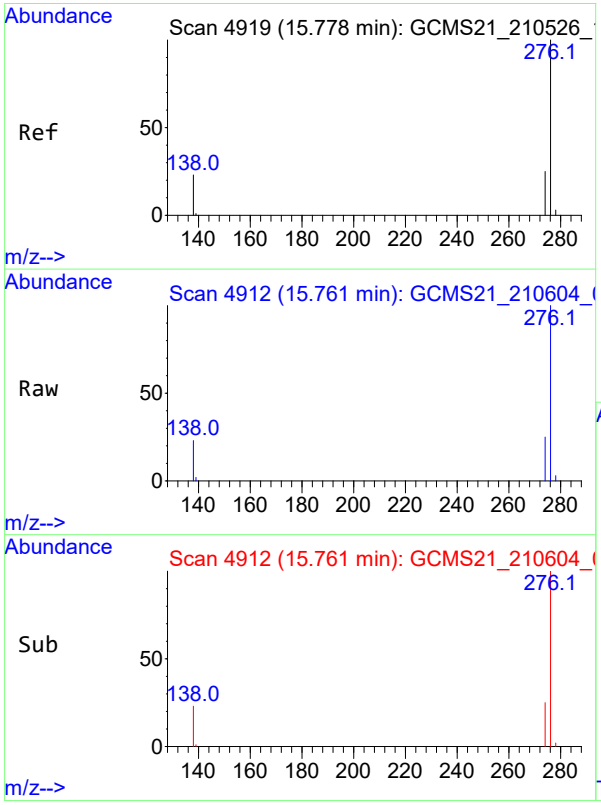


#30
Dibenz(a,h)anthracene
Concen: 323.98 ng/mL
RT: 15.409 min Scan# 4766
Delta R.T. 0.004 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:278 Resp: 354436

Ion	Ratio	Lower	Upper
278	100		
276	30.5	0.0	58.7
139	17.2	0.0	47.2

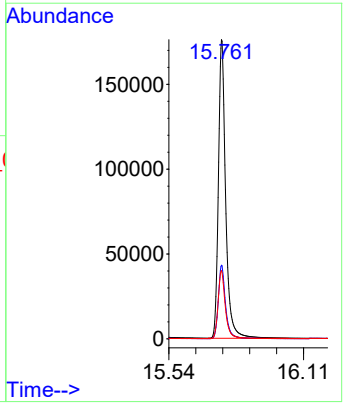




#31
Benzo(g,h,i)perylene
Concen: 266.06 ng/mL
RT: 15.761 min Scan# 4912
Delta R.T. 0.004 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:276 Resp: 379456

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.2
138	22.7	0.0	52.4



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_03.D
Acq On : 04 Jun 2021 09:30
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 12:00:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

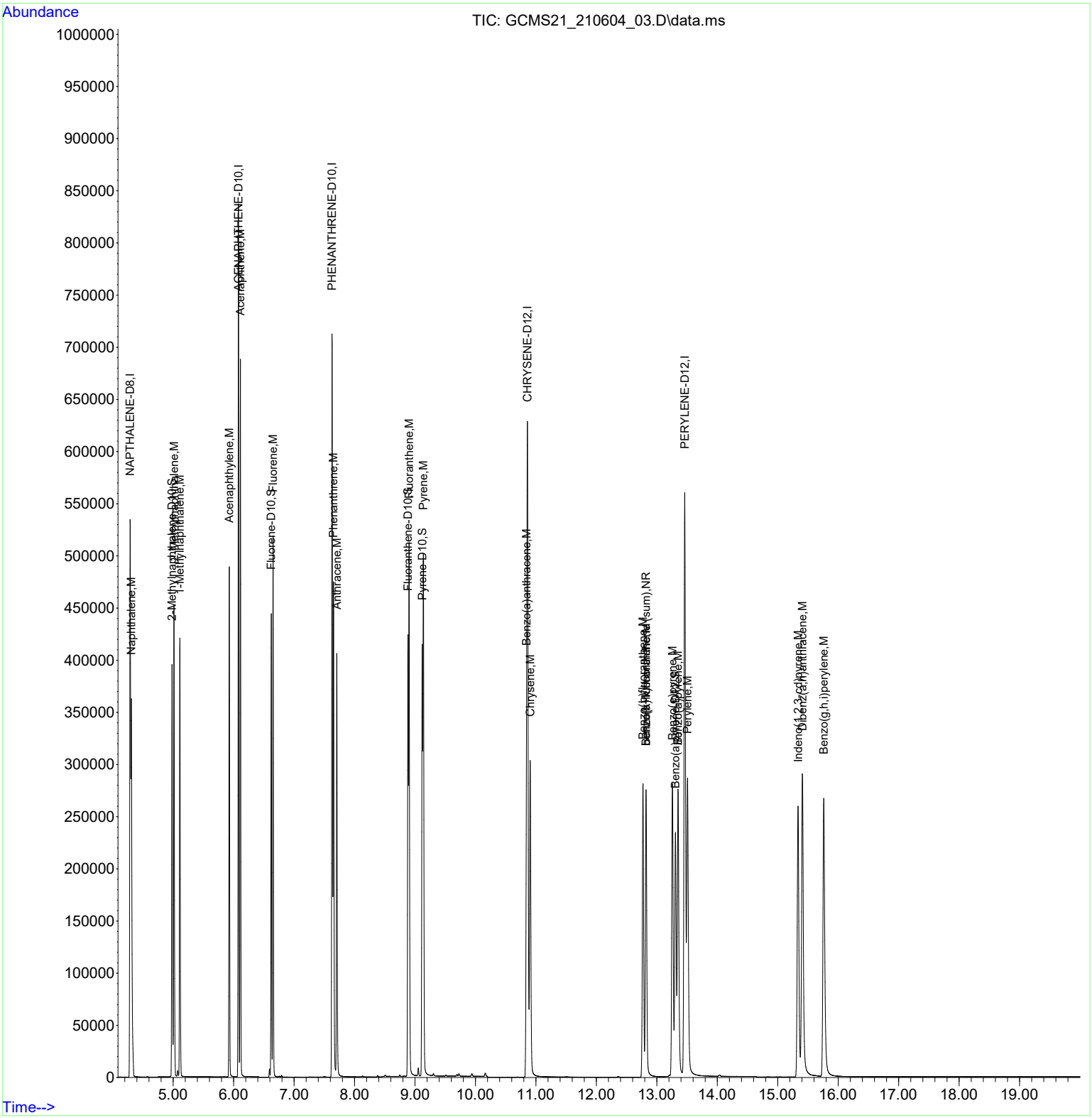
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.288	136	575675	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.079	164	312596	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.628	188	592485	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.862	240	586025	500.00	ng/mL	0.00
21) PERYLENE-D12	13.461	264	677129	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.981	152	169072	233.35	ng/mL	0.00
9) Fluorene-D10	6.623	176	173478	231.80	ng/mL	0.00
14) Fluoranthene-D10	8.884	212	302397	235.71	ng/mL	0.00
17) Pyrene-D10	9.121	212	322040	240.86	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.309	264	281335	255.73	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.308	128	265751	240.59	ng/mL	100
4) 2-Methylnaphthalene	5.013	142	180117	221.42	ng/mL	100
5) 1-Methylnaphthalene	5.112	142	163281	240.98	ng/mL	97
7) Acenaphthylene	5.929	152	259349	249.97	ng/mL	99
8) Acenaphthene	6.113	153	184583	232.42	ng/mL	99
10) Fluorene	6.654	166	203355	231.33	ng/mL	100
12) Phenanthrene	7.652	178	315018	220.30	ng/mL	99
13) Anthracene	7.707	178	280502	235.91	ng/mL	99
15) Fluoranthene	8.902	202	342781	227.13	ng/mL	99
18) Pyrene	9.138	202	362188	231.90	ng/mL	98
19) Benzo(a)anthracene	10.846	228	294260	249.64	ng/mL	100
20) Chrysene	10.905	228	322702	221.75	ng/mL	99
22) Benzo(b)fluoranthene	12.771	252	328688	233.85	ng/mL	99
23) Benzo(k)fluoranthene	12.821	252	348482	223.71	ng/mL	100
24) benzo(b+k)fluoranthene...	12.821	252	350574	229.55	ng/mL	100
25) Benzo(e)pyrene	13.260	252	321736	226.95	ng/mL	99
27) Benzo(a)pyrene	13.350	252	322812	251.65	ng/mL	100
28) Perylene	13.508	252	337545	234.31	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.336	276	334769	304.98	ng/mL	99
30) Dibenz(a,h)anthracene	15.409	278	354436	323.98	ng/mL	98
31) Benzo(g,h,i)perylene	15.761	276	379456	266.06	ng/mL	99

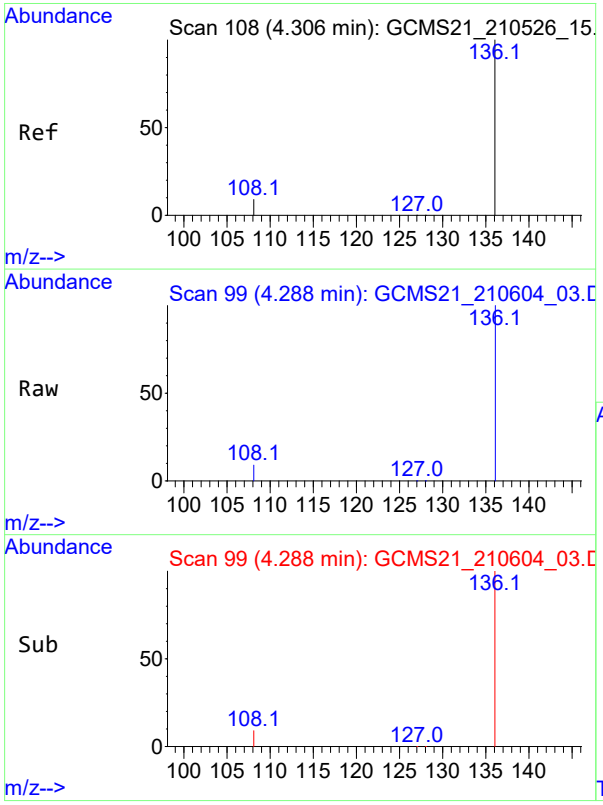
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_03.D
Acq On : 04 Jun 2021 09:30
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 12:00:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

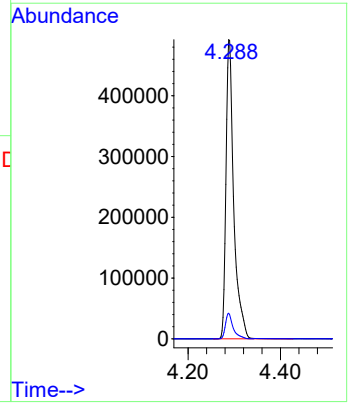


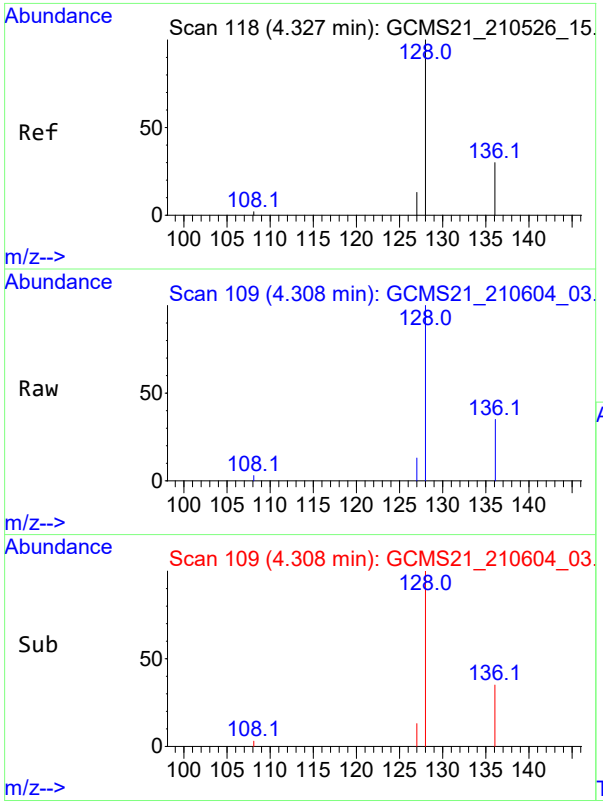


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.288 min Scan# 99
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:136 Resp: 575675

Ion	Ratio	Lower	Upper
136	100		
108	8.4	0.0	28.6

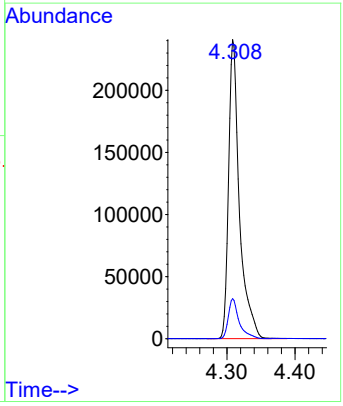


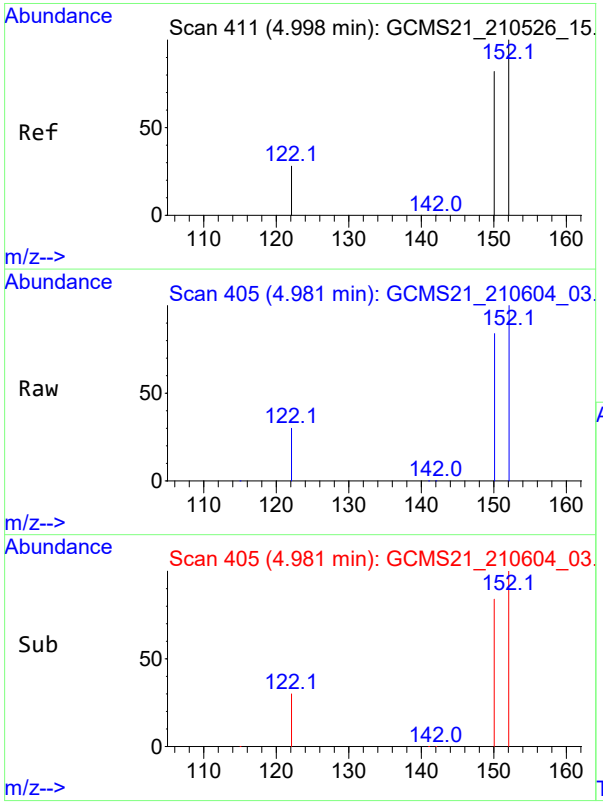


#2
Naphthalene
Concen: 240.59 ng/mL
RT: 4.308 min Scan# 109
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:128 Resp: 265751

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

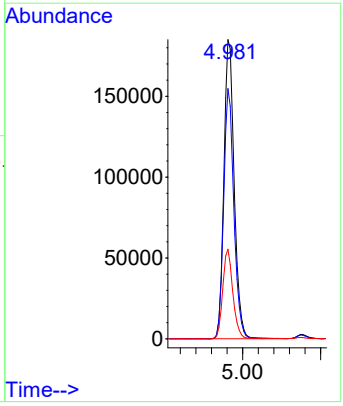


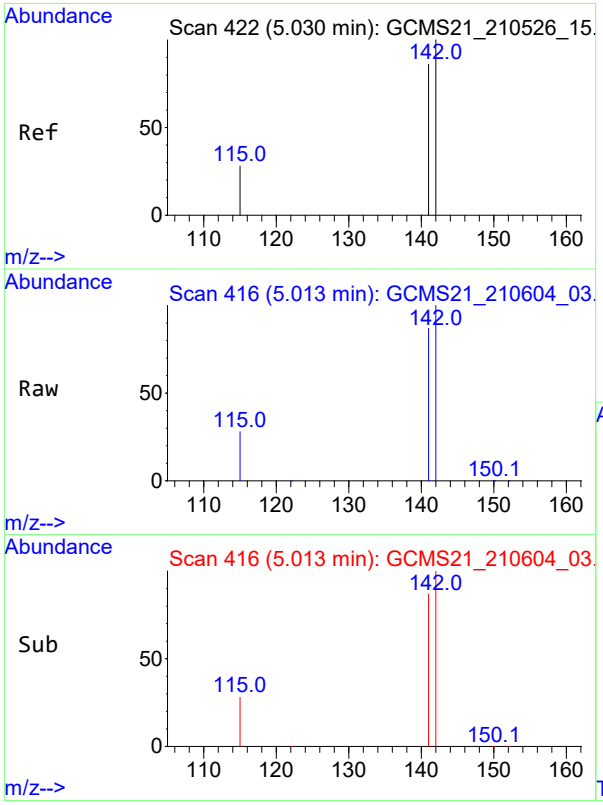


#3
2-Methylnaphthalene-D10
Concen: 233.35 ng/mL
RT: 4.981 min Scan# 405
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:152 Resp: 169072

Ion	Ratio	Lower	Upper
152	100		
150	82.6	52.3	112.3
122	29.4	0.0	57.8

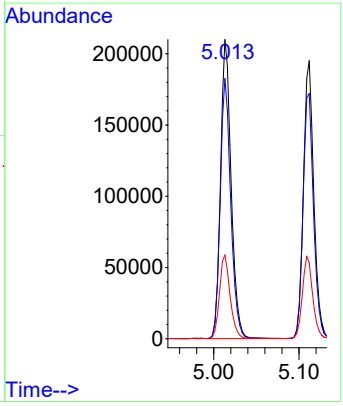


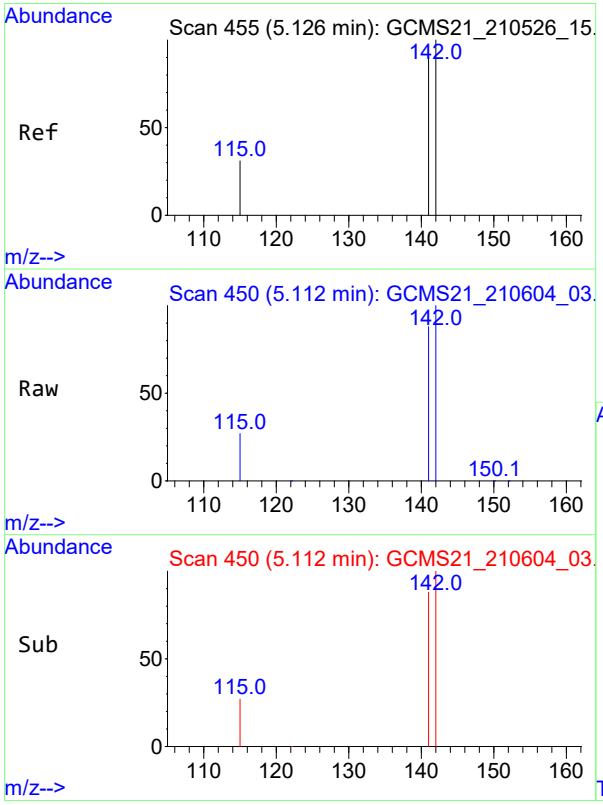


#4
2-Methylnaphthalene
Concen: 221.42 ng/mL
RT: 5.013 min Scan# 416
Delta R.T. -0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:142 Resp: 180117

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.9	116.9
115	27.9	0.0	57.7

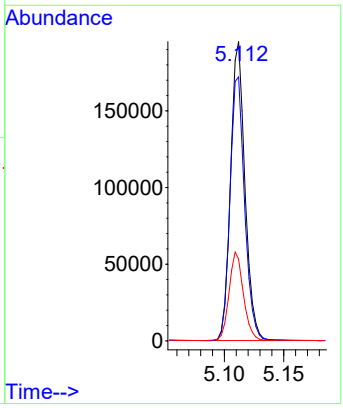


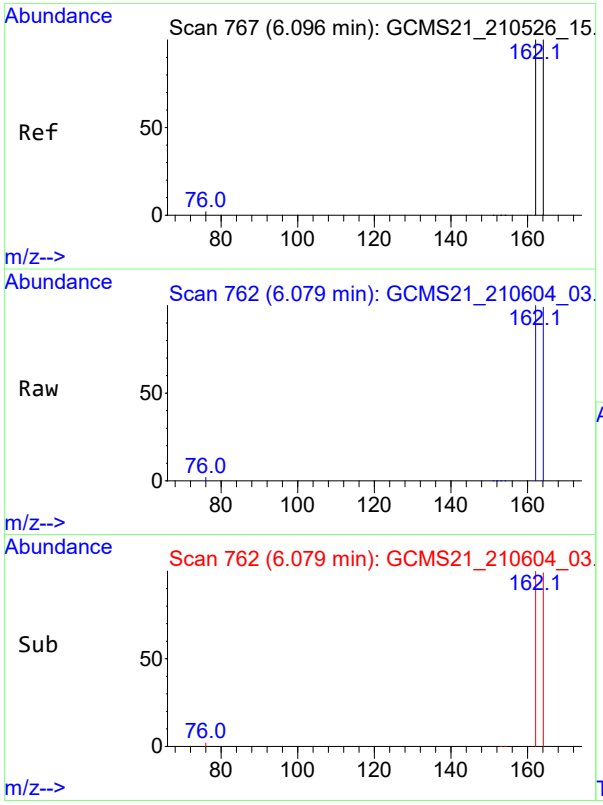


#5
1-Methylnaphthalene
Concen: 240.98 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:142 Resp: 163281

Ion	Ratio	Lower	Upper
142	100		
141	90.1	57.9	117.9
115	29.7	0.0	57.0

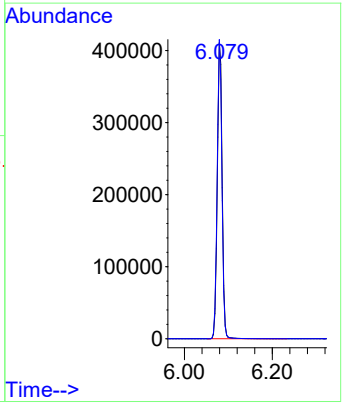


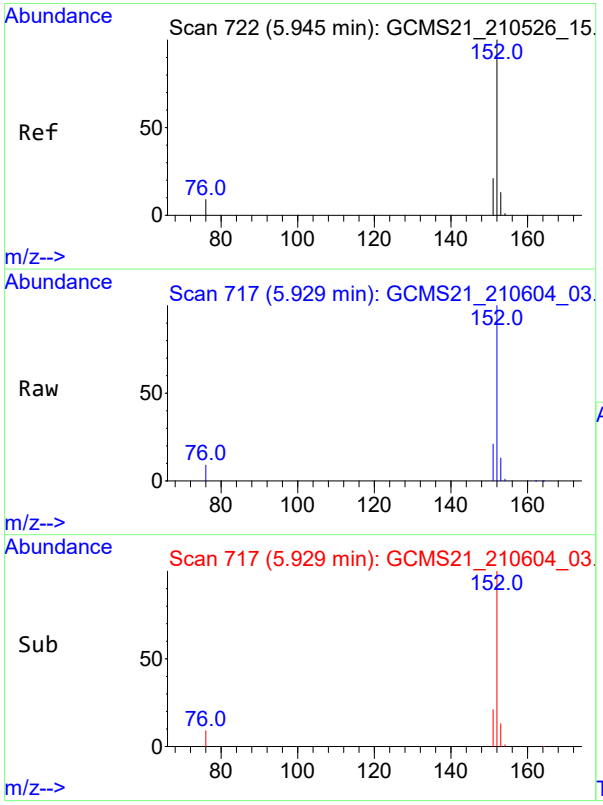


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.079 min Scan# 762
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:164 Resp: 312596

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.0

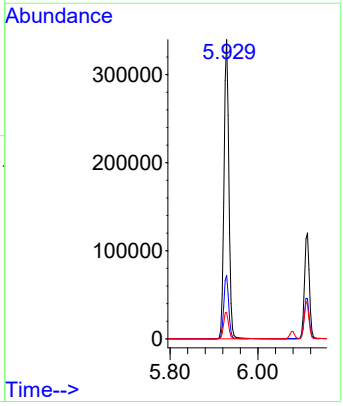


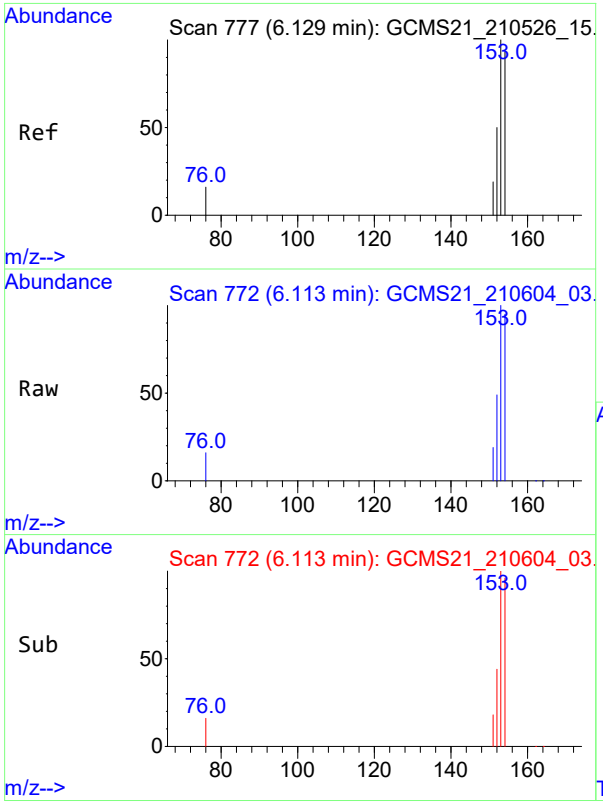


#7
Acenaphthylene
Concen: 249.97 ng/mL
RT: 5.929 min Scan# 717
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:152 Resp: 259349

Ion	Ratio	Lower	Upper
152	100		
151	21.5	0.0	51.0
76	9.2	0.0	38.6

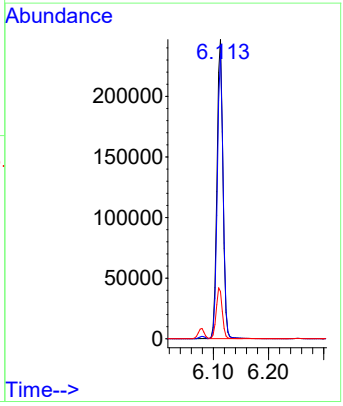


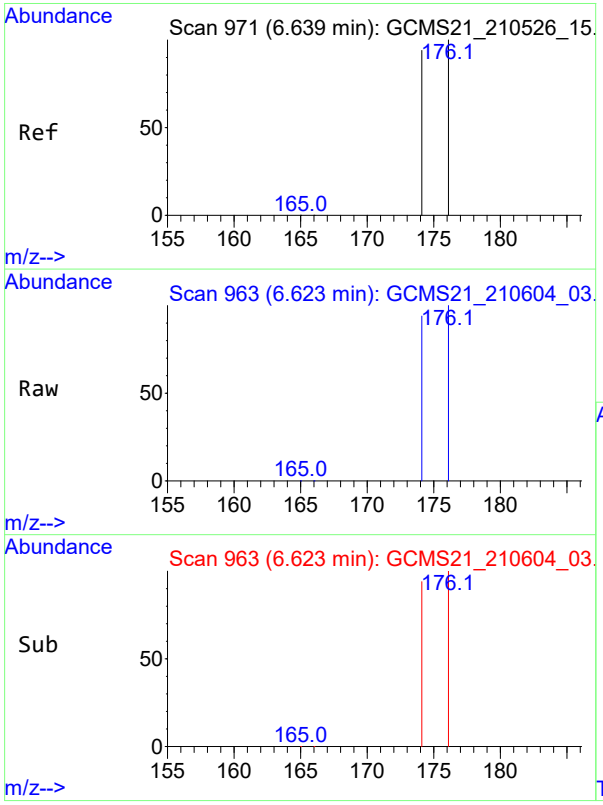


#8
Acenaphthene
Concen: 232.42 ng/mL
RT: 6.113 min Scan# 772
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:153 Resp: 184583

Ion	Ratio	Lower	Upper
153	100		
154	93.7	63.7	123.7
76	17.3	0.0	45.2

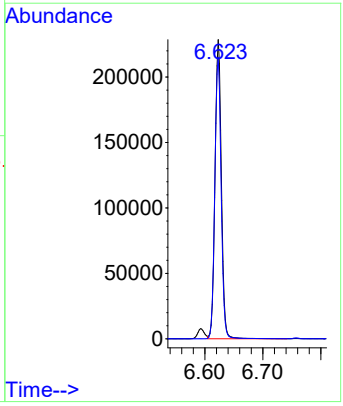


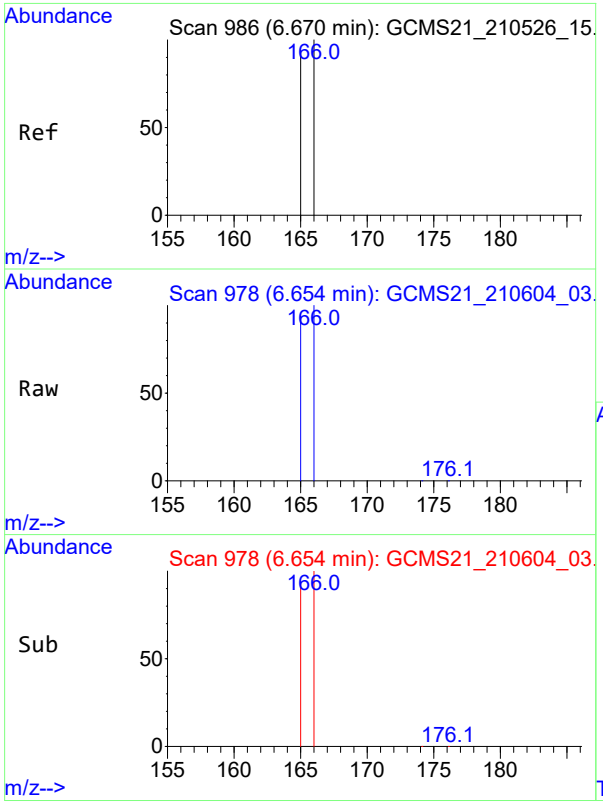


#9
Fluorene-D10
Concen: 231.80 ng/mL
RT: 6.623 min Scan# 963
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:176 Resp: 173478

Ion	Ratio	Lower	Upper
176	100		
174	93.8	63.9	123.9

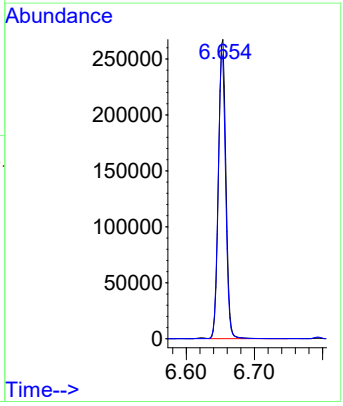


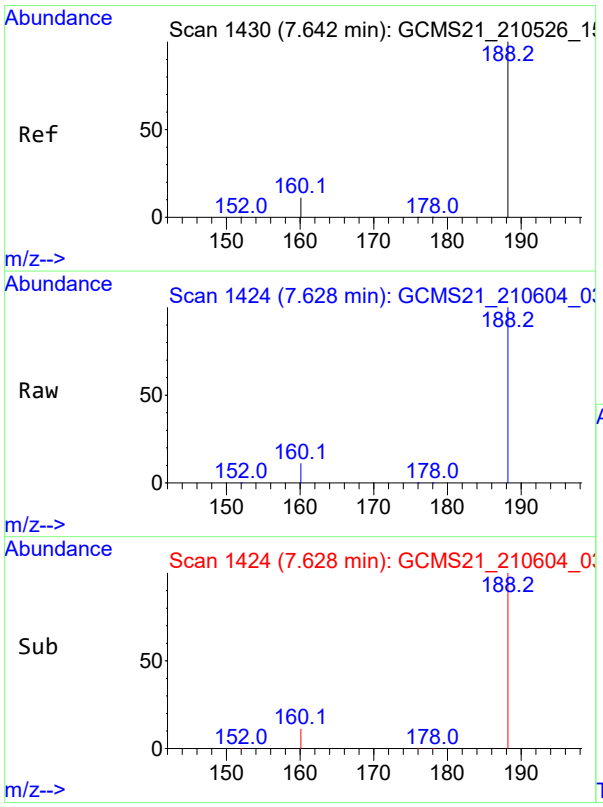


#10
Fluorene
Concen: 231.33 ng/mL
RT: 6.654 min Scan# 978
Delta R.T. 0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:166 Resp: 203355

Ion	Ratio	Lower	Upper
166	100		
165	95.5	65.1	125.1

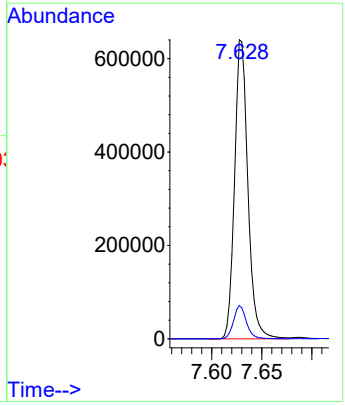


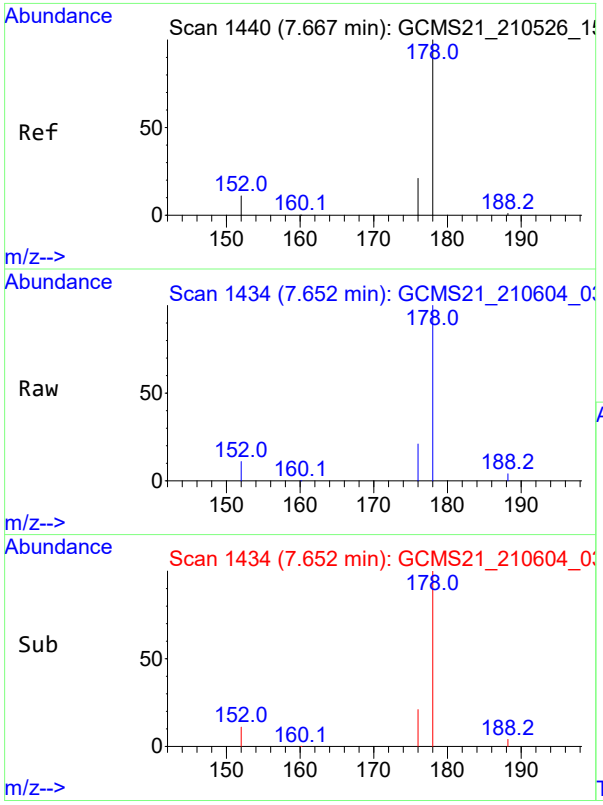


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.628 min Scan# 1424
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:188 Resp: 592485

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	41.1

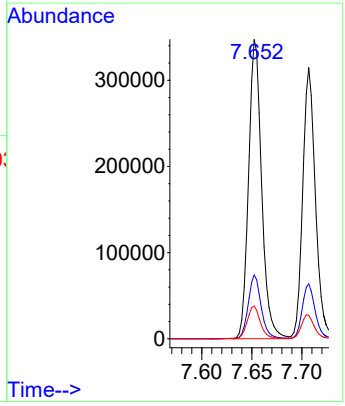


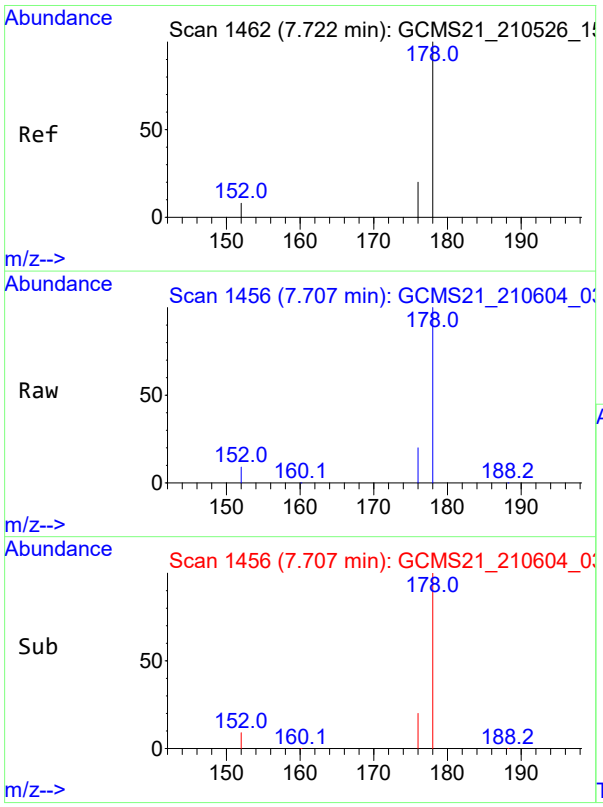


#12
Phenanthrene
Concen: 220.30 ng/mL
RT: 7.652 min Scan# 1434
Delta R.T. 0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:178 Resp: 315018

Ion	Ratio	Lower	Upper
178	100		
176	21.0	0.0	51.1
152	11.0	0.0	40.5

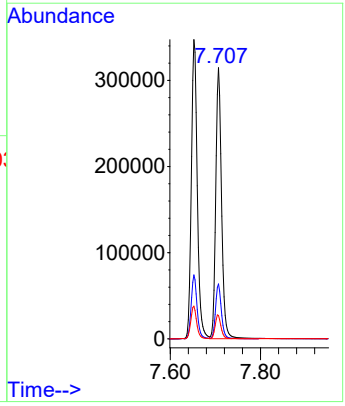


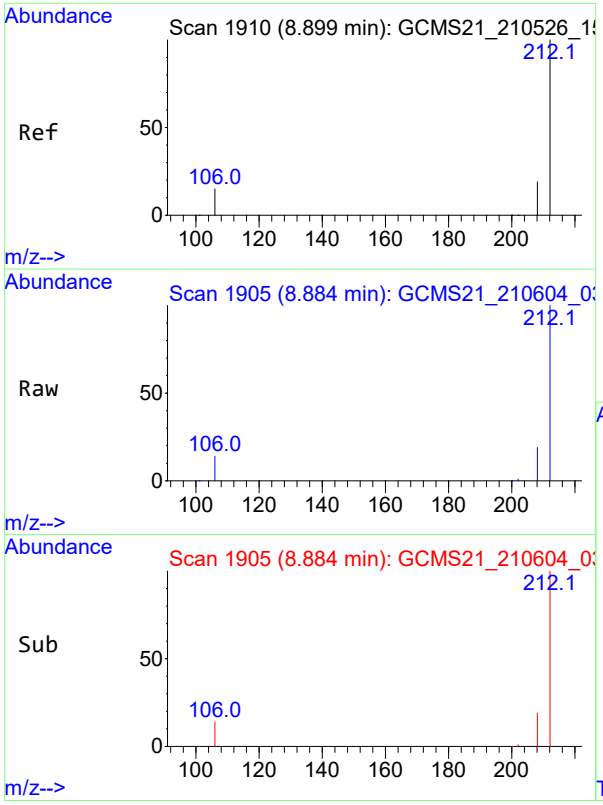


#13
Anthracene
Concen: 235.91 ng/mL
RT: 7.707 min Scan# 1456
Delta R.T. 0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:178 Resp: 280502

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.0
152	8.9	0.0	38.2

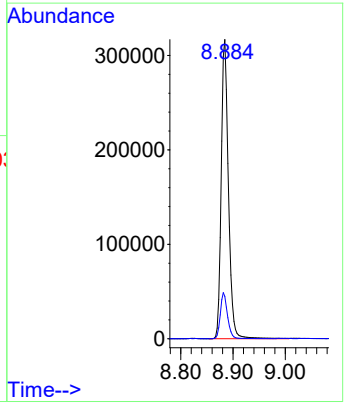


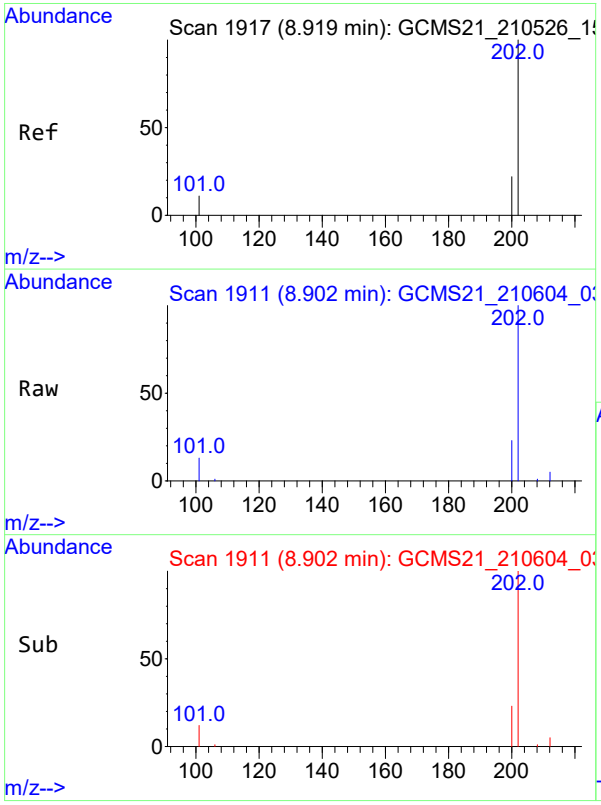


#14
Fluoranthene-D10
Concen: 235.71 ng/mL
RT: 8.884 min Scan# 1905
Delta R.T. 0.003 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:212 Resp: 302397

Ion	Ratio	Lower	Upper
212	100		
106	15.3	0.0	43.1

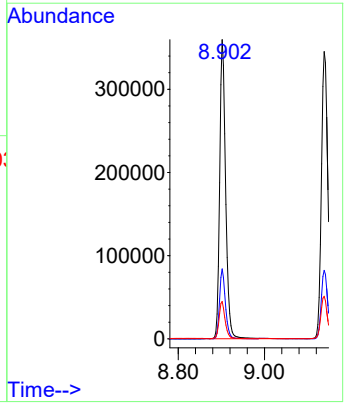


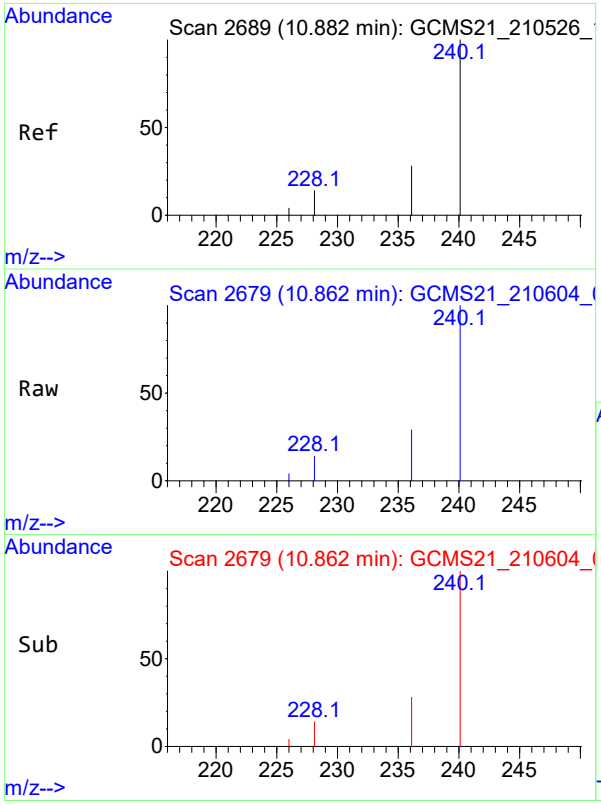


#15
Fluoranthene
Concen: 227.13 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.003 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:202 Resp: 342781

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.3
101	12.4	0.0	41.8

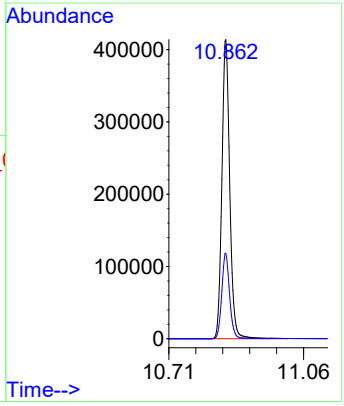


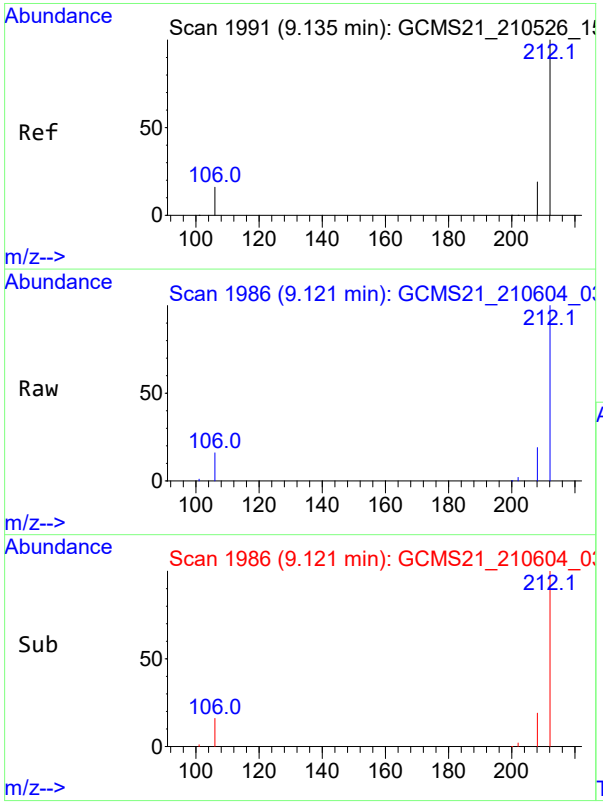


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.862 min Scan# 2679
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:240 Resp: 586025

Ion	Ratio	Lower	Upper
240	100		
236	28.6	0.0	58.5

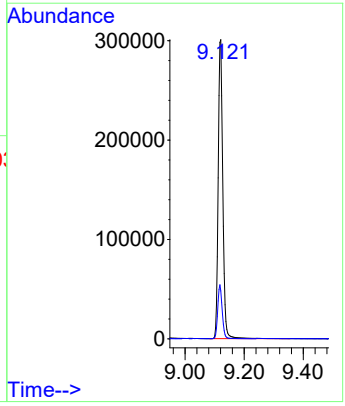


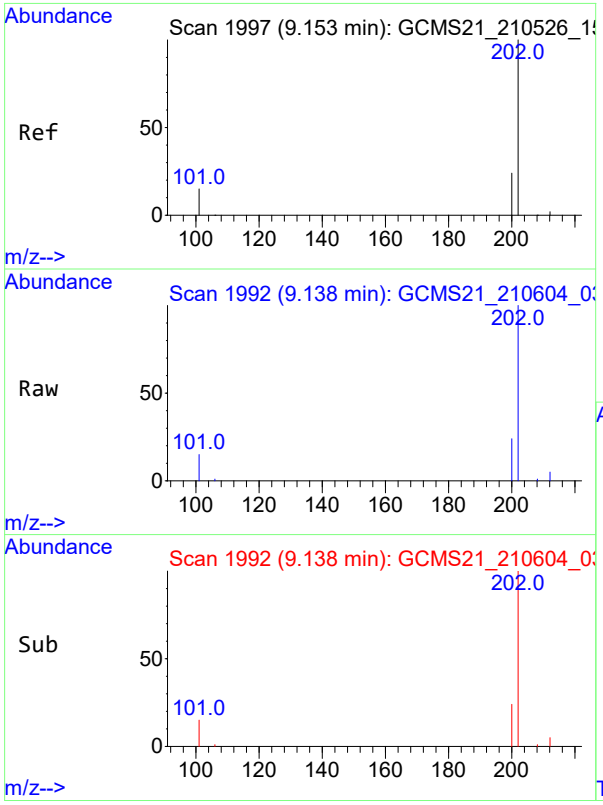


#17
Pyrene-D10
Concen: 240.86 ng/mL
RT: 9.121 min Scan# 1986
Delta R.T. 0.001 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:212 Resp: 322040

Ion	Ratio	Lower	Upper
212	100		
106	17.7	0.0	46.3

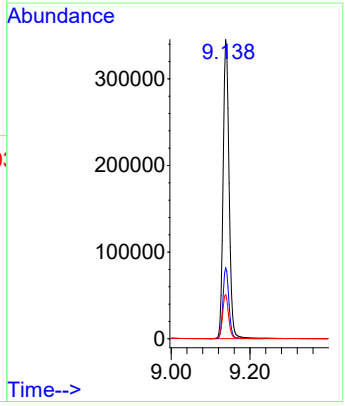


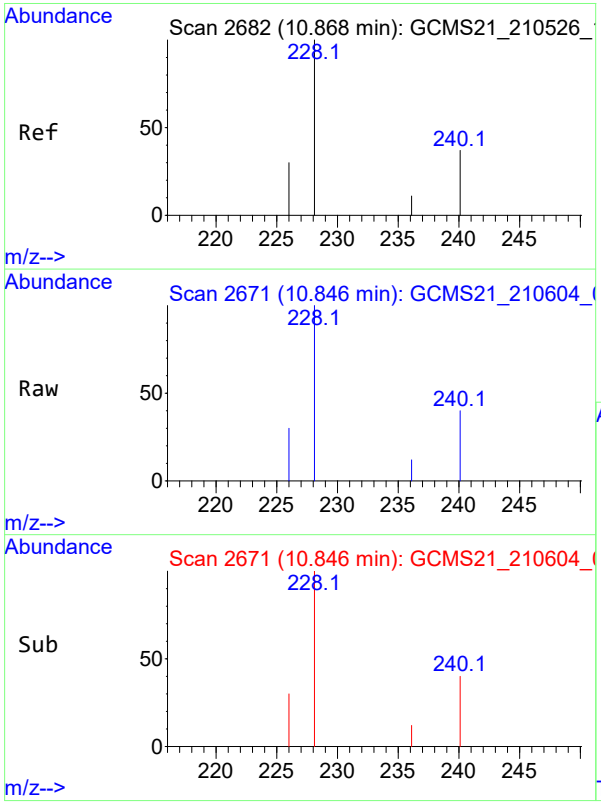


#18
Pyrene
Concen: 231.90 ng/mL
RT: 9.138 min Scan# 1992
Delta R.T. -0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:202 Resp: 362188

Ion	Ratio	Lower	Upper
202	100		
200	23.7	0.0	53.3
101	14.7	0.0	43.2

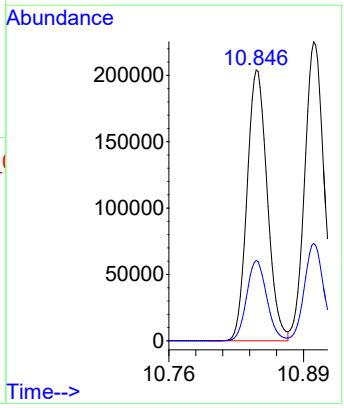


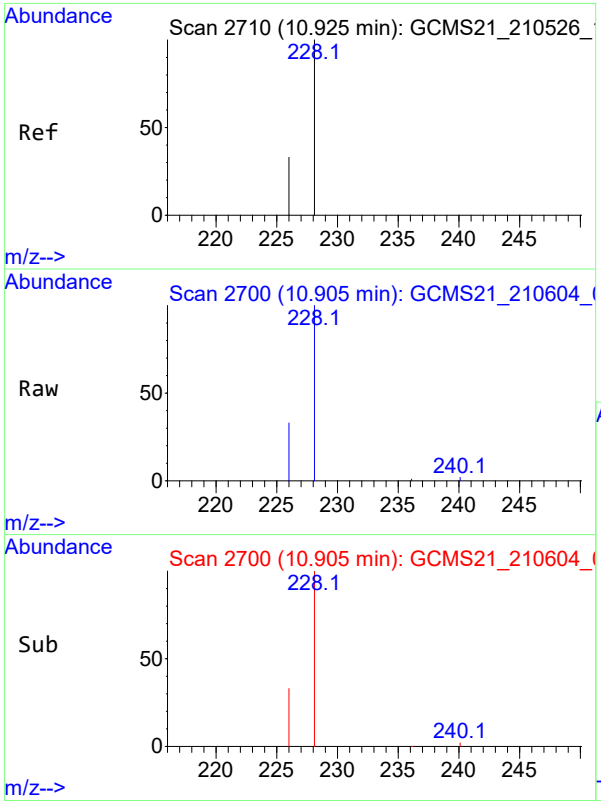


#19
Benzo(a)anthracene
Concen: 249.64 ng/mL
RT: 10.846 min Scan# 2671
Delta R.T. -0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:228 Resp: 294260

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.2

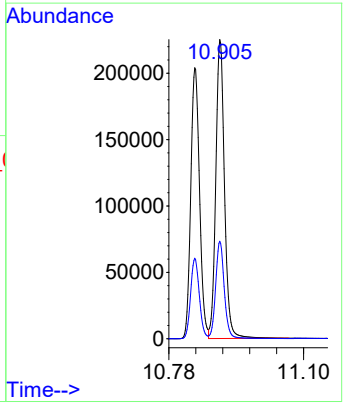


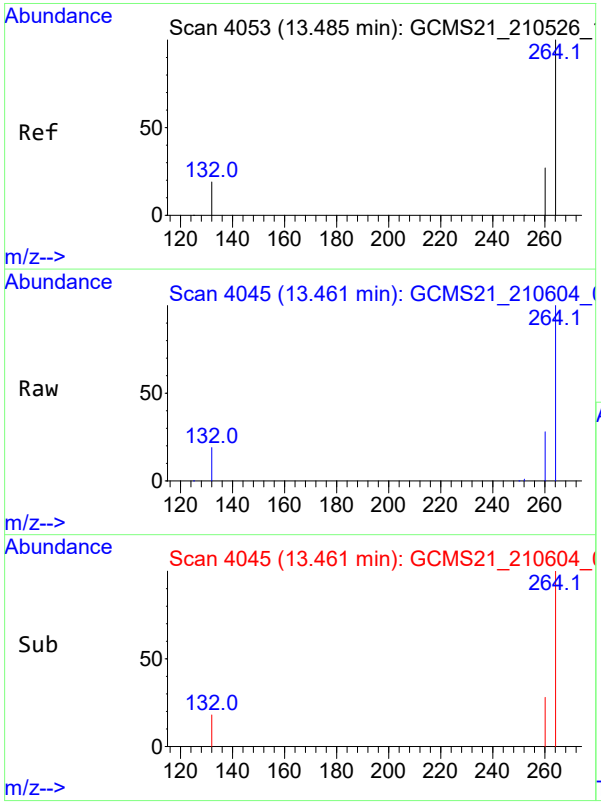


#20
Chrysene
Concen: 221.75 ng/mL
RT: 10.905 min Scan# 2700
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:228 Resp: 322702

Ion	Ratio	Lower	Upper
228	100		
226	32.5	1.9	61.9

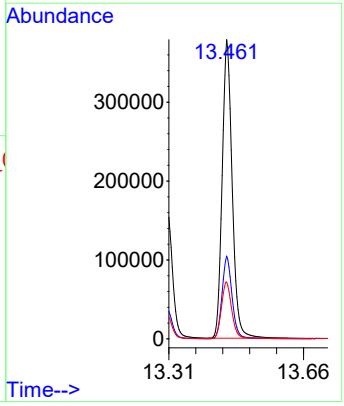


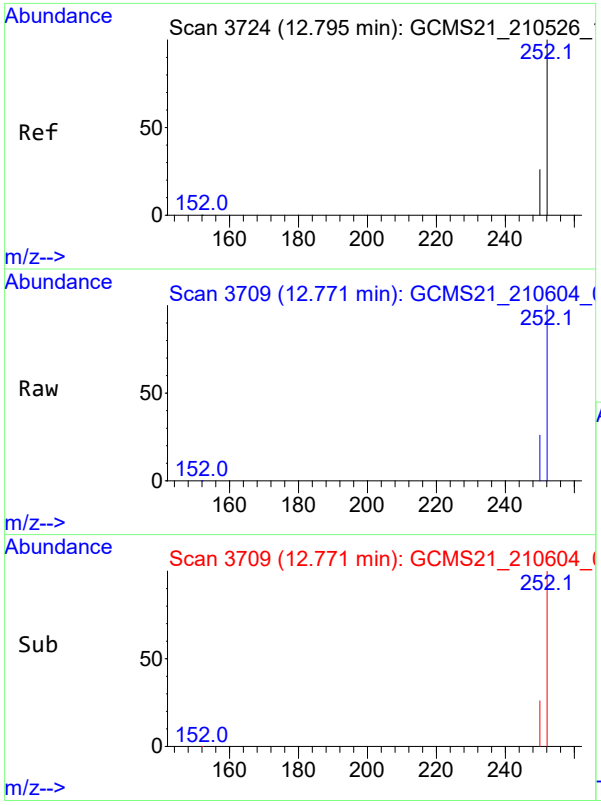


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.461 min Scan# 4045
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:264 Resp: 677129

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.7
132	19.5	0.0	49.0

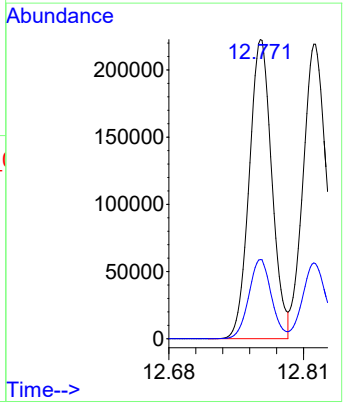


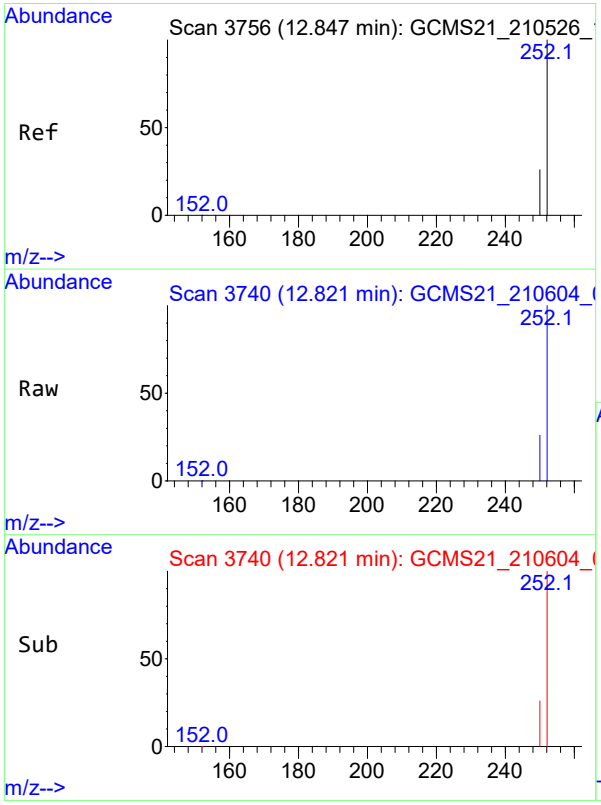


#22
Benzo(b)fluoranthene
Concen: 233.85 ng/mL
RT: 12.771 min Scan# 3709
Delta R.T. -0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 328688

Ion	Ratio	Lower	Upper
252	100		
250	26.5	0.0	56.1

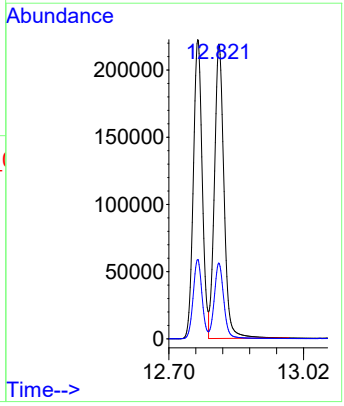


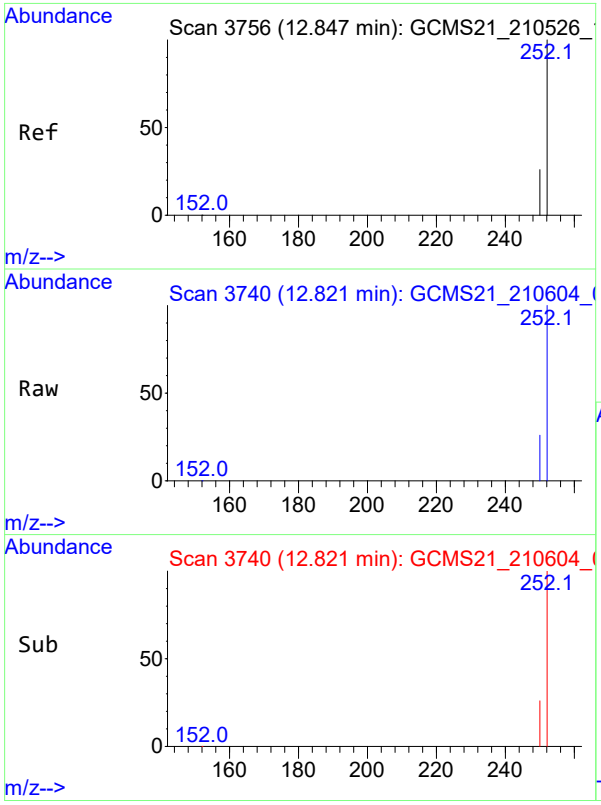


#23
Benzo(k)fluoranthene
Concen: 223.71 ng/mL
RT: 12.821 min Scan# 3740
Delta R.T. -0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 348482

Ion	Ratio	Lower	Upper
252	100		
250	25.4	0.0	55.4

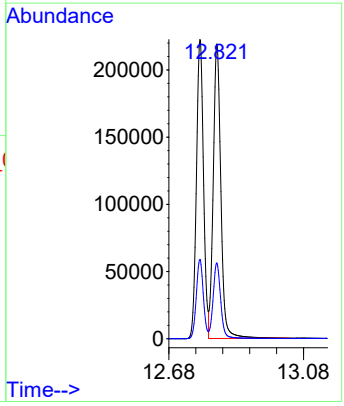


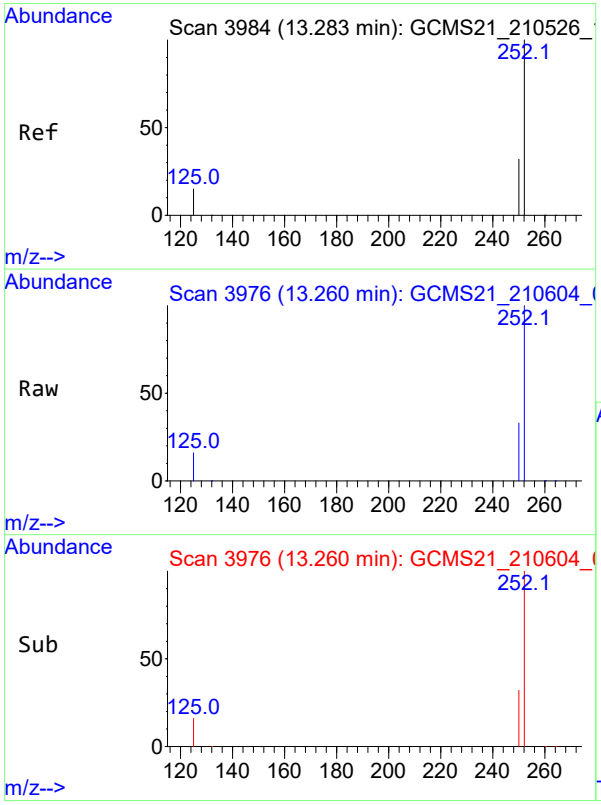


#24
benzo(b+k)fluoranthene (sum)
Concen: 229.55 ng/mL
RT: 12.821 min Scan# 3740
Delta R.T. -0.002 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 350574

Ion	Ratio	Lower	Upper
252	100		
250	25.2	0.0	55.4

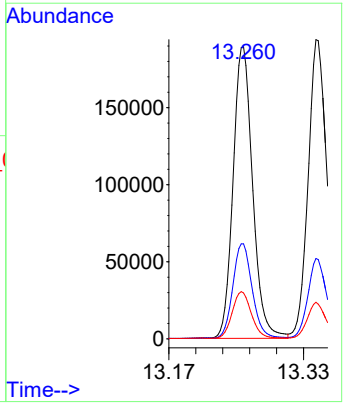


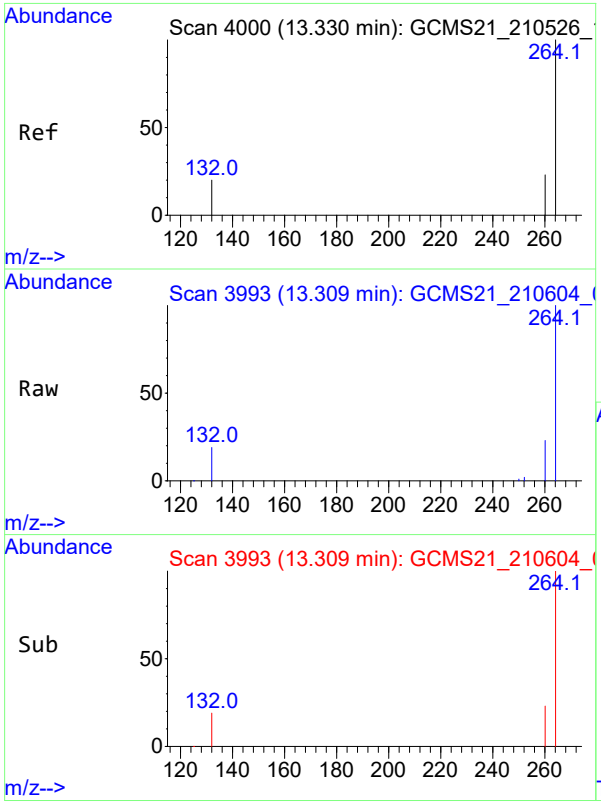


#25
Benzo(e)pyrene
Concen: 226.95 ng/mL
RT: 13.260 min Scan# 3976
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 321736

Ion	Ratio	Lower	Upper
252	100		
250	32.4	2.1	62.1
125	16.2	0.0	45.8

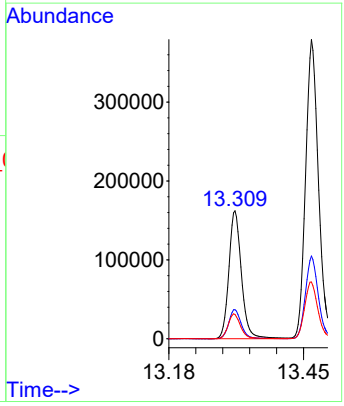


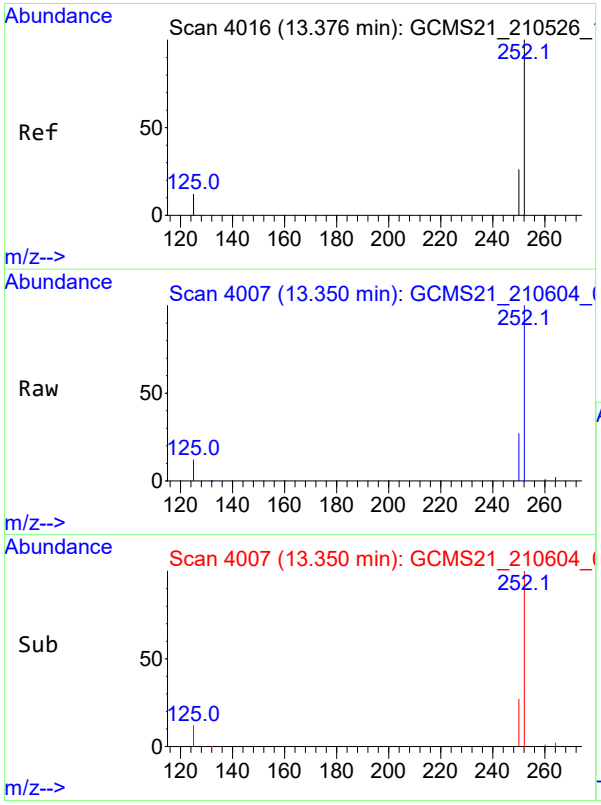


#26
Benzo(a)pyrene-D12
Concen: 255.73 ng/mL
RT: 13.309 min Scan# 3993
Delta R.T. -0.003 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:264 Resp: 281335

Ion	Ratio	Lower	Upper
264	100		
260	22.9	0.0	52.9
132	19.3	0.0	48.4

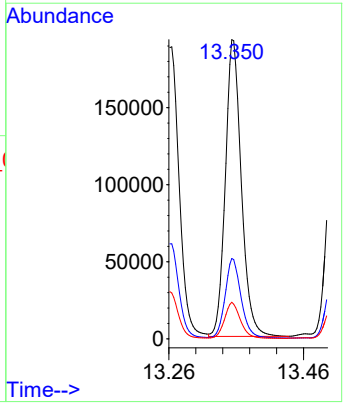


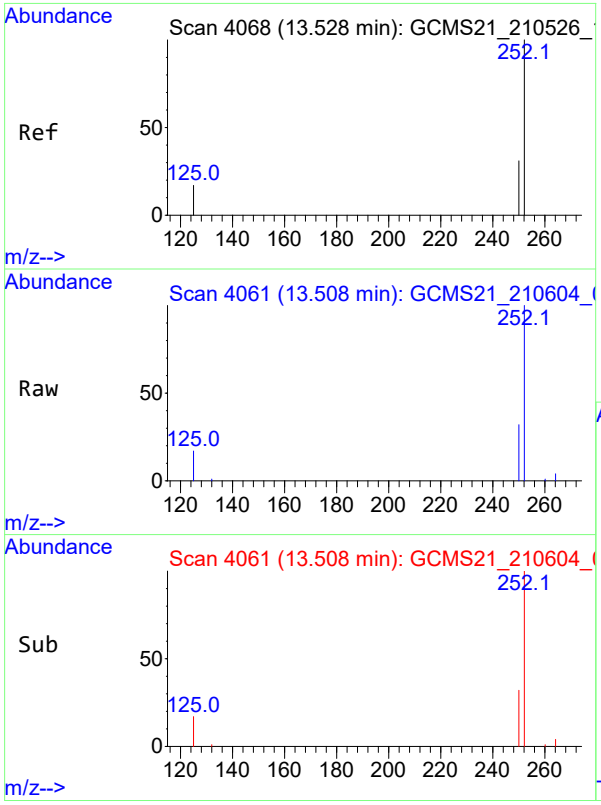


#27
Benzo(a)pyrene
Concen: 251.65 ng/mL
RT: 13.350 min Scan# 4007
Delta R.T. 0.000 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 322812

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.7
125	12.0	0.0	42.1

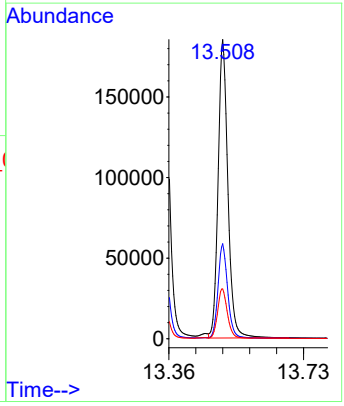


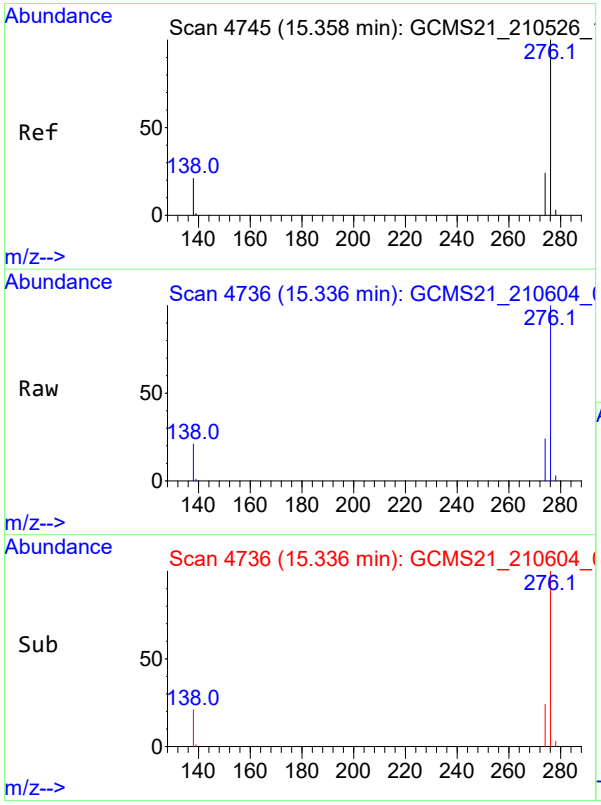


#28
Perylene
Concen: 234.31 ng/mL
RT: 13.508 min Scan# 4061
Delta R.T. 0.003 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:252 Resp: 337545

Ion	Ratio	Lower	Upper
252	100		
250	31.7	1.2	61.2
125	16.8	0.0	46.5

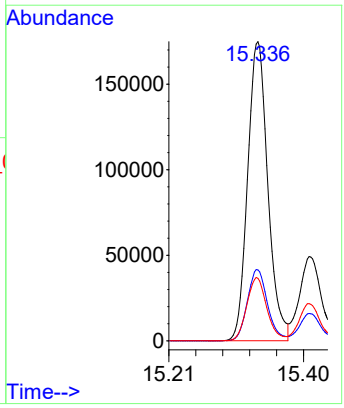


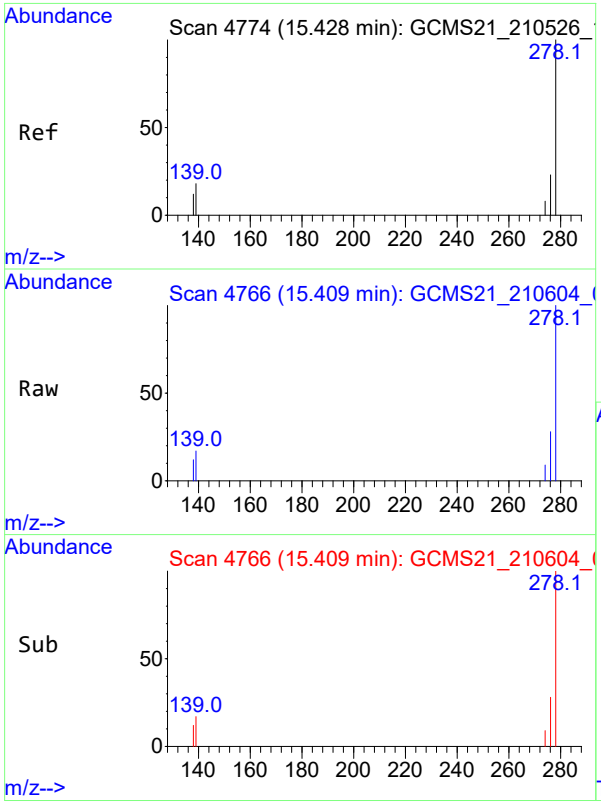


#29
Indeno(1,2,3-cd)pyrene
Concen: 304.98 ng/mL
RT: 15.336 min Scan# 4736
Delta R.T. 0.004 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:276 Resp: 334769

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.5
138	21.0	0.0	50.6

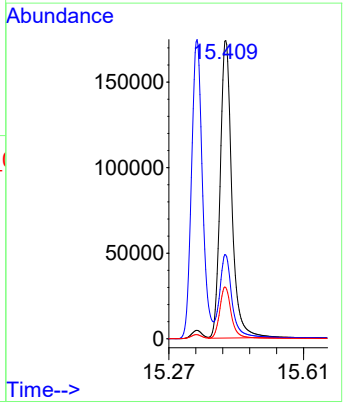


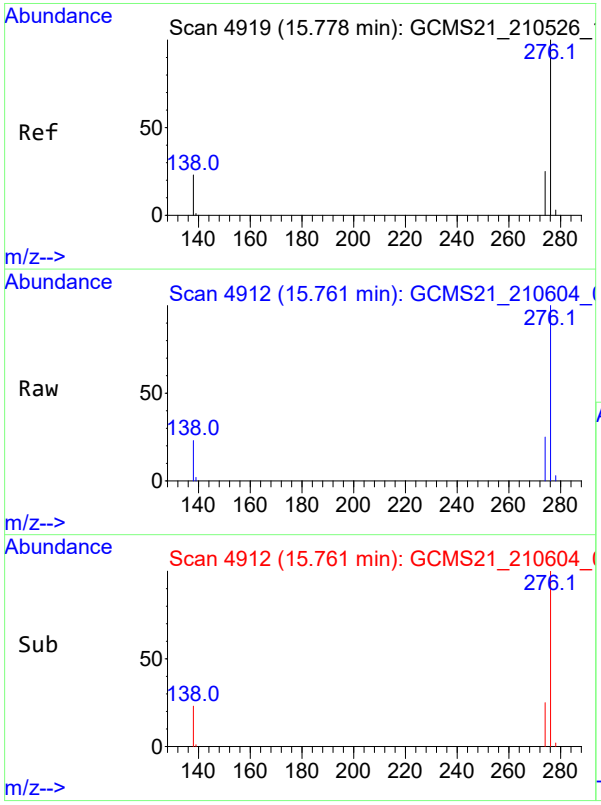


#30
Dibenz(a,h)anthracene
Concen: 323.98 ng/mL
RT: 15.409 min Scan# 4766
Delta R.T. 0.004 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:278 Resp: 354436

Ion	Ratio	Lower	Upper
278	100		
276	30.5	0.0	58.7
139	17.2	0.0	47.2

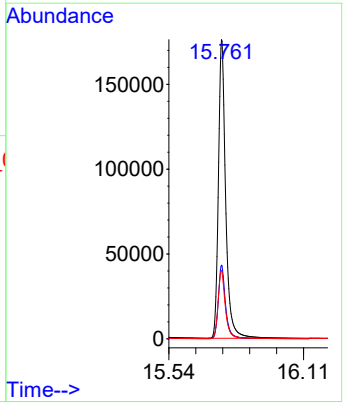




#31
Benzo(g,h,i)perylene
Concen: 266.06 ng/mL
RT: 15.761 min Scan# 4912
Delta R.T. 0.004 min
Lab File: GCMS21_210604_03.D
Acq: 04 Jun 2021 09:30

Tgt Ion:276 Resp: 379456

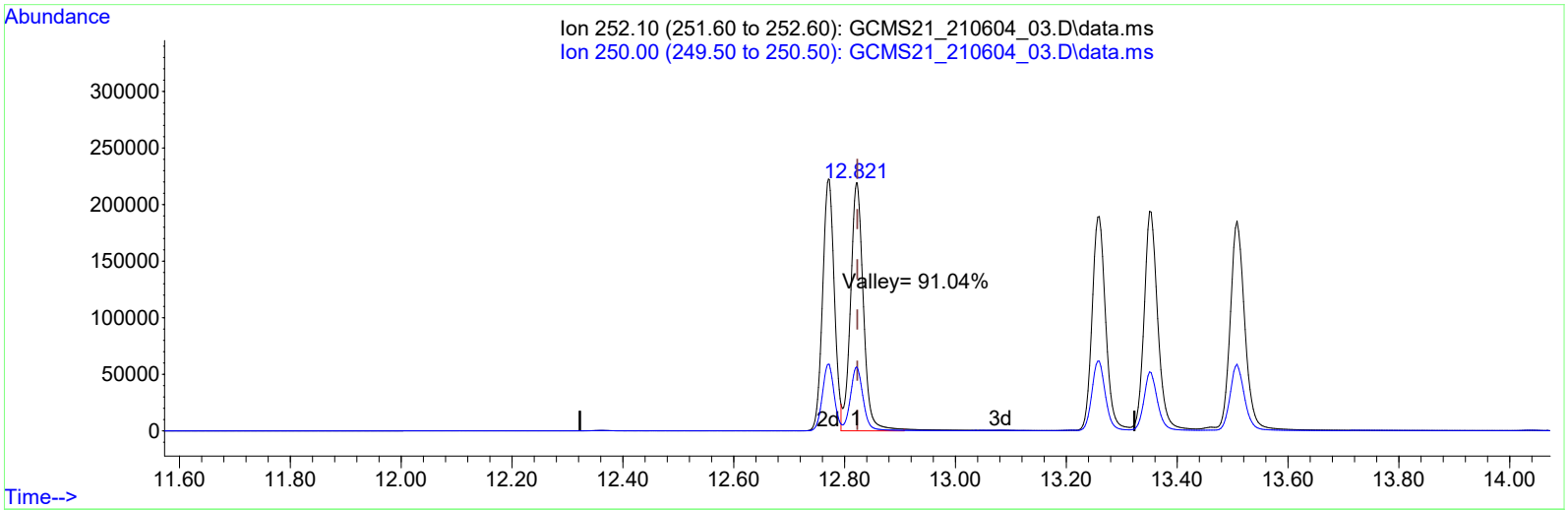
Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.2
138	22.7	0.0	52.4

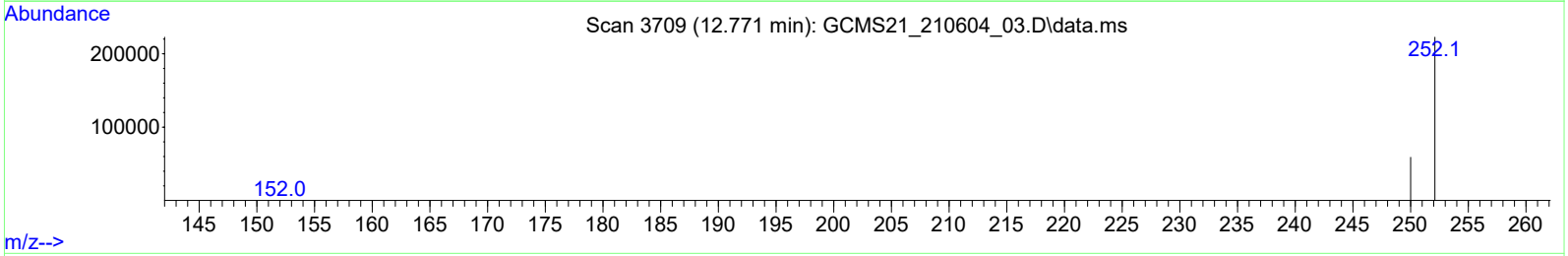


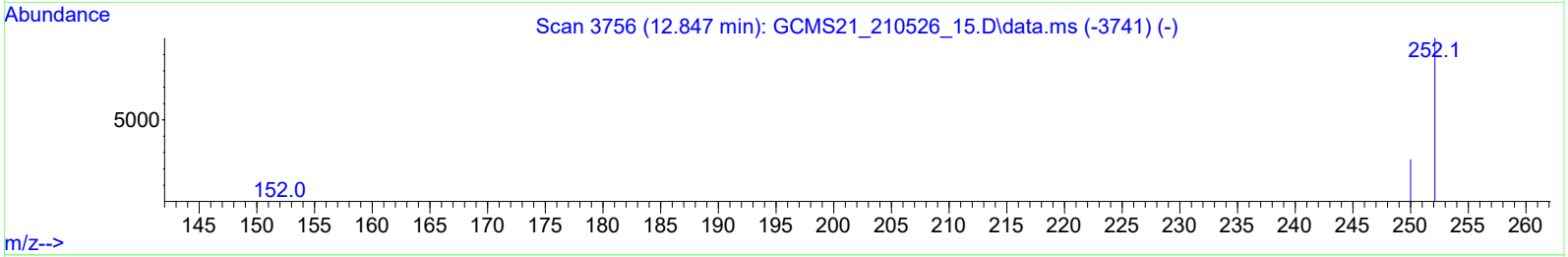
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_03.D
Acq On : 04 Jun 2021 09:30
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 12:00:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_03.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.771min (-0.052) 444.87 ng/mL m

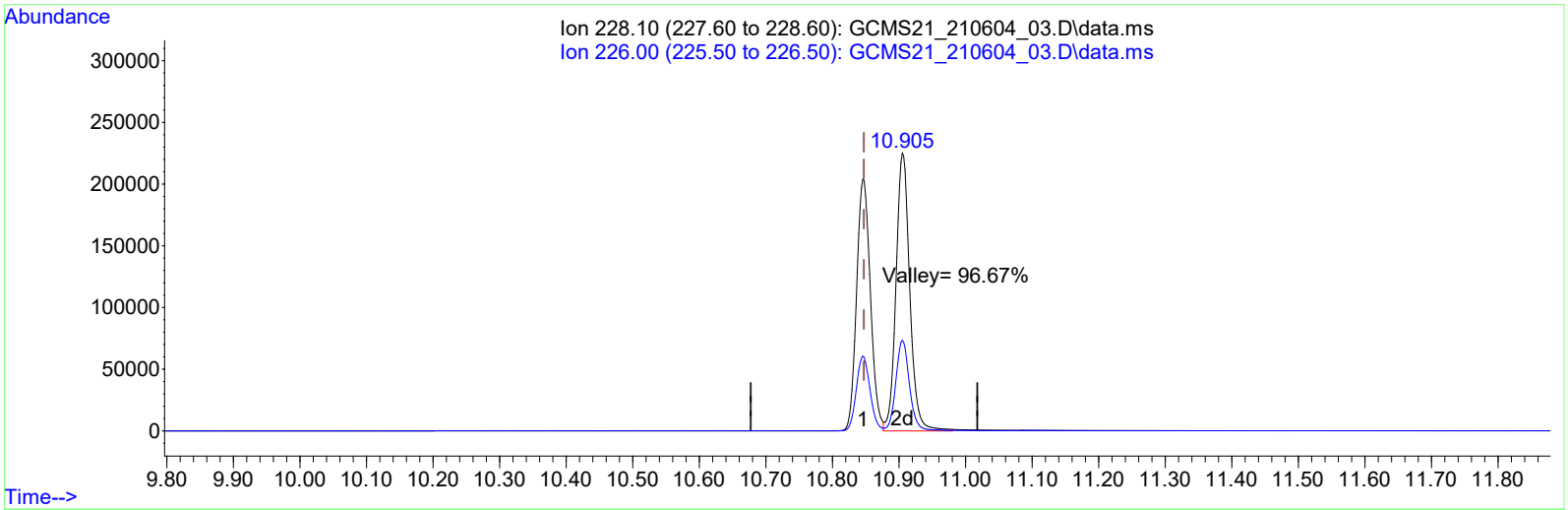
response 679422

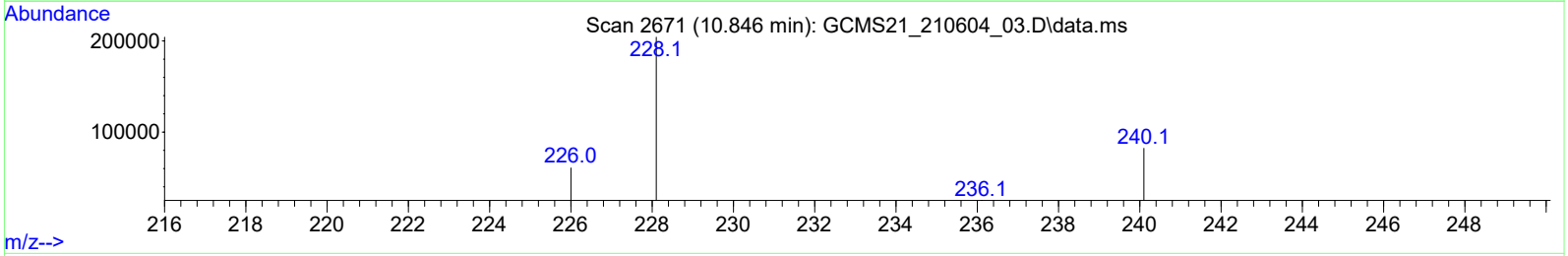
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.40	25.90
0.00	0.00	0.00
0.00	0.00	0.00

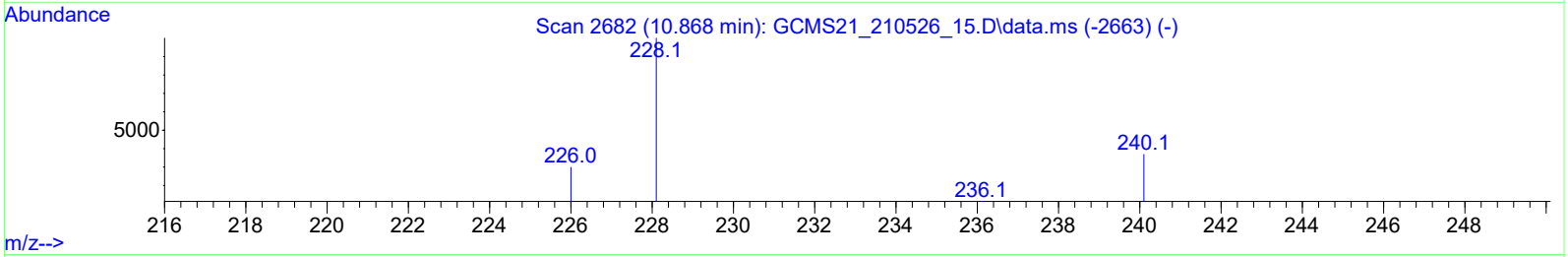
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_03.D
Acq On : 04 Jun 2021 09:30
Operator : MN GCMS21
Sample : 21F0703-CCV1
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 12:00:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_03.D\data.ms

(19) Benzo(a)anthracene (M)

10.846min (-0.002) 249.64 ng/mL

response 294260

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.20	29.41
0.00	0.00	0.00
0.00	0.00	0.00

Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_03.D
Acq On : 04 Jun 2021 09:30
Operator : MN GCMS21
Sample : 21F0703-CCV1
Misc : LIMS 21E1012
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 30 12:00:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	133	0.00
2	M	Naphthalene	250.000	240.594	3.8	128	0.00
3	S	2-Methylnaphthalene-D10	250.000	233.355	6.7	122	0.00
4	M	2-Methylnaphthalene	250.000	221.417	11.4	125	0.00
5	M	1-Methylnaphthalene	250.000	240.979	3.6	126	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	127	0.00
7	M	Acenaphthylene	250.000	249.973	0.0	134	0.00
8	M	Acenaphthene	250.000	232.422	7.0	124	0.00
9	S	Fluorene-D10	250.000	231.799	7.3	121	0.00
10	M	Fluorene	250.000	231.334	7.5	122	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	127	0.00
12	M	Phenanthrene	250.000	220.302	11.9	120	0.00
13	M	Anthracene	250.000	235.911	5.6	124	0.00
14	S	Fluoranthene-D10	250.000	235.712	5.7	119	0.00
15	M	Fluoranthene	250.000	227.134	9.1	121	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	124	0.00
17	S	Pyrene-D10	250.000	240.857	3.7	119	0.00
18	M	Pyrene	250.000	231.896	7.2	121	0.00
19	M	Benzo(a)anthracene	250.000	249.643	0.1	126	0.00
20	M	Chrysene	250.000	221.750	11.3	118	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	135	0.00
22	M	Benzo(b)fluoranthene	250.000	233.849	6.5	135	0.00
23	M	Benzo(k)fluoranthene	250.000	223.713	10.5	131	0.00
24	NR	benzo(b+k)fluoranthene (sum	500.000	444.869	11.0	133	-0.05
25	M	Benzo(e)pyrene	250.000	226.948	9.2	126	0.00
26	S	Benzo(a)pyrene-D12	250.000	255.728	-2.3	136	0.00
27	M	Benzo(a)pyrene	250.000	251.653	-0.7	138	0.00
28	M	Perylene	250.000	234.307	6.3	127	0.00
29	M	Indeno(1,2,3-cd)pyrene	250.000	304.978	-22.0	173	0.00
30	M	Dibenz(a,h)anthracene	250.000	323.982	-29.6	176	0.00
31	M	Benzo(g,h,i)perylene	250.000	266.061	-6.4	152	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_25.D
Acq On : 04 Jun 2021 18:37
Operator : MN GCMS21
Sample : CCV2_250
Misc : LIMS 21E1012
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 12:05:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.290	136	495451	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	277379	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.640	188	569633	500.00	ng/mL	0.01
16) CHRYSENE-D12	10.884	240	559142	500.00	ng/mL	0.02
21) PERYLENE-D12	13.495	264	605315	500.00	ng/mL	0.03
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.984	152	127773	204.91	ng/mL	0.00
9) Fluorene-D10	6.629	176	137993	207.79	ng/mL	0.00
14) Fluoranthene-D10	8.896	212	253689	205.68	ng/mL	0.01
17) Pyrene-D10	9.132	212	265155	207.85	ng/mL	0.01
26) Benzo(a)pyrene-D12	13.340	264	222776	226.52	ng/mL	0.03
Target Compounds						Qvalue
2) Naphthalene	4.310	128	199232	209.58	ng/mL	100
4) 2-Methylnaphthalene	5.016	142	135607	193.69	ng/mL	100
5) 1-Methylnaphthalene	5.112	142	122053	209.30	ng/mL	97
7) Acenaphthylene	5.932	152	203734	221.30	ng/mL	99
8) Acenaphthene	6.116	153	141434	200.70	ng/mL	99
10) Fluorene	6.658	166	159242	204.15	ng/mL	99
12) Phenanthrene	7.665	178	238428	173.43	ng/mL	100
13) Anthracene	7.719	178	253936	222.14	ng/mL	99
15) Fluoranthene	8.916	202	281929	194.31	ng/mL	98
18) Pyrene	9.150	202	293677	197.07	ng/mL	97
19) Benzo(a)anthracene	10.872	228	249101	221.49	ng/mL	100
20) Chrysene	10.929	228	270965	195.15	ng/mL	99
22) Benzo(b)fluoranthene	12.798	252	261633	208.23	ng/mL	100
23) Benzo(k)fluoranthene	12.798	252	261633	187.89	ng/mL	98
24) benzo(b+k)fluoranthene...	12.849	252	551506m	403.96	ng/mL	
25) Benzo(e)pyrene	13.285	252	248025	195.71	ng/mL	99
27) Benzo(a)pyrene	13.381	252	252968	220.60	ng/mL	99
28) Perylene	13.539	252	267130	207.43	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.386	276	197007	200.77	ng/mL	99
30) Dibenz(a,h)anthracene	15.454	278	218049m	222.96	ng/mL	
31) Benzo(g,h,i)perylene	15.815	276	216267	169.63	ng/mL	99

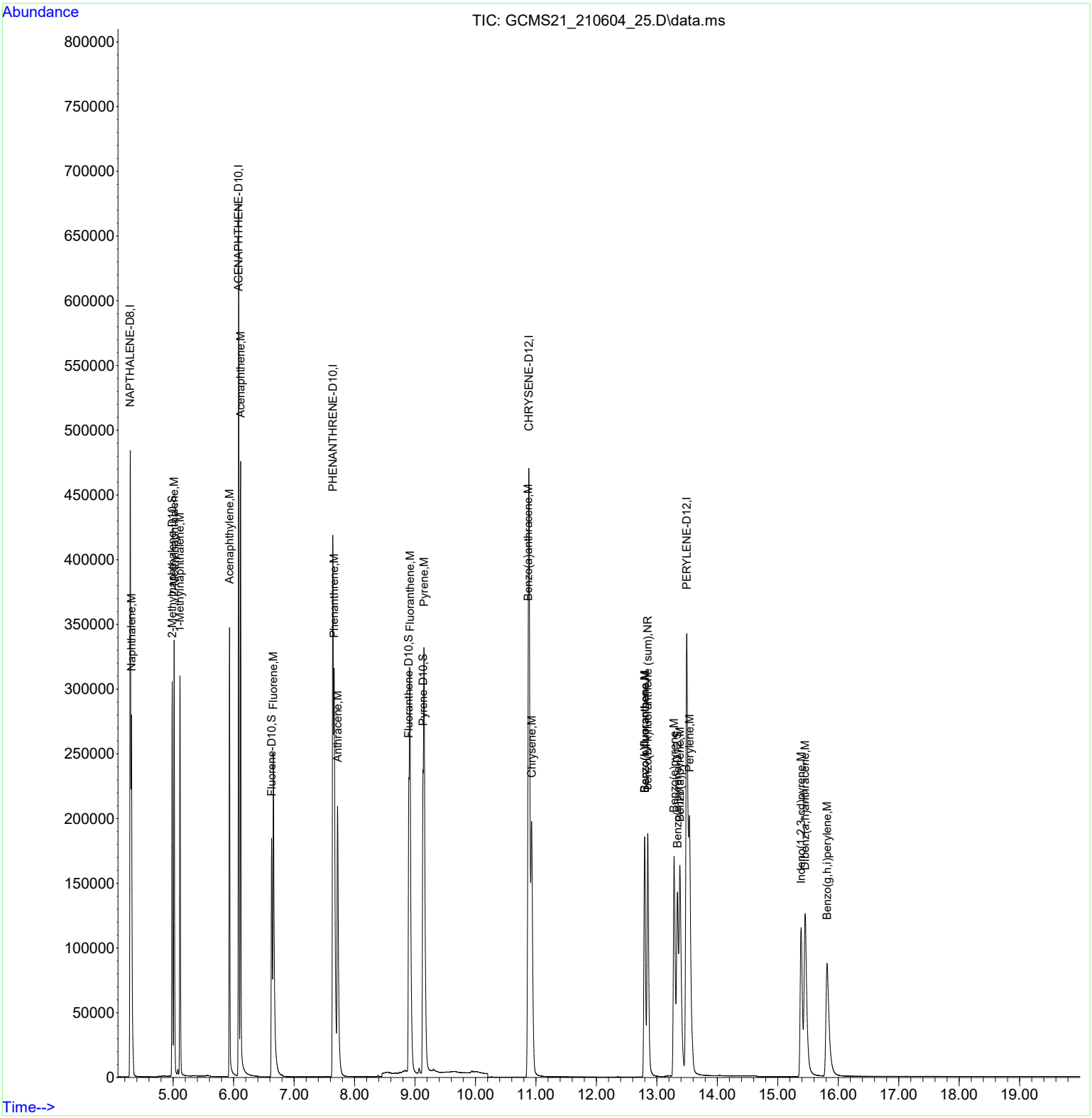
P, D 07.01.21 MN

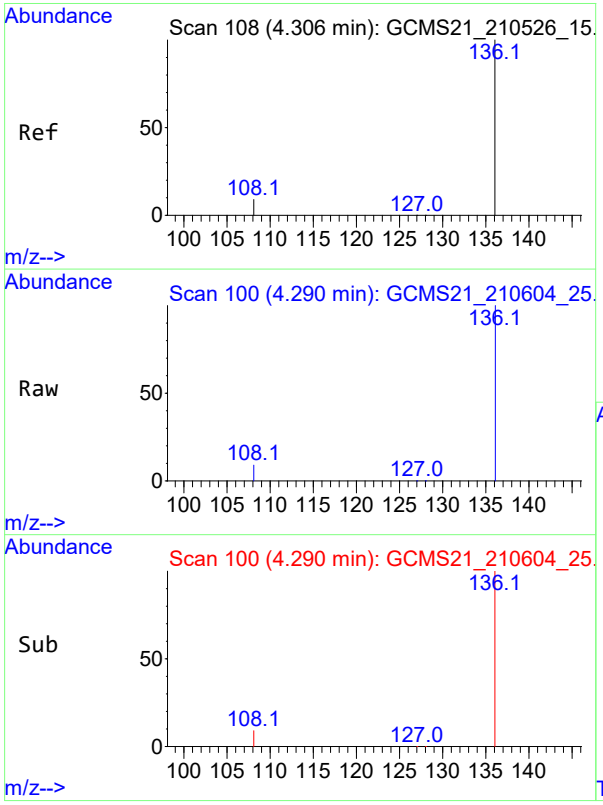
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_25.D
Acq On : 04 Jun 2021 18:37
Operator : MN GCMS21
Sample : CCV2_250
Misc : LIMS 21E1012
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 12:05:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

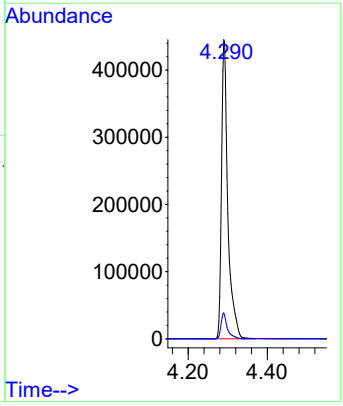


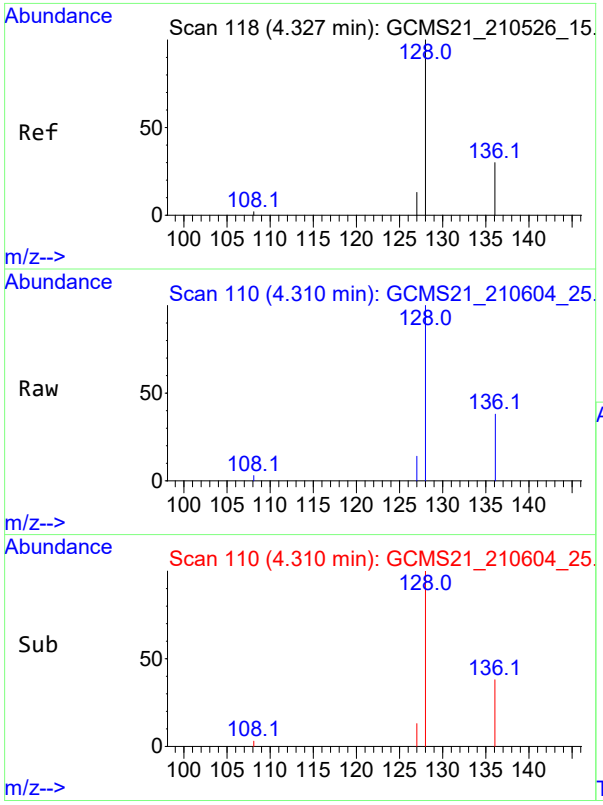


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.290 min Scan# 100
Delta R.T. 0.002 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:136 Resp: 495451

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.6

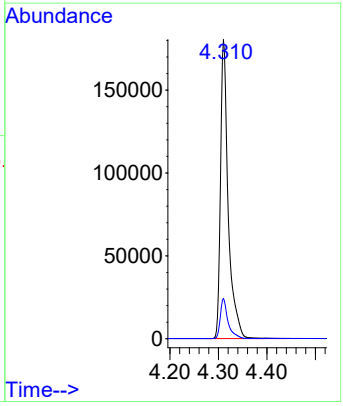


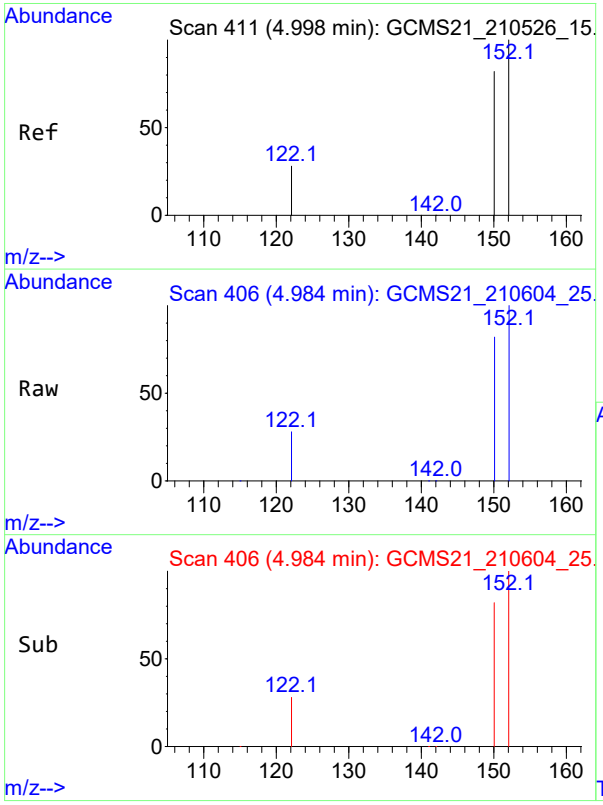


#2
Naphthalene
Concen: 209.58 ng/mL
RT: 4.310 min Scan# 110
Delta R.T. 0.002 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:128 Resp: 199232

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

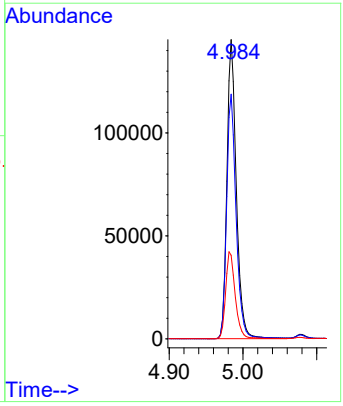


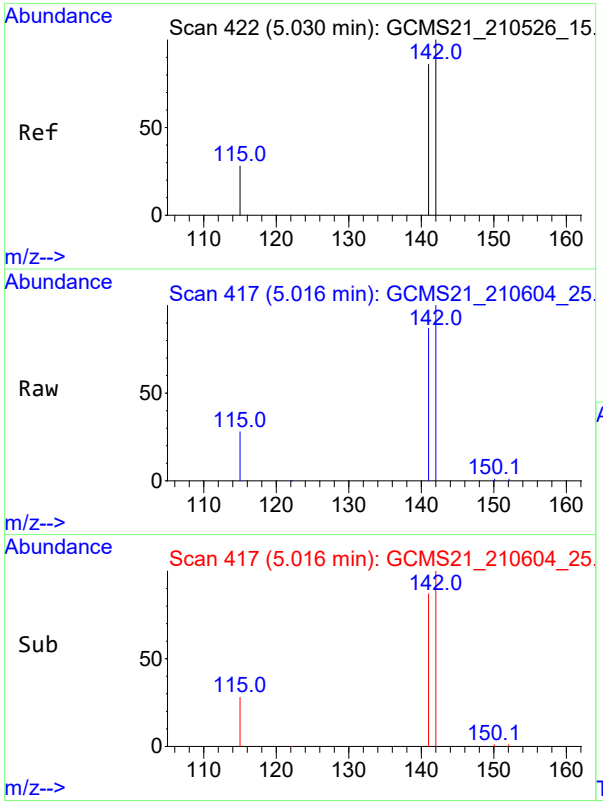


#3
2-Methylnaphthalene-D10
Concen: 204.91 ng/mL
RT: 4.984 min Scan# 406
Delta R.T. 0.003 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:152 Resp: 127773

Ion	Ratio	Lower	Upper
152	100		
150	82.7	52.3	112.3
122	29.8	0.0	57.8

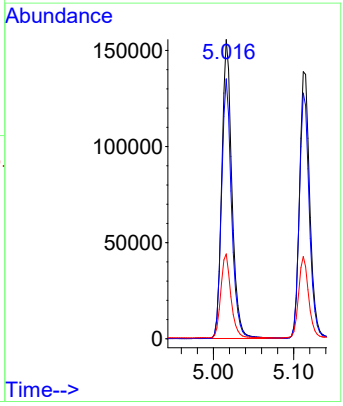


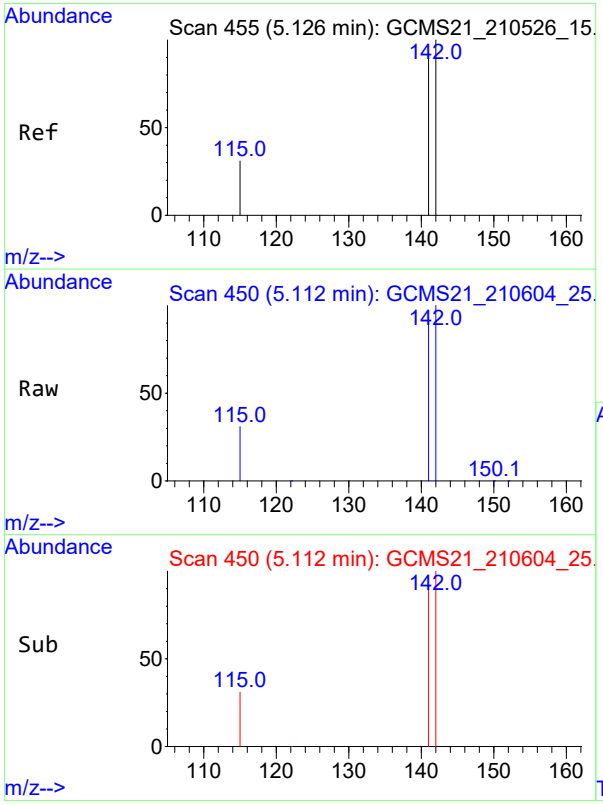


#4
2-Methylnaphthalene
Concen: 193.69 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. 0.003 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:142 Resp: 135607

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.9	116.9
115	27.8	0.0	57.7

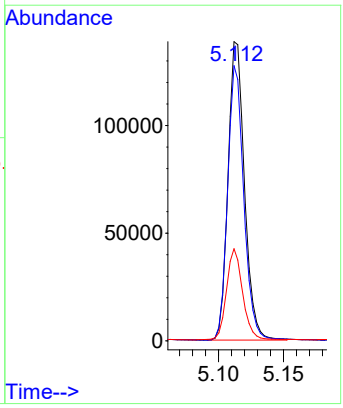


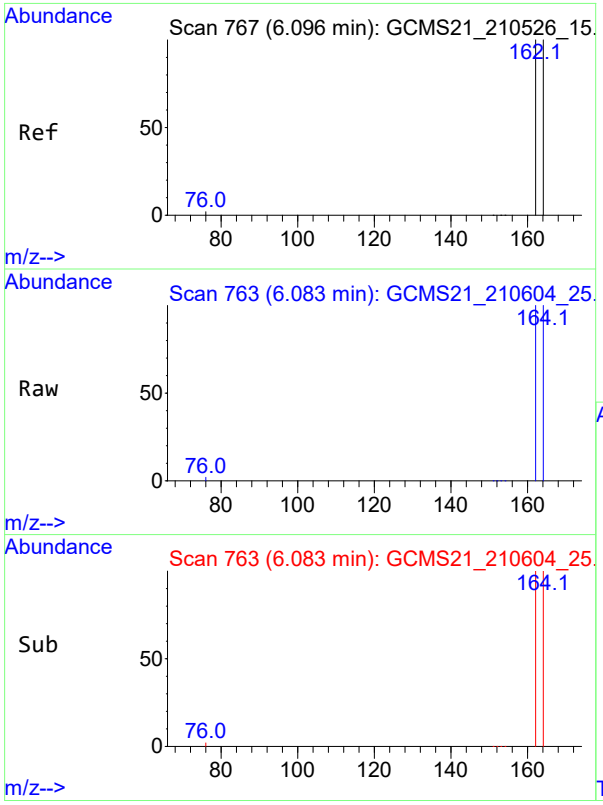


#5
1-Methylnaphthalene
Concen: 209.30 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:142 Resp: 122053

Ion	Ratio	Lower	Upper
142	100		
141	90.2	57.9	117.9
115	29.6	0.0	57.0

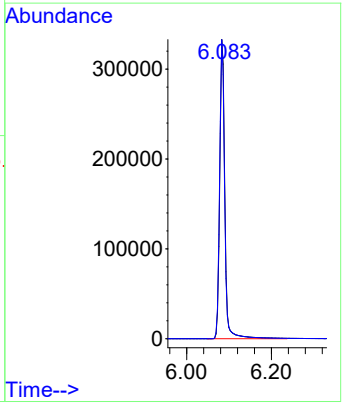


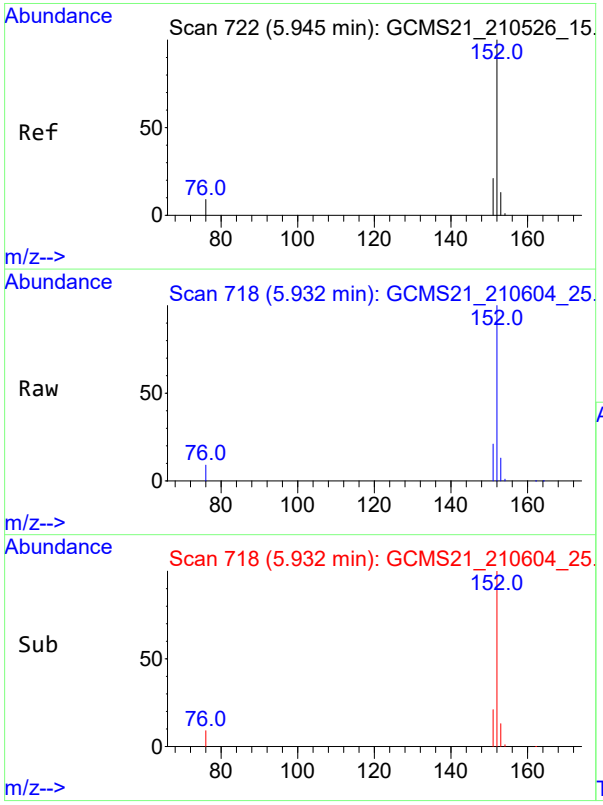


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:164 Resp: 277379

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.0

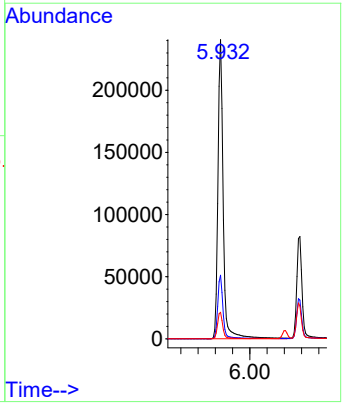


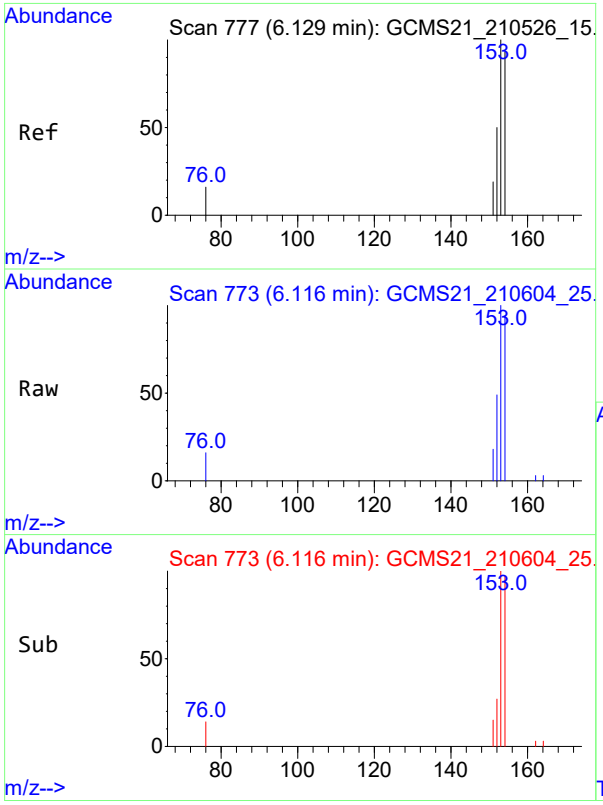


#7
Acenaphthylene
Concen: 221.30 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:152 Resp: 203734

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	51.0
76	9.0	0.0	38.6

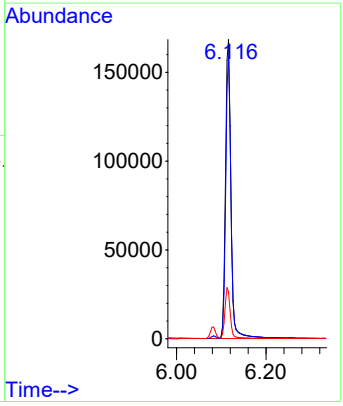


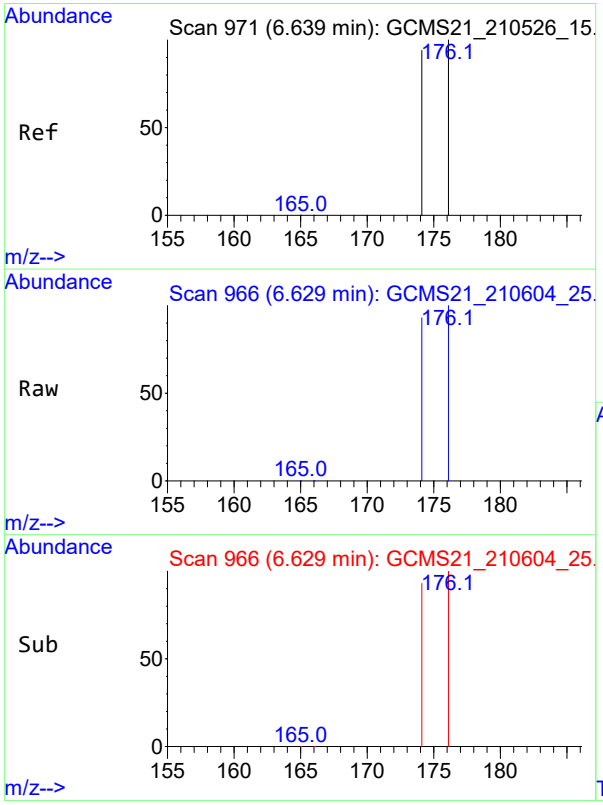


#8
Acenaphthene
Concen: 200.70 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:153 Resp: 141434

Ion	Ratio	Lower	Upper
153	100		
154	92.9	63.7	123.7
76	17.0	0.0	45.2

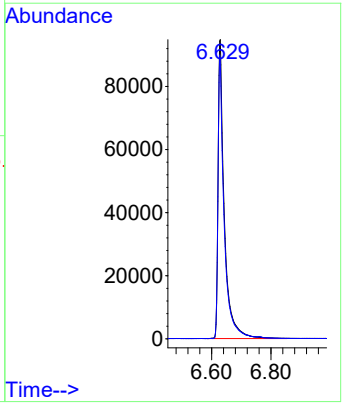


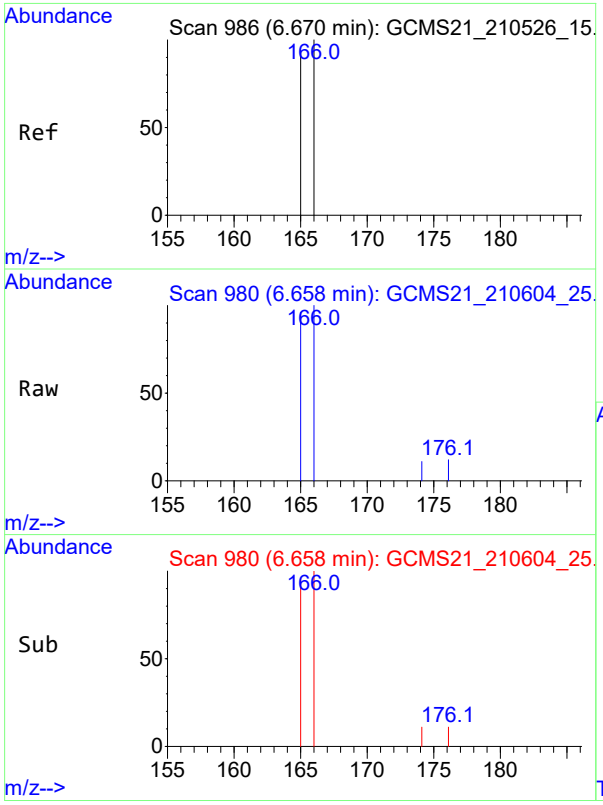


#9
Fluorene-D10
Concen: 207.79 ng/mL
RT: 6.629 min Scan# 966
Delta R.T. 0.006 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:176 Resp: 137993

Ion	Ratio	Lower	Upper
176	100		
174	93.5	63.9	123.9

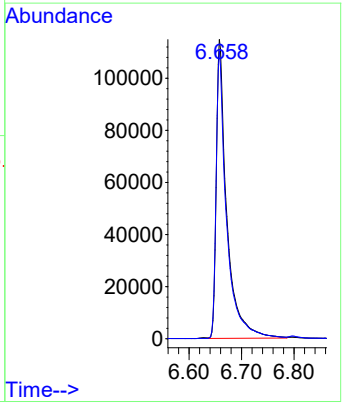


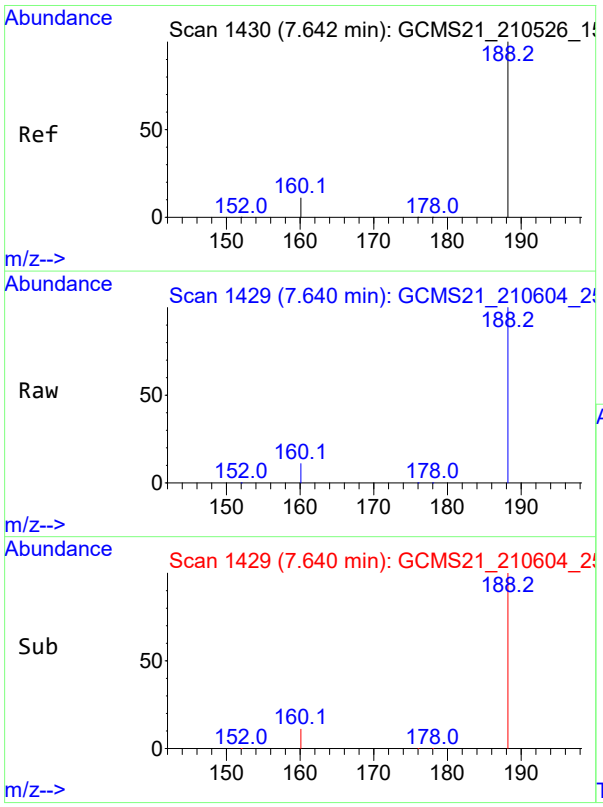


#10
Fluorene
Concen: 204.15 ng/mL
RT: 6.658 min Scan# 980
Delta R.T. 0.006 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:166 Resp: 159242

Ion	Ratio	Lower	Upper
166	100		
165	96.1	65.1	125.1

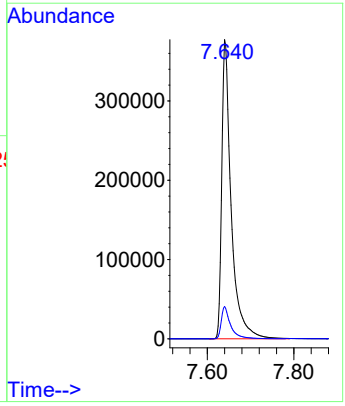


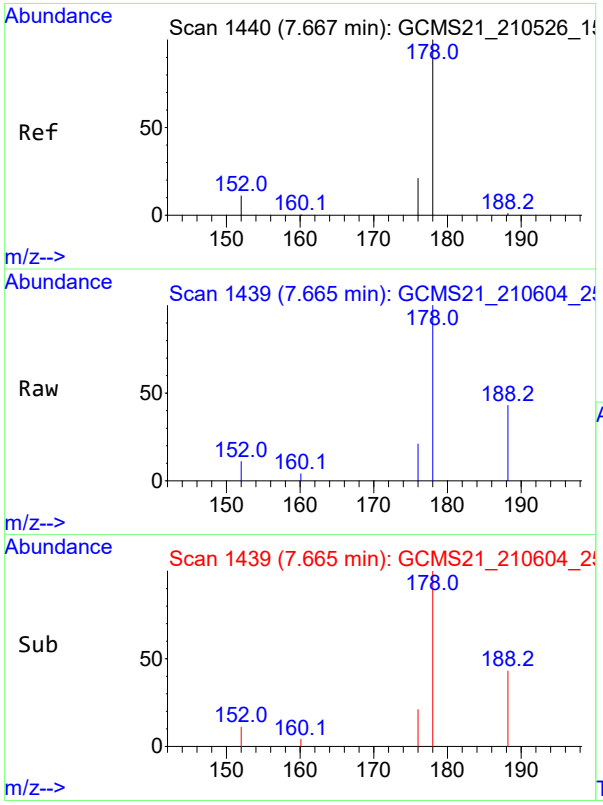


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.640 min Scan# 1429
Delta R.T. 0.012 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:188 Resp: 569633

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

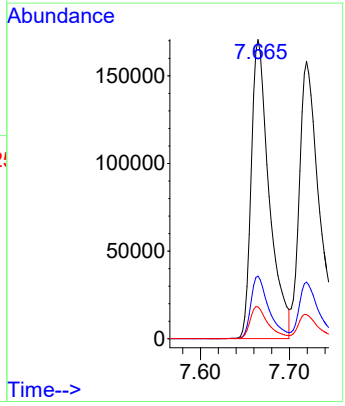


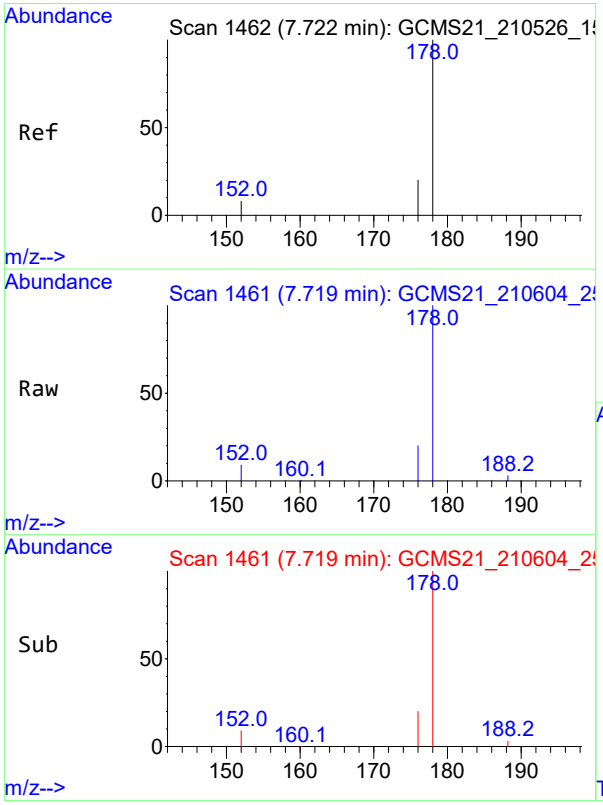


#12
Phenanthrene
Concen: 173.43 ng/mL
RT: 7.665 min Scan# 1439
Delta R.T. 0.015 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:178 Resp: 238428

Ion	Ratio	Lower	Upper
178	100		
176	21.0	0.0	51.1
152	10.9	0.0	40.5

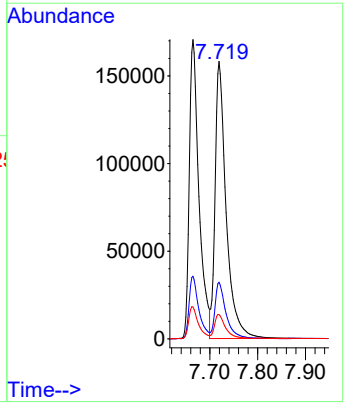


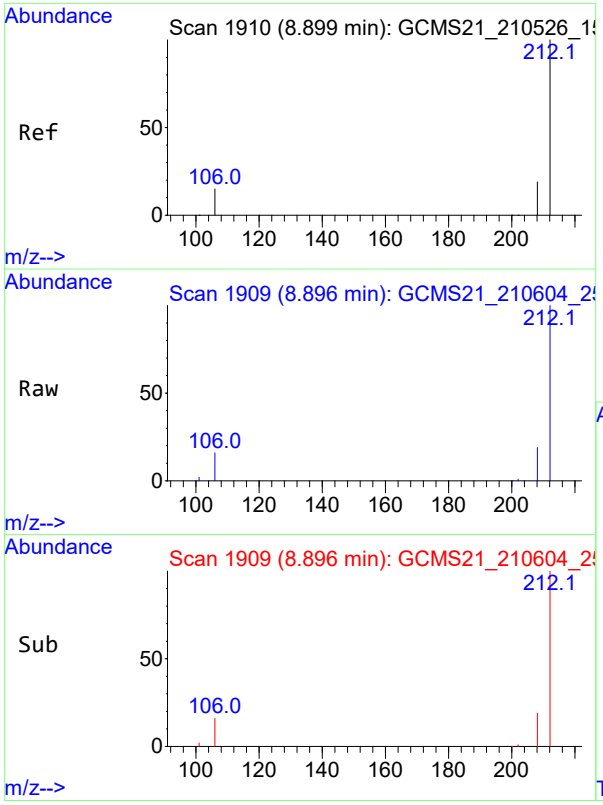


#13
Anthracene
Concen: 222.14 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. 0.015 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:178 Resp: 253936

Ion	Ratio	Lower	Upper
178	100		
176	20.4	0.0	50.0
152	8.9	0.0	38.2

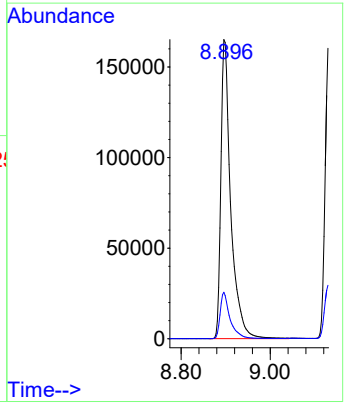


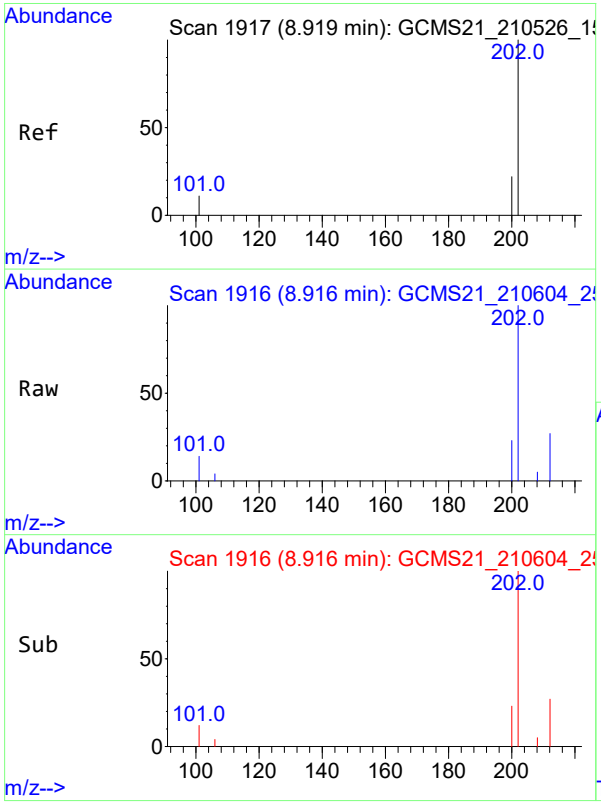


#14
Fluoranthene-D10
Concen: 205.68 ng/mL
RT: 8.896 min Scan# 1909
Delta R.T. 0.015 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:212 Resp: 253689

Ion	Ratio	Lower	Upper
212	100		
106	15.3	0.0	43.1

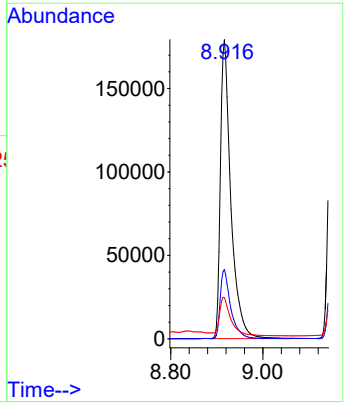


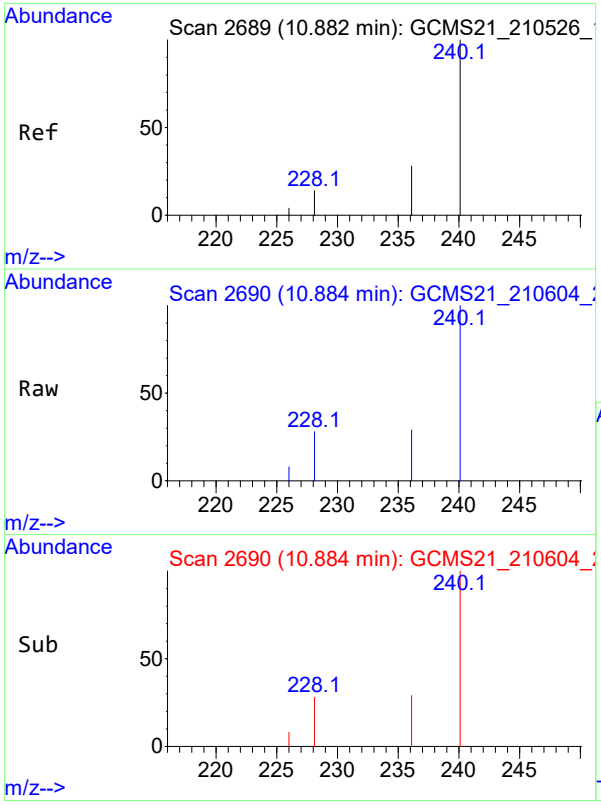


#15
Fluoranthene
Concen: 194.31 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. 0.017 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:202 Resp: 281929

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.3
101	14.1	0.0	41.8

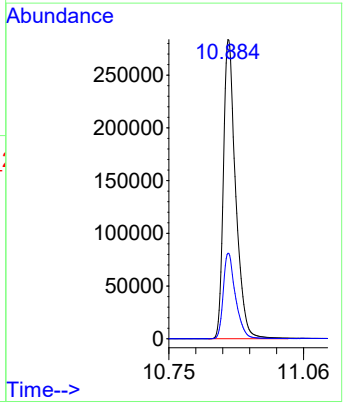


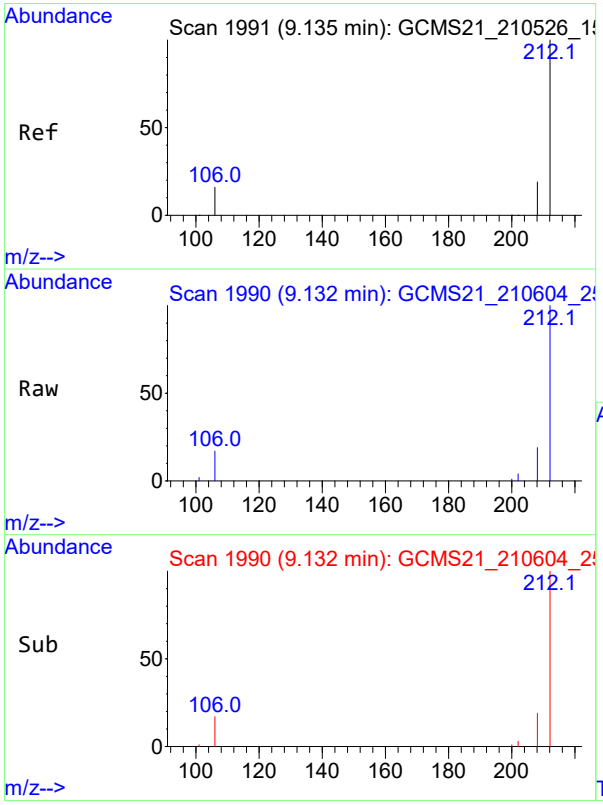


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.884 min Scan# 2690
Delta R.T. 0.022 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:240 Resp: 559142

Ion	Ratio	Lower	Upper
240	100		
236	28.6	0.0	58.5

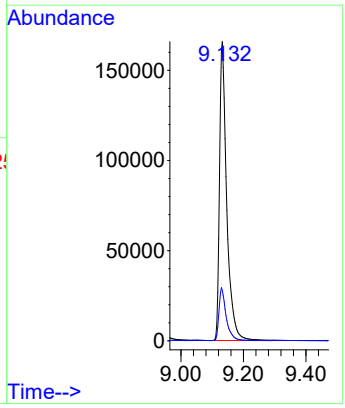


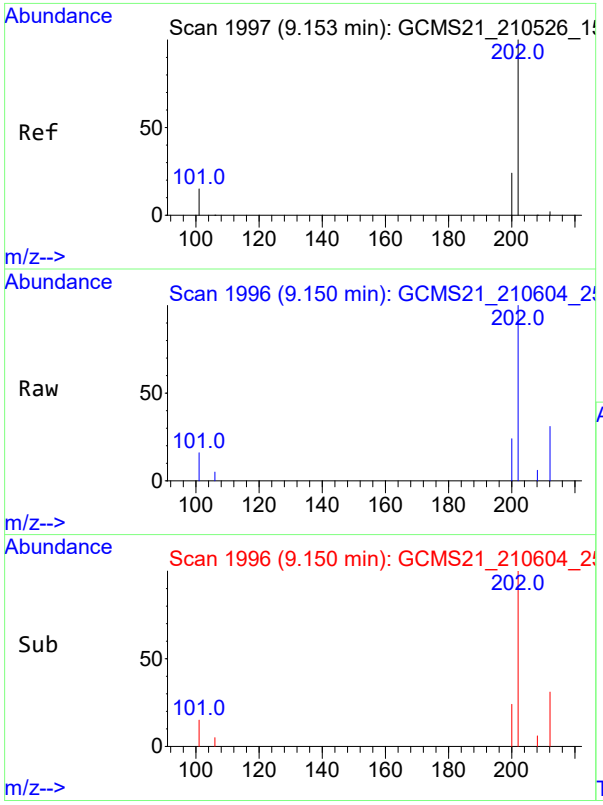


#17
Pyrene-D10
Concen: 207.85 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. 0.012 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:212 Resp: 265155

Ion	Ratio	Lower	Upper
212	100		
106	17.7	0.0	46.3

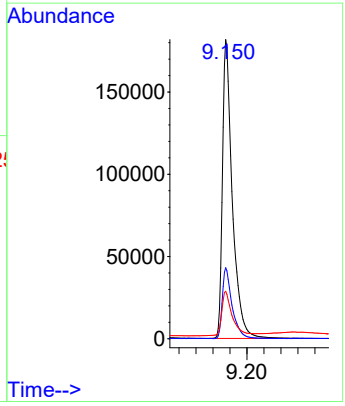


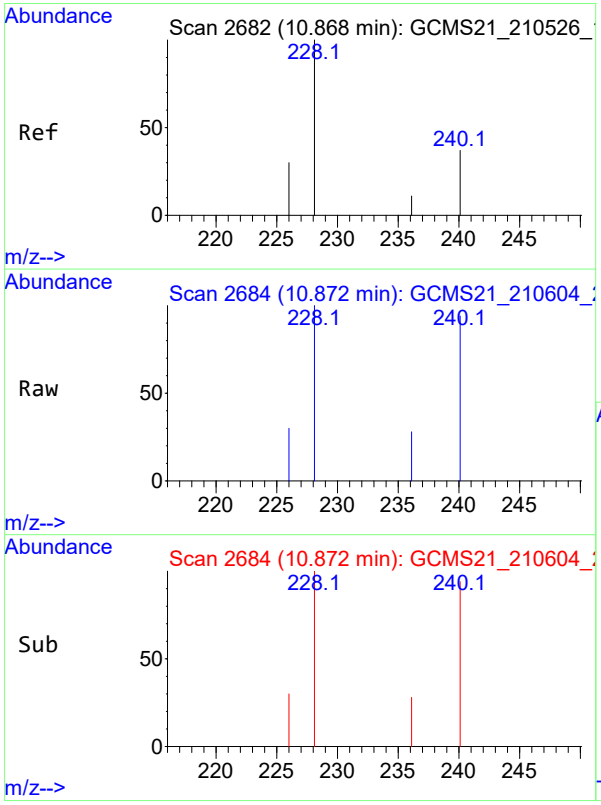


#18
Pyrene
Concen: 197.07 ng/mL
RT: 9.150 min Scan# 1996
Delta R.T. 0.009 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:202 Resp: 293677

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.3
101	16.1	0.0	43.2

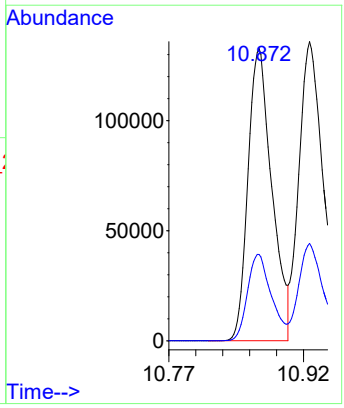


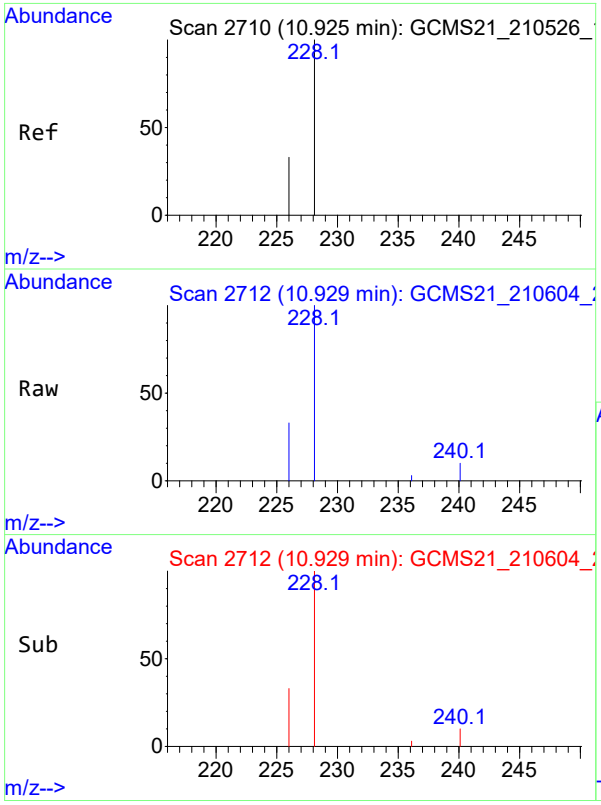


#19
Benzo(a)anthracene
Concen: 221.49 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. 0.024 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:228 Resp: 249101

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.2

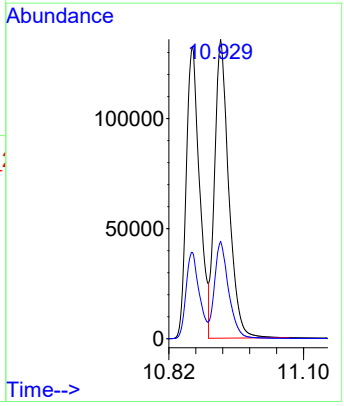


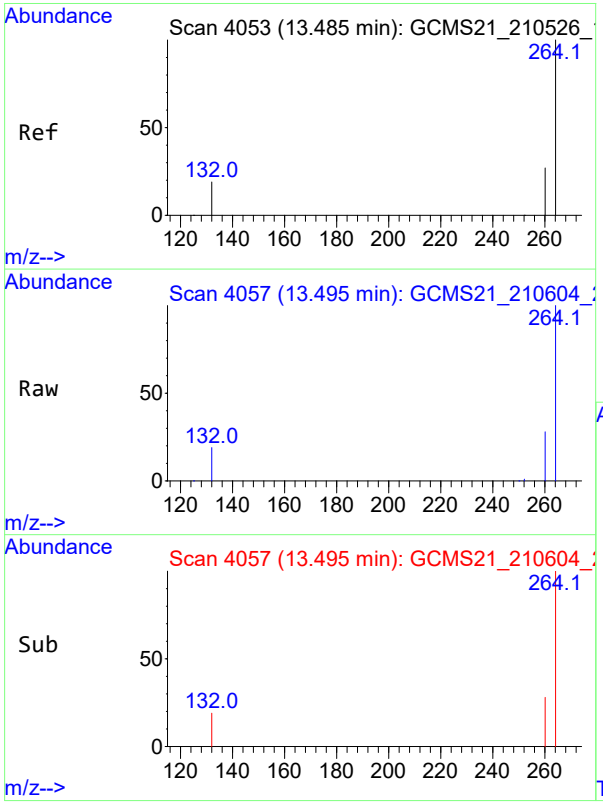


#20
Chrysene
Concen: 195.15 ng/mL
RT: 10.929 min Scan# 2712
Delta R.T. 0.024 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:228 Resp: 270965

Ion	Ratio	Lower	Upper
228	100		
226	32.7	1.9	61.9

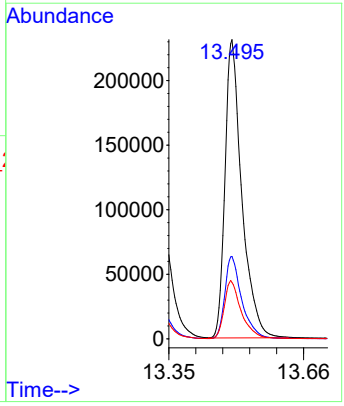


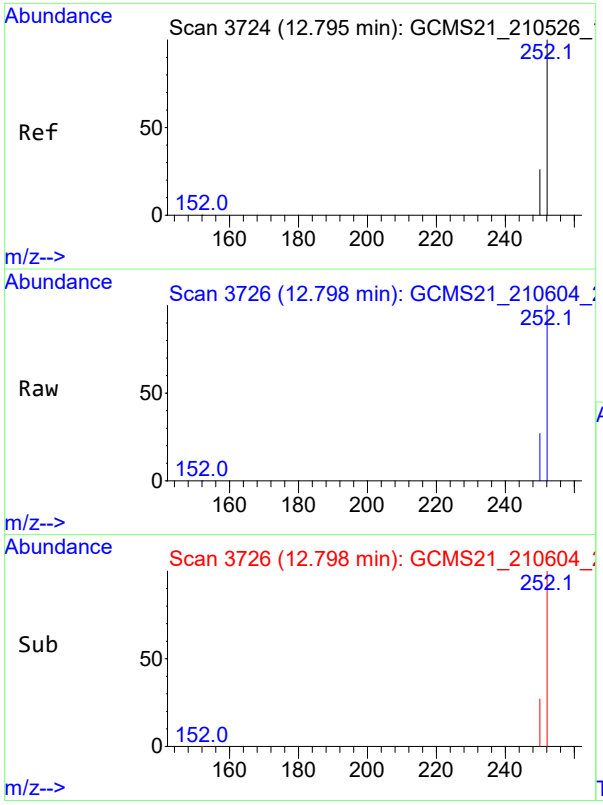


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.495 min Scan# 4057
Delta R.T. 0.034 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:264 Resp: 605315

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.7
132	19.4	0.0	49.0

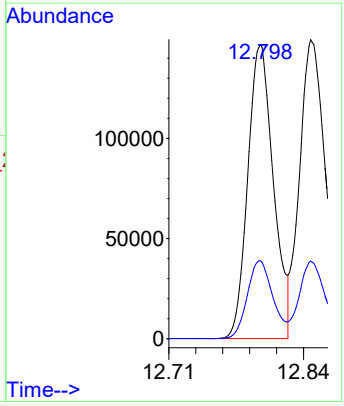


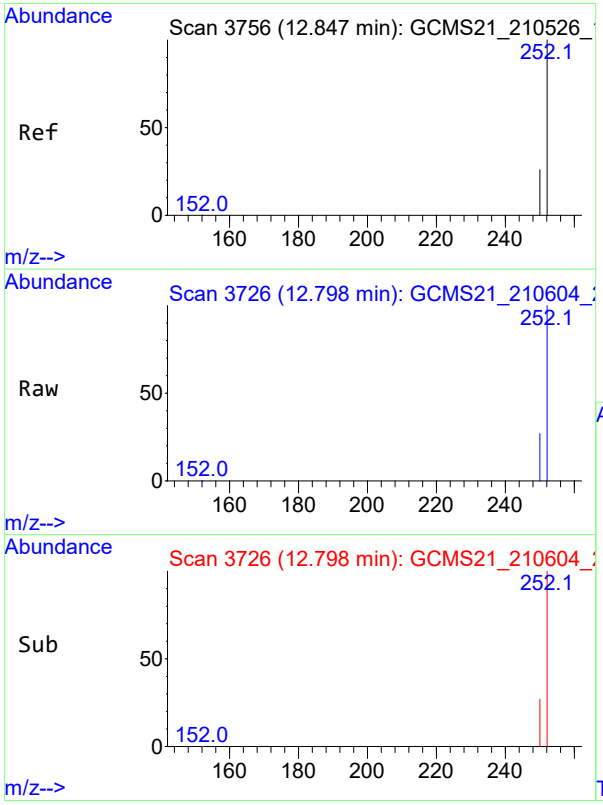


#22
Benzo(b)fluoranthene
Concen: 208.23 ng/mL
RT: 12.798 min Scan# 3726
Delta R.T. 0.026 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 261633

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	56.1

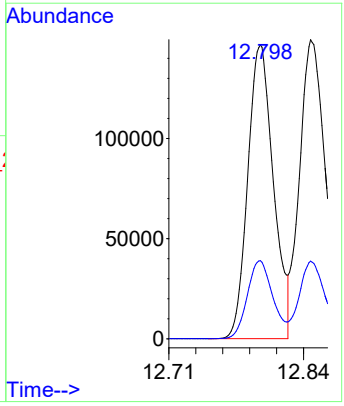


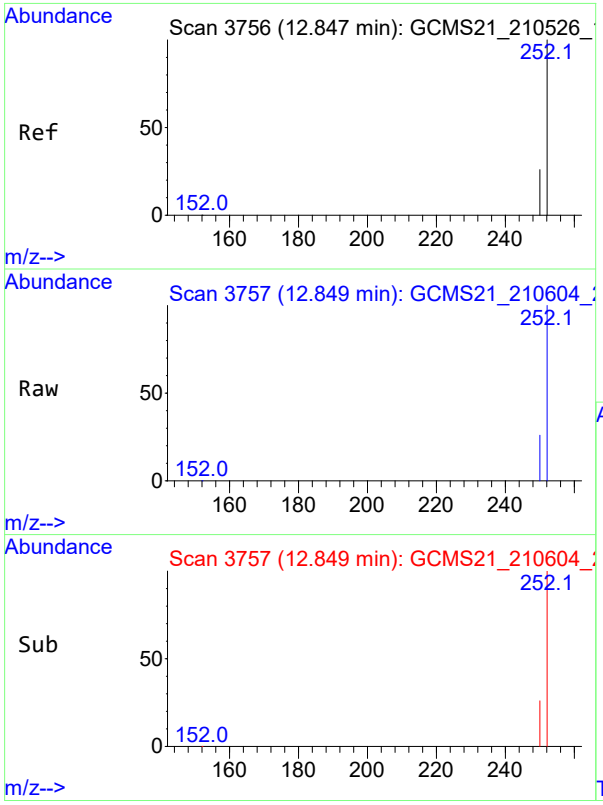


#23
Benzo(k)fluoranthene
Concen: 187.89 ng/mL
RT: 12.798 min Scan# 3726
Delta R.T. -0.025 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 261633

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	55.4

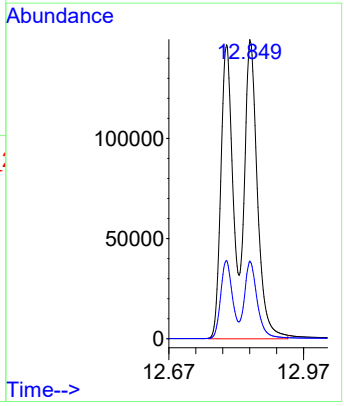


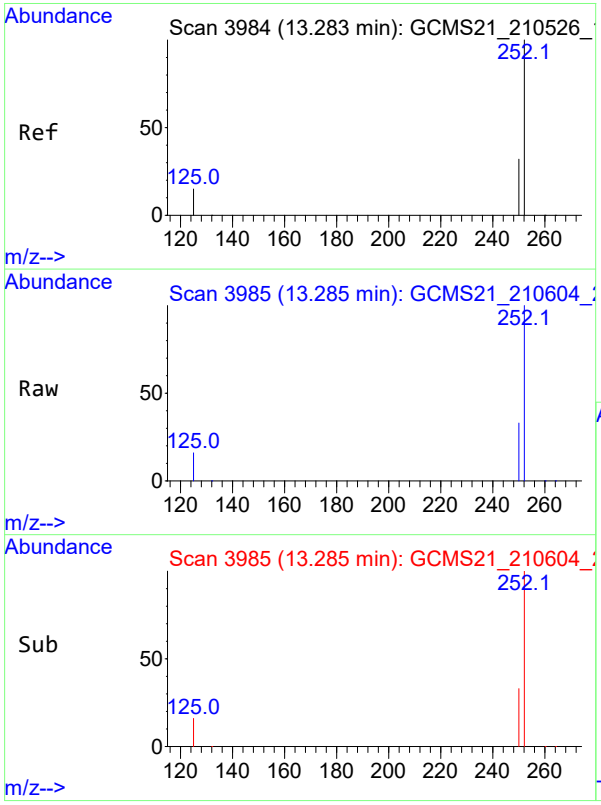


#24
benzo(b+k)fluoranthene (sum)
Concen: 403.96 ng/mL m
RT: 12.849 min Scan# 3757
Delta R.T. 0.026 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 551506

Ion	Ratio	Lower	Upper
252	100		
250	12.5	0.0	55.4

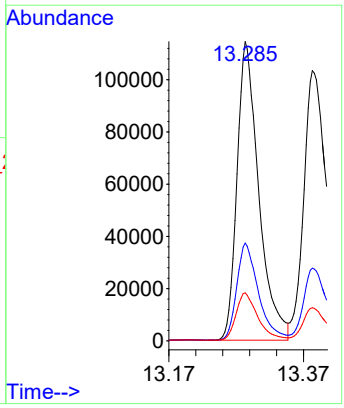


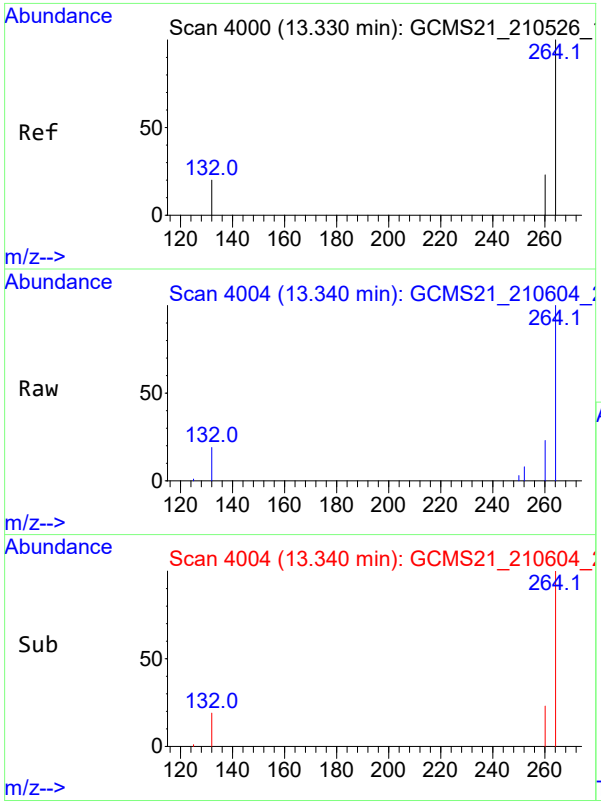


#25
Benzo(e)pyrene
Concen: 195.71 ng/mL
RT: 13.285 min Scan# 3985
Delta R.T. 0.025 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 248025

Ion	Ratio	Lower	Upper
252	100		
250	32.6	2.1	62.1
125	16.0	0.0	45.8

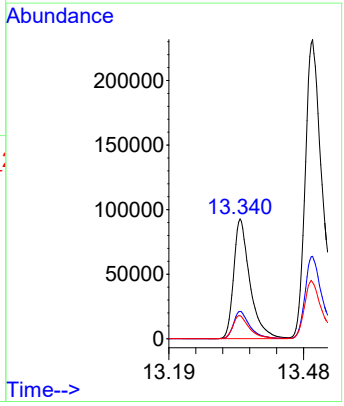


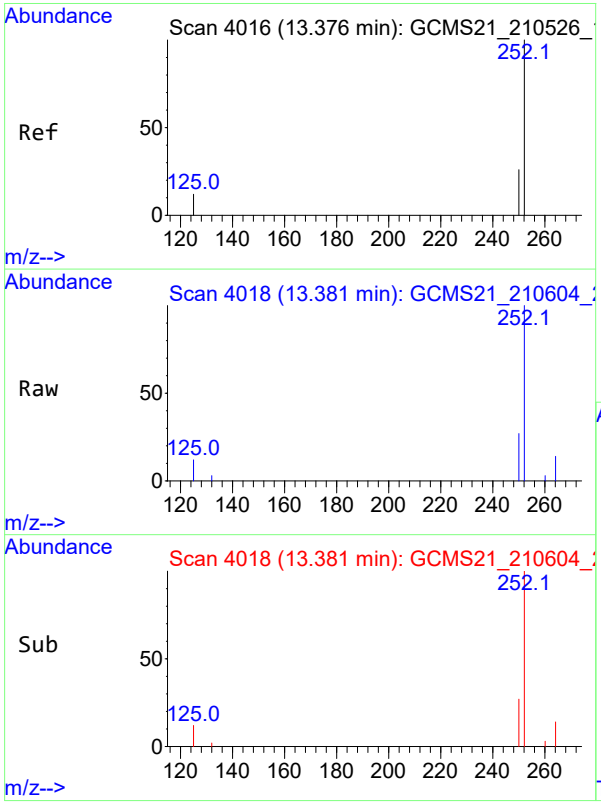


#26
Benzo(a)pyrene-D12
Concen: 226.52 ng/mL
RT: 13.340 min Scan# 4004
Delta R.T. 0.028 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:264 Resp: 222776

Ion	Ratio	Lower	Upper
264	100		
260	23.0	0.0	52.9
132	19.2	0.0	48.4

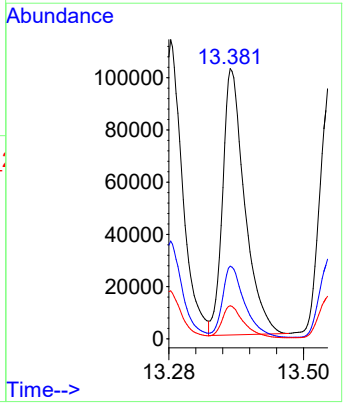


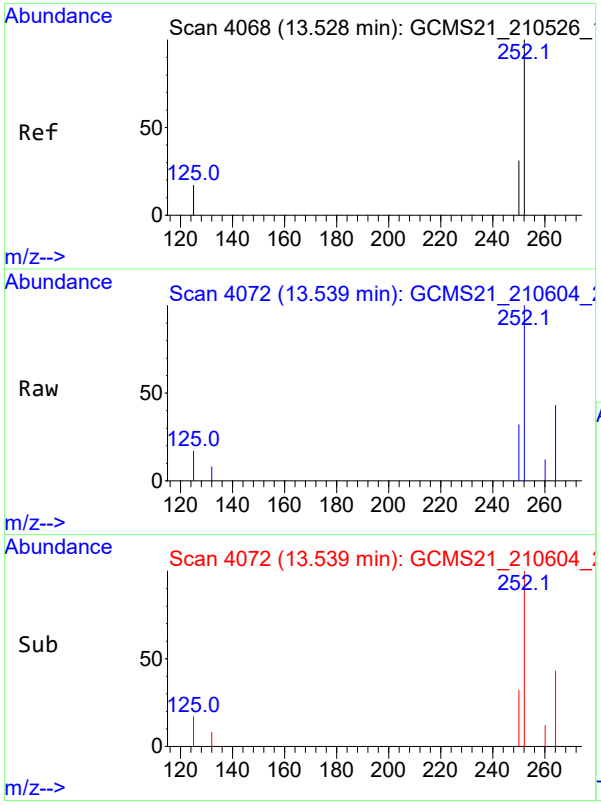


#27
Benzo(a)pyrene
Concen: 220.60 ng/mL
RT: 13.381 min Scan# 4018
Delta R.T. 0.031 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 252968

Ion	Ratio	Lower	Upper
252	100		
250	27.1	0.0	56.7
125	12.1	0.0	42.1

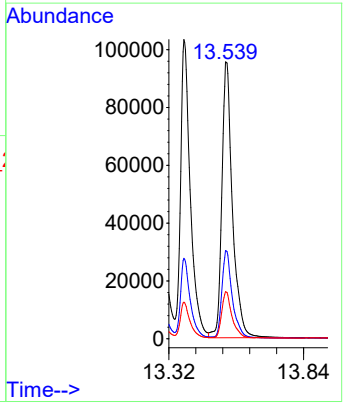


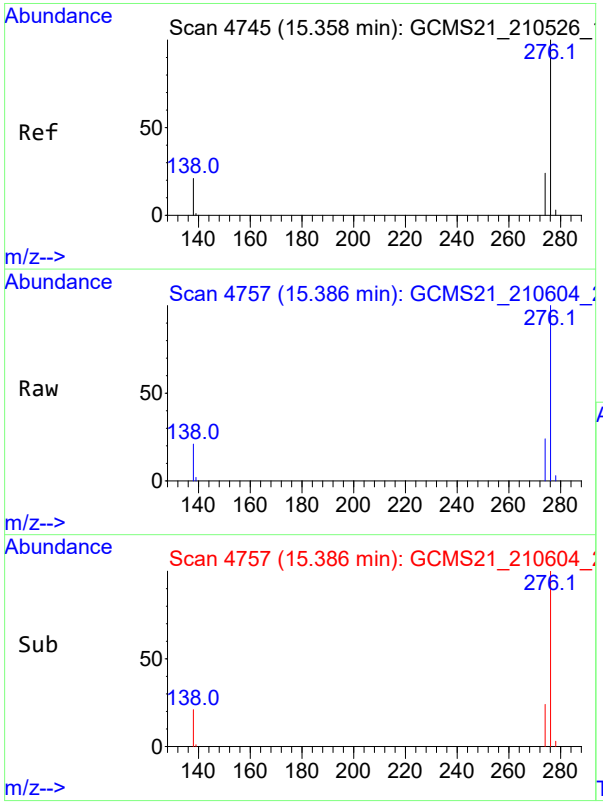


#28
Perylene
Concen: 207.43 ng/mL
RT: 13.539 min Scan# 4072
Delta R.T. 0.034 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 267130

Ion	Ratio	Lower	Upper
252	100		
250	31.0	1.2	61.2
125	16.3	0.0	46.5

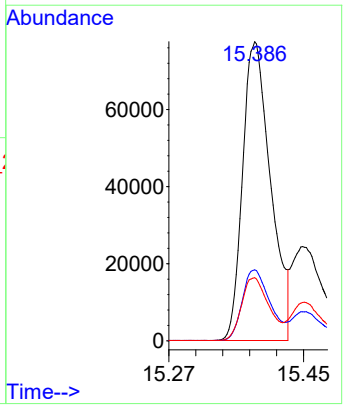


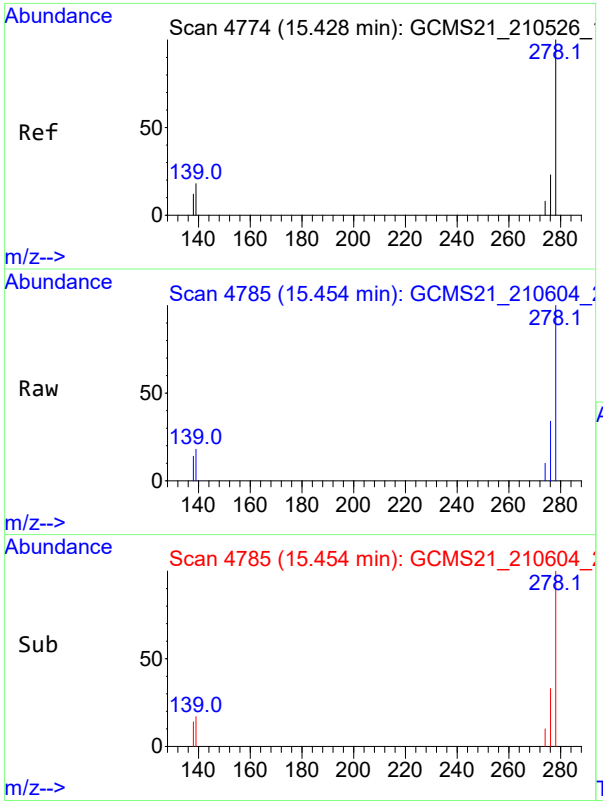


#29
Indeno(1,2,3-cd)pyrene
Concen: 200.77 ng/mL
RT: 15.386 min Scan# 4757
Delta R.T. 0.054 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:276 Resp: 197007

Ion	Ratio	Lower	Upper
276	100		
274	23.2	0.0	53.5
138	20.4	0.0	50.6

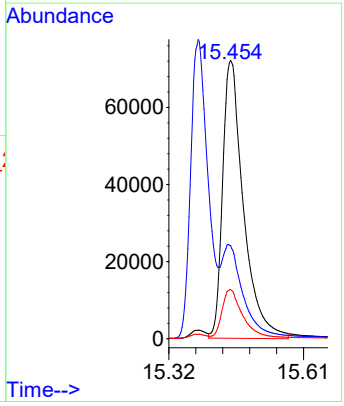


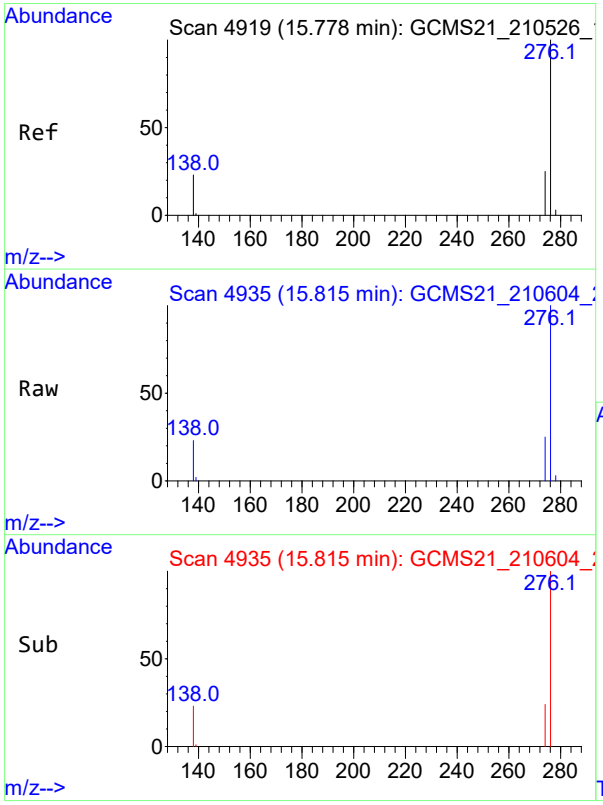


#30
Dibenz(a,h)anthracene
Concen: 222.96 ng/mL m
RT: 15.454 min Scan# 4785
Delta R.T. 0.049 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:278 Resp: 218049

Ion	Ratio	Lower	Upper
278	100		
276	32.7	0.0	58.7
139	13.9	0.0	47.2

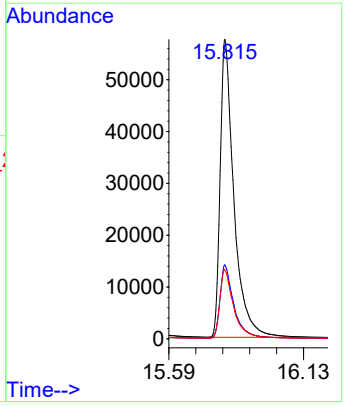




#31
Benzo(g,h,i)perylene
Concen: 169.63 ng/mL
RT: 15.815 min Scan# 4935
Delta R.T. 0.059 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:276 Resp: 216267

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.2
138	22.7	0.0	52.4



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_25.D
Acq On : 04 Jun 2021 18:37
Operator : MN GCMS21
Sample : CCV2_250
Misc : LIMS 21E1012
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 12:05:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

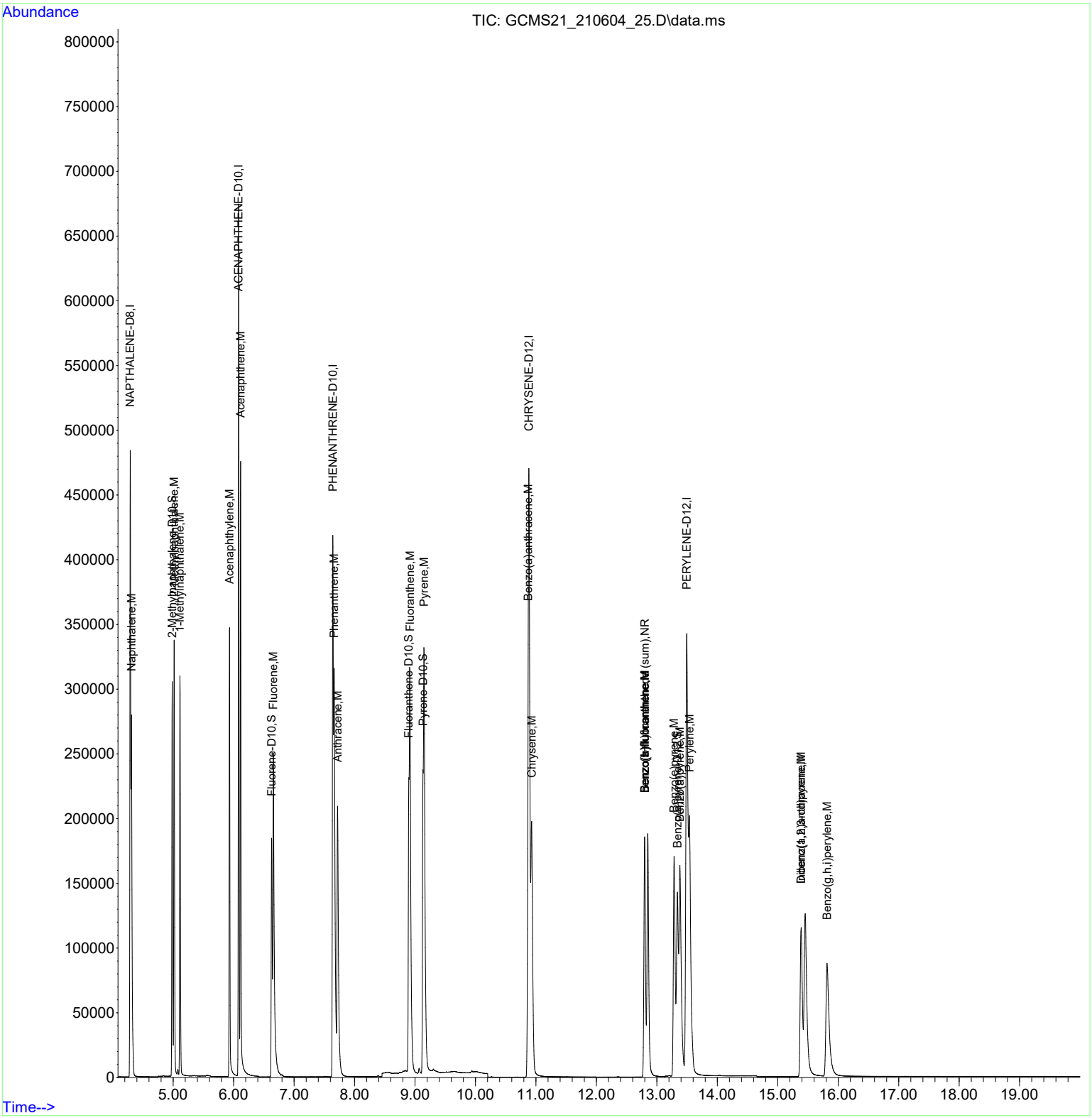
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.290	136	495451	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	277379	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.640	188	569633	500.00	ng/mL	0.01
16) CHRYSENE-D12	10.884	240	559142	500.00	ng/mL	0.02
21) PERYLENE-D12	13.495	264	605315	500.00	ng/mL	0.03
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.984	152	127773	204.91	ng/mL	0.00
9) Fluorene-D10	6.629	176	137993	207.79	ng/mL	0.00
14) Fluoranthene-D10	8.896	212	253689	205.68	ng/mL	0.01
17) Pyrene-D10	9.132	212	265155	207.85	ng/mL	0.01
26) Benzo(a)pyrene-D12	13.340	264	222776	226.52	ng/mL	0.03
Target Compounds						Qvalue
2) Naphthalene	4.310	128	199232	209.58	ng/mL	100
4) 2-Methylnaphthalene	5.016	142	135607	193.69	ng/mL	100
5) 1-Methylnaphthalene	5.112	142	122053	209.30	ng/mL	97
7) Acenaphthylene	5.932	152	203734	221.30	ng/mL	99
8) Acenaphthene	6.116	153	141434	200.70	ng/mL	99
10) Fluorene	6.658	166	159242	204.15	ng/mL	99
12) Phenanthrene	7.665	178	238428	173.43	ng/mL	100
13) Anthracene	7.719	178	253936	222.14	ng/mL	99
15) Fluoranthene	8.916	202	281929	194.31	ng/mL	98
18) Pyrene	9.150	202	293677	197.07	ng/mL	97
19) Benzo(a)anthracene	10.872	228	249101	221.49	ng/mL	100
20) Chrysene	10.929	228	270965	195.15	ng/mL	99
22) Benzo(b)fluoranthene	12.798	252	261633	208.23	ng/mL	100
23) Benzo(k)fluoranthene	12.798	252	261633	187.89	ng/mL	98
24) benzo(b+k)fluoranthene...	12.798	252	261633	191.64	ng/mL	98
25) Benzo(e)pyrene	13.285	252	248025	195.71	ng/mL	99
27) Benzo(a)pyrene	13.381	252	252968	220.60	ng/mL	99
28) Perylene	13.539	252	267130	207.43	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.386	276	197007	200.77	ng/mL	99
30) Dibenz(a,h)anthracene	15.386	278	4624	4.73	ng/mL#	1
31) Benzo(g,h,i)perylene	15.815	276	216267	169.63	ng/mL	99

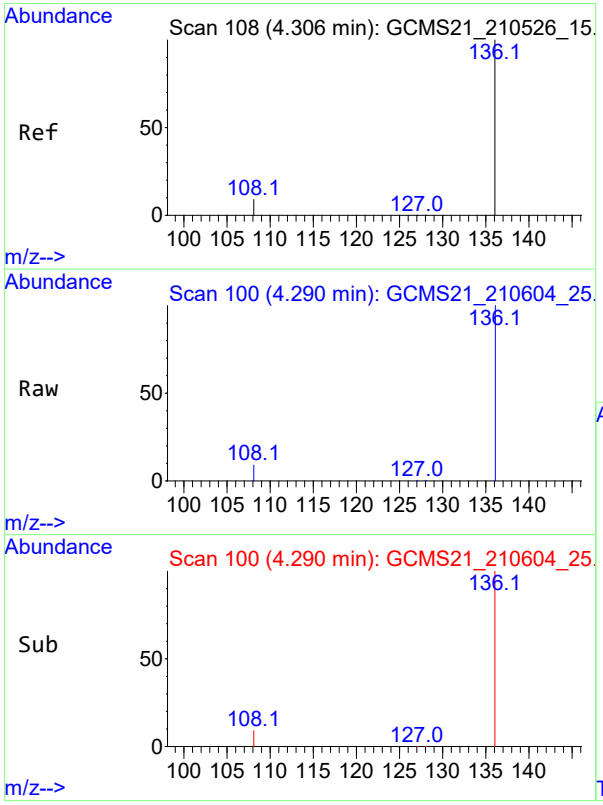
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_25.D
Acq On : 04 Jun 2021 18:37
Operator : MN GCMS21
Sample : CCV2_250
Misc : LIMS 21E1012
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 12:05:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

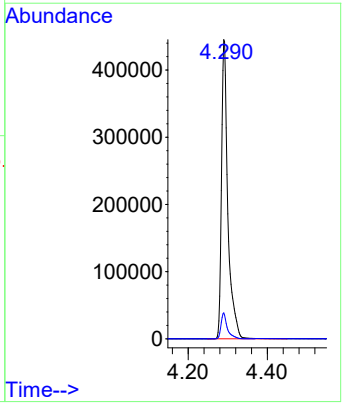


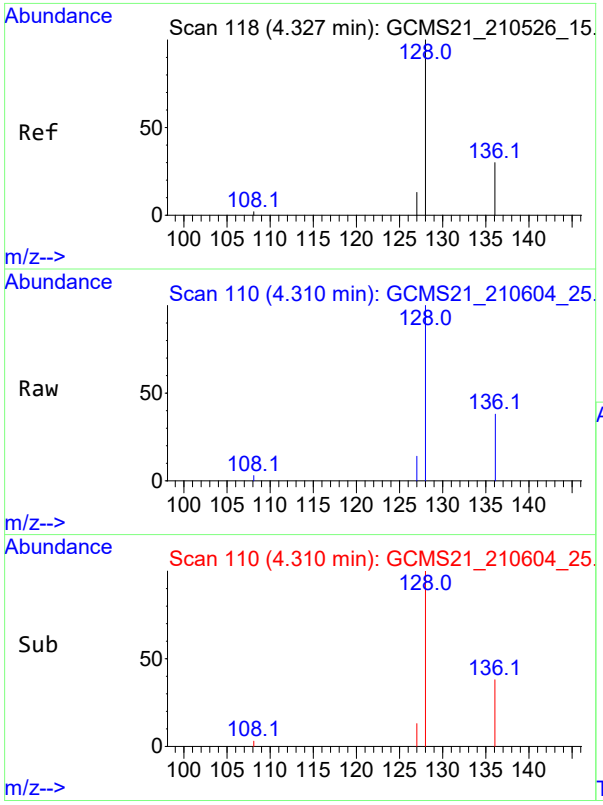


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.290 min Scan# 100
Delta R.T. 0.002 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:136 Resp: 495451

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.6

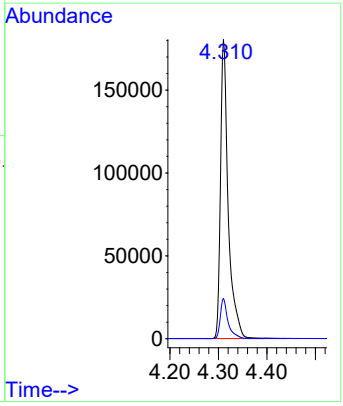


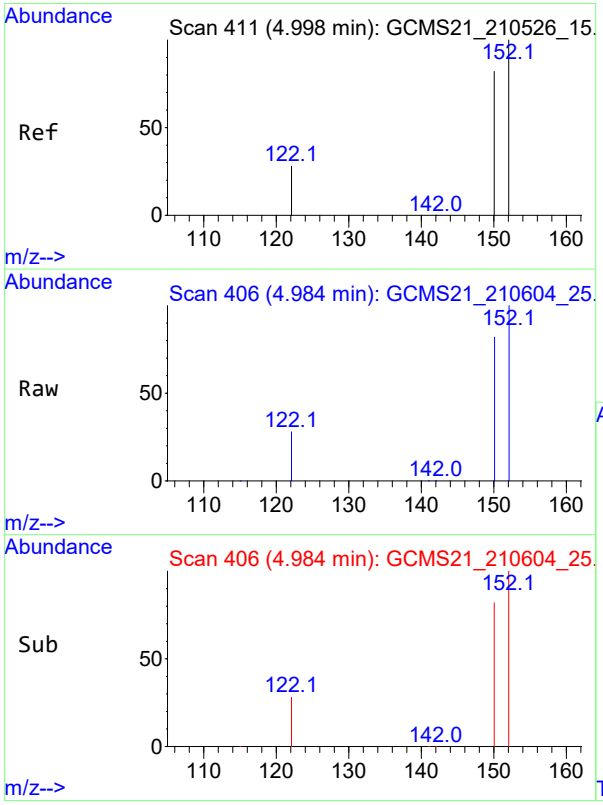


#2
Naphthalene
Concen: 209.58 ng/mL
RT: 4.310 min Scan# 110
Delta R.T. 0.002 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:128 Resp: 199232

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.4

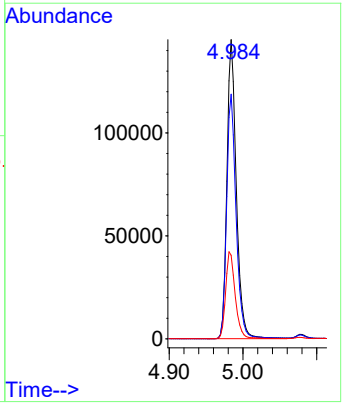


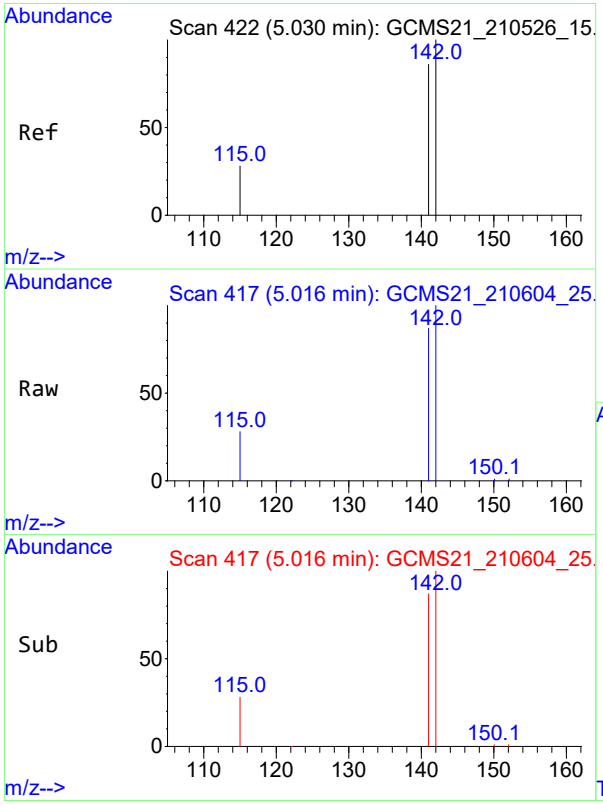


#3
2-Methylnaphthalene-D10
Concen: 204.91 ng/mL
RT: 4.984 min Scan# 406
Delta R.T. 0.003 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:152 Resp: 127773

Ion	Ratio	Lower	Upper
152	100		
150	82.7	52.3	112.3
122	29.8	0.0	57.8

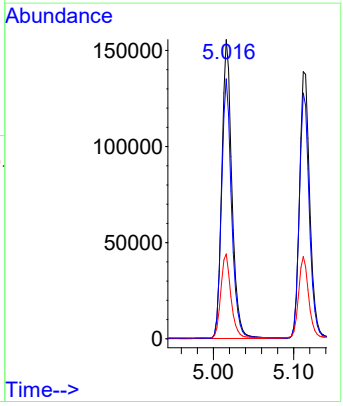


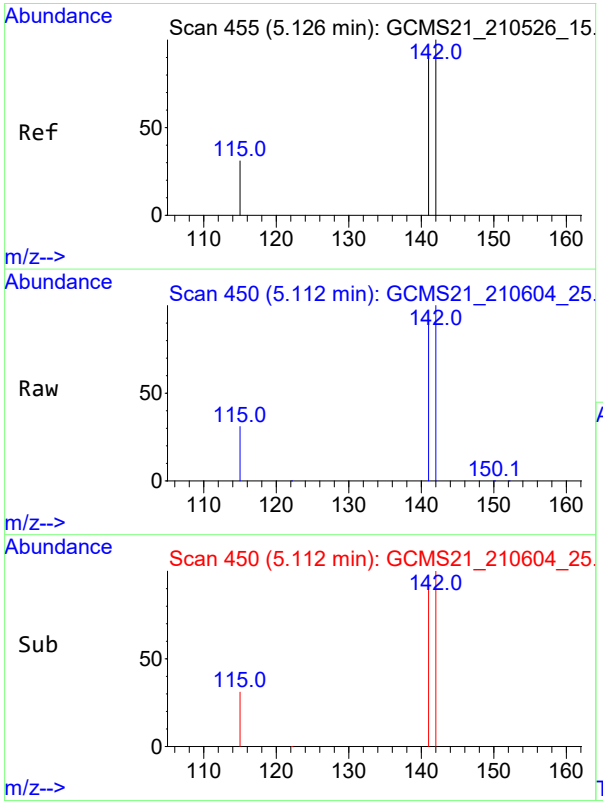


#4
2-Methylnaphthalene
Concen: 193.69 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. 0.003 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:142 Resp: 135607

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.9	116.9
115	27.8	0.0	57.7

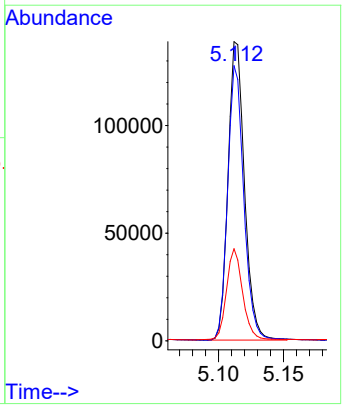


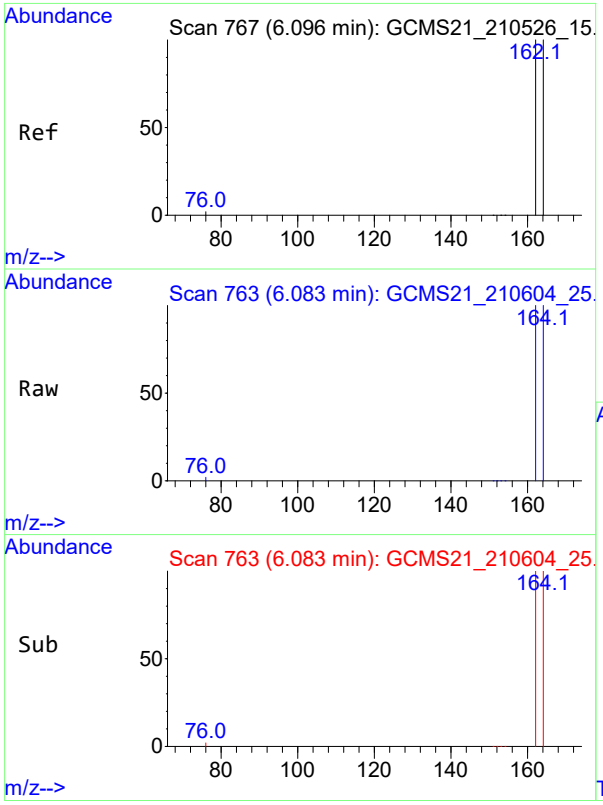


#5
1-Methylnaphthalene
Concen: 209.30 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:142 Resp: 122053

Ion	Ratio	Lower	Upper
142	100		
141	90.2	57.9	117.9
115	29.6	0.0	57.0

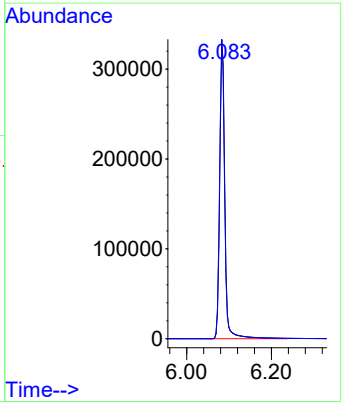


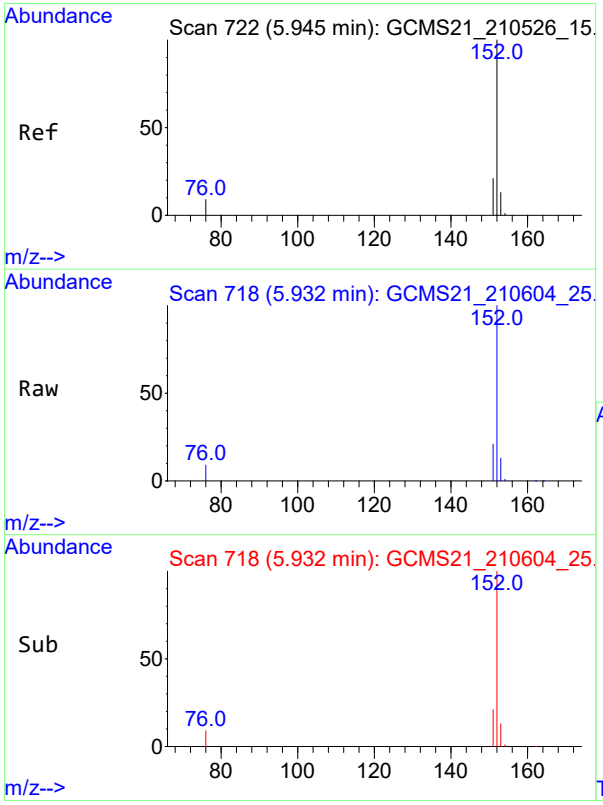


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:164 Resp: 277379

Ion	Ratio	Lower	Upper
164	100		
162	99.7	81.0	121.0

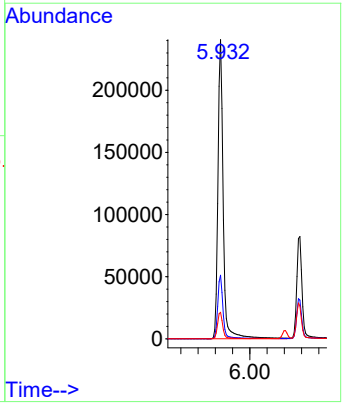


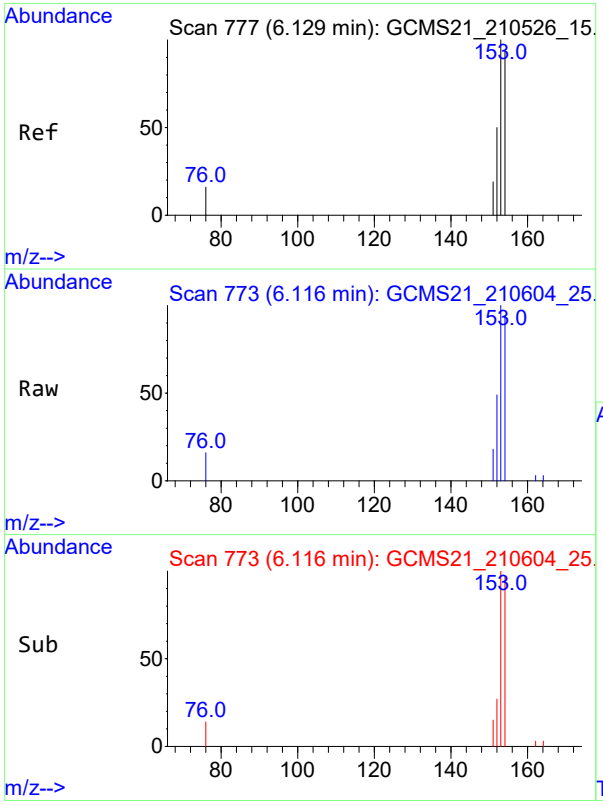


#7
Acenaphthylene
Concen: 221.30 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:152 Resp: 203734

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	51.0
76	9.0	0.0	38.6

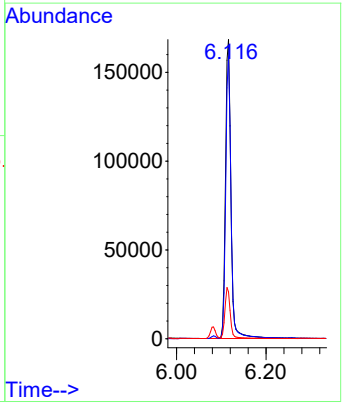


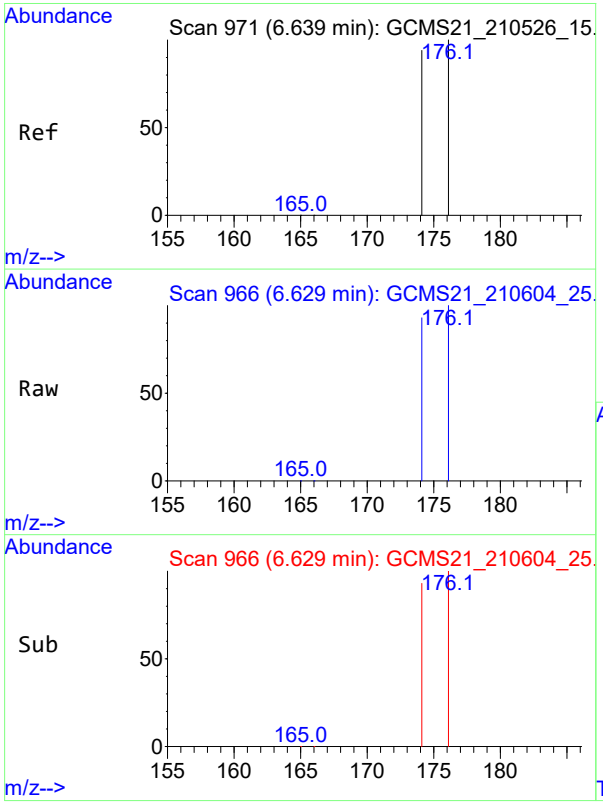


#8
Acenaphthene
Concen: 200.70 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:153 Resp: 141434

Ion	Ratio	Lower	Upper
153	100		
154	92.9	63.7	123.7
76	17.0	0.0	45.2

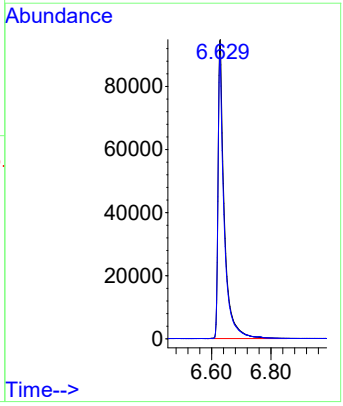


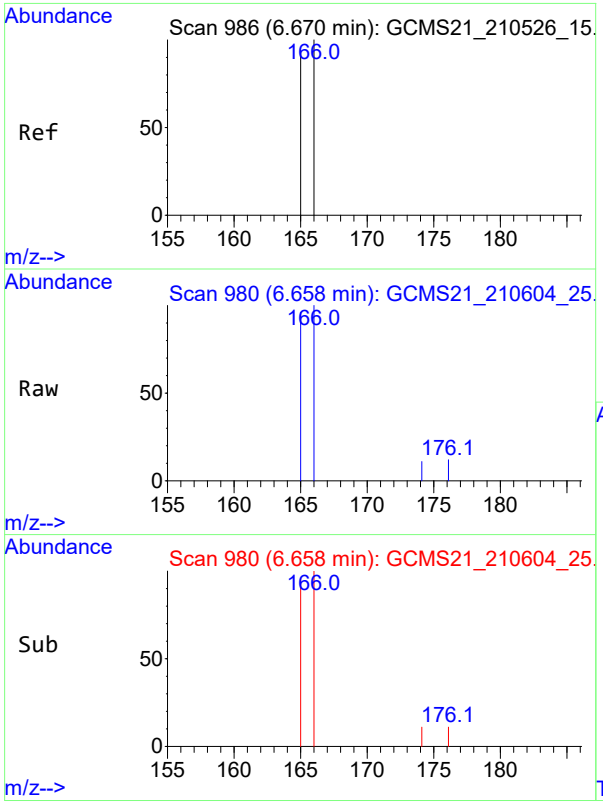


#9
Fluorene-D10
Concen: 207.79 ng/mL
RT: 6.629 min Scan# 966
Delta R.T. 0.006 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:176 Resp: 137993

Ion	Ratio	Lower	Upper
176	100		
174	93.5	63.9	123.9

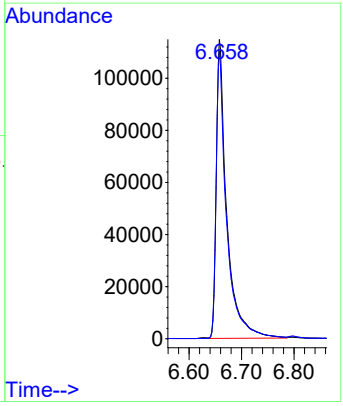


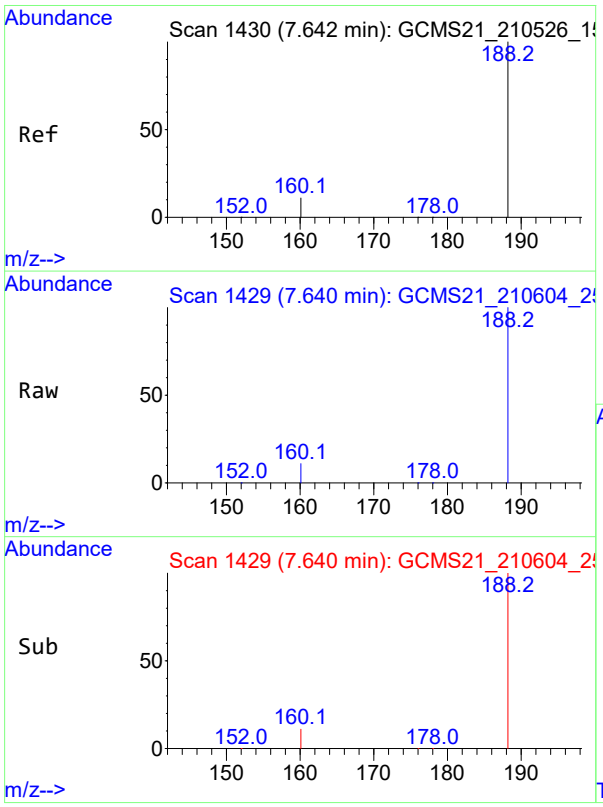


#10
Fluorene
Concen: 204.15 ng/mL
RT: 6.658 min Scan# 980
Delta R.T. 0.006 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:166 Resp: 159242

Ion	Ratio	Lower	Upper
166	100		
165	96.1	65.1	125.1

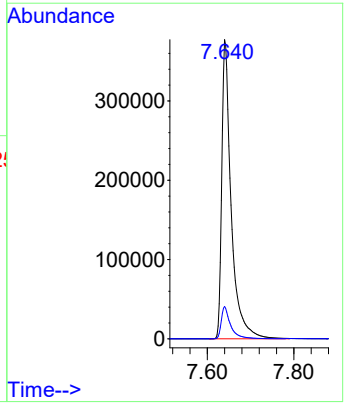


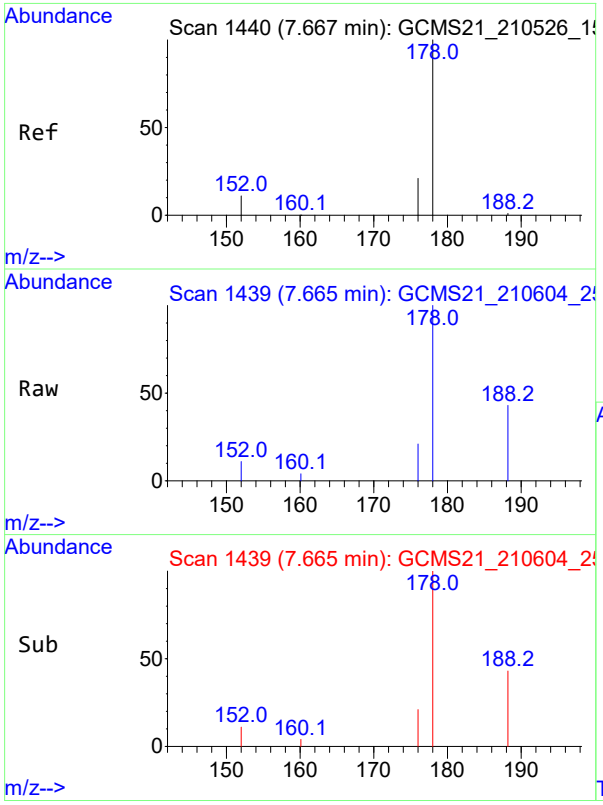


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.640 min Scan# 1429
Delta R.T. 0.012 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:188 Resp: 569633

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

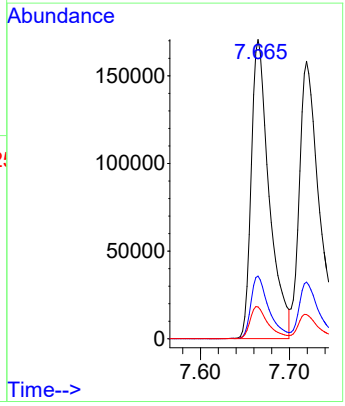


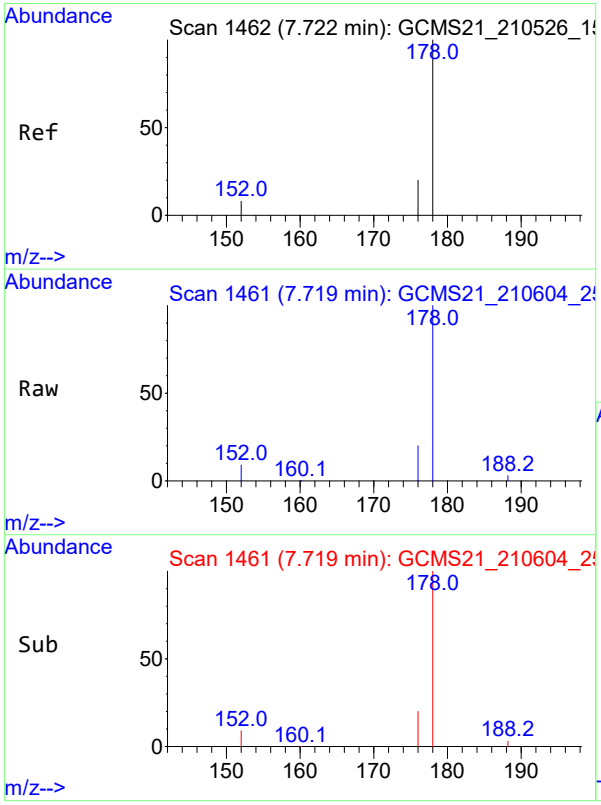


#12
Phenanthrene
Concen: 173.43 ng/mL
RT: 7.665 min Scan# 1439
Delta R.T. 0.015 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:178 Resp: 238428

Ion	Ratio	Lower	Upper
178	100		
176	21.0	0.0	51.1
152	10.9	0.0	40.5

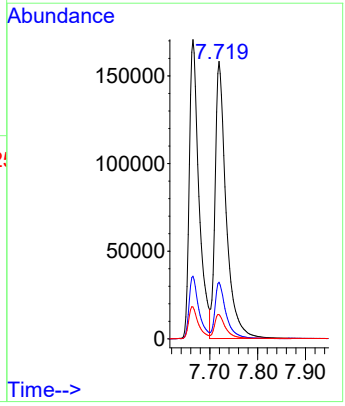


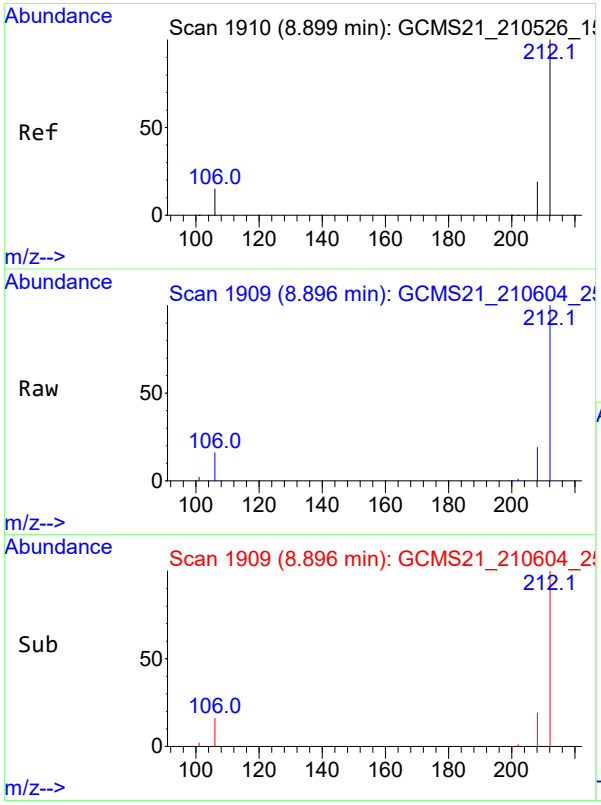


#13
Anthracene
Concen: 222.14 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. 0.015 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:178 Resp: 253936

Ion	Ratio	Lower	Upper
178	100		
176	20.4	0.0	50.0
152	8.9	0.0	38.2

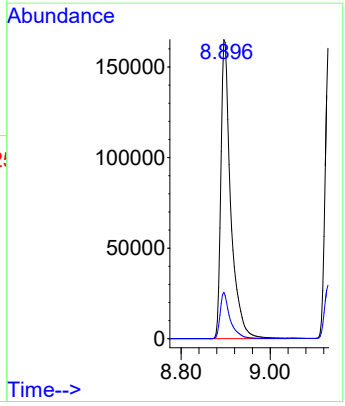


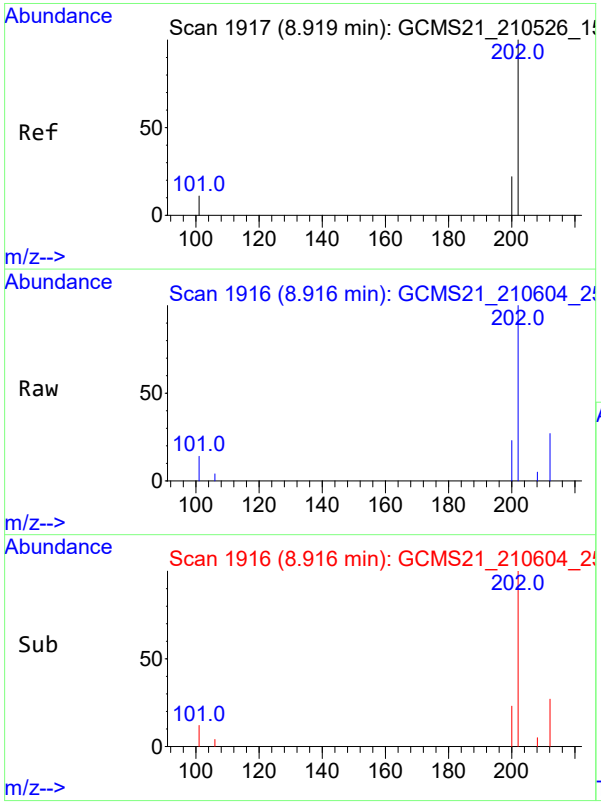


#14
Fluoranthene-D10
Concen: 205.68 ng/mL
RT: 8.896 min Scan# 1909
Delta R.T. 0.015 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:212 Resp: 253689

Ion	Ratio	Lower	Upper
212	100		
106	15.3	0.0	43.1

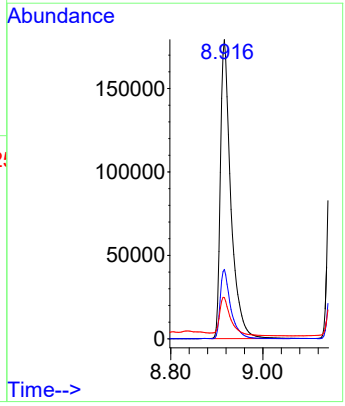


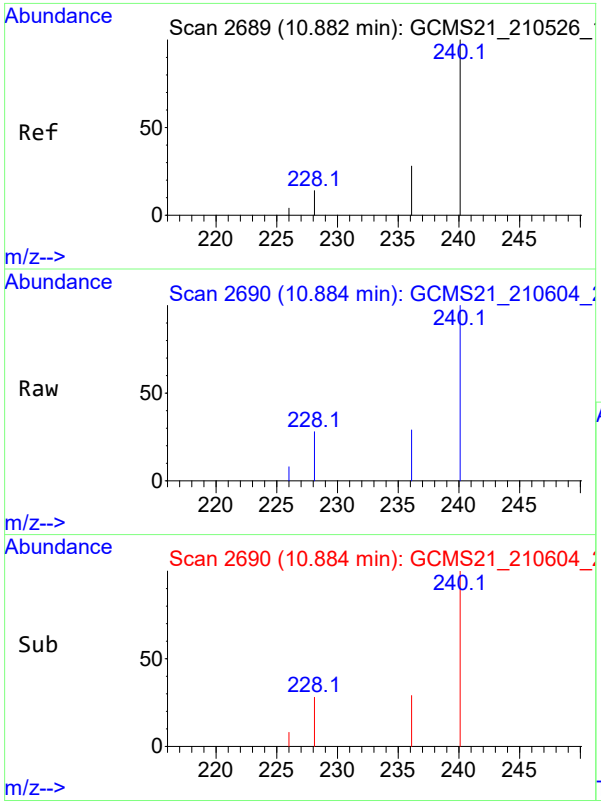


#15
Fluoranthene
Concen: 194.31 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. 0.017 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:202 Resp: 281929

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.3
101	14.1	0.0	41.8

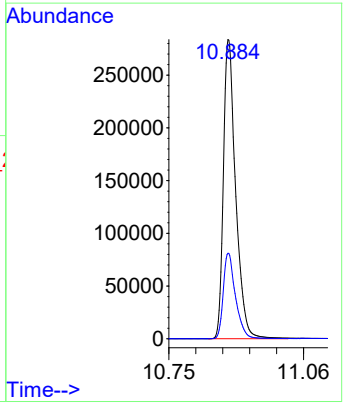


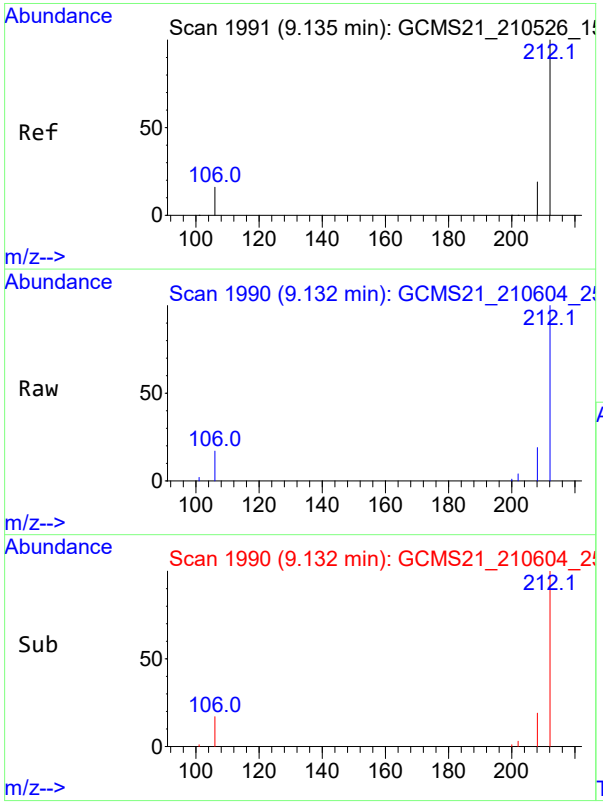


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.884 min Scan# 2690
Delta R.T. 0.022 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:240 Resp: 559142

Ion	Ratio	Lower	Upper
240	100		
236	28.6	0.0	58.5

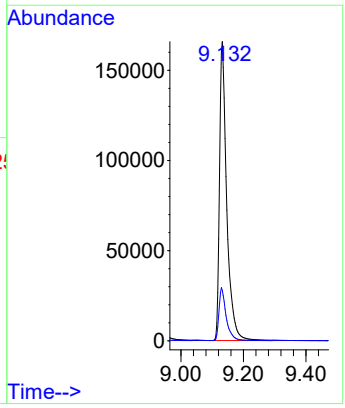


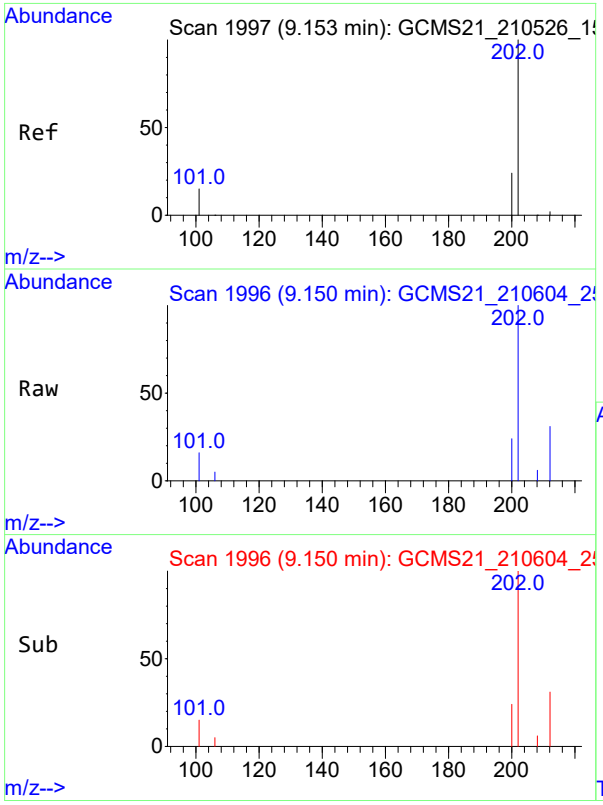


#17
Pyrene-D10
Concen: 207.85 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. 0.012 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:212 Resp: 265155

Ion	Ratio	Lower	Upper
212	100		
106	17.7	0.0	46.3

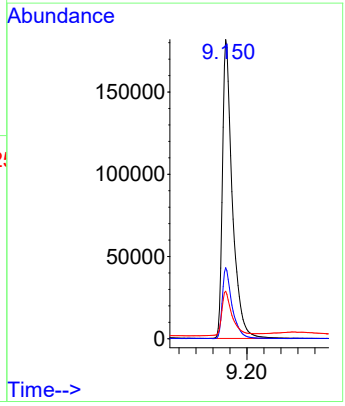


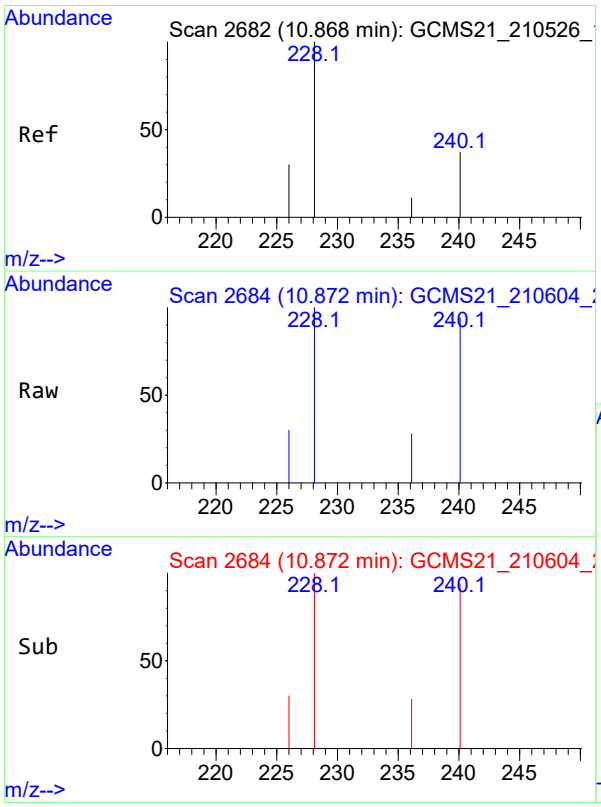


#18
Pyrene
Concen: 197.07 ng/mL
RT: 9.150 min Scan# 1996
Delta R.T. 0.009 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:202 Resp: 293677

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.3
101	16.1	0.0	43.2

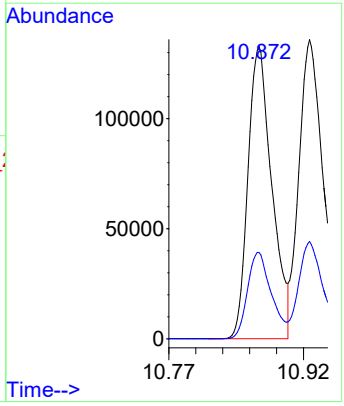


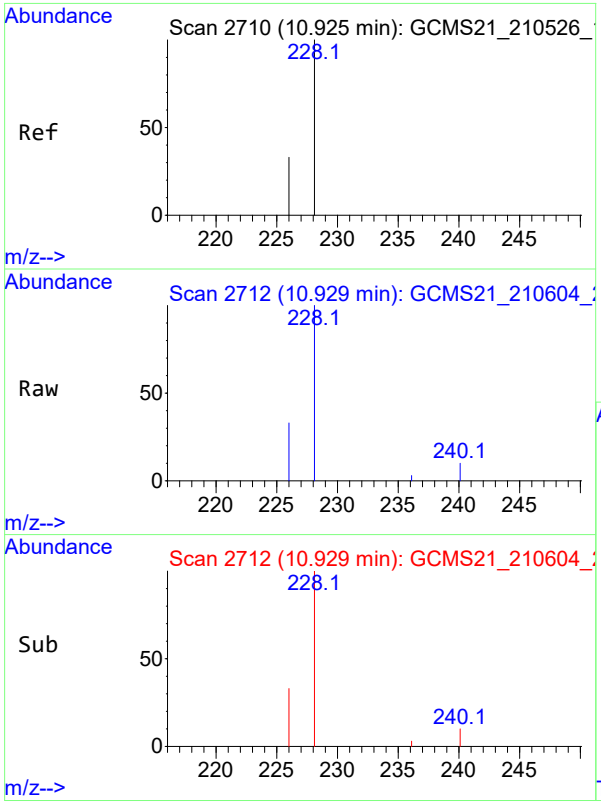


#19
Benzo(a)anthracene
Concen: 221.49 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. 0.024 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:228 Resp: 249101

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.2

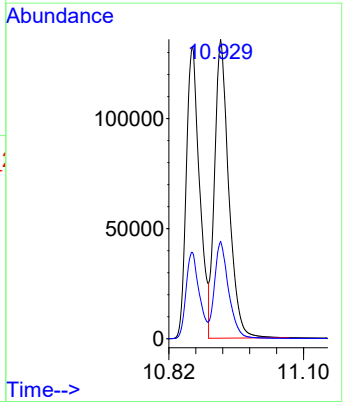


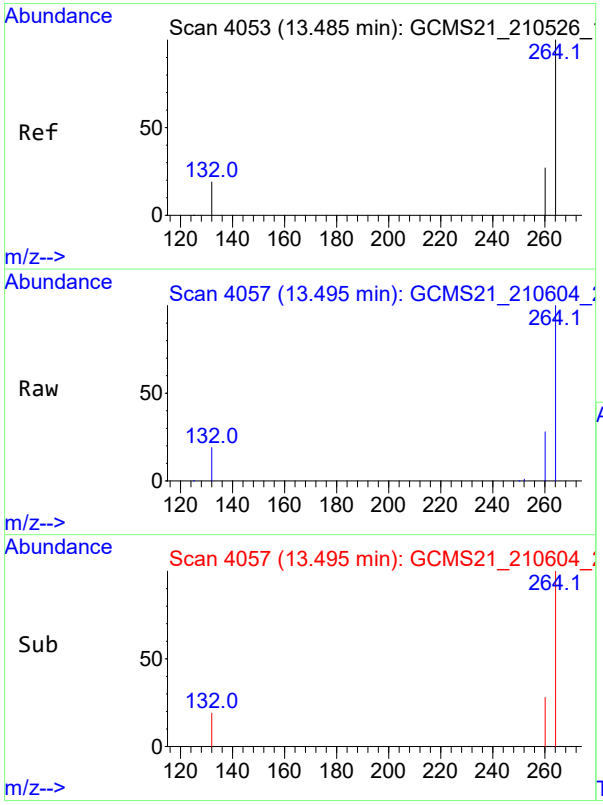


#20
Chrysene
Concen: 195.15 ng/mL
RT: 10.929 min Scan# 2712
Delta R.T. 0.024 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:228 Resp: 270965

Ion	Ratio	Lower	Upper
228	100		
226	32.7	1.9	61.9

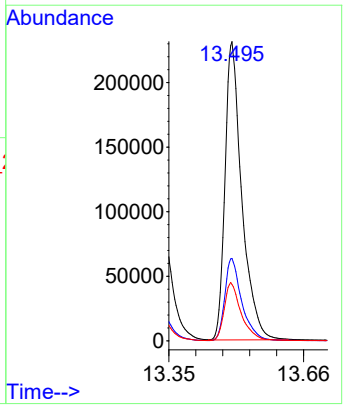


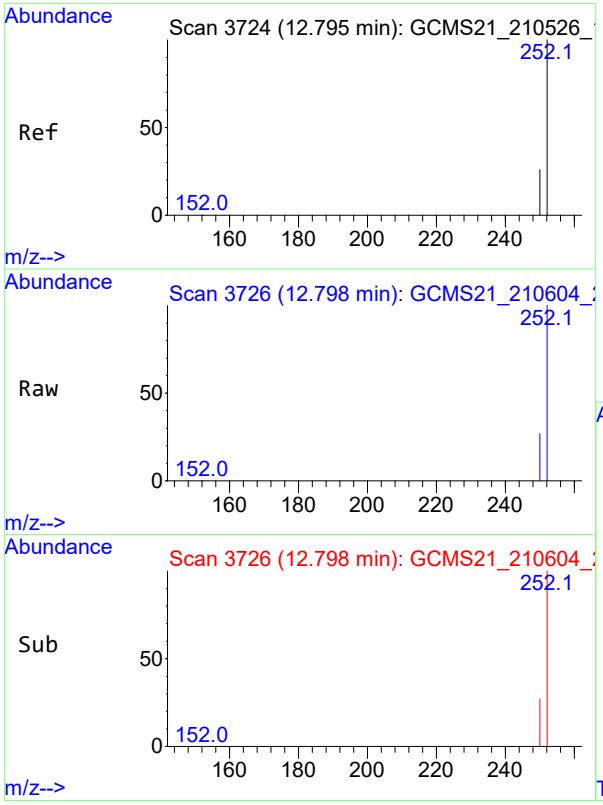


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.495 min Scan# 4057
Delta R.T. 0.034 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:264 Resp: 605315

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.7
132	19.4	0.0	49.0

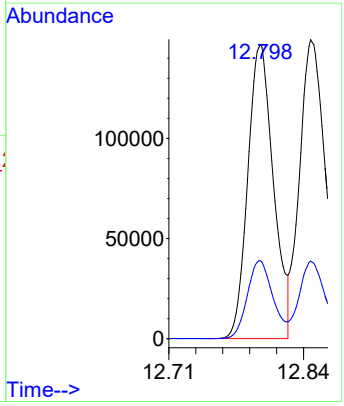


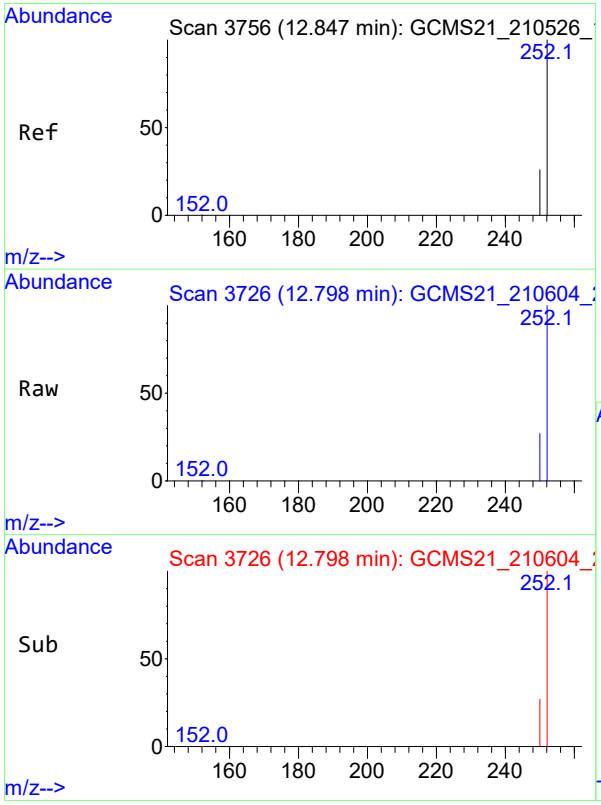


#22
Benzo(b)fluoranthene
Concen: 208.23 ng/mL
RT: 12.798 min Scan# 3726
Delta R.T. 0.026 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 261633

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	56.1

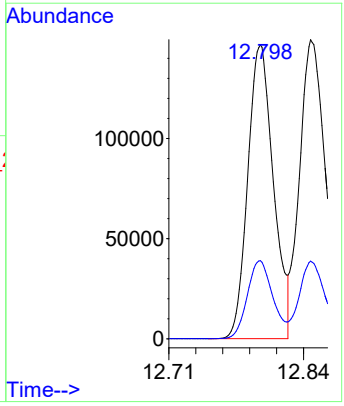


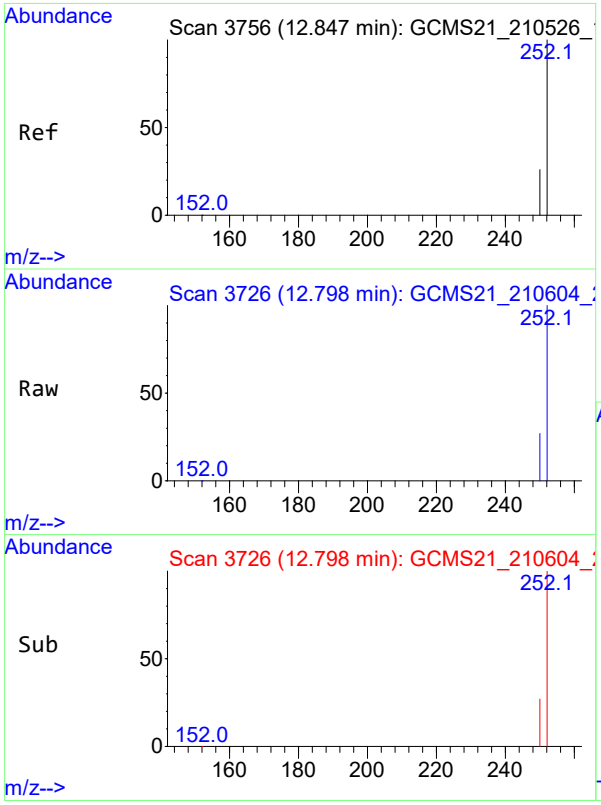


#23
Benzo(k)fluoranthene
Concen: 187.89 ng/mL
RT: 12.798 min Scan# 3726
Delta R.T. -0.025 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 261633

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	55.4

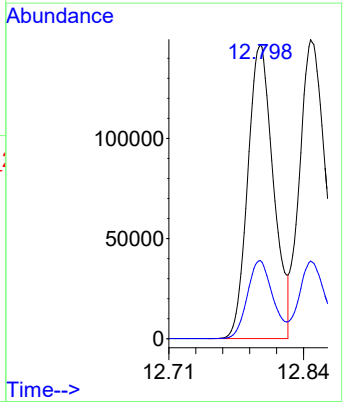


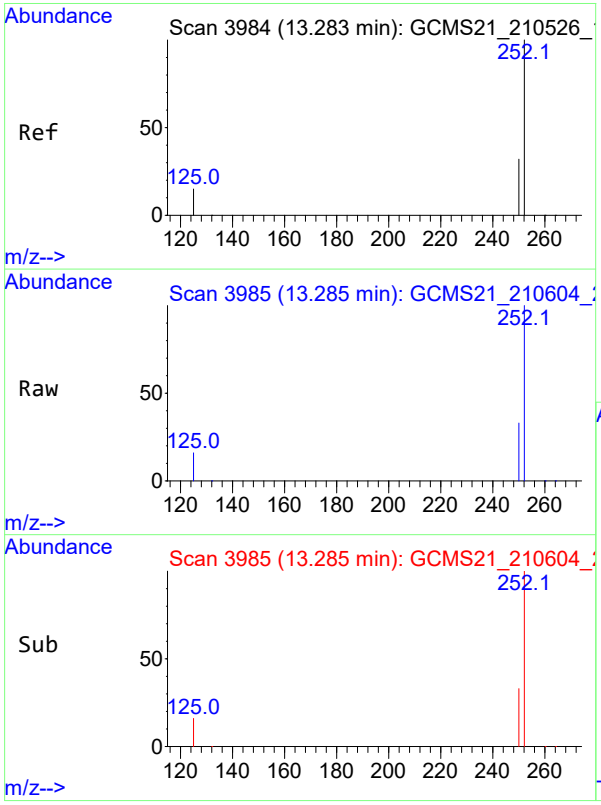


#24
benzo(b+k)fluoranthene (sum)
Concen: 191.64 ng/mL
RT: 12.798 min Scan# 3726
Delta R.T. -0.025 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 261633

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	55.4

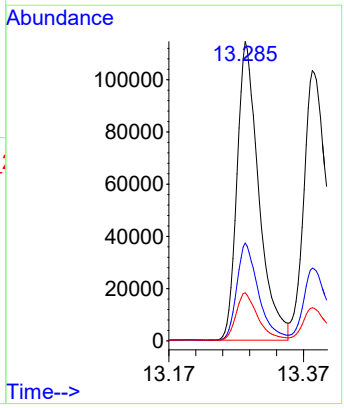


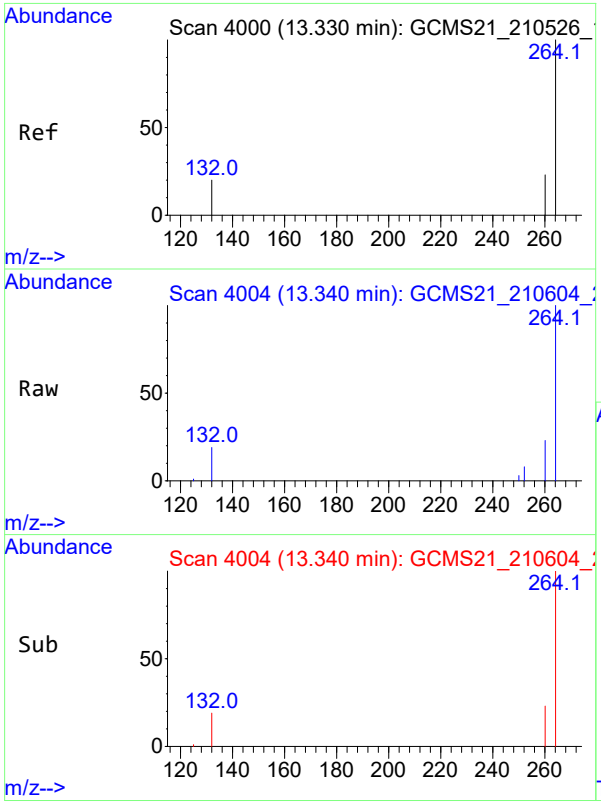


#25
Benzo(e)pyrene
Concen: 195.71 ng/mL
RT: 13.285 min Scan# 3985
Delta R.T. 0.025 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 248025

Ion	Ratio	Lower	Upper
252	100		
250	32.6	2.1	62.1
125	16.0	0.0	45.8

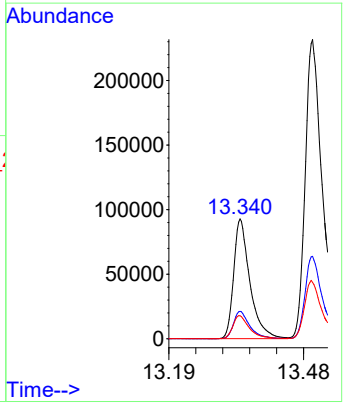


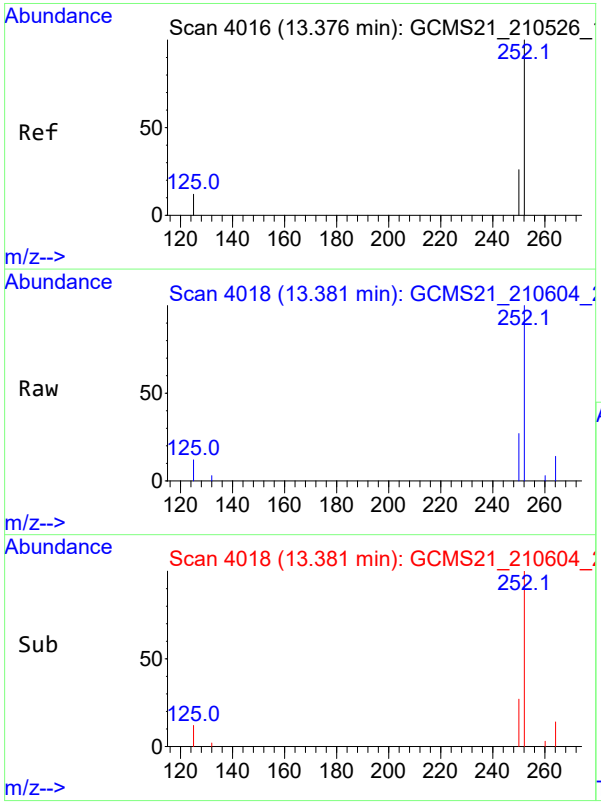


#26
Benzo(a)pyrene-D12
Concen: 226.52 ng/mL
RT: 13.340 min Scan# 4004
Delta R.T. 0.028 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:264 Resp: 222776

Ion	Ratio	Lower	Upper
264	100		
260	23.0	0.0	52.9
132	19.2	0.0	48.4

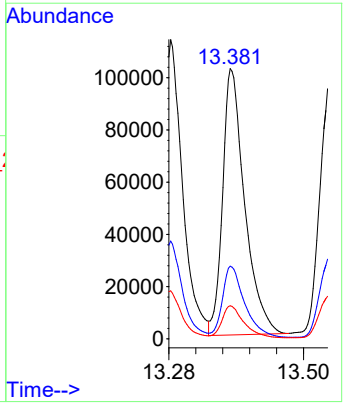


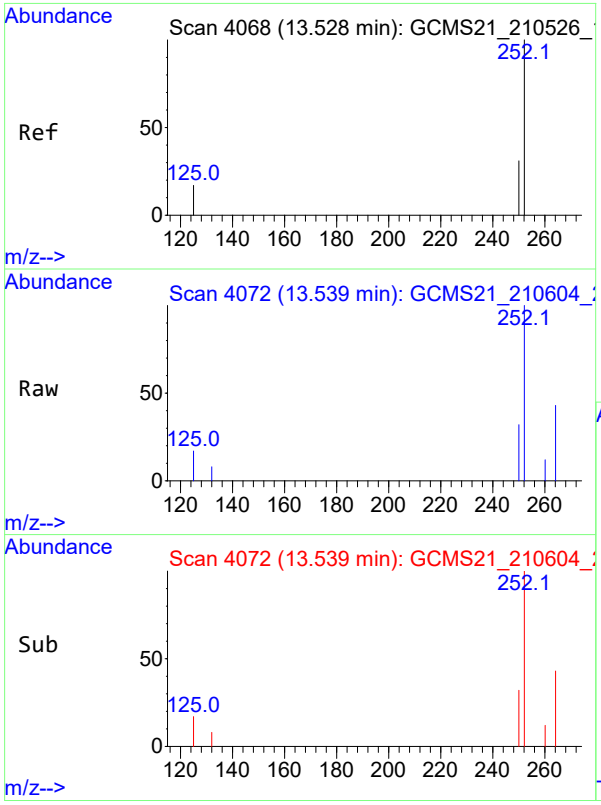


#27
Benzo(a)pyrene
Concen: 220.60 ng/mL
RT: 13.381 min Scan# 4018
Delta R.T. 0.031 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 252968

Ion	Ratio	Lower	Upper
252	100		
250	27.1	0.0	56.7
125	12.1	0.0	42.1

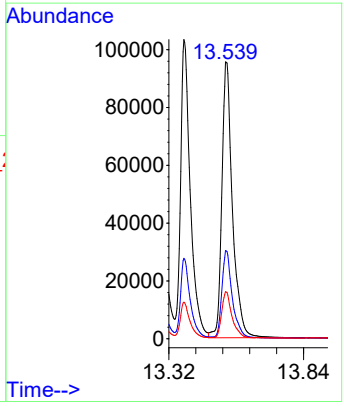


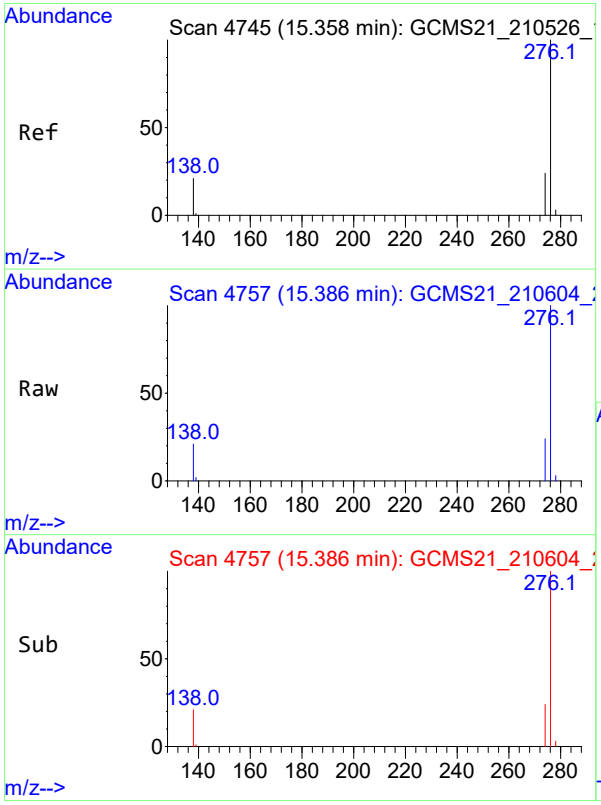


#28
Perylene
Concen: 207.43 ng/mL
RT: 13.539 min Scan# 4072
Delta R.T. 0.034 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:252 Resp: 267130

Ion	Ratio	Lower	Upper
252	100		
250	31.0	1.2	61.2
125	16.3	0.0	46.5

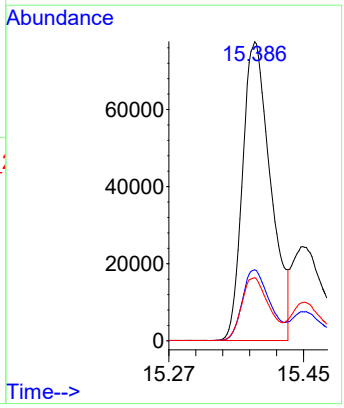


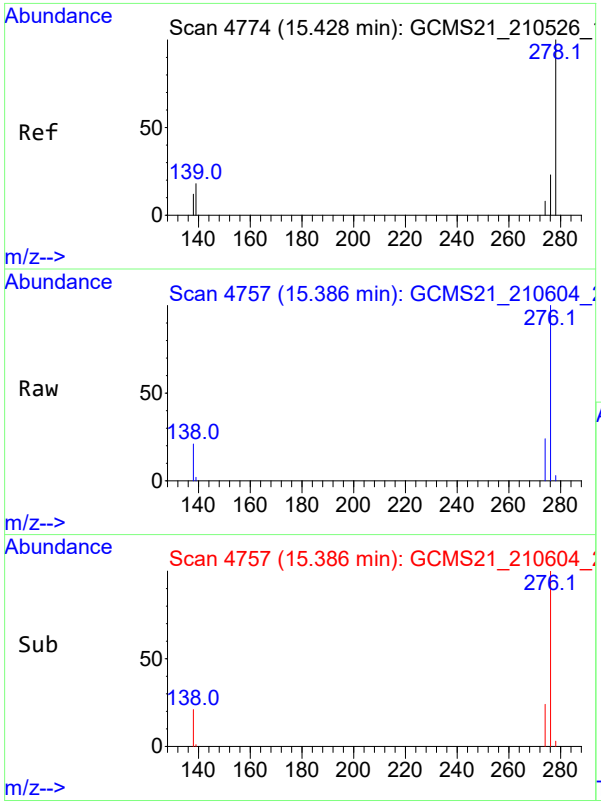


#29
Indeno(1,2,3-cd)pyrene
Concen: 200.77 ng/mL
RT: 15.386 min Scan# 4757
Delta R.T. 0.054 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:276 Resp: 197007

Ion	Ratio	Lower	Upper
276	100		
274	23.2	0.0	53.5
138	20.4	0.0	50.6

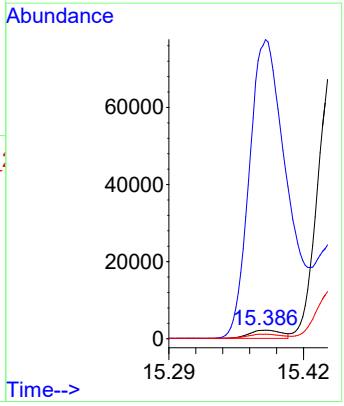


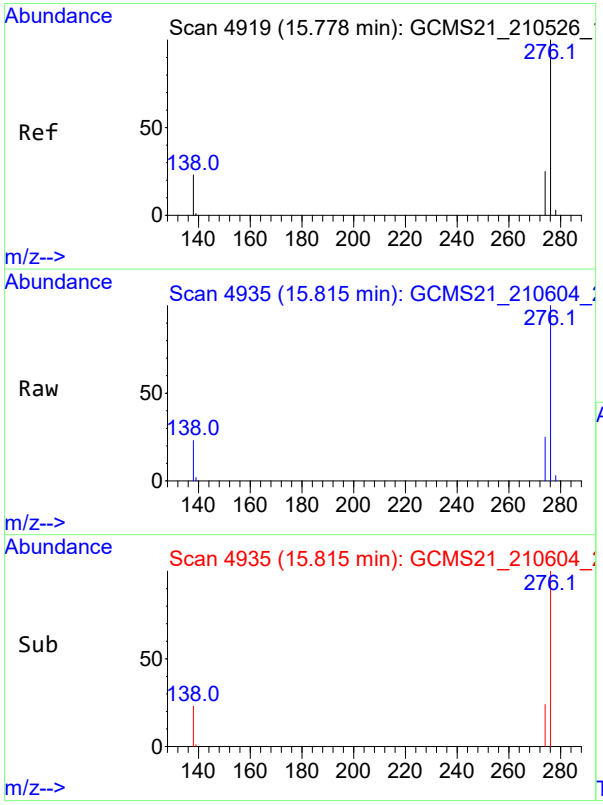


#30
Dibenz(a,h)anthracene
Concen: 4.73 ng/mL
RT: 15.386 min Scan# 4757
Delta R.T. -0.018 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:278 Resp: 4624

Ion	Ratio	Lower	Upper
278	100		
276	4260.5	0.0	58.7#
139	52.9	0.0	47.2#

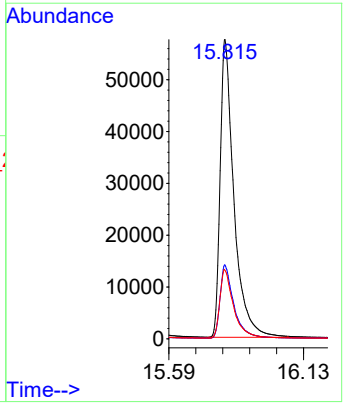




#31
Benzo(g,h,i)perylene
Concen: 169.63 ng/mL
RT: 15.815 min Scan# 4935
Delta R.T. 0.059 min
Lab File: GCMS21_210604_25.D
Acq: 04 Jun 2021 18:37

Tgt Ion:276 Resp: 216267

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.2
138	22.7	0.0	52.4



Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_25.D
Acq On : 04 Jun 2021 18:37
Operator : MN GCMS21
Sample : CCV2_250
Misc : LIMS 21E1012
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 12:05:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	114	0.00
2	M	Naphthalene	250.000	209.578	16.2	96	0.00
3	S	2-Methylnaphthalene-D10	250.000	204.909	18.0	92	0.00
4	M	2-Methylnaphthalene	250.000	193.694	22.5	94	0.00
5	M	1-Methylnaphthalene	250.000	209.300	16.3	94	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	113	0.00
7	M	Acenaphthylene	250.000	221.301	11.5	105	0.00
8	M	Acenaphthene	250.000	200.701	19.7	95	0.00
9	S	Fluorene-D10	250.000	207.795	16.9	96	0.00
10	M	Fluorene	250.000	204.152	18.3	96	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	122	0.01
12	M	Phenanthrene	250.000	173.429	30.6#	91	0.01
13	M	Anthracene	250.000	222.136	11.1	112	0.01
14	S	Fluoranthene-D10	250.000	205.678	17.7	100	0.01
15	M	Fluoranthene	250.000	194.306	22.3	100	0.02
16	I	CHRYSENE-D12	500.000	500.000	0.0	118	0.02
17	S	Pyrene-D10	250.000	207.846	16.9	98	0.01
18	M	Pyrene	250.000	197.071	21.2	98	0.00
19	M	Benzo(a)anthracene	250.000	221.492	11.4	107	0.02
20	M	Chrysene	250.000	195.150	21.9	99	0.02
21	I	PERYLENE-D12	500.000	500.000	0.0	121	0.03
22	M	Benzo(b)fluoranthene	250.000	208.225	16.7	107	0.03
23	M	Benzo(k)fluoranthene	250.000	187.886	24.8	98	-0.02
24	NR	benzo(b+k)fluoranthene (sum	500.000	403.955	19.2	108	0.03
25	M	Benzo(e)pyrene	250.000	195.709	21.7	97	0.03
26	S	Benzo(a)pyrene-D12	250.000	226.523	9.4	108	0.03
27	M	Benzo(a)pyrene	250.000	220.602	11.8	108	0.03
28	M	Perylene	250.000	207.427	17.0	100	0.03
29	M	Indeno(1,2,3-cd)pyrene	250.000	200.768	19.7	102	0.05
30	M	Dibenz(a,h)anthracene	250.000	222.960	10.8	108	0.05
31	M	Benzo(g,h,i)perylene	250.000	169.629	32.1#	87	0.06

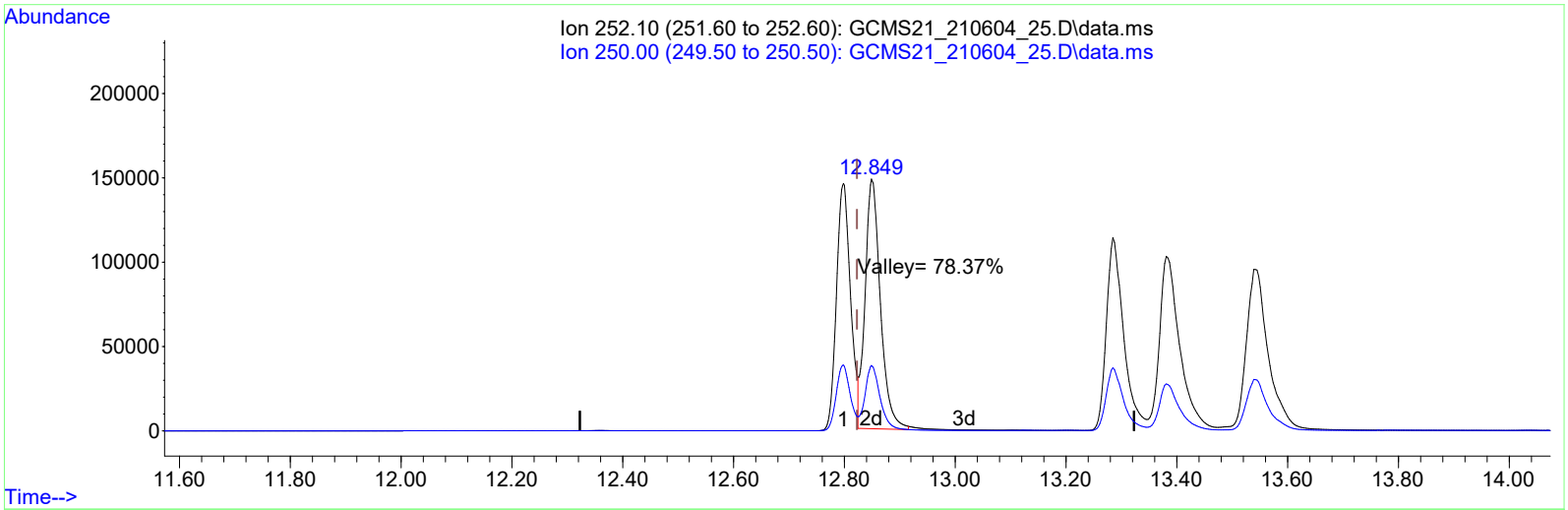
Highlight analytes are outside CCV acceptable limits
MN 07.02.2021

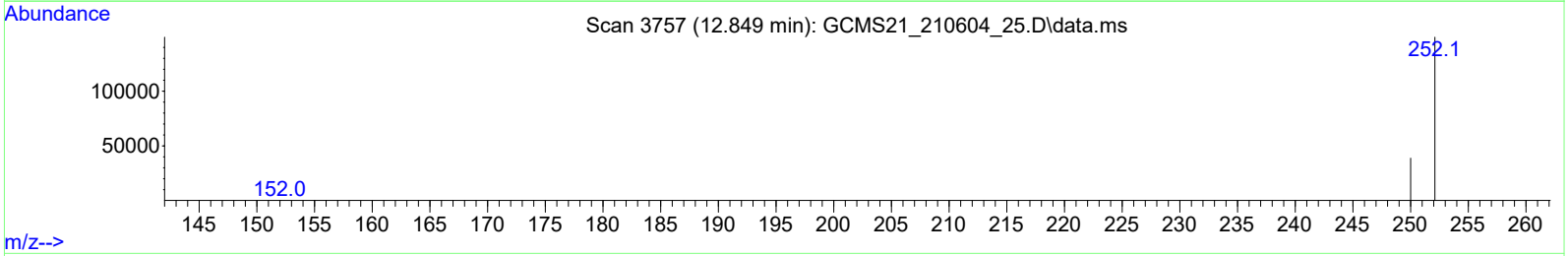
(#) = Out of Range SPCC's out = 0 CCC's out = 0

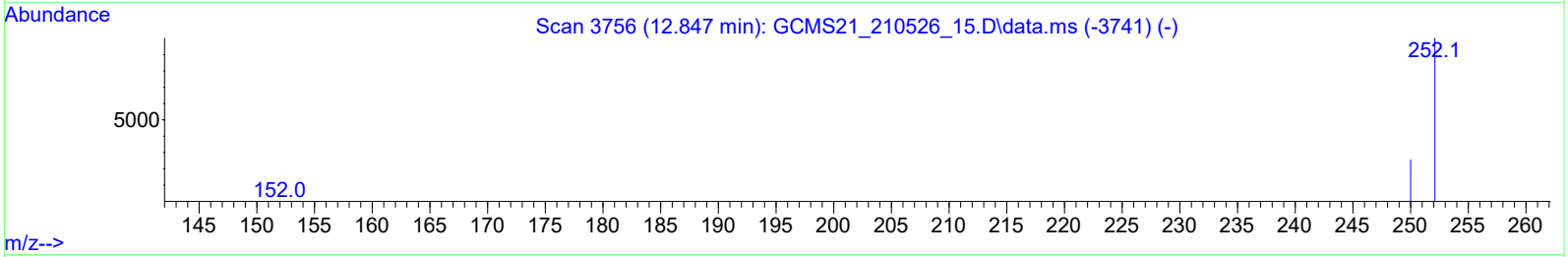
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_25.D
Acq On : 04 Jun 2021 18:37
Operator : MN GCMS21
Sample : CCV2_250
Misc : LIMS 21E1012
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 12:05:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_25.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.849min (+ 0.026) 403.96 ng/mL m

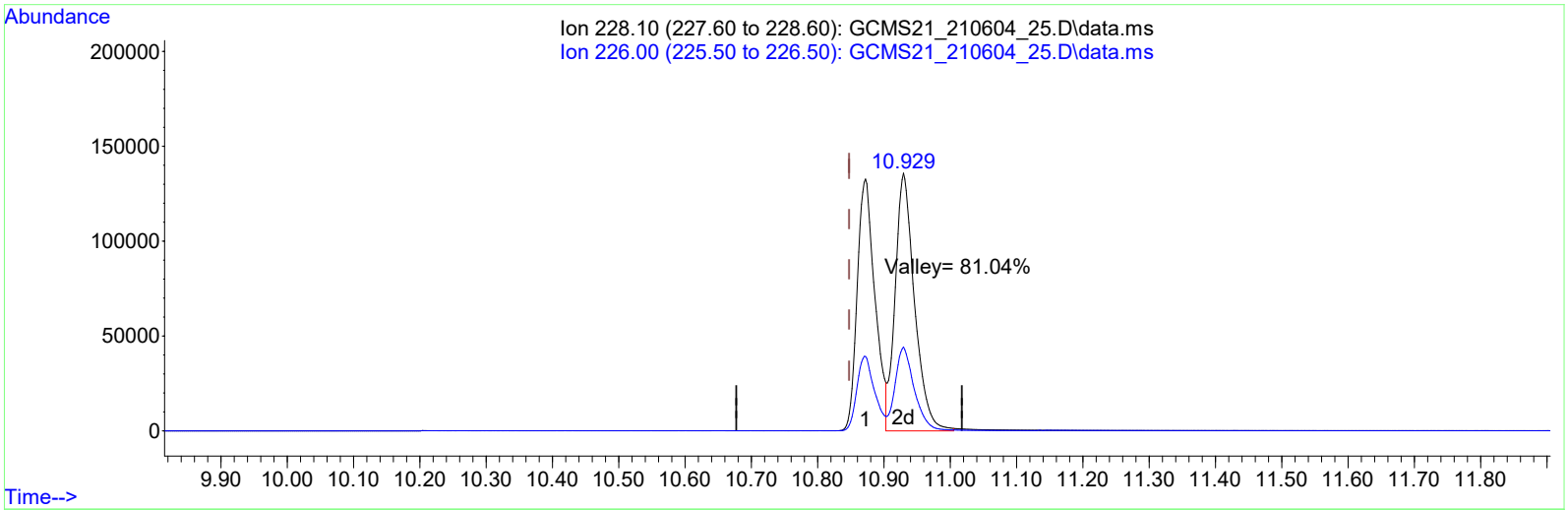
response 551506

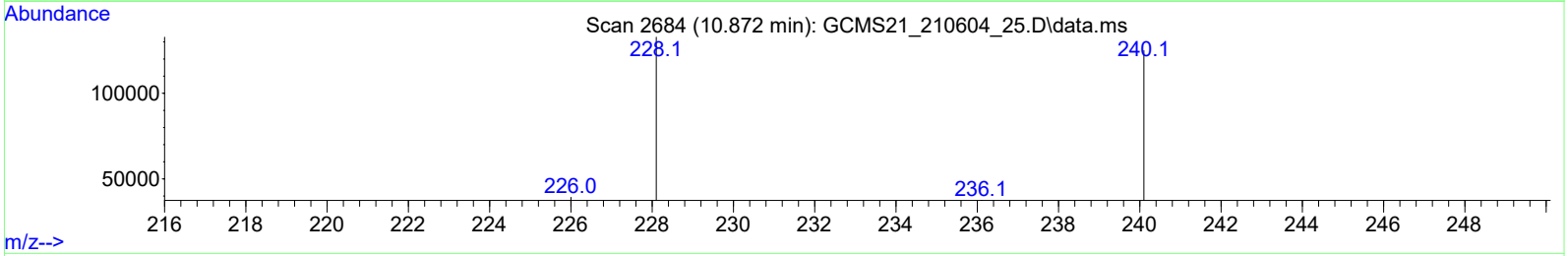
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.40	12.47
0.00	0.00	0.00
0.00	0.00	0.00

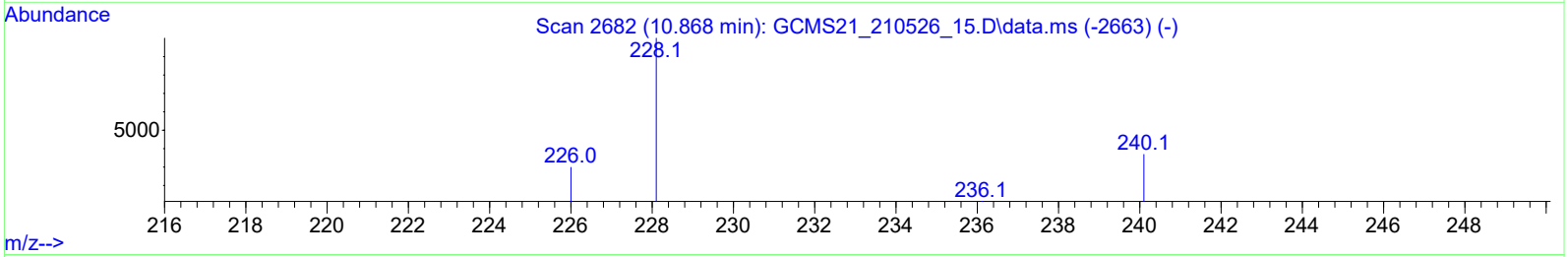
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_25.D
Acq On : 04 Jun 2021 18:37
Operator : MN GCMS21
Sample : 21F0703-CCV2
Misc : LIMS 21E1012
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 30 12:05:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_25.D\data.ms

(19) Benzo(a)anthracene (M)

10.872min (+ 0.024) 221.49 ng/mL

response 249101

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.20	29.35
0.00	0.00	0.00
0.00	0.00	0.00

```
    Starting sequence Tue Jun 08 08:41:20 2021

  Instrument Name: GCMS
    Sequence File: D:\MassHunter\GCMS\1\sequence\210608_WO_05008_29_30_35.sequence.
...                xml
          Comment: BURNS HARBOR
         Operator: MN GCMS21
        Data Path: D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\

    Line  Type          Vials    DataFile                       Sample Name
    ----------------------------------------------------------------------
    Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
    Acquisition Method File: PAHSCANPulsedSpliless_MS21_210202_9mmlens.M
      1) Blank            1      GCMS21_210608_01       DCM
         Comment: 20b2801
      2) TuneCheck        2      GCMS21_210608_02       ICP 50
         Comment: LIMS 21E1232

    Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
    Acquisition Method File: PAHSIMPulsedSpliless_MS21_21526.M
      3) CC               3      GCMS21_210608_03       CCV1_250
         Comment: LIMS 21F0101
      4) Blank            4      GCMS21_210608_04       CAL0
         Comment: LIMS 21D3002
    Sequence Table edit performed Tue Jun 08 10:19:11 2021

    Sequence paused Tue Jun 08 10:19:11 2021

      D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\2021 Jun 08 0841 Sequence
Lo

    Resuming sequence Tue Jun 08 10:19:49 2021


  Instrument Name: GCMS
    Sequence File: D:\MassHunter\GCMS\1\sequence\210608_WO_05008_29_30_35.sequence.
...                xml
          Comment: BURNS HARBOR
         Operator: MN GCMS21
        Data Path: D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\

    Line  Type          Vials    DataFile                       Sample Name
    ----------------------------------------------------------------------

    Acquisition Method Path: D:\MassHunter\GCMS\1\methods\acquisition\
    Acquisition Method File: PAHSIMPulsedSpliless_MS21_21526.M
      5) Sample           5      GCMS21_210608_05       2105001-02
      6) Sample           6      GCMS21_210608_06       2105001-03
         Comment: ~~2X 100µL in 100µL DL solvent 21D3002~~MN06/09/2021 undiluted
      7) Sample           7      GCMS21_210608_07       2105001-15RE
```

```
     Comment: 50X 50µL in 950µL DL solvent 21D3002
   8) Sample           8      GCMS21_210608_08       2105001-18RE
Sequence Table edit performed Tue Jun 08 11:58:51 2021
   9) Sample           9      GCMS21_210608_09       2105001-05
  10) Blank           10      GCMS21_210608_10       B21E031-BLK2
     Comment: LIMS 21D3002
  11) Blank           11      GCMS21_210608_11       B21E031-BLK3
     Comment: ASE #3 Acetone LIMS 21C1102
  12) Sample          12      GCMS21_210608_12       2105029-01
  13) Sample          13      GCMS21_210608_13       2105029-03RE1
     Comment: 2X 100µL in 100µL DLsolvent LIMS21D3002
  14) Sample          14      GCMS21_210608_14       B21F022-BLK2
     Comment: ASE #3 Hexane LIMS 21E0612
  15) Sample          16      GCMS21_210608_15       2105035-01
  16) Sample          15      GCMS21_210608_16       B21F022-BLK3
     Comment: ASE #3 Acetone LIMS 21C1102
  17) Sample          17      GCMS21_210608_17       2105035-02
  18) Sample          17      GCMS21_210608_18       2105035-02_reinject
  19) Sample          18      GCMS21_210608_19       2105001-15
  20) Sample          19      GCMS21_210608_20       2105001-18
  21) Sample          20      GCMS21_210608_21       2105035-01RE1
     Comment: 5X_100µL+400µLDLsolv LIMS 21D3002
  22) Sample          21      GCMS21_210608_22       2105029-01RE1
     Comment: 10X_100µL+900µLDLsolv LIMS 21D3002
  23) Blank           22      GCMS21_210608_23       2105035-02RE1
     Comment: 10X_100µL+900µLDLsolv LIMS 21D3002
  24) Sample          23      GCMS21_210608_24       2105029-01RE2
     Comment: 20X_50µL+900µLDLsolv LIMS 21D3002
  25) Blank            4      GCMS21_210608_25       CAL0
     Comment: LIMS 21D3002
  26) CC              24      GCMS21_210608_26       CCV1_250
     Comment: LIMS 21F0101
  27) CC              25      GCMS21_210608_27       CCV1_250
     Comment: LIMS 21F0101

Sequence completed Tue Jun 08 19:52:41 2021

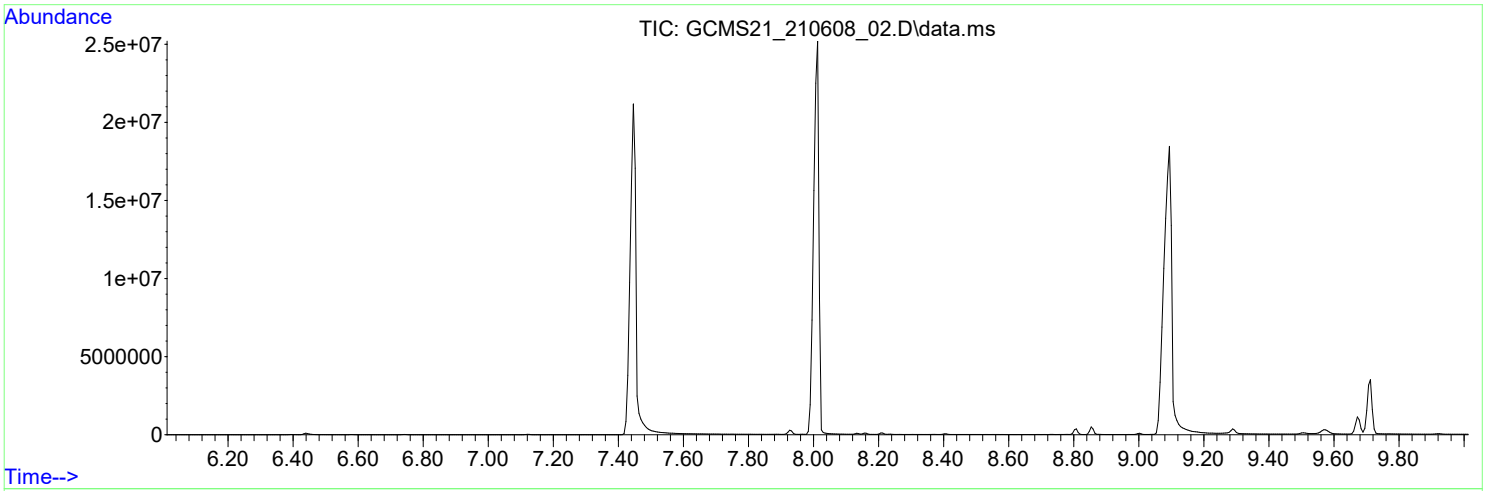
  D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\2021 Jun 08 1019 Sequence
Lo
```

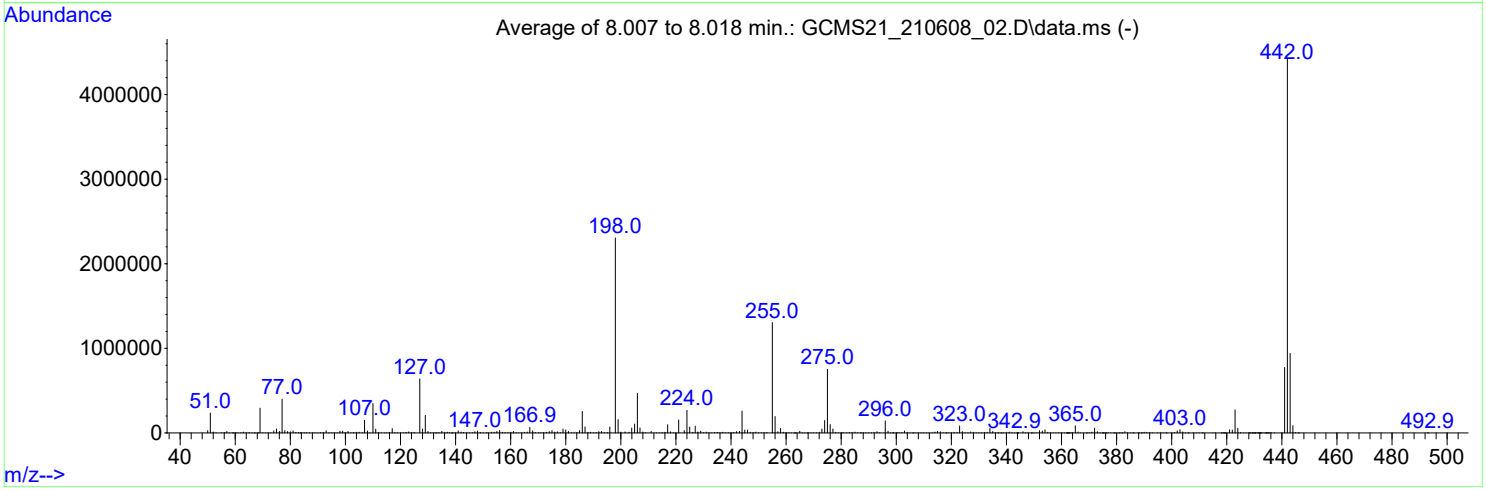
DFTPP

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_02.D
Acq On : 08 Jun 2021 09:08
Operator : MN GCMS21
Sample : ICP 50
Misc : LIMS 21E1232
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526_RT1.M
Title : BURNSHABOR
Last Update : Wed Jun 02 12:41:04 2021





AutoFind: Scans 685, 686, 687; Background Corrected with Scan 677

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.1	167	PASS
69	69	0.01	200	100.0	292952	PASS
70	69	0.00	2	0.5	1390	PASS
197	198	0.00	2	0.0	0	PASS
198	198	0.01	200	100.0	2305408	PASS
199	198	5	9	6.9	158203	PASS
365	442	1	200	1.9	84560	PASS
441	443	0.01	150	82.2	773589	PASS
442	442	0.01	200	100.0	4431872	PASS
443	442	15	24	21.2	940587	PASS

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_04.D
Acq On : 08 Jun 2021 09:58
Operator : MN GCMS21
Sample : CAL0
Misc : LIMS 21D3002
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 10:47:19 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

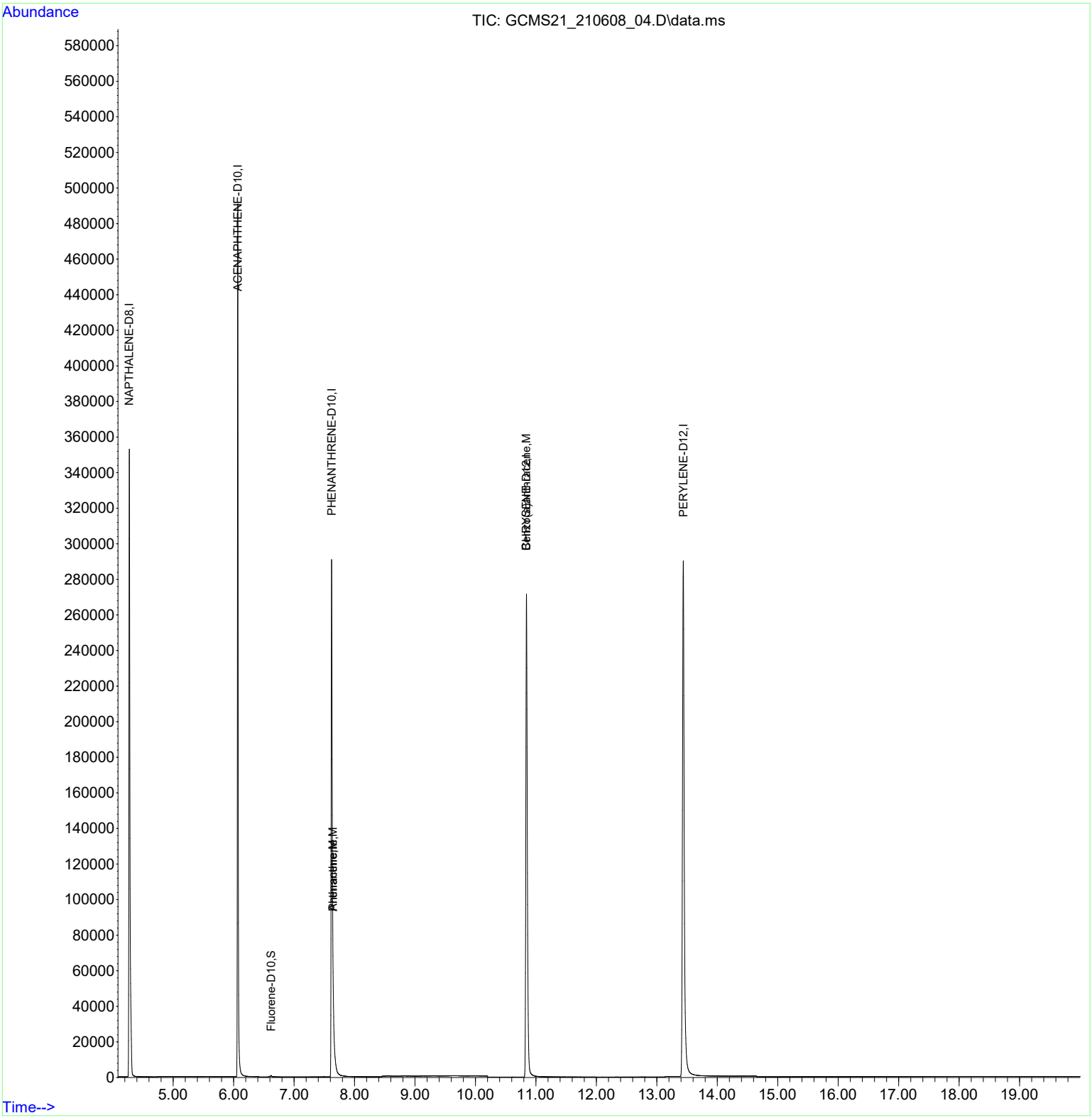
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.275	136	378654	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.069	164	205731	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.620	188	400491	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.843	240	362155	500.00	ng/mL	0.00
21) PERYLENE-D12	13.438	264	402509	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0	0.00	ng/mL	
9) Fluorene-D10	6.621	176	710	1.44	ng/mL	0.01
14) Fluoranthene-D10	0.000	212	0	0.00	ng/mL	
17) Pyrene-D10	0.000	212	0	0.00	ng/mL	
26) Benzo(a)pyrene-D12	0.000	264	0d	0.00	ng/mL	
Target Compounds						Qvalue
2) Naphthalene	0.000		0	N.D.		
4) 2-Methylnaphthalene	0.000		0	N.D.		
5) 1-Methylnaphthalene	0.000		0	N.D.		
7) Acenaphthylene	0.000		0	N.D.		
8) Acenaphthene	0.000		0	N.D.		
10) Fluorene	0.000		0	N.D.		
12) Phenanthrene	7.642	178	122	0.13	ng/mL#	61
13) Anthracene	7.642	178	122	0.15	ng/mL#	62
15) Fluoranthene	0.000		0	N.D.		
18) Pyrene	0.000		0	N.D.		
19) Benzo(a)anthracene	10.843	228	1415	1.94	ng/mL	63
20) Chrysene	0.000		0	N.D. d		
22) Benzo(b)fluoranthene	0.000		0	N.D.		
23) Benzo(k)fluoranthene	0.000		0	N.D.		
24) benzo(b+k)fluoranthene...	0.000		0	N.D.		
25) Benzo(e)pyrene	0.000		0	N.D. d		
27) Benzo(a)pyrene	0.000		0	N.D. d		
28) Perylene	0.000		0	N.D. d		
29) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
30) Dibenz(a,h)anthracene	0.000		0	N.D.		
31) Benzo(g,h,i)perylene	0.000		0	N.D.		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_04.D
Acq On : 08 Jun 2021 09:58
Operator : MN GCMS21
Sample : CAL0
Misc : LIMS 21D3002
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 01 10:47:19 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_03.D
Acq On : 08 Jun 2021 09:33
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 10:47:07 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

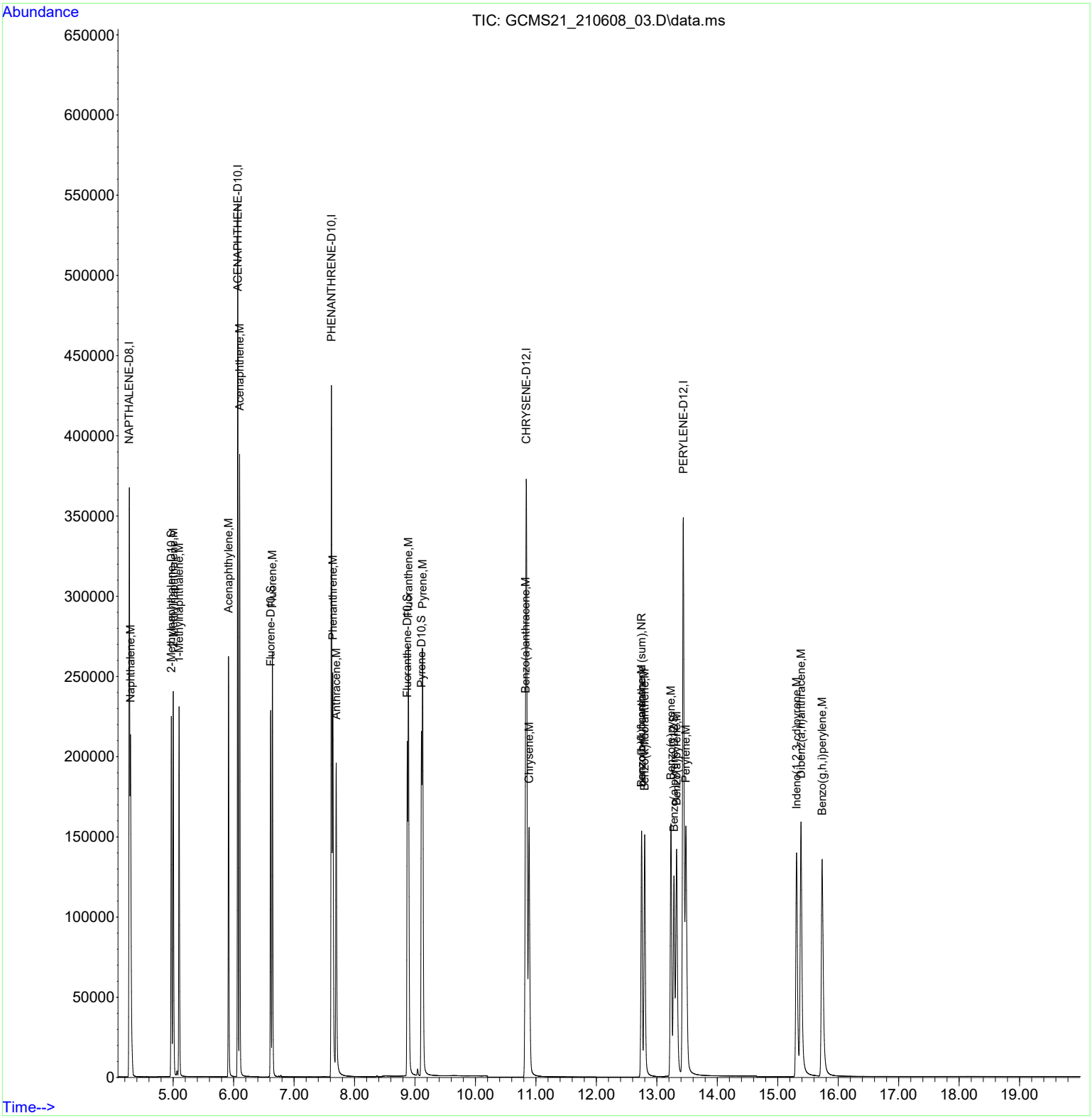
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.276	136	383426	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.069	164	212802	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.618	188	414994	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.844	240	392121	500.00	ng/mL	0.00
21) PERYLENE-D12	13.438	264	450116	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.970	152	95042	196.95	ng/mL	0.00
9) Fluorene-D10	6.613	176	99328	194.96	ng/mL	0.00
14) Fluoranthene-D10	8.873	212	175983	195.84	ng/mL	0.00
17) Pyrene-D10	9.106	212	186386	208.33	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.283	264	154571	211.36	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.296	128	148786	202.24	ng/mL	100
4) 2-Methylnaphthalene	5.002	142	101114	186.62	ng/mL	99
5) 1-Methylnaphthalene	5.098	142	91689	203.17	ng/mL	99
7) Acenaphthylene	5.915	152	146785	207.83	ng/mL	99
8) Acenaphthene	6.099	153	104468	193.23	ng/mL	98
10) Fluorene	6.641	166	115487	192.99	ng/mL	100
12) Phenanthrene	7.643	178	178133	177.85	ng/mL	100
13) Anthracene	7.697	178	169765	203.84	ng/mL	100
15) Fluoranthene	8.893	202	195884	185.31	ng/mL	99
18) Pyrene	9.127	202	206330	197.43	ng/mL	99
19) Benzo(a)anthracene	10.827	228	165959	210.42	ng/mL	99
20) Chrysene	10.887	228	186111	191.13	ng/mL	99
22) Benzo(b)fluoranthene	12.748	252	181518	194.28	ng/mL	100
23) Benzo(k)fluoranthene	12.799	252	195806	189.10	ng/mL	99
24) benzo(b+k)fluoranthene...	12.748	252	381137m	375.42	ng/mL	
25) Benzo(e)pyrene	13.233	252	178450	189.36	ng/mL	100
27) Benzo(a)pyrene	13.327	252	178128	208.90	ng/mL	99
28) Perylene	13.482	252	193496	202.06	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.312	276	182998	250.79	ng/mL	99
30) Dibenz(a,h)anthracene	15.385	278	198179	272.51	ng/mL	96
31) Benzo(g,h,i)perylene	15.734	276	211687	223.29	ng/mL	99

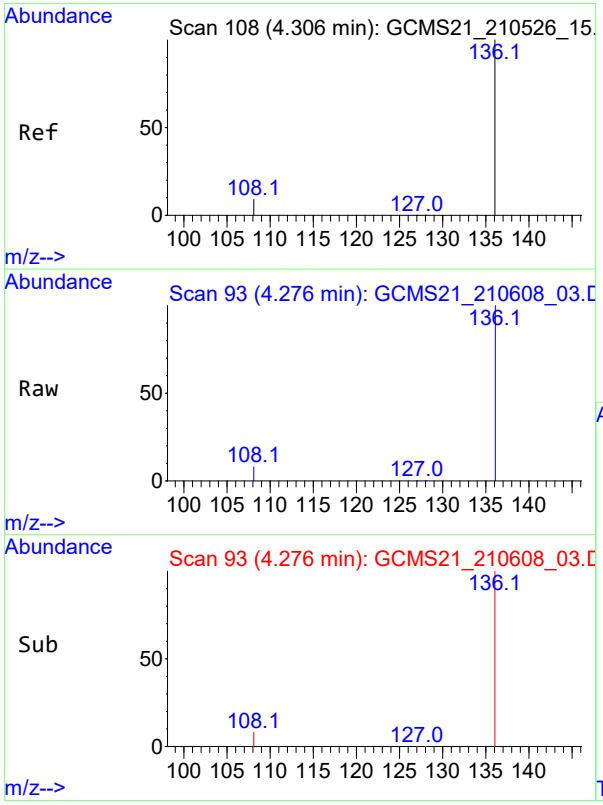
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_03.D
Acq On : 08 Jun 2021 09:33
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 10:47:07 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

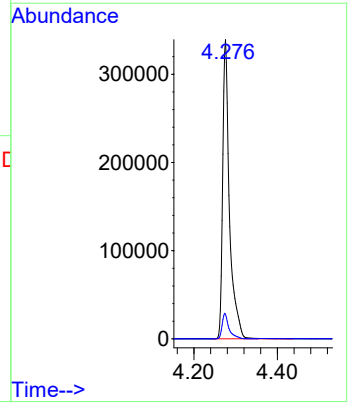


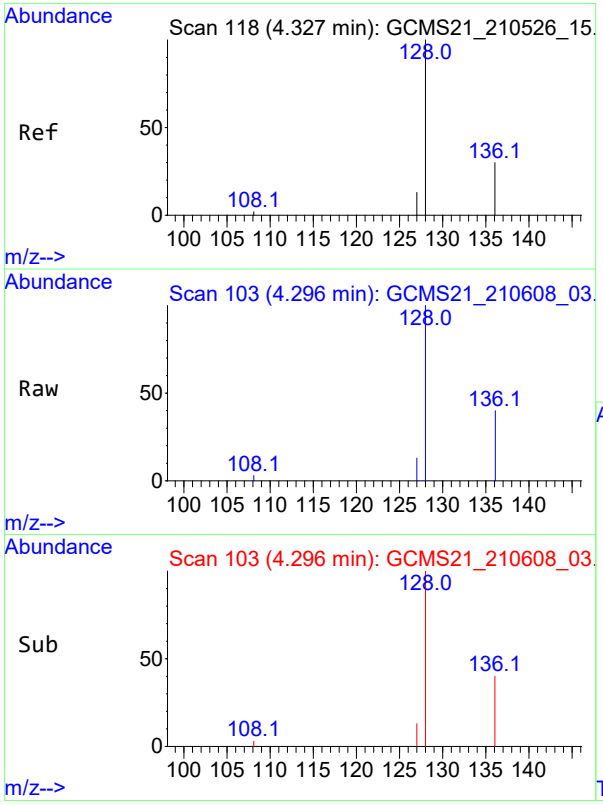


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.276 min Scan# 93
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:136 Resp: 383426

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.3

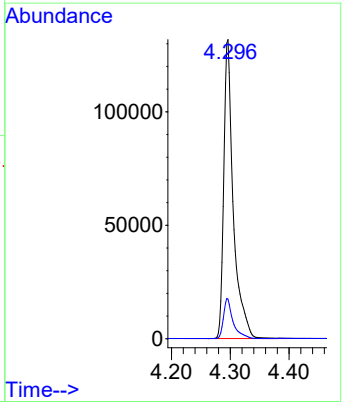


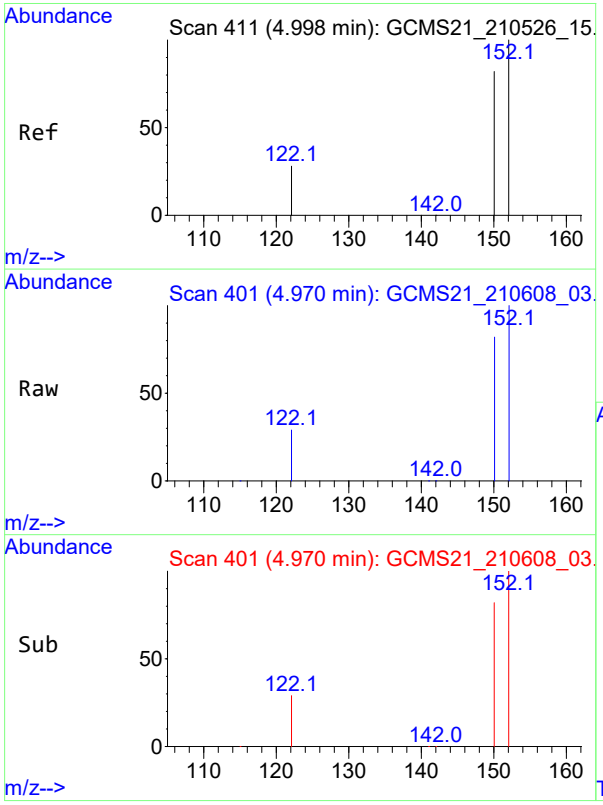


#2
Naphthalene
Concen: 202.24 ng/mL
RT: 4.296 min Scan# 103
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:128 Resp: 148786

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.3

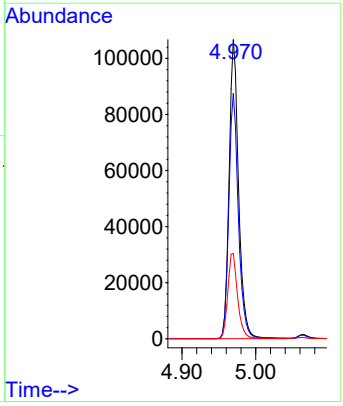


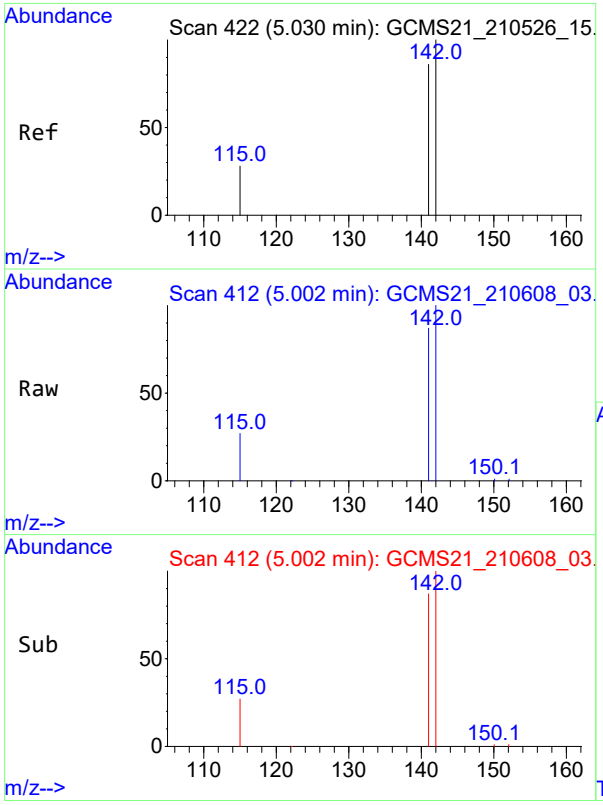


#3
2-Methylnaphthalene-D10
Concen: 196.95 ng/mL
RT: 4.970 min Scan# 401
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:152 Resp: 95042

Ion	Ratio	Lower	Upper
152	100		
150	82.7	52.3	112.3
122	29.6	0.0	57.5

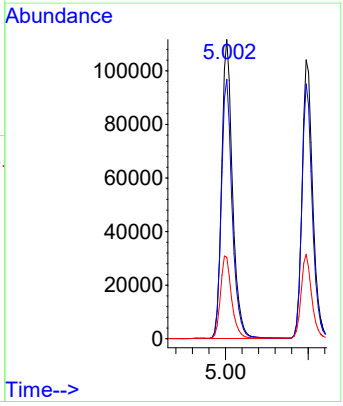


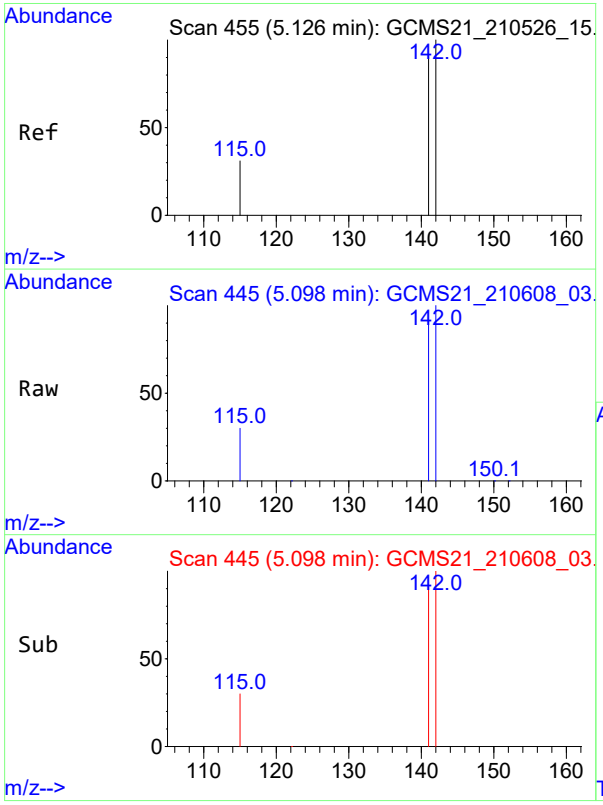


#4
2-Methylnaphthalene
Concen: 186.62 ng/mL
RT: 5.002 min Scan# 412
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:142 Resp: 101114

Ion	Ratio	Lower	Upper
142	100		
141	86.9	56.3	116.3
115	28.1	0.0	57.4

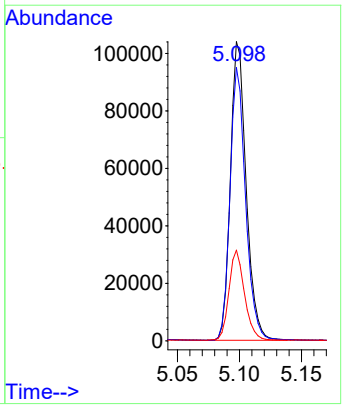


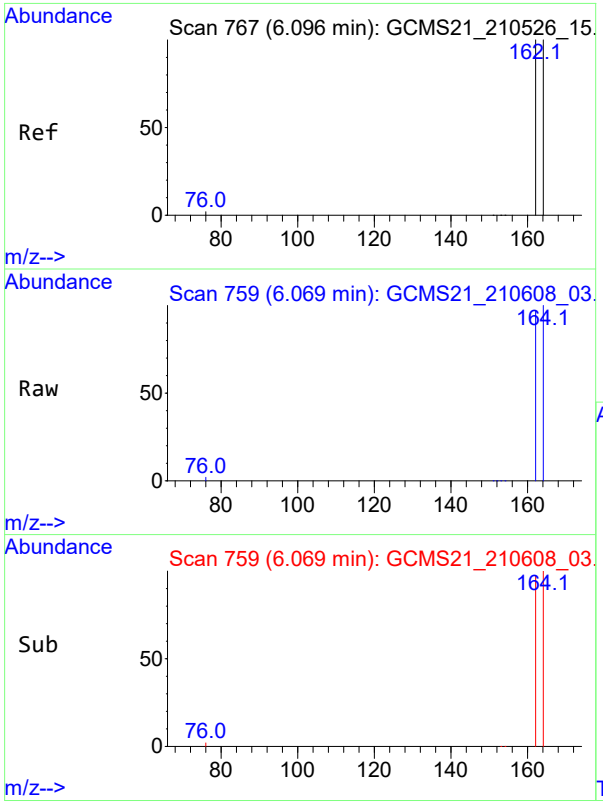


#5
1-Methylnaphthalene
Concen: 203.17 ng/mL
RT: 5.098 min Scan# 445
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:142 Resp: 91689

Ion	Ratio	Lower	Upper
142	100		
141	90.2	61.5	121.5
115	29.7	0.2	60.2

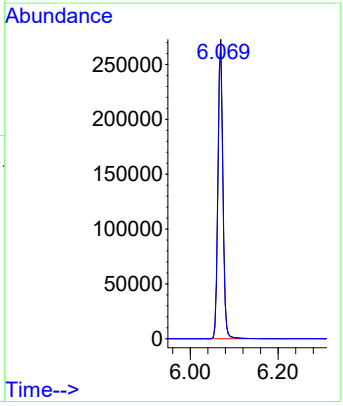


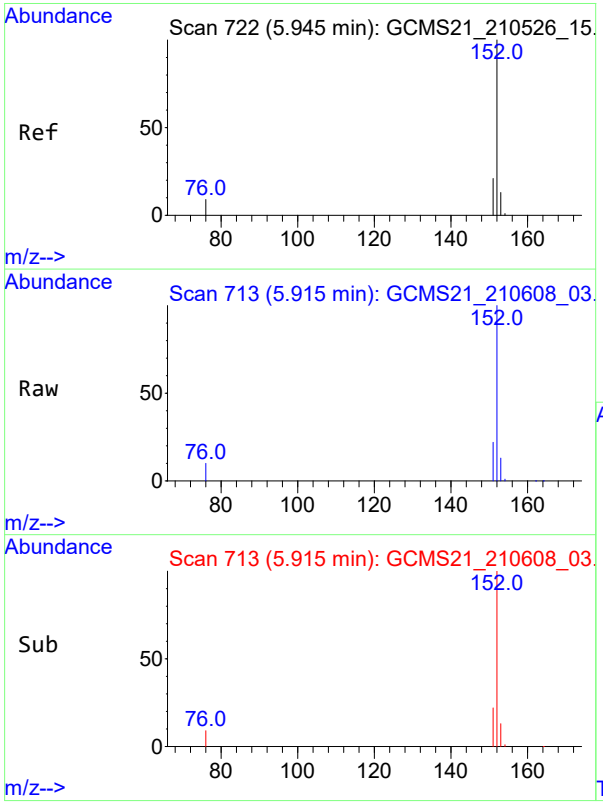


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.069 min Scan# 759
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:164 Resp: 212802

Ion	Ratio	Lower	Upper
164	100		
162	99.5	77.7	117.7

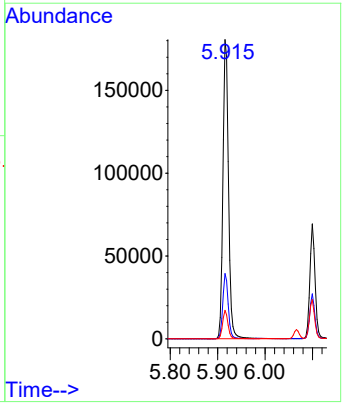


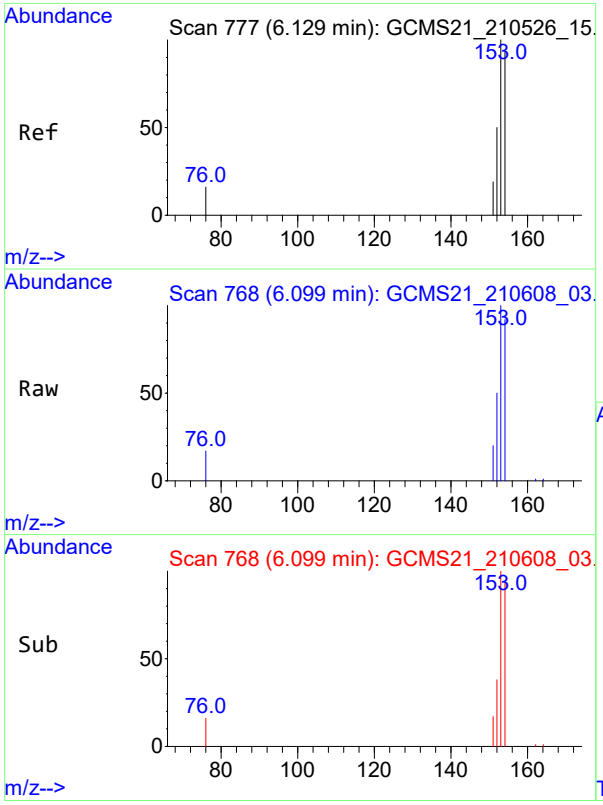


#7
Acenaphthylene
Concen: 207.83 ng/mL
RT: 5.915 min Scan# 713
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:152 Resp: 146785

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	52.0
76	9.2	0.0	39.5

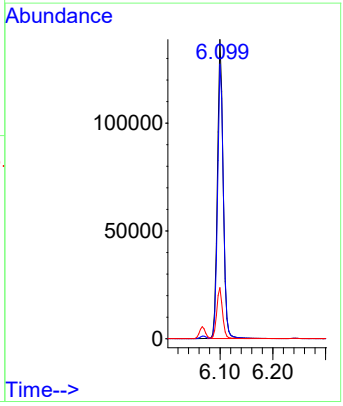


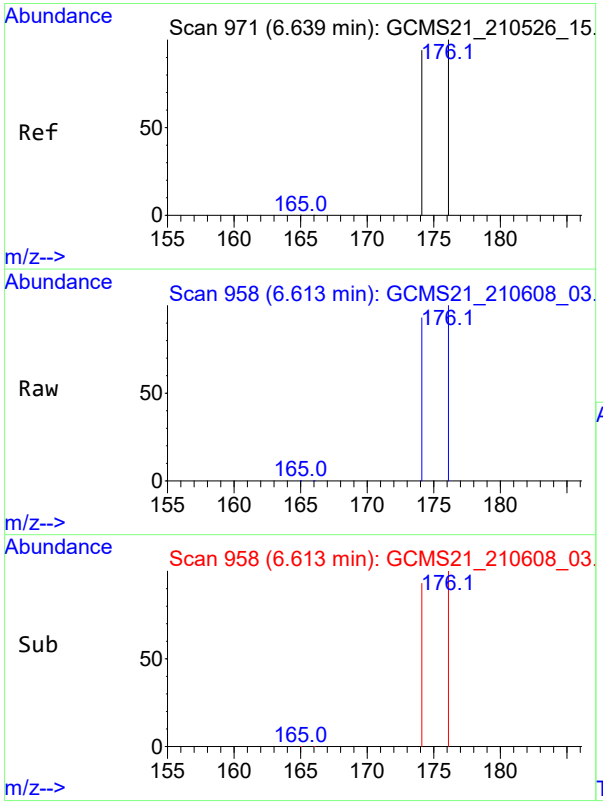


#8
Acenaphthene
Concen: 193.23 ng/mL
RT: 6.099 min Scan# 768
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:153 Resp: 104468

Ion	Ratio	Lower	Upper
153	100		
154	93.0	60.4	120.4
76	17.3	0.0	47.4

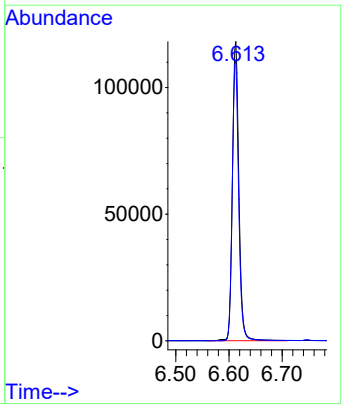


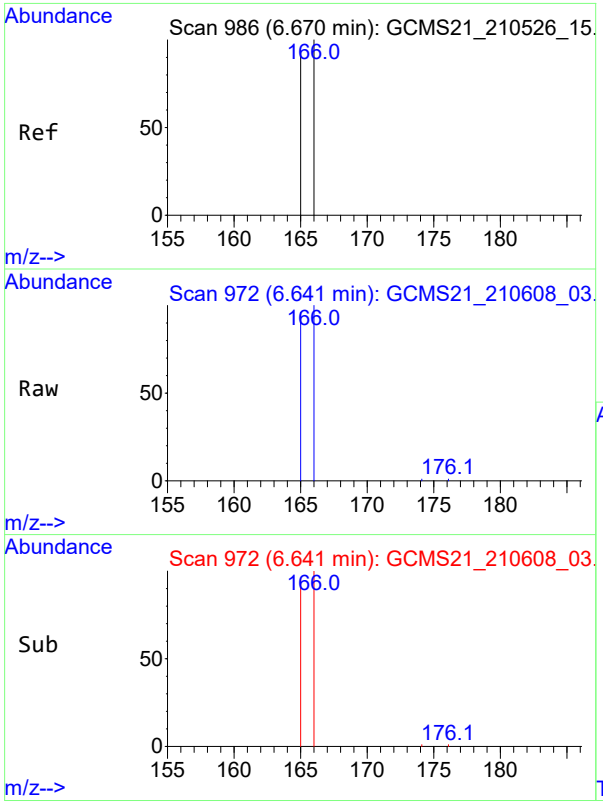


#9
Fluorene-D10
Concen: 194.96 ng/mL
RT: 6.613 min Scan# 958
Delta R.T. 0.002 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:176 Resp: 99328

Ion	Ratio	Lower	Upper
176	100		
174	93.5	63.9	123.9

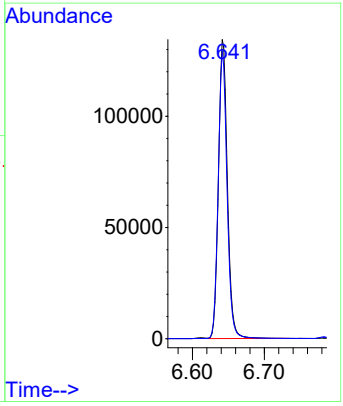


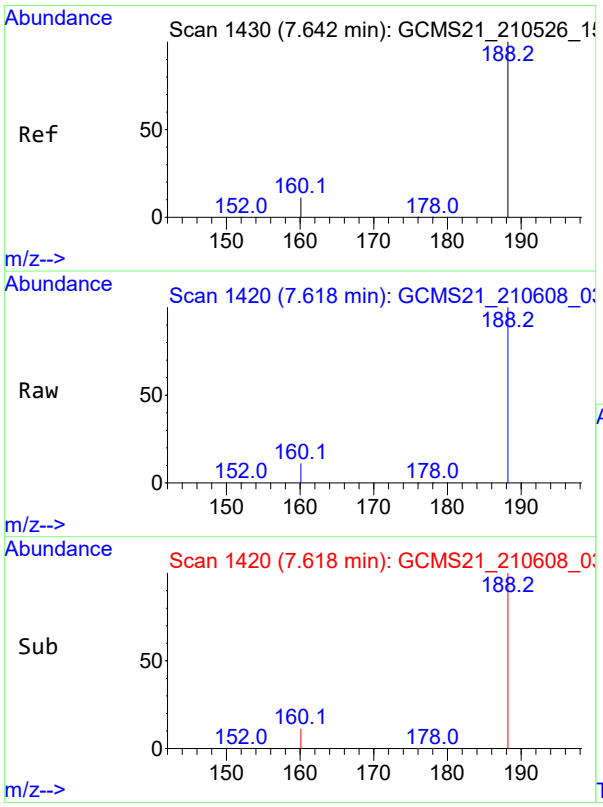


#10
Fluorene
Concen: 192.99 ng/mL
RT: 6.641 min Scan# 972
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:166 Resp: 115487

Ion	Ratio	Lower	Upper
166	100		
165	95.6	65.1	125.1

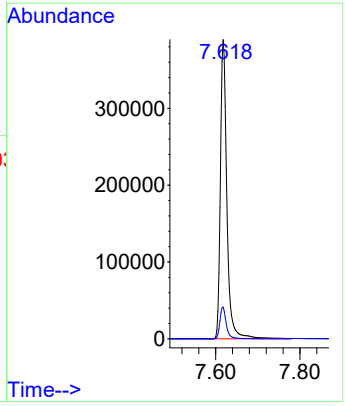


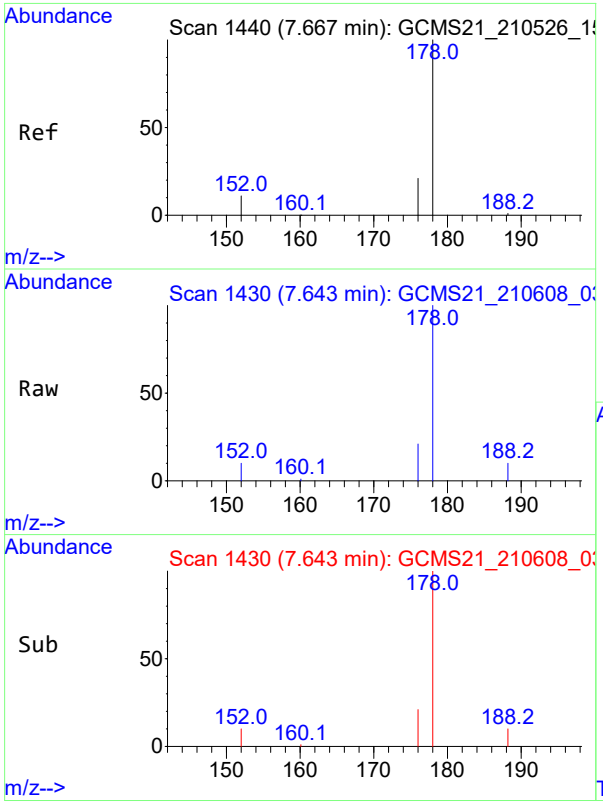


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.618 min Scan# 1420
Delta R.T. 0.003 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:188 Resp: 414994

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	39.8

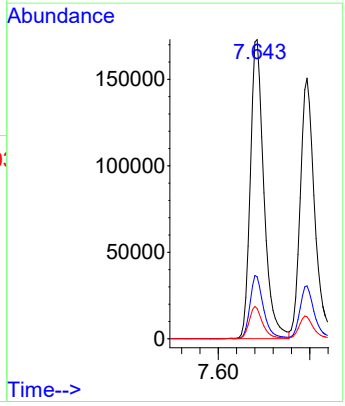


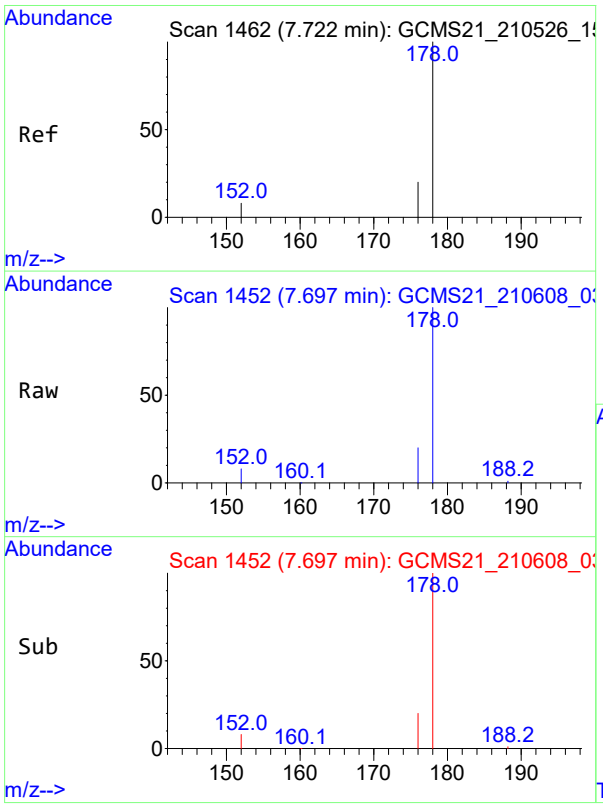


#12
Phenanthrene
Concen: 177.85 ng/mL
RT: 7.643 min Scan# 1430
Delta R.T. 0.005 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:178 Resp: 178133

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	10.6	0.0	40.6

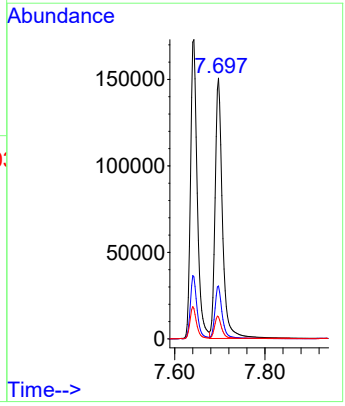


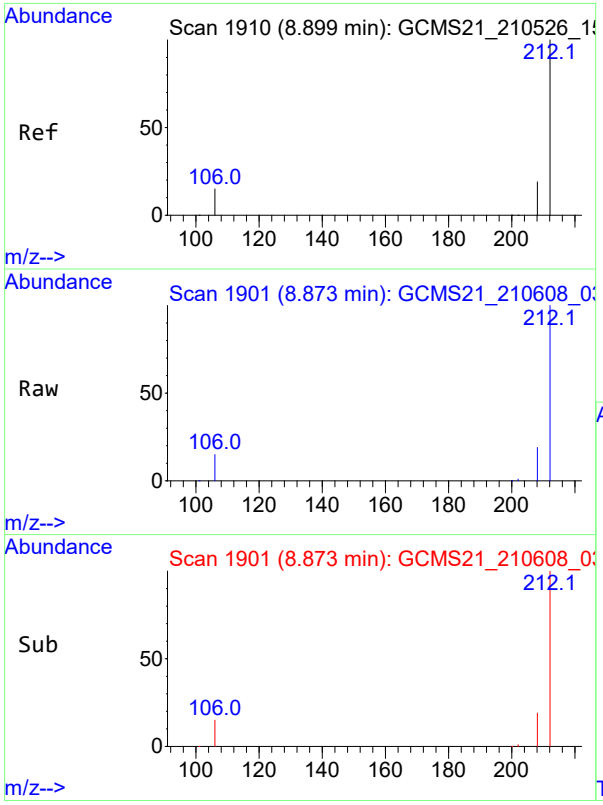


#13
Anthracene
Concen: 203.84 ng/mL
RT: 7.697 min Scan# 1452
Delta R.T. 0.005 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:178 Resp: 169765

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.4
152	8.4	0.0	38.3

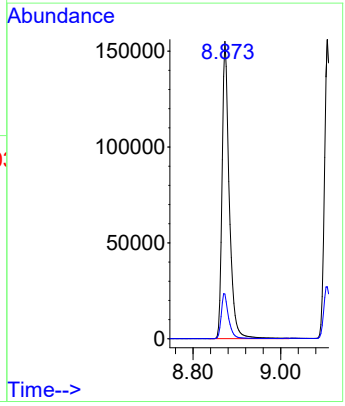


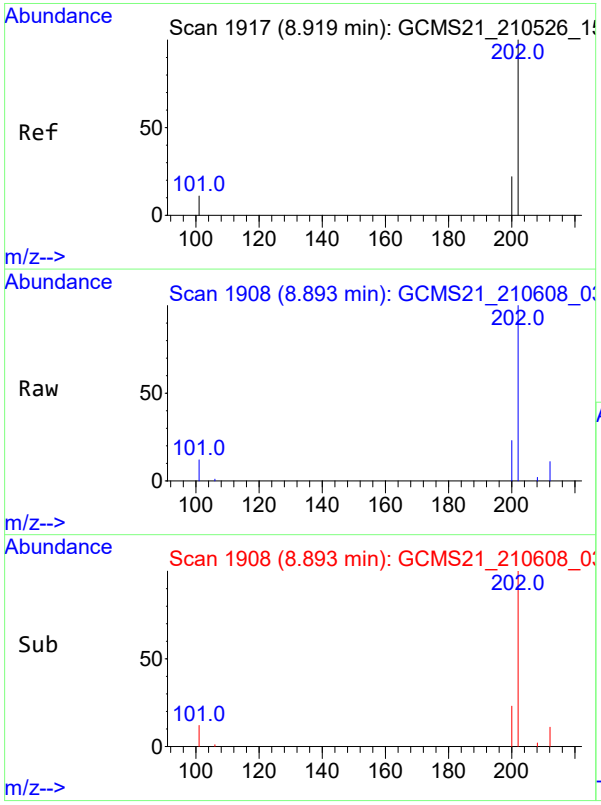


#14
Fluoranthene-D10
Concen: 195.84 ng/mL
RT: 8.873 min Scan# 1901
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:212 Resp: 175983

Ion	Ratio	Lower	Upper
212	100		
106	15.3	0.0	45.3

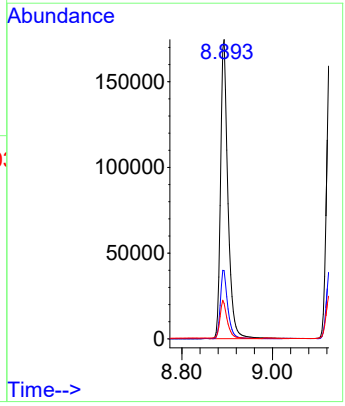


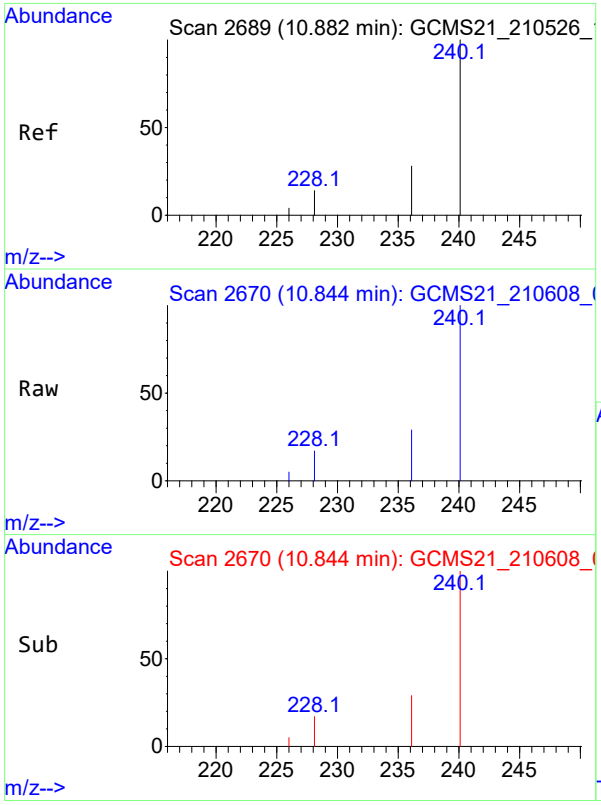


#15
Fluoranthene
Concen: 185.31 ng/mL
RT: 8.893 min Scan# 1908
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:202 Resp: 195884

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.5	0.0	41.8

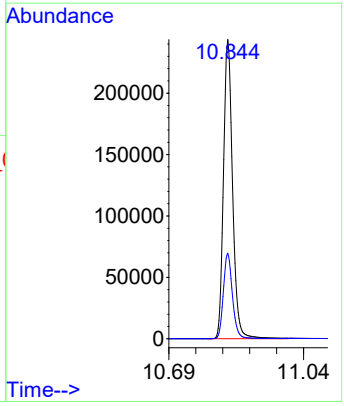


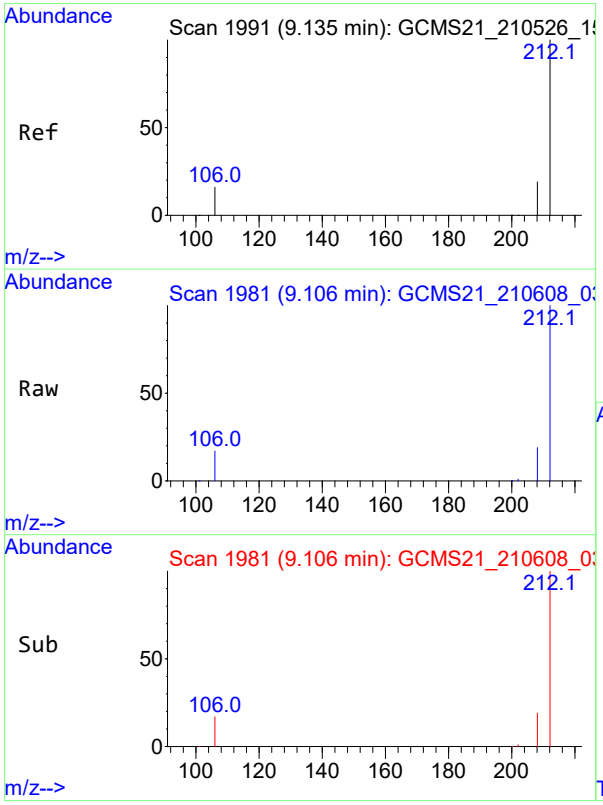


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.844 min Scan# 2670
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:240 Resp: 392121

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

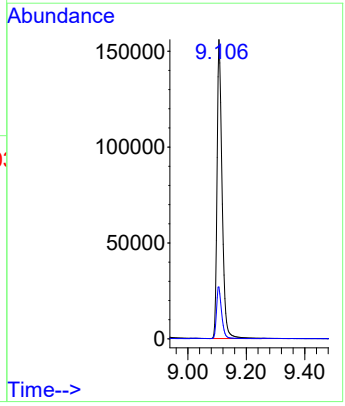


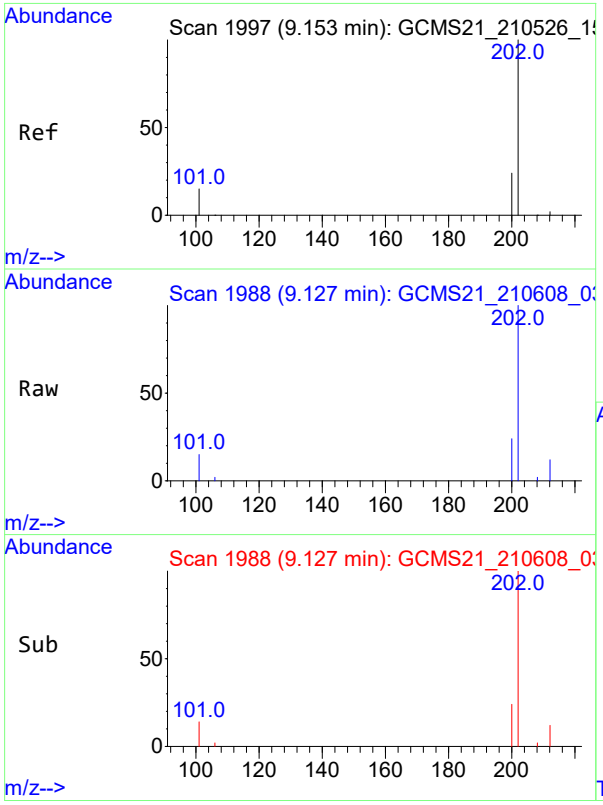


#17
Pyrene-D10
Concen: 208.33 ng/mL
RT: 9.106 min Scan# 1981
Delta R.T. 0.003 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:212 Resp: 186386

Ion	Ratio	Lower	Upper
212	100		
106	17.6	0.0	45.8

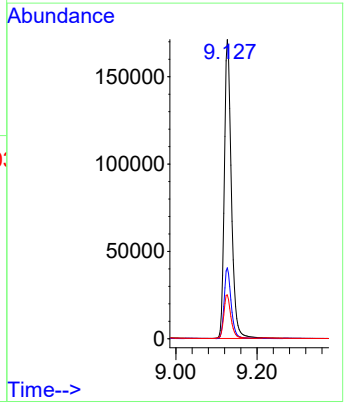


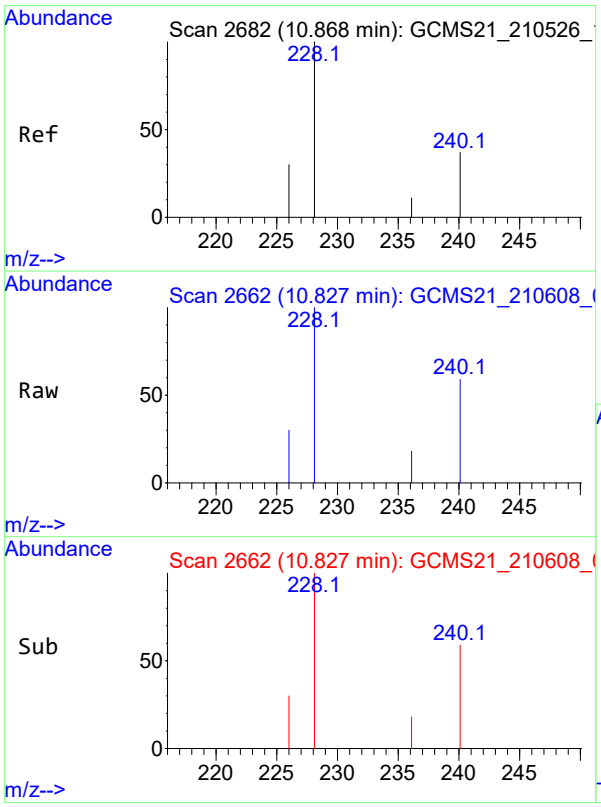


#18
Pyrene
Concen: 197.43 ng/mL
RT: 9.127 min Scan# 1988
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:202 Resp: 206330

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	54.2
101	14.8	0.0	44.6

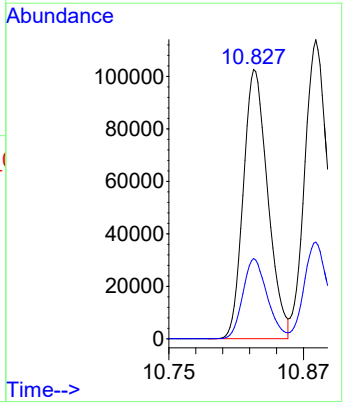


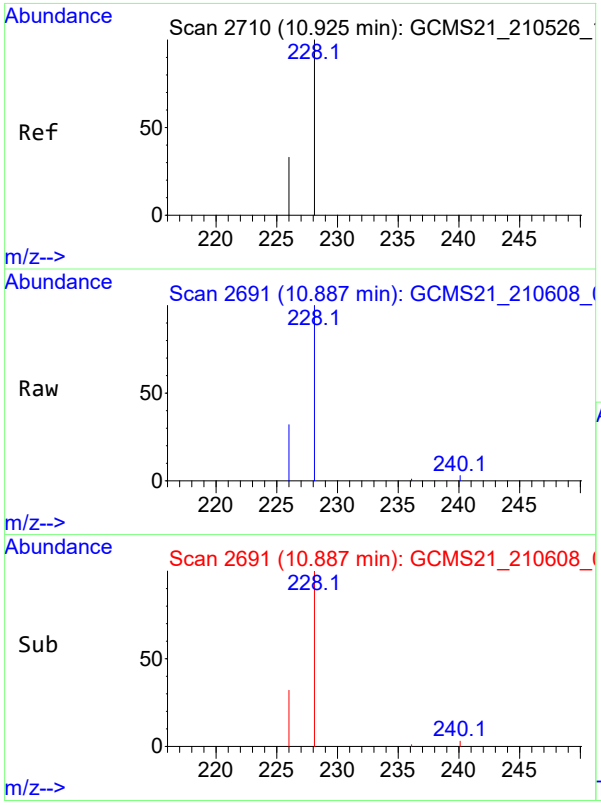


#19
Benzo(a)anthracene
Concen: 210.42 ng/mL
RT: 10.827 min Scan# 2662
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:228 Resp: 165959

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.9

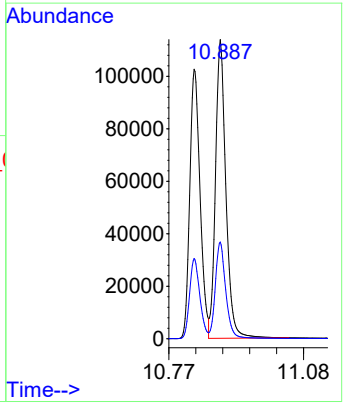


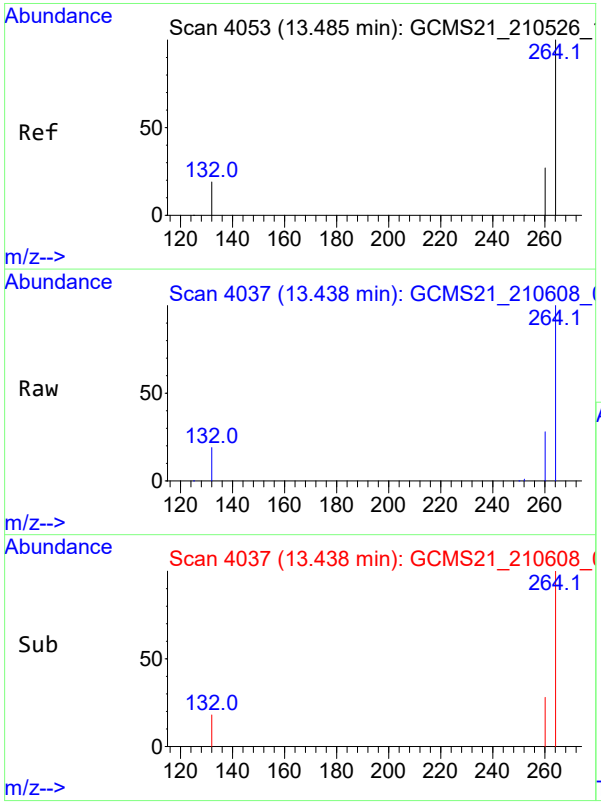


#20
Chrysene
Concen: 191.13 ng/mL
RT: 10.887 min Scan# 2691
Delta R.T. 0.008 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:228 Resp: 186111

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.8	62.8

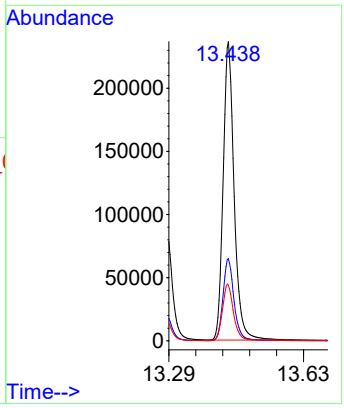


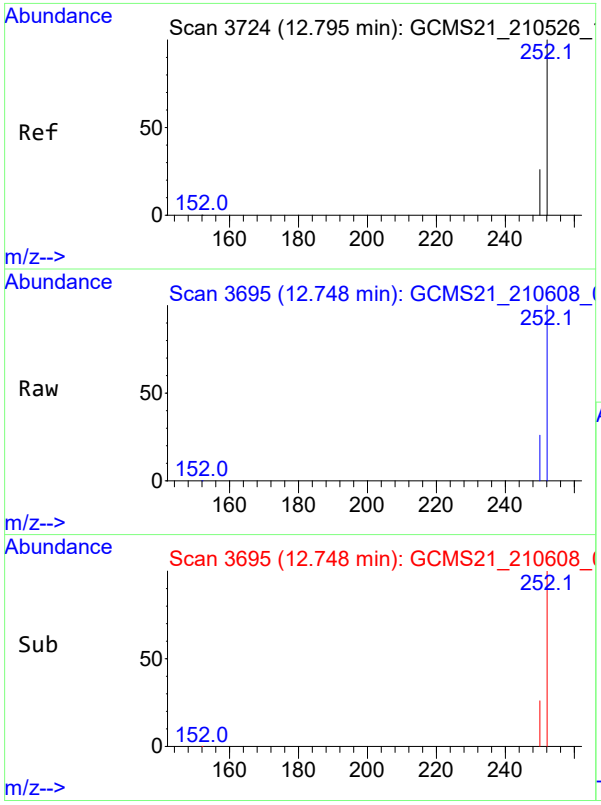


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.438 min Scan# 4037
Delta R.T. 0.009 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:264 Resp: 450116

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.5
132	19.1	0.0	49.5

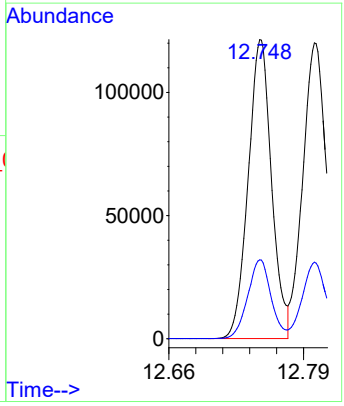


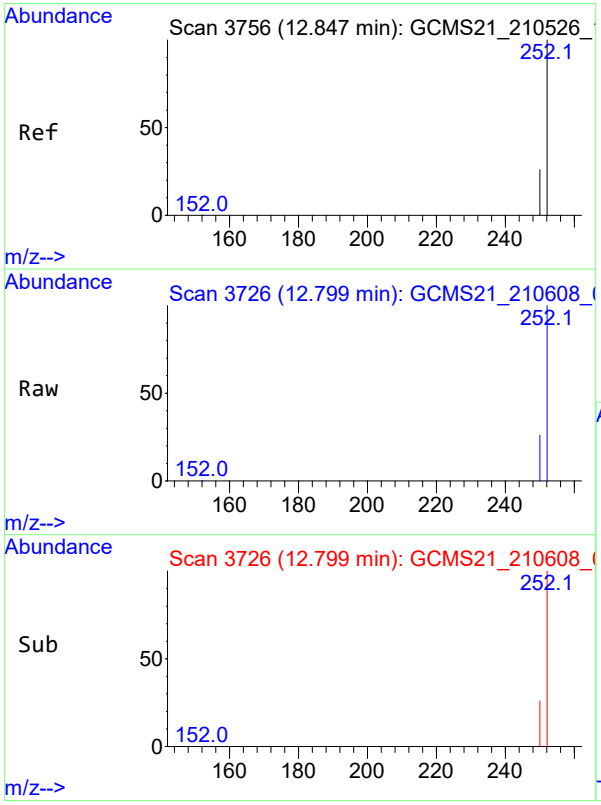


#22
Benzo(b)fluoranthene
Concen: 194.28 ng/mL
RT: 12.748 min Scan# 3695
Delta R.T. 0.007 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 181518

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	56.2

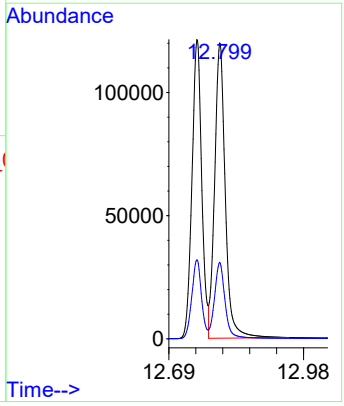


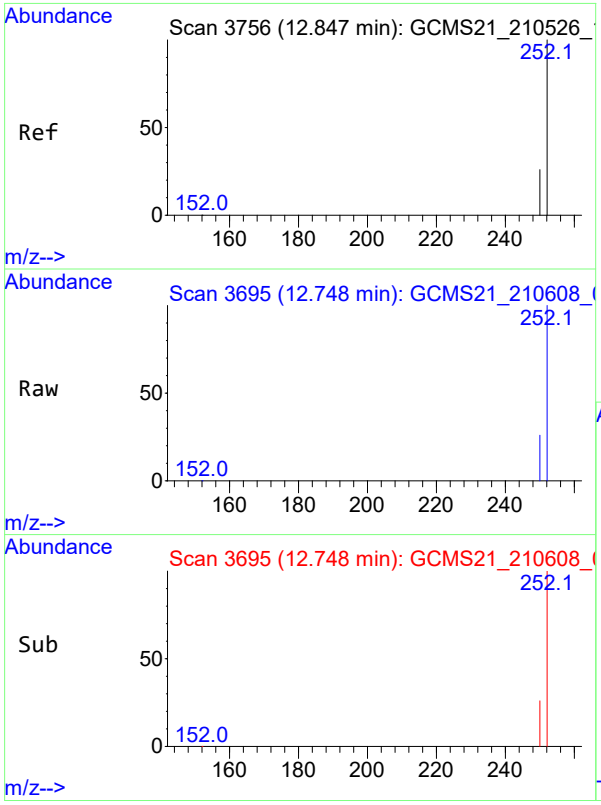


#23
Benzo(k)fluoranthene
Concen: 189.10 ng/mL
RT: 12.799 min Scan# 3726
Delta R.T. 0.003 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 195806

Ion	Ratio	Lower	Upper
252	100		
250	25.2	0.0	55.6

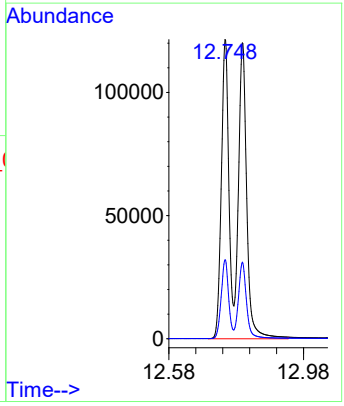


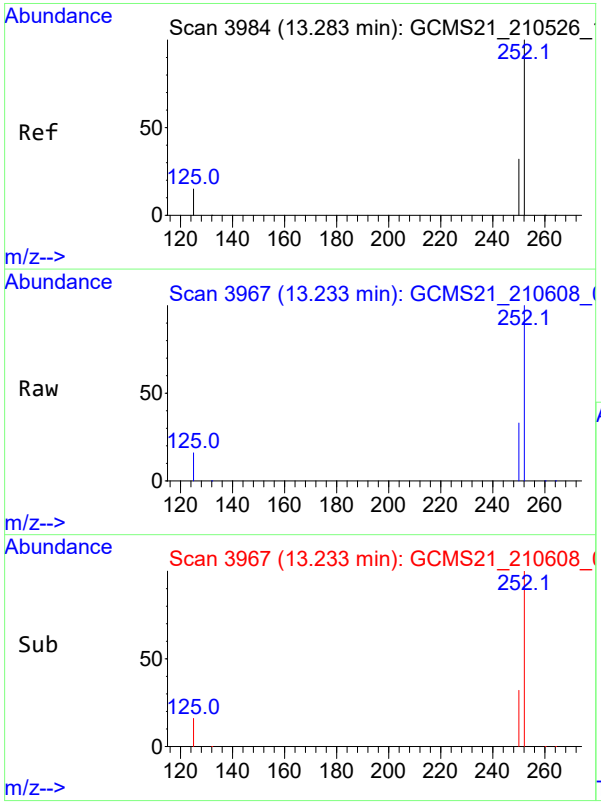


#24
benzo(b+k)fluoranthene (sum)
Concen: 375.42 ng/mL m
RT: 12.748 min Scan# 3695
Delta R.T. -0.047 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 381137

Ion	Ratio	Lower	Upper
252	100		
250	13.0	0.0	55.6

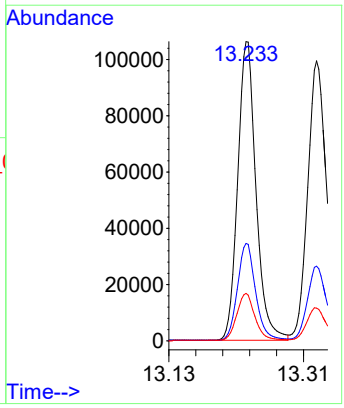


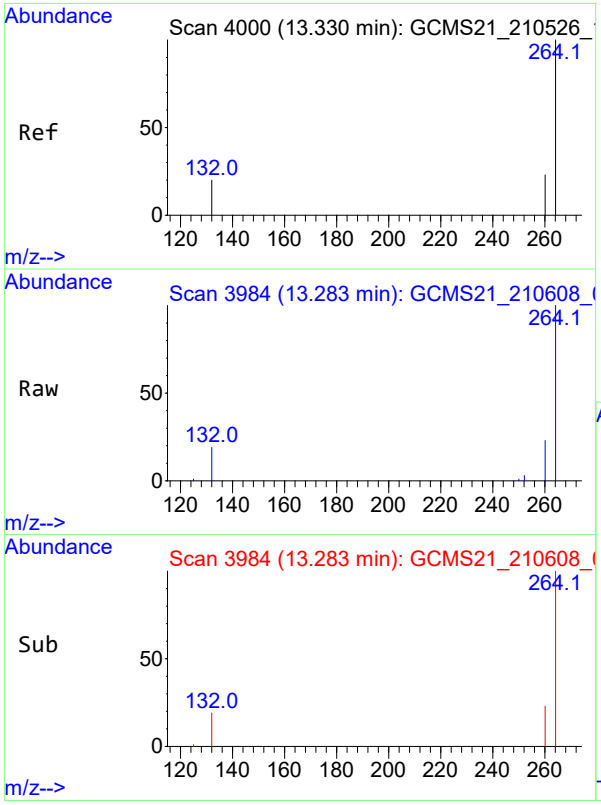


#25
Benzo(e)pyrene
Concen: 189.36 ng/mL
RT: 13.233 min Scan# 3967
Delta R.T. 0.003 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 178450

Ion	Ratio	Lower	Upper
252	100		
250	32.3	2.3	62.3
125	15.7	0.0	46.1

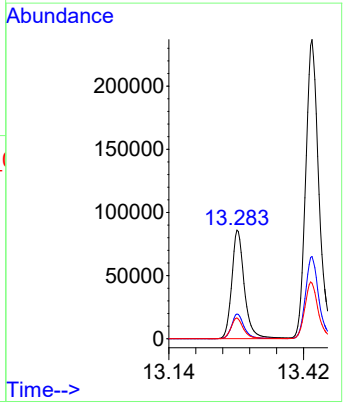


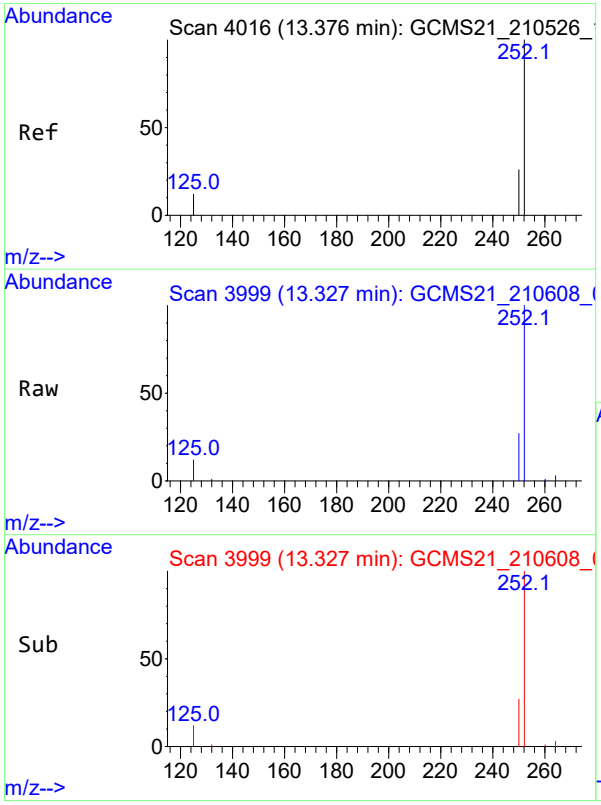


#26
Benzo(a)pyrene-D12
Concen: 211.36 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:264 Resp: 154571

Ion	Ratio	Lower	Upper
264	100		
260	22.9	0.0	53.0
132	19.0	0.0	49.8

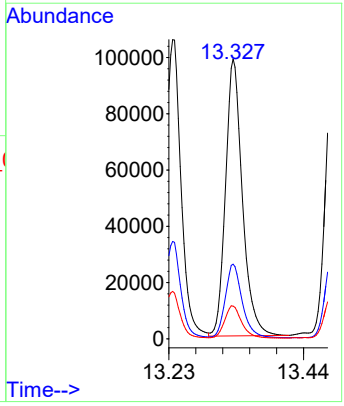


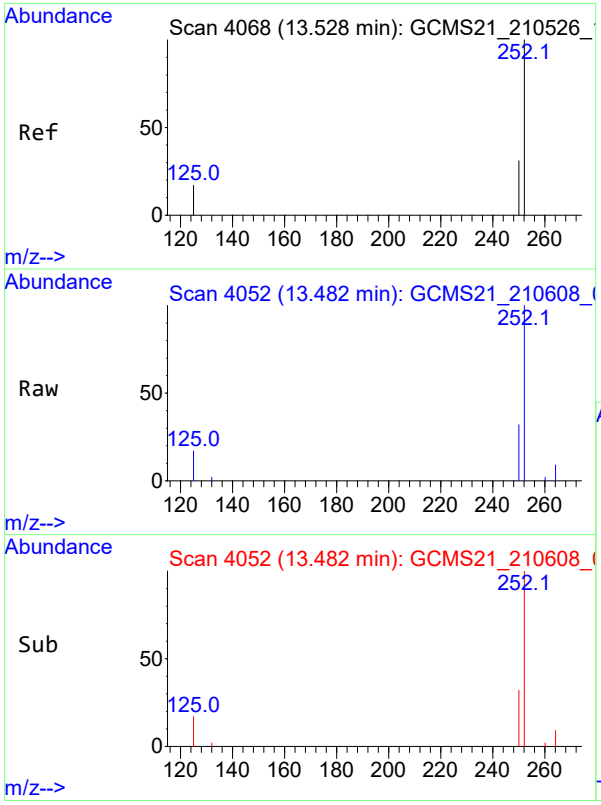


#27
Benzo(a)pyrene
Concen: 208.90 ng/mL
RT: 13.327 min Scan# 3999
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 178128

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.6
125	11.9	0.0	42.1

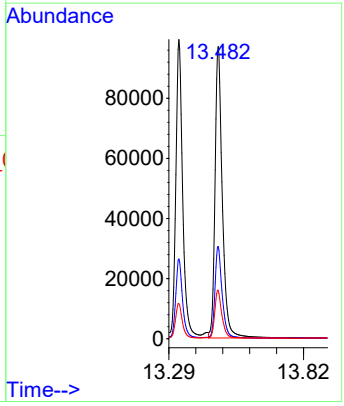


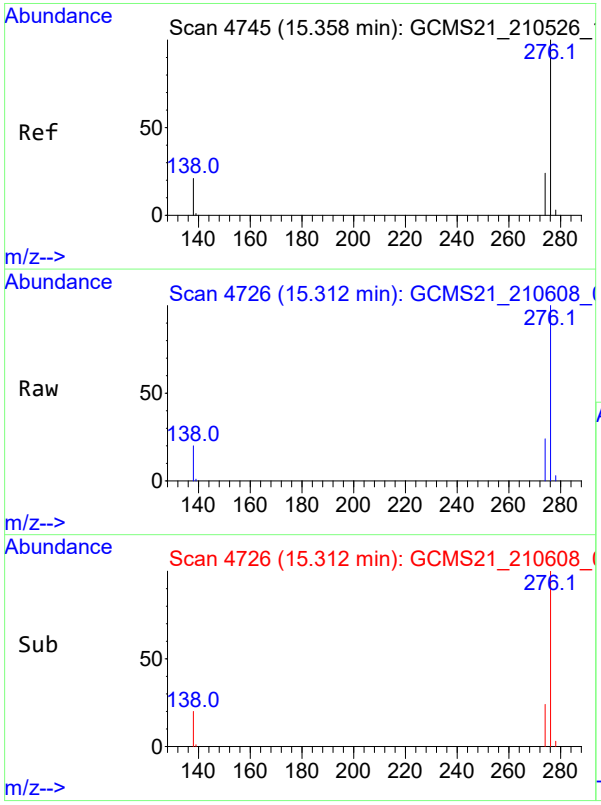


#28
Perylene
Concen: 202.06 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 193496

Ion	Ratio	Lower	Upper
252	100		
250	31.1	1.2	61.2
125	16.4	0.0	46.7

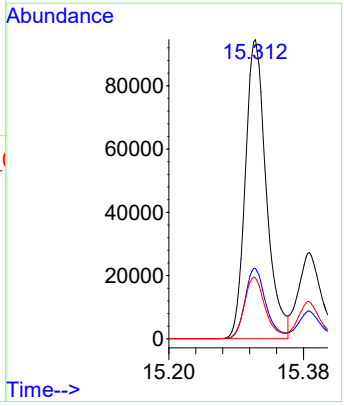


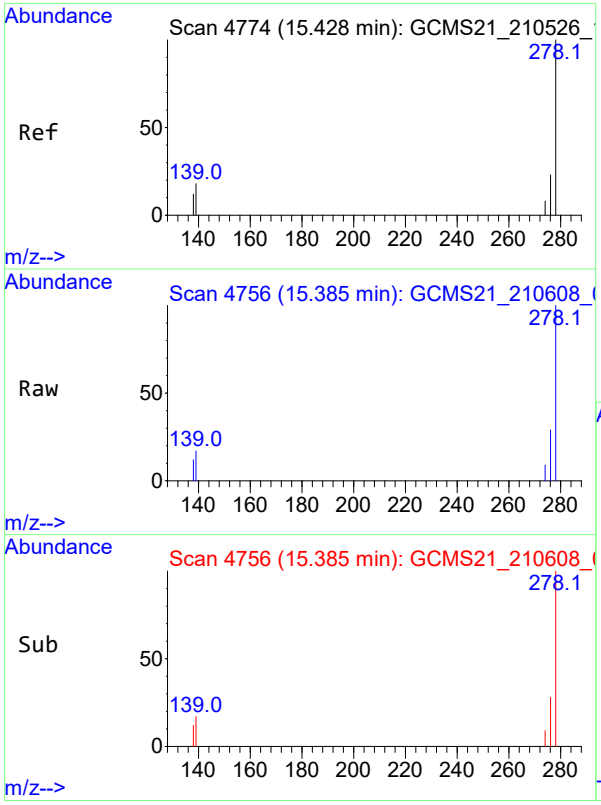


#29
Indeno(1,2,3-cd)pyrene
Concen: 250.79 ng/mL
RT: 15.312 min Scan# 4726
Delta R.T. 0.012 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:276 Resp: 182998

Ion	Ratio	Lower	Upper
276	100		
274	23.5	0.0	53.4
138	20.4	0.0	51.2

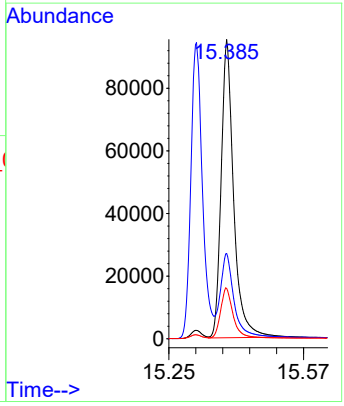


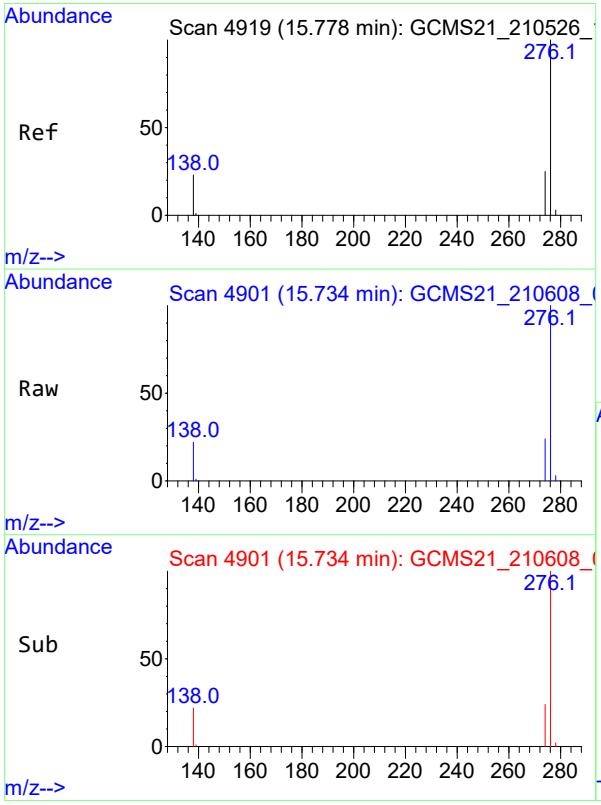


#30
Dibenz(a,h)anthracene
Concen: 272.51 ng/mL
RT: 15.385 min Scan# 4756
Delta R.T. 0.012 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:278 Resp: 198179

Ion	Ratio	Lower	Upper
278	100		
276	31.2	0.0	58.4
139	16.7	0.0	47.7

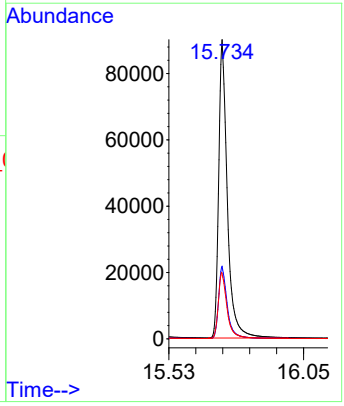




#31
Benzo(g,h,i)perylene
Concen: 223.29 ng/mL
RT: 15.734 min Scan# 4901
Delta R.T. 0.010 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:276 Resp: 211687

Ion	Ratio	Lower	Upper
276	100		
274	24.2	0.0	54.3
138	22.1	0.0	53.0



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_03.D
Acq On : 08 Jun 2021 09:33
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 10:47:07 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

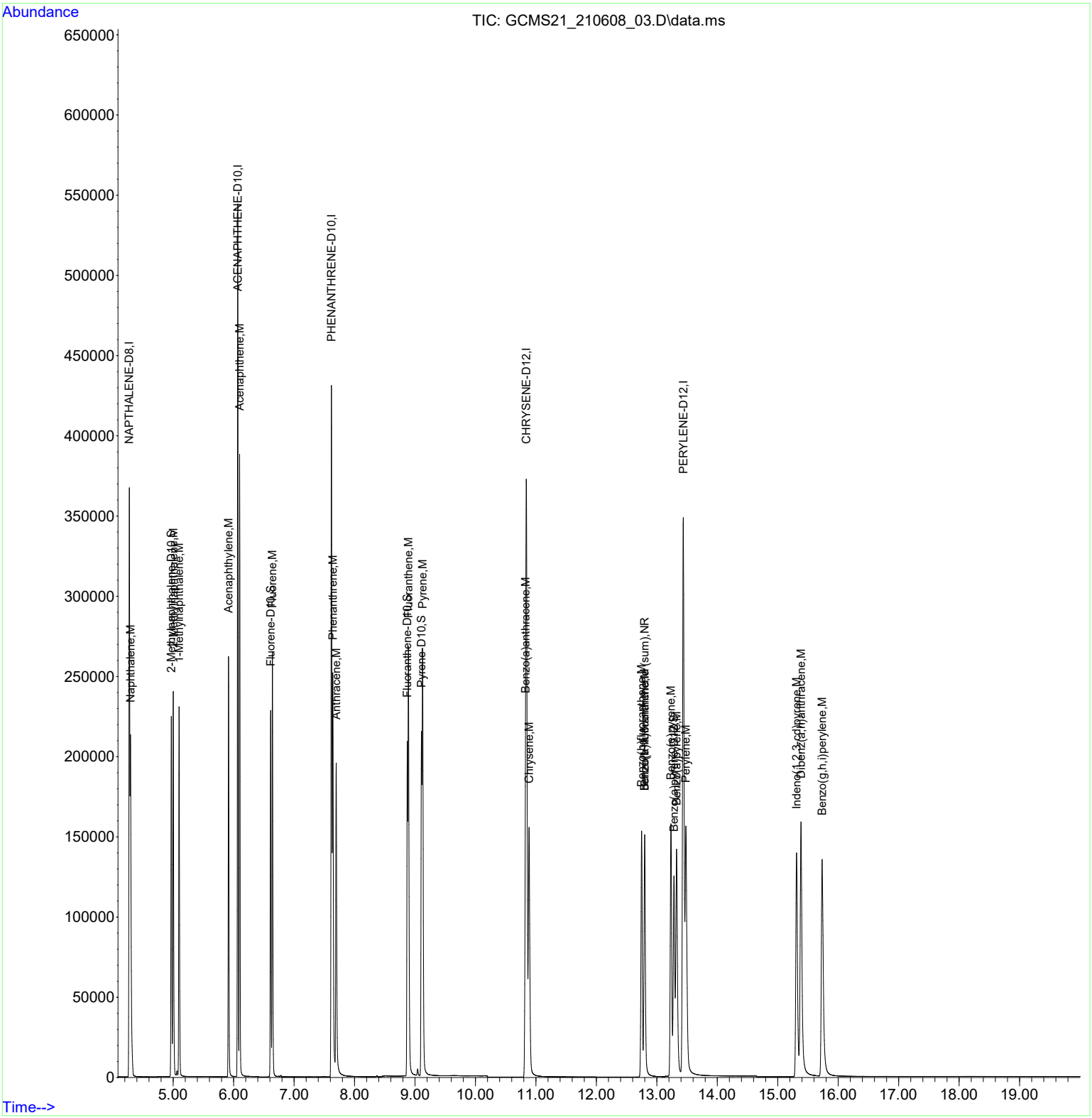
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.276	136	383426	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.069	164	212802	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.618	188	414994	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.844	240	392121	500.00	ng/mL	0.00
21) PERYLENE-D12	13.438	264	450116	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.970	152	95042	196.95	ng/mL	0.00
9) Fluorene-D10	6.613	176	99328	194.96	ng/mL	0.00
14) Fluoranthene-D10	8.873	212	175983	195.84	ng/mL	0.00
17) Pyrene-D10	9.106	212	186386	208.33	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.283	264	154571	211.36	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.296	128	148786	202.24	ng/mL	100
4) 2-Methylnaphthalene	5.002	142	101114	186.62	ng/mL	99
5) 1-Methylnaphthalene	5.098	142	91689	203.17	ng/mL	99
7) Acenaphthylene	5.915	152	146785	207.83	ng/mL	99
8) Acenaphthene	6.099	153	104468	193.23	ng/mL	98
10) Fluorene	6.641	166	115487	192.99	ng/mL	100
12) Phenanthrene	7.643	178	178133	177.85	ng/mL	100
13) Anthracene	7.697	178	169765	203.84	ng/mL	100
15) Fluoranthene	8.893	202	195884	185.31	ng/mL	99
18) Pyrene	9.127	202	206330	197.43	ng/mL	99
19) Benzo(a)anthracene	10.827	228	165959	210.42	ng/mL	99
20) Chrysene	10.887	228	186111	191.13	ng/mL	99
22) Benzo(b)fluoranthene	12.748	252	181518	194.28	ng/mL	100
23) Benzo(k)fluoranthene	12.799	252	195806	189.10	ng/mL	99
24) benzo(b+k)fluoranthene...	12.799	252	197003	194.05	ng/mL	99
25) Benzo(e)pyrene	13.233	252	178450	189.36	ng/mL	100
27) Benzo(a)pyrene	13.327	252	178128	208.90	ng/mL	99
28) Perylene	13.482	252	193496	202.06	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.312	276	182998	250.79	ng/mL	99
30) Dibenz(a,h)anthracene	15.385	278	198179	272.51	ng/mL	96
31) Benzo(g,h,i)perylene	15.734	276	211687	223.29	ng/mL	99

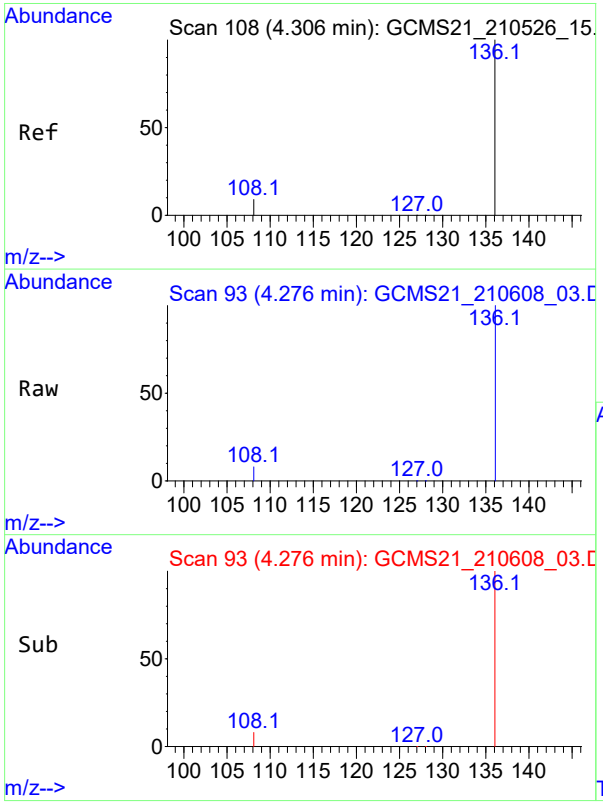
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_03.D
Acq On : 08 Jun 2021 09:33
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 10:47:07 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

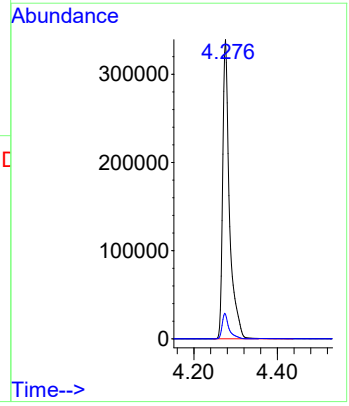


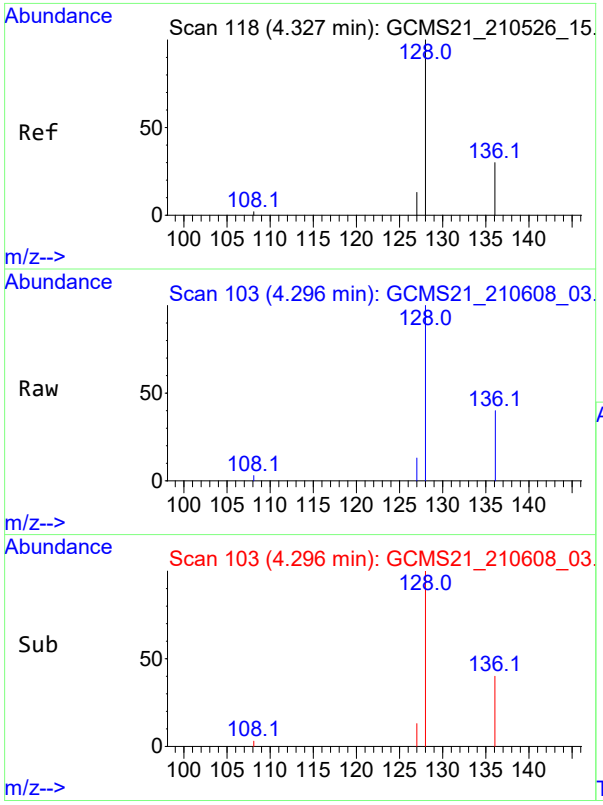


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.276 min Scan# 93
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:136 Resp: 383426

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.3

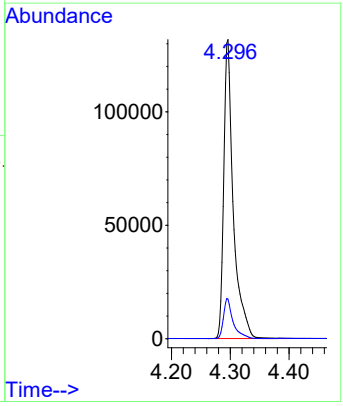


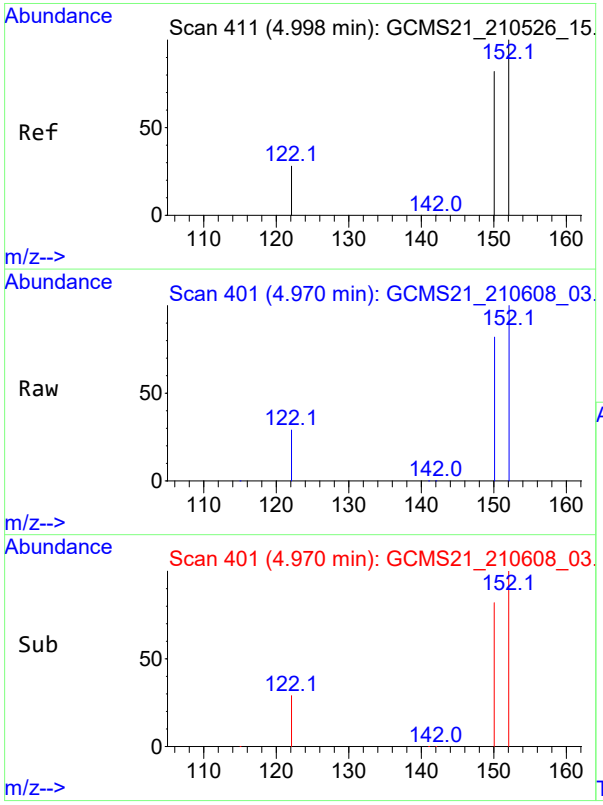


#2
Naphthalene
Concen: 202.24 ng/mL
RT: 4.296 min Scan# 103
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:128 Resp: 148786

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.3

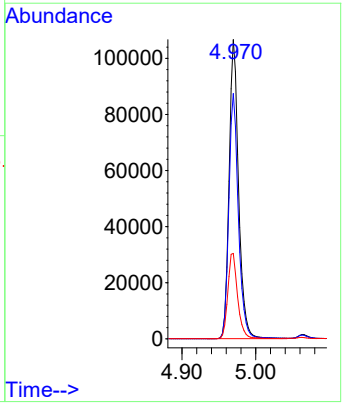


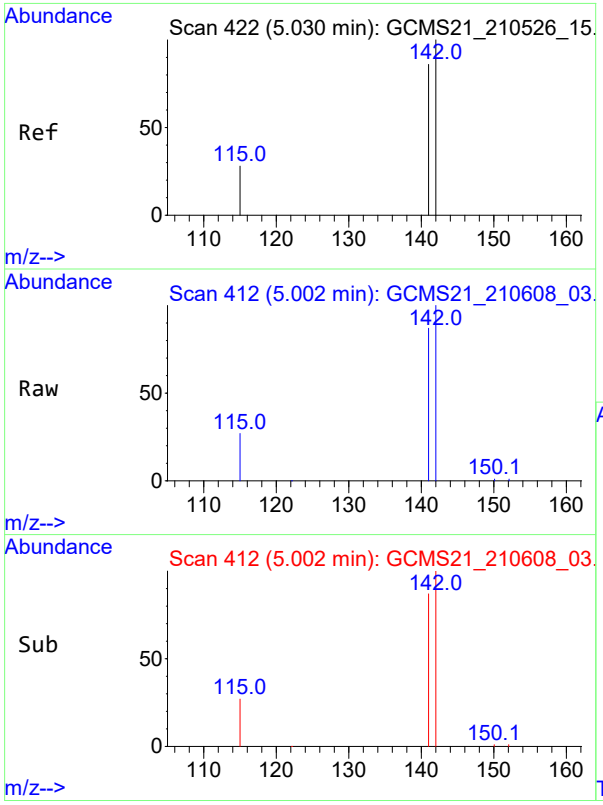


#3
2-Methylnaphthalene-D10
Concen: 196.95 ng/mL
RT: 4.970 min Scan# 401
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:152 Resp: 95042

Ion	Ratio	Lower	Upper
152	100		
150	82.7	52.3	112.3
122	29.6	0.0	57.5

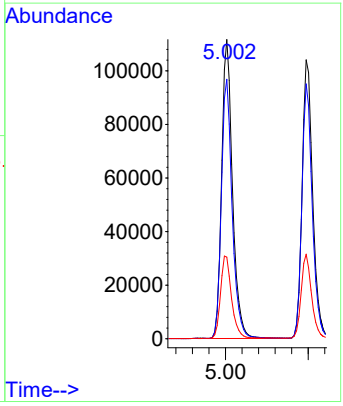


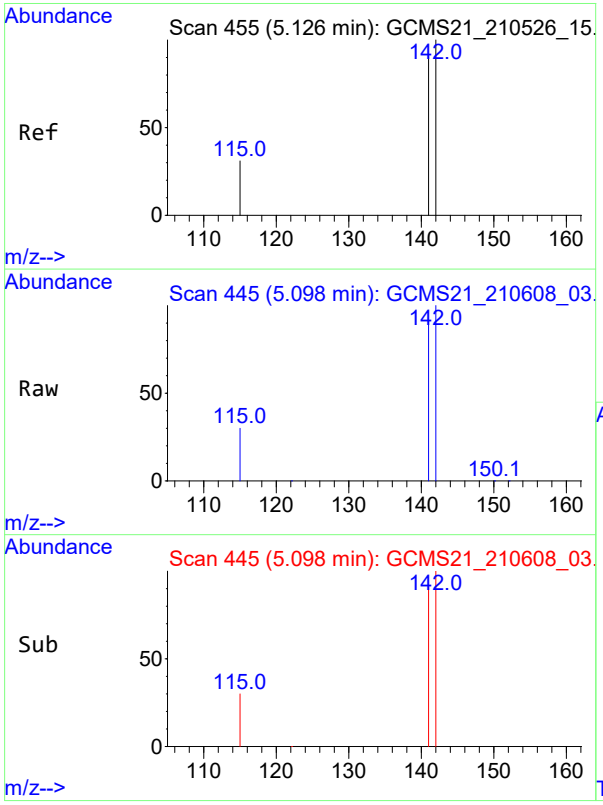


#4
2-Methylnaphthalene
Concen: 186.62 ng/mL
RT: 5.002 min Scan# 412
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:142 Resp: 101114

Ion	Ratio	Lower	Upper
142	100		
141	86.9	56.3	116.3
115	28.1	0.0	57.4

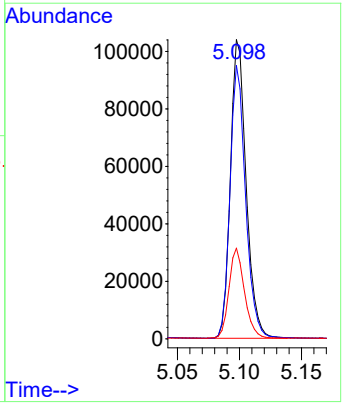


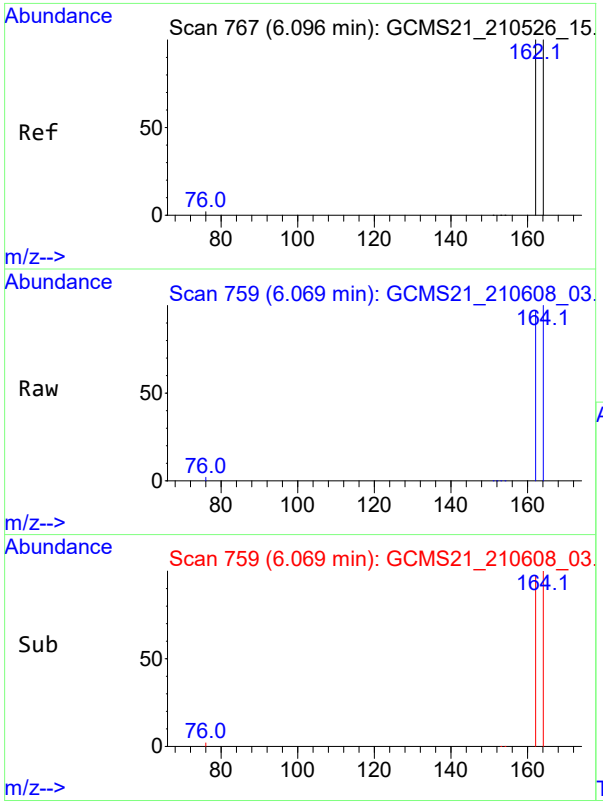


#5
1-Methylnaphthalene
Concen: 203.17 ng/mL
RT: 5.098 min Scan# 445
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:142 Resp: 91689

Ion	Ratio	Lower	Upper
142	100		
141	90.2	61.5	121.5
115	29.7	0.2	60.2

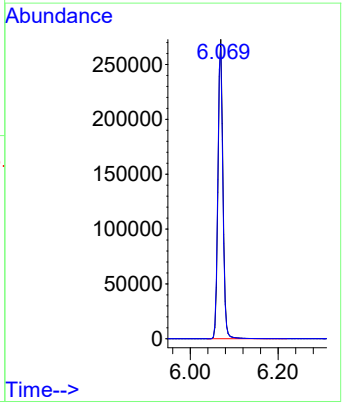


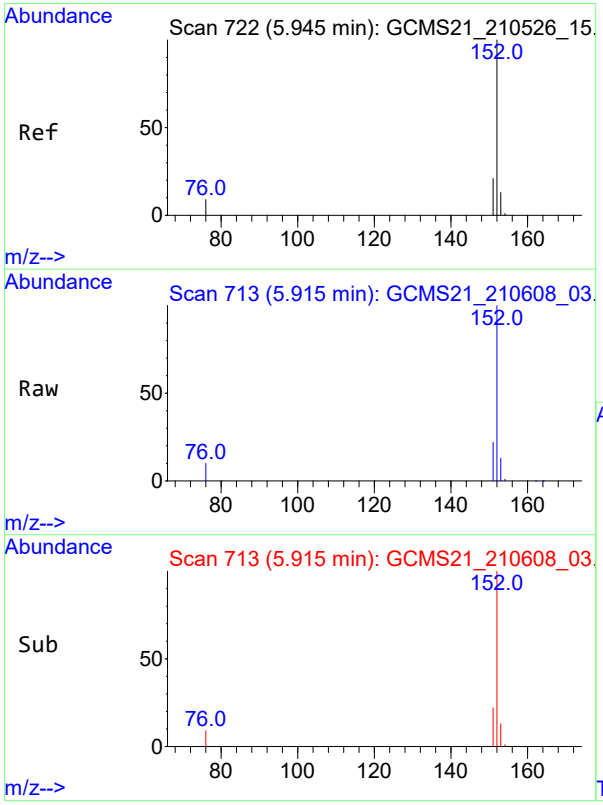


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.069 min Scan# 759
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:164 Resp: 212802

Ion	Ratio	Lower	Upper
164	100		
162	99.5	77.7	117.7

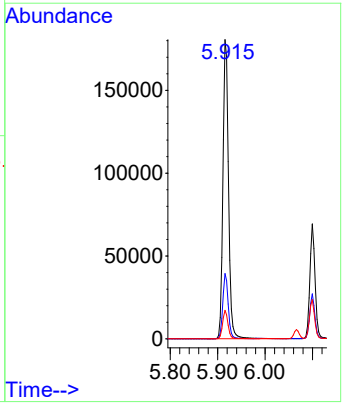


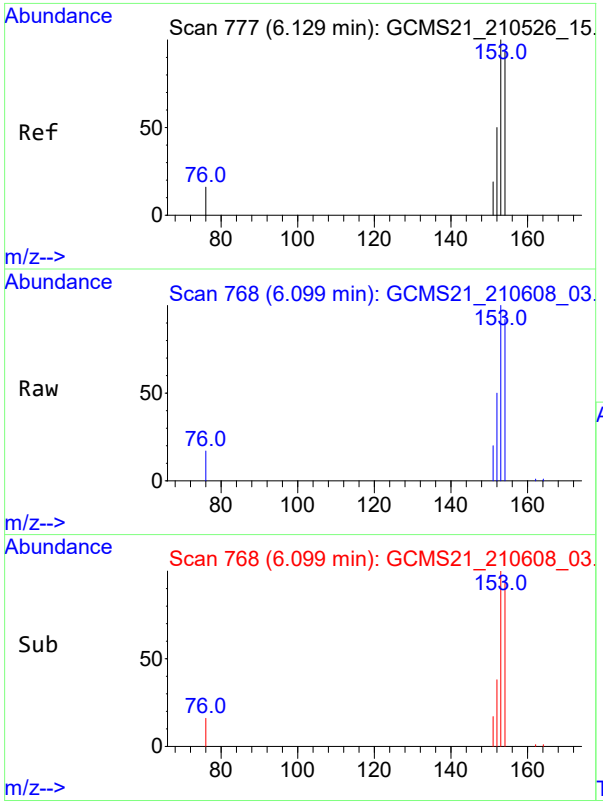


#7
Acenaphthylene
Concen: 207.83 ng/mL
RT: 5.915 min Scan# 713
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:152 Resp: 146785

Ion	Ratio	Lower	Upper
152	100		
151	21.4	0.0	52.0
76	9.2	0.0	39.5

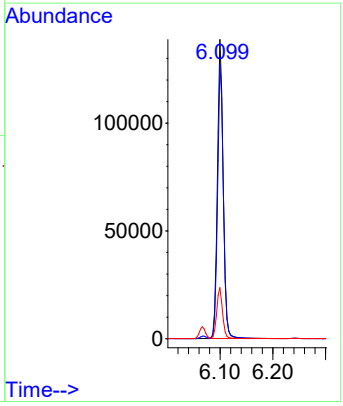


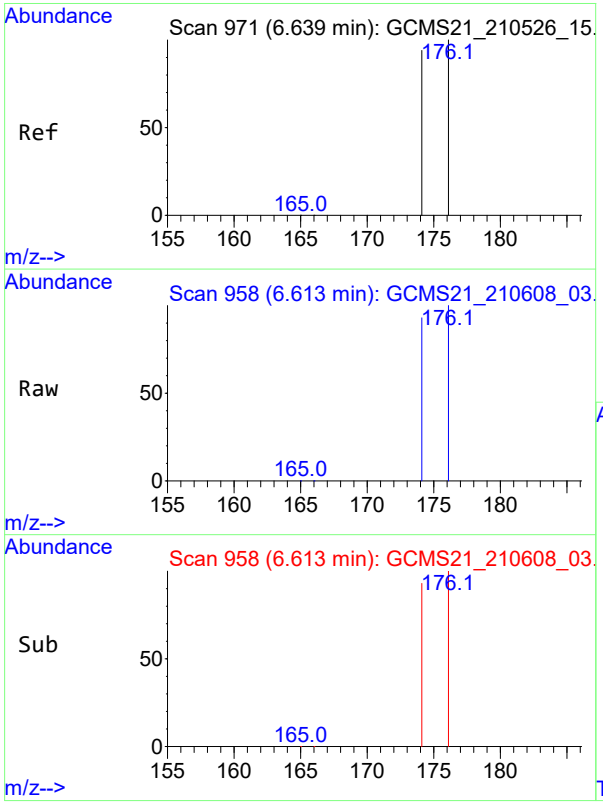


#8
Acenaphthene
Concen: 193.23 ng/mL
RT: 6.099 min Scan# 768
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:153 Resp: 104468

Ion	Ratio	Lower	Upper
153	100		
154	93.0	60.4	120.4
76	17.3	0.0	47.4

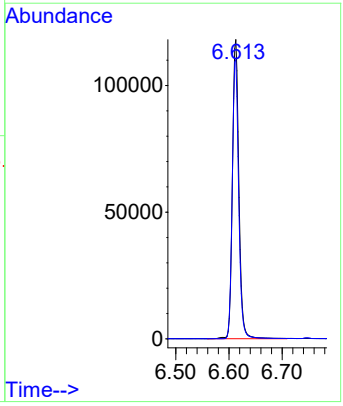


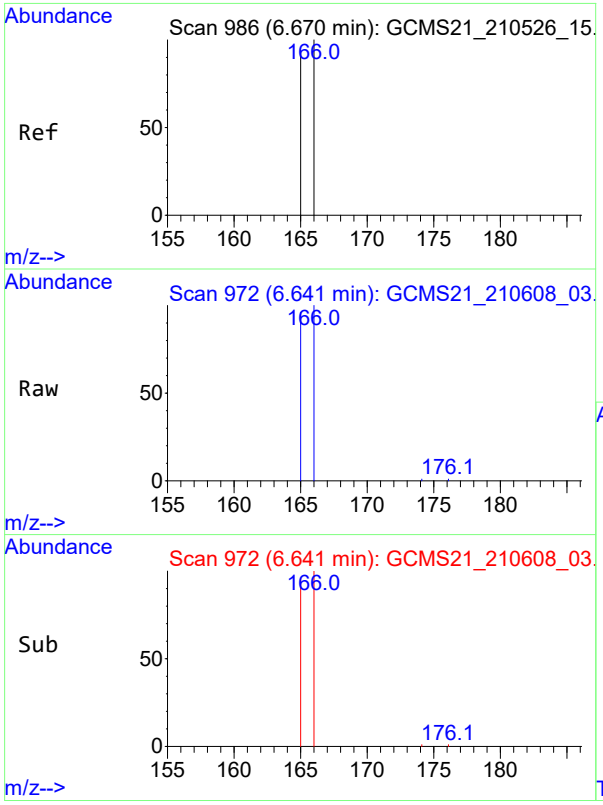


#9
Fluorene-D10
Concen: 194.96 ng/mL
RT: 6.613 min Scan# 958
Delta R.T. 0.002 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:176 Resp: 99328

Ion	Ratio	Lower	Upper
176	100		
174	93.5	63.9	123.9

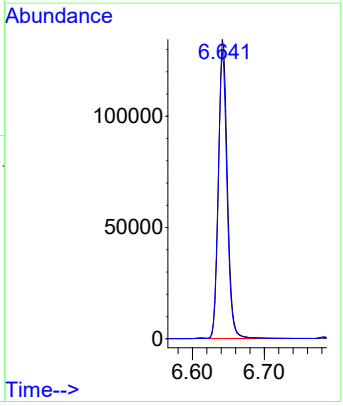


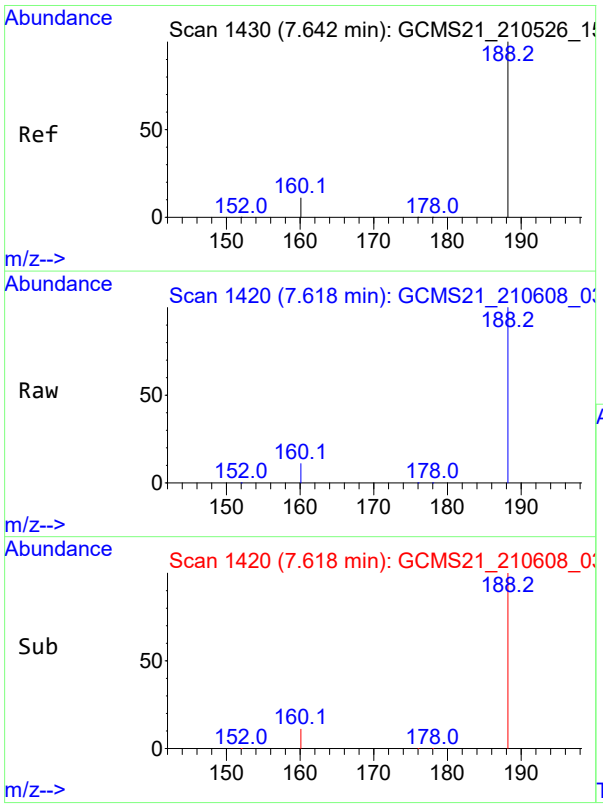


#10
Fluorene
Concen: 192.99 ng/mL
RT: 6.641 min Scan# 972
Delta R.T. 0.000 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:166 Resp: 115487

Ion	Ratio	Lower	Upper
166	100		
165	95.6	65.1	125.1

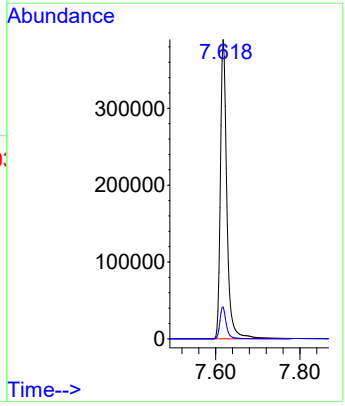


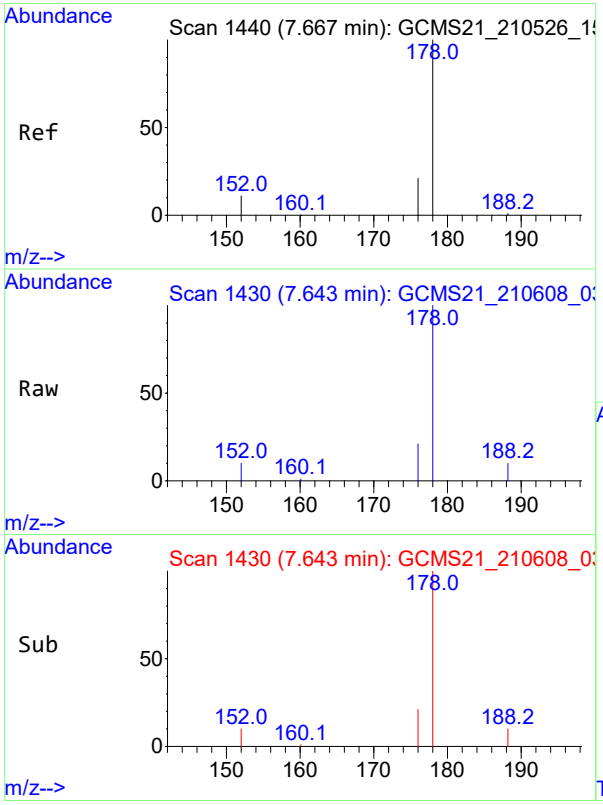


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.618 min Scan# 1420
Delta R.T. 0.003 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:188 Resp: 414994

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	39.8

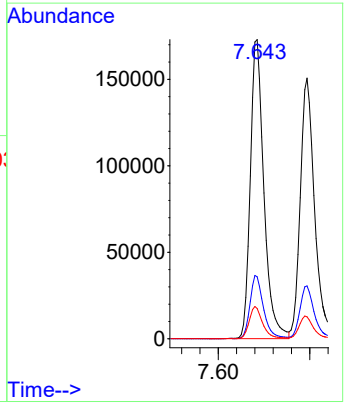


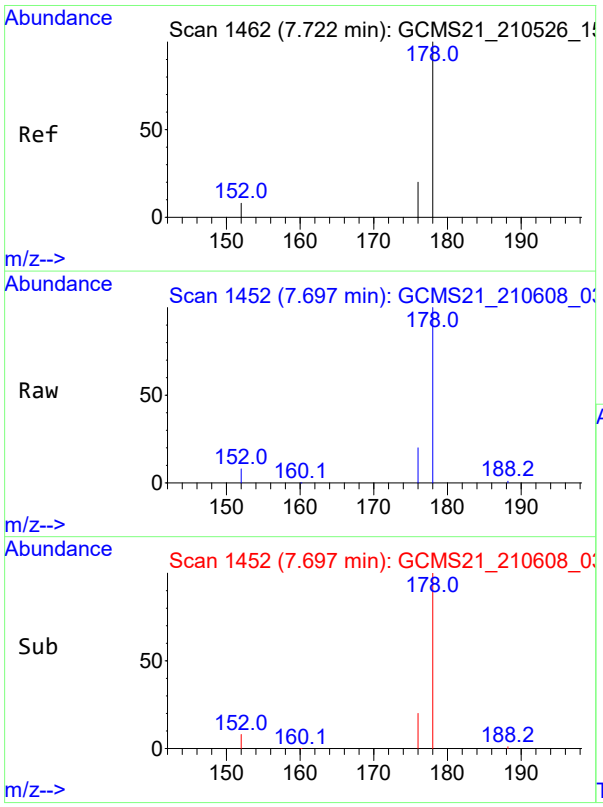


#12
Phenanthrene
Concen: 177.85 ng/mL
RT: 7.643 min Scan# 1430
Delta R.T. 0.005 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:178 Resp: 178133

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	10.6	0.0	40.6

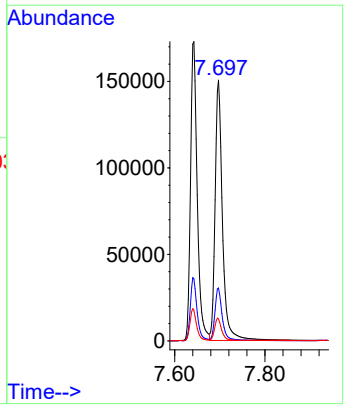


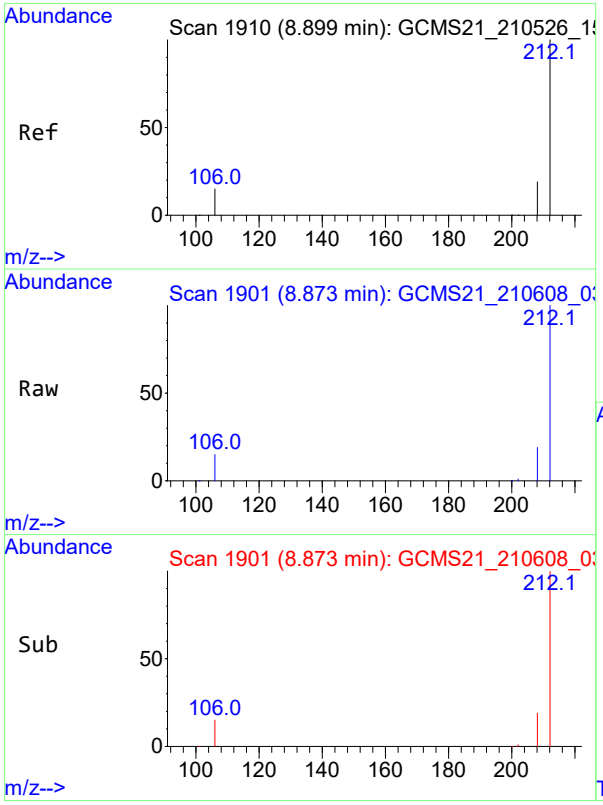


#13
Anthracene
Concen: 203.84 ng/mL
RT: 7.697 min Scan# 1452
Delta R.T. 0.005 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:178 Resp: 169765

Ion	Ratio	Lower	Upper
178	100		
176	20.3	0.0	50.4
152	8.4	0.0	38.3

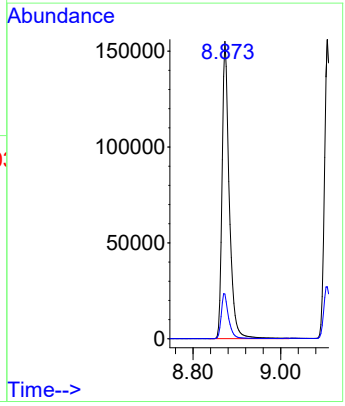


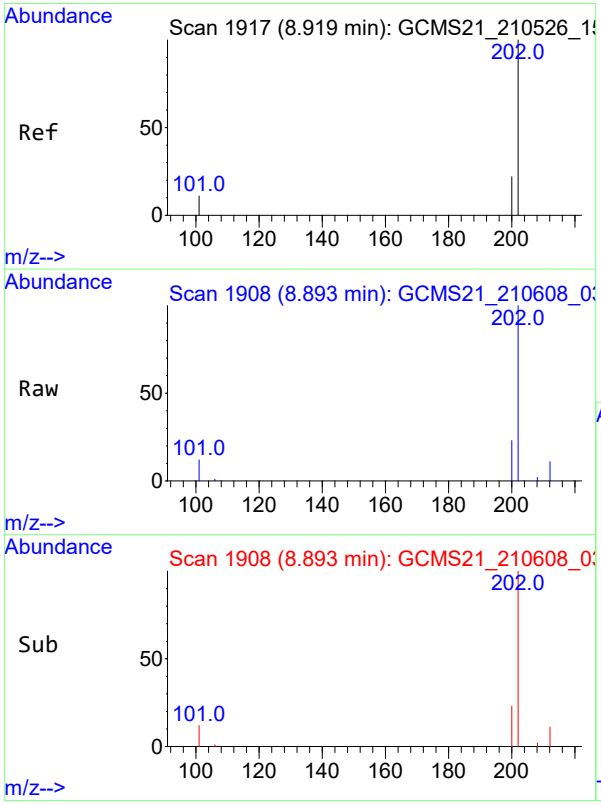


#14
Fluoranthene-D10
Concen: 195.84 ng/mL
RT: 8.873 min Scan# 1901
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:212 Resp: 175983

Ion	Ratio	Lower	Upper
212	100		
106	15.3	0.0	45.3

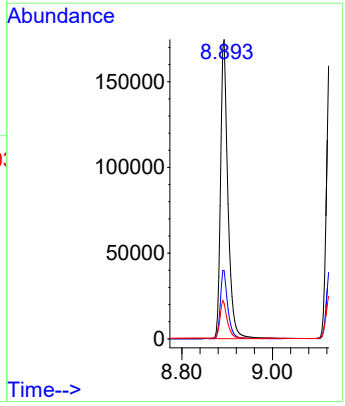


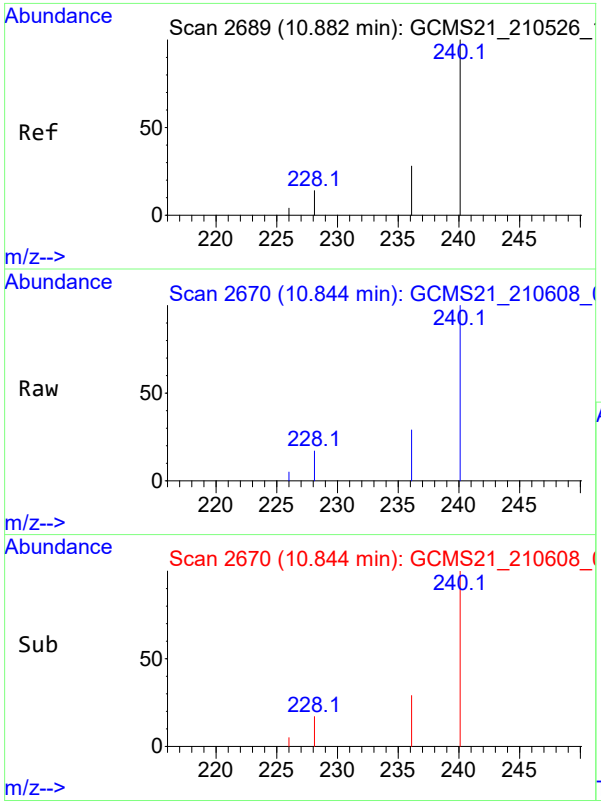


#15
Fluoranthene
Concen: 185.31 ng/mL
RT: 8.893 min Scan# 1908
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:202 Resp: 195884

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.2
101	12.5	0.0	41.8

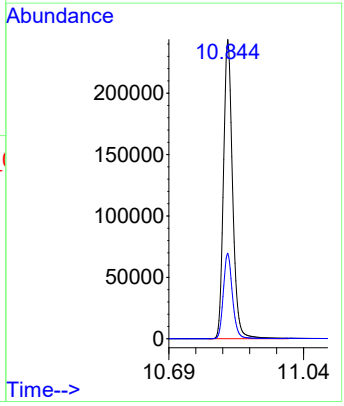


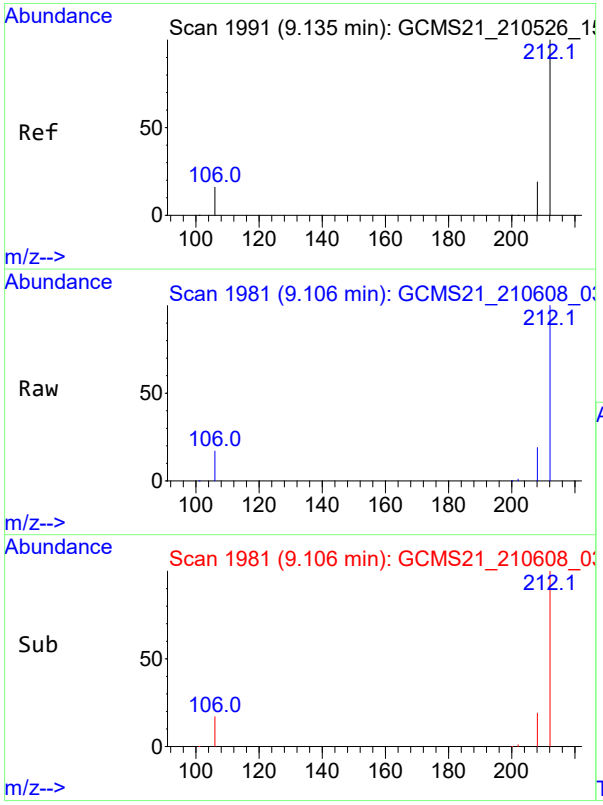


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.844 min Scan# 2670
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:240 Resp: 392121

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

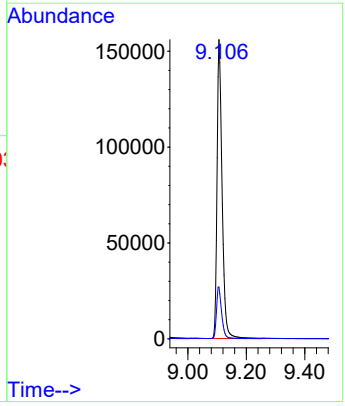


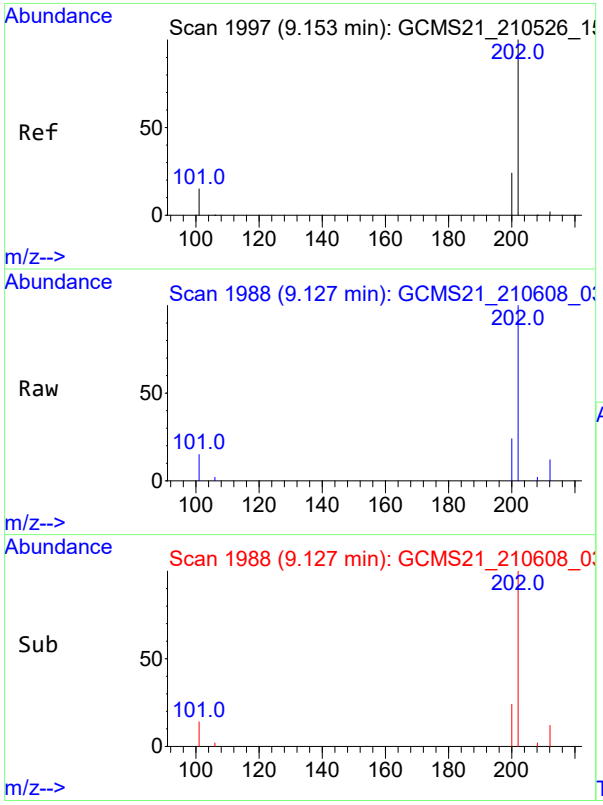


#17
Pyrene-D10
Concen: 208.33 ng/mL
RT: 9.106 min Scan# 1981
Delta R.T. 0.003 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:212 Resp: 186386

Ion	Ratio	Lower	Upper
212	100		
106	17.6	0.0	45.8

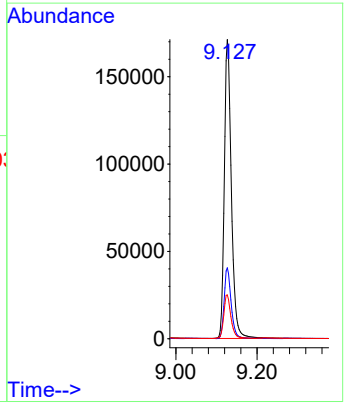


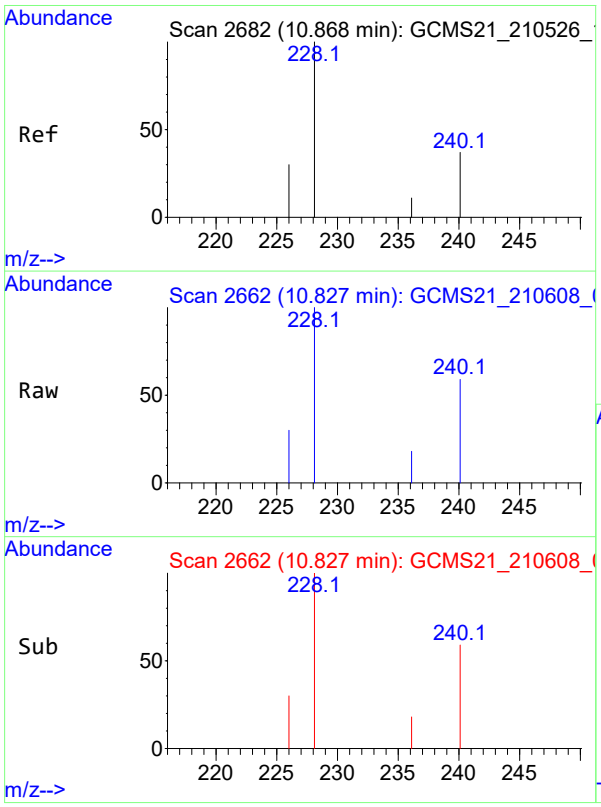


#18
Pyrene
Concen: 197.43 ng/mL
RT: 9.127 min Scan# 1988
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:202 Resp: 206330

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	54.2
101	14.8	0.0	44.6

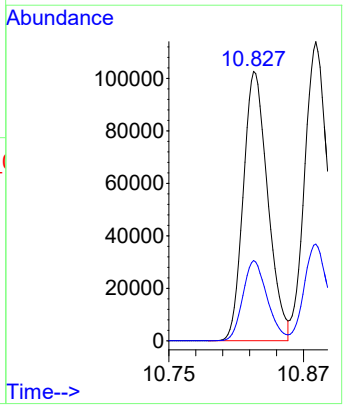


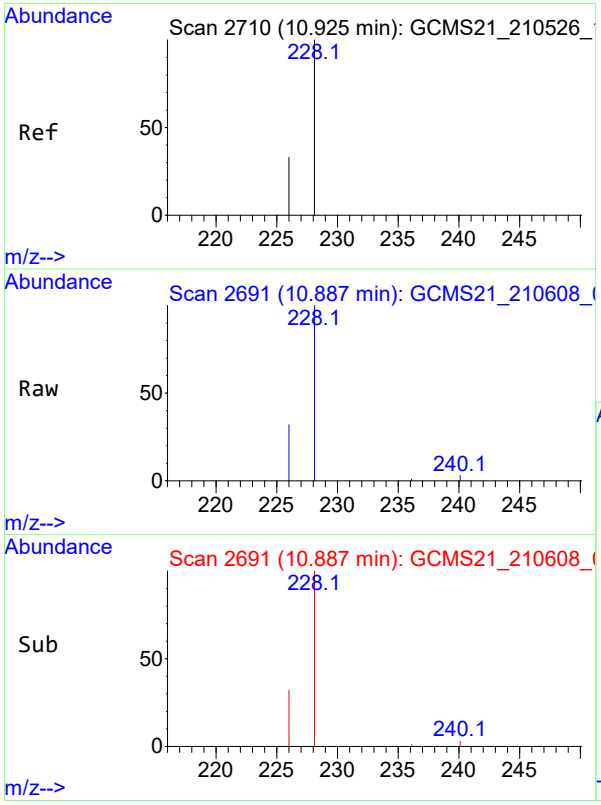


#19
Benzo(a)anthracene
Concen: 210.42 ng/mL
RT: 10.827 min Scan# 2662
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:228 Resp: 165959

Ion	Ratio	Lower	Upper
228	100		
226	29.6	0.0	59.9

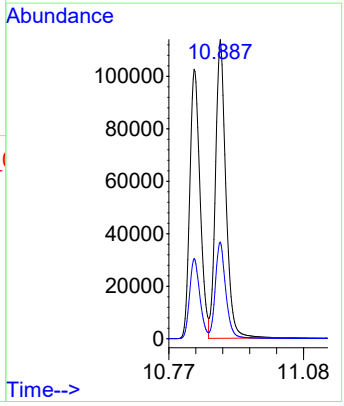


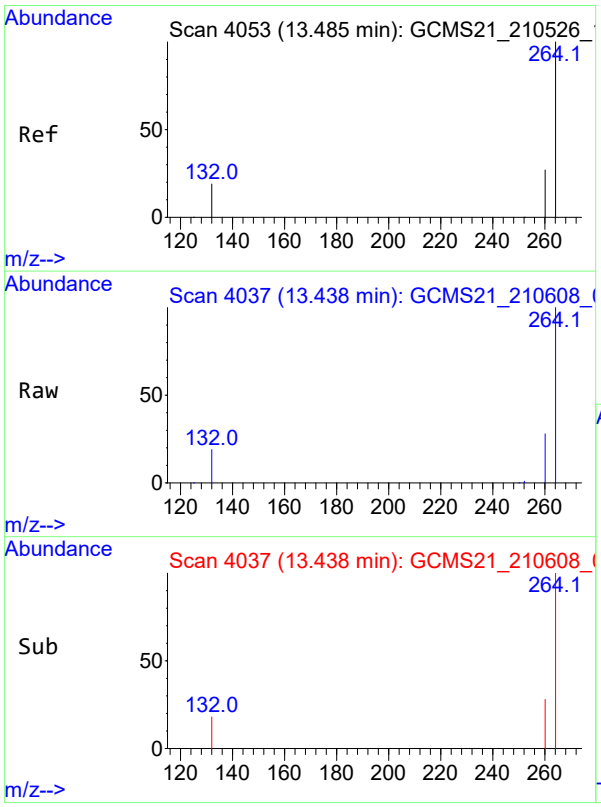


#20
Chrysene
Concen: 191.13 ng/mL
RT: 10.887 min Scan# 2691
Delta R.T. 0.008 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:228 Resp: 186111

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.8	62.8

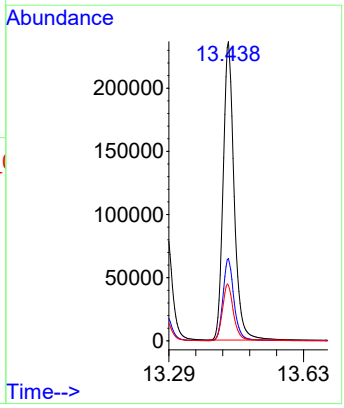


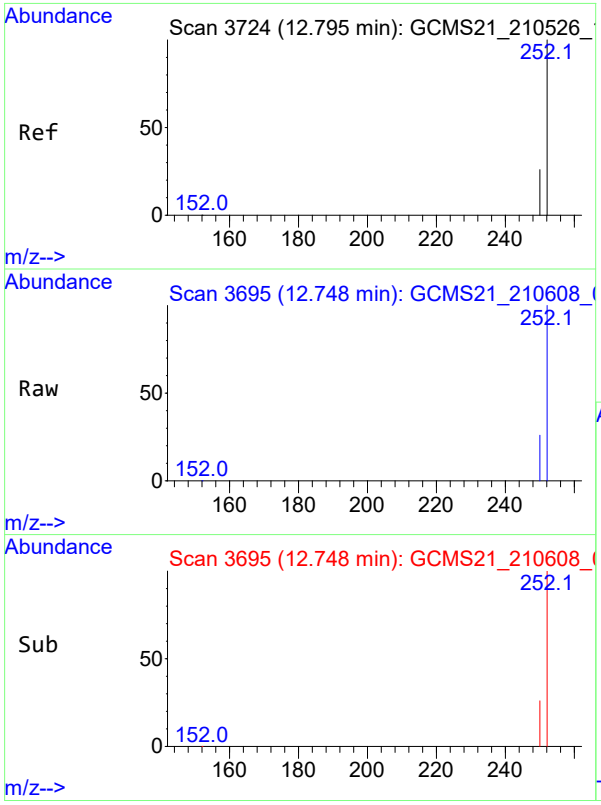


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.438 min Scan# 4037
Delta R.T. 0.009 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:264 Resp: 450116

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.5
132	19.1	0.0	49.5

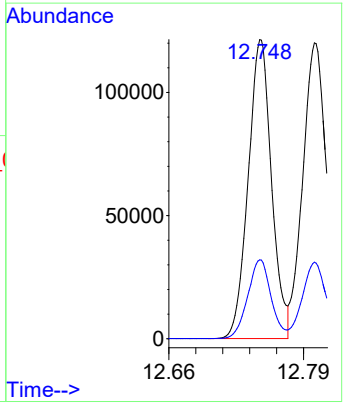


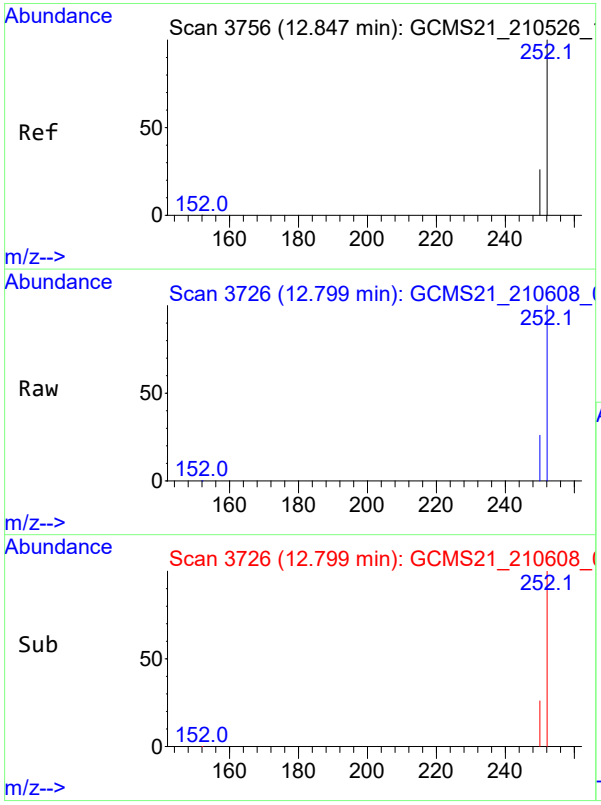


#22
Benzo(b)fluoranthene
Concen: 194.28 ng/mL
RT: 12.748 min Scan# 3695
Delta R.T. 0.007 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 181518

Ion	Ratio	Lower	Upper
252	100		
250	26.3	0.0	56.2

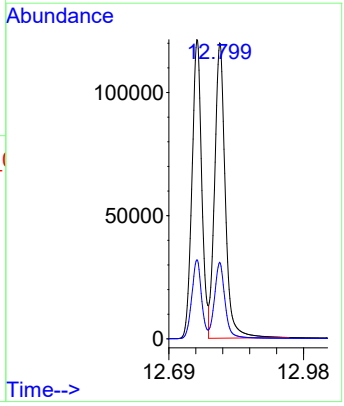


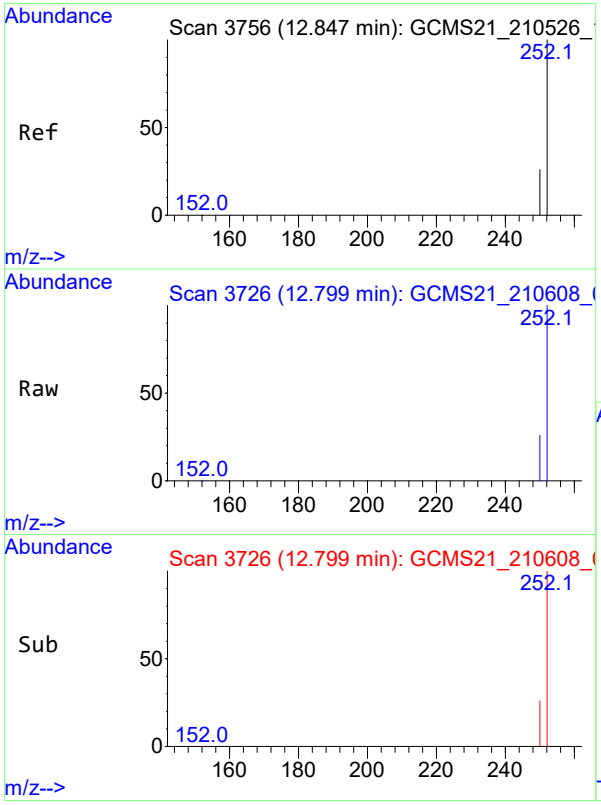


#23
Benzo(k)fluoranthene
Concen: 189.10 ng/mL
RT: 12.799 min Scan# 3726
Delta R.T. 0.003 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 195806

Ion	Ratio	Lower	Upper
252	100		
250	25.2	0.0	55.6

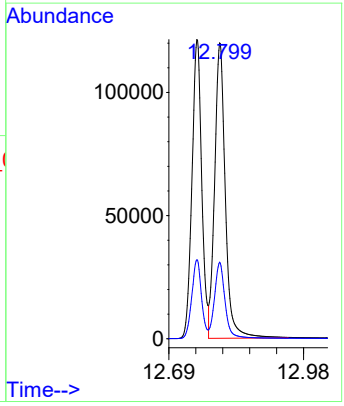


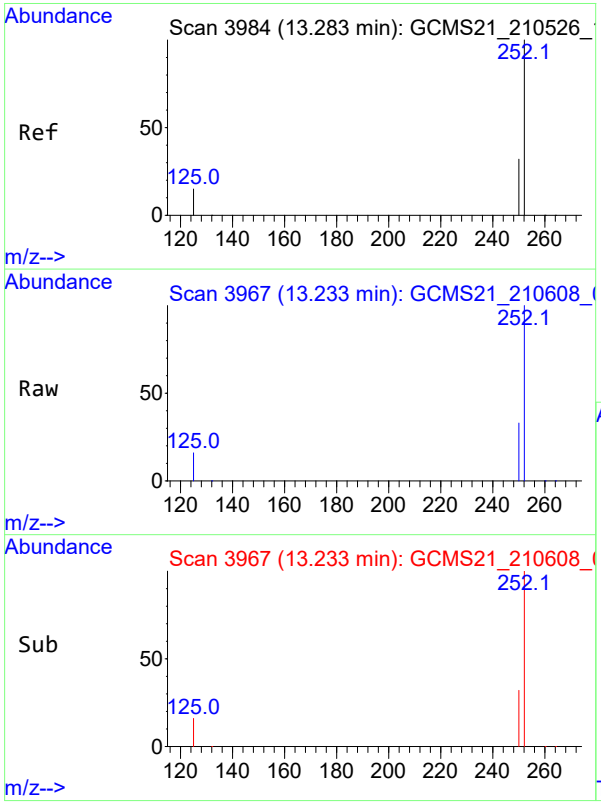


#24
benzo(b+k)fluoranthene (sum)
Concen: 194.05 ng/mL
RT: 12.799 min Scan# 3726
Delta R.T. 0.003 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 197003

Ion	Ratio	Lower	Upper
252	100		
250	25.1	0.0	55.6

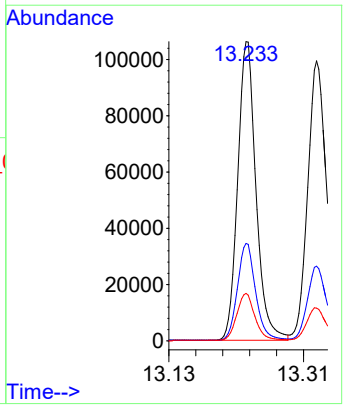


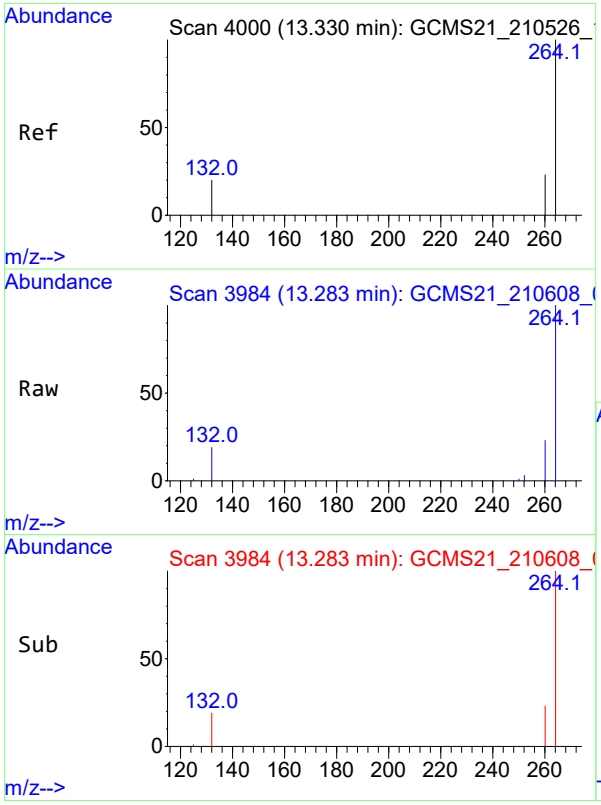


#25
Benzo(e)pyrene
Concen: 189.36 ng/mL
RT: 13.233 min Scan# 3967
Delta R.T. 0.003 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 178450

Ion	Ratio	Lower	Upper
252	100		
250	32.3	2.3	62.3
125	15.7	0.0	46.1

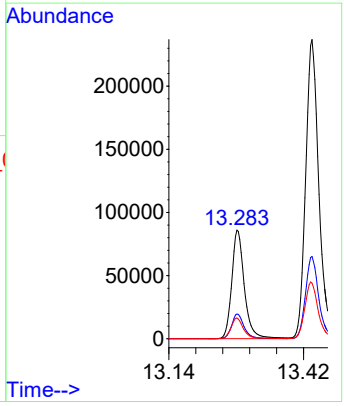


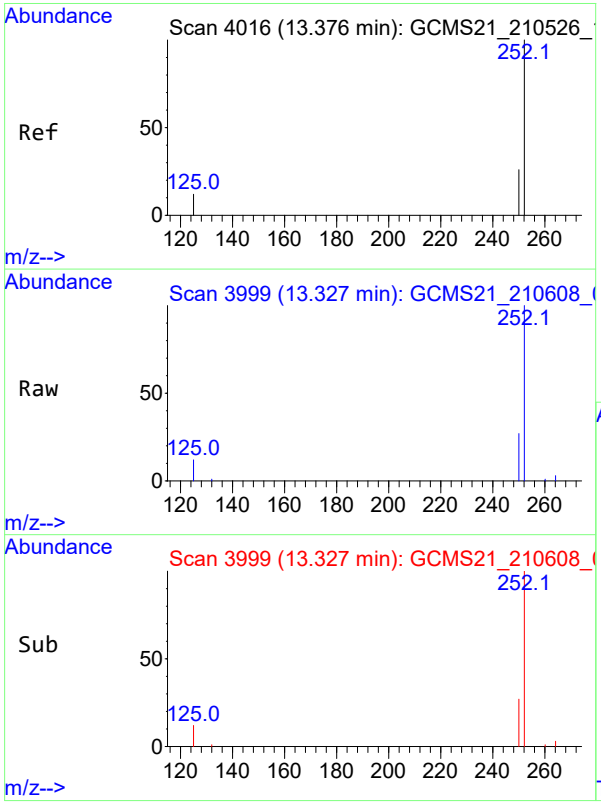


#26
Benzo(a)pyrene-D12
Concen: 211.36 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:264 Resp: 154571

Ion	Ratio	Lower	Upper
264	100		
260	22.9	0.0	53.0
132	19.0	0.0	49.8

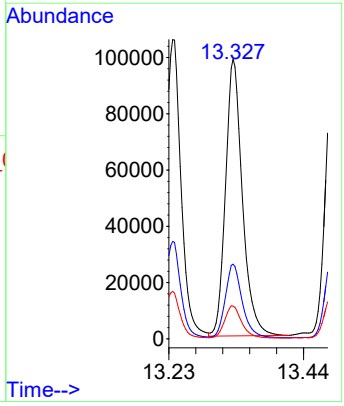


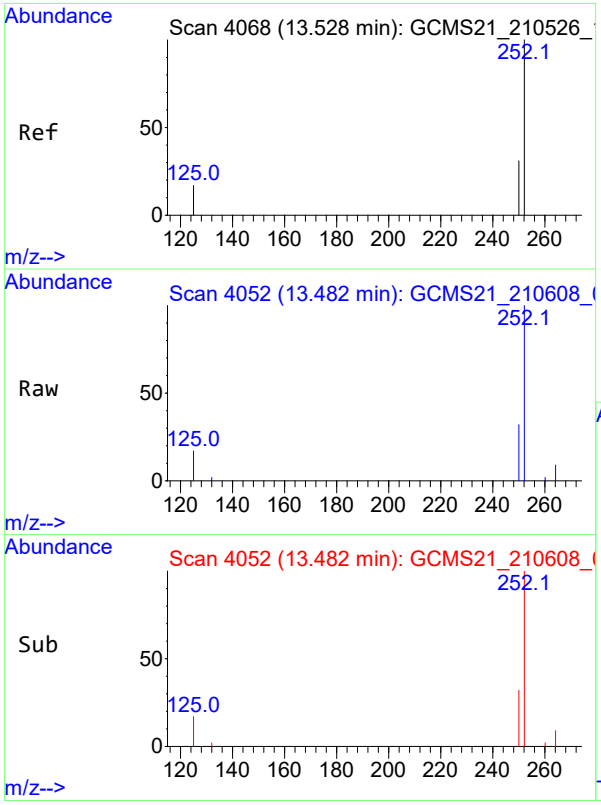


#27
Benzo(a)pyrene
Concen: 208.90 ng/mL
RT: 13.327 min Scan# 3999
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 178128

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.6
125	11.9	0.0	42.1

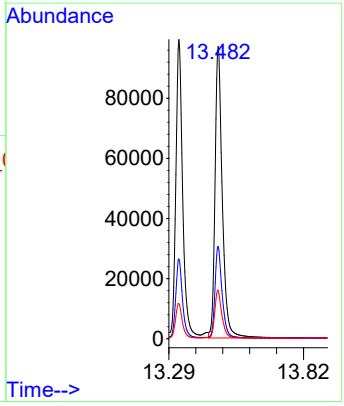


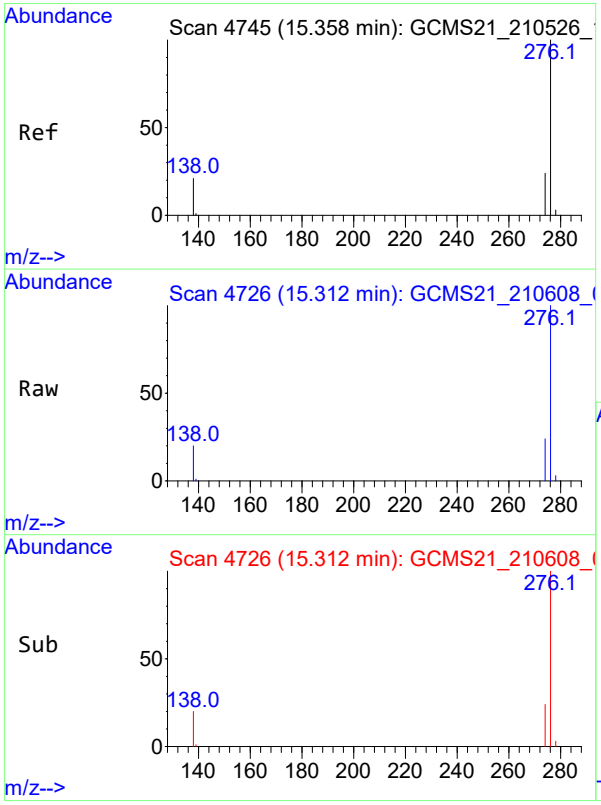


#28
Perylene
Concen: 202.06 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. 0.006 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:252 Resp: 193496

Ion	Ratio	Lower	Upper
252	100		
250	31.1	1.2	61.2
125	16.4	0.0	46.7

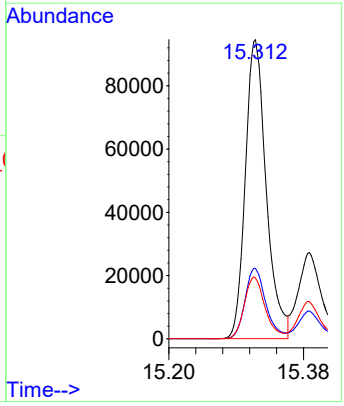


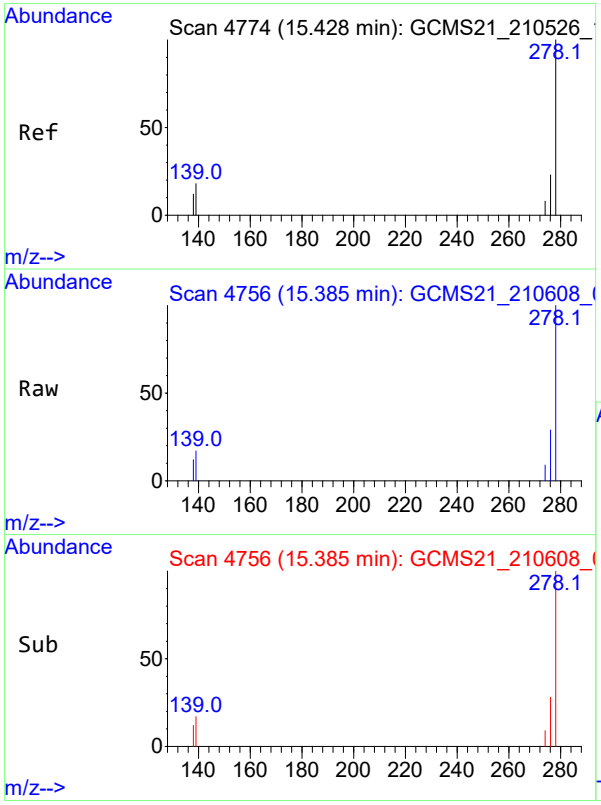


#29
Indeno(1,2,3-cd)pyrene
Concen: 250.79 ng/mL
RT: 15.312 min Scan# 4726
Delta R.T. 0.012 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:276 Resp: 182998

Ion	Ratio	Lower	Upper
276	100		
274	23.5	0.0	53.4
138	20.4	0.0	51.2

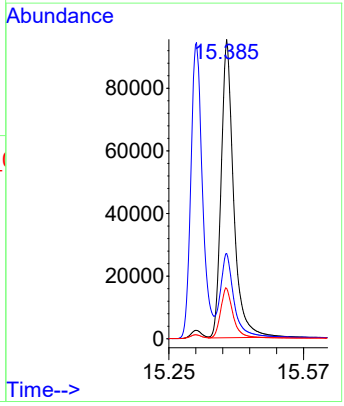


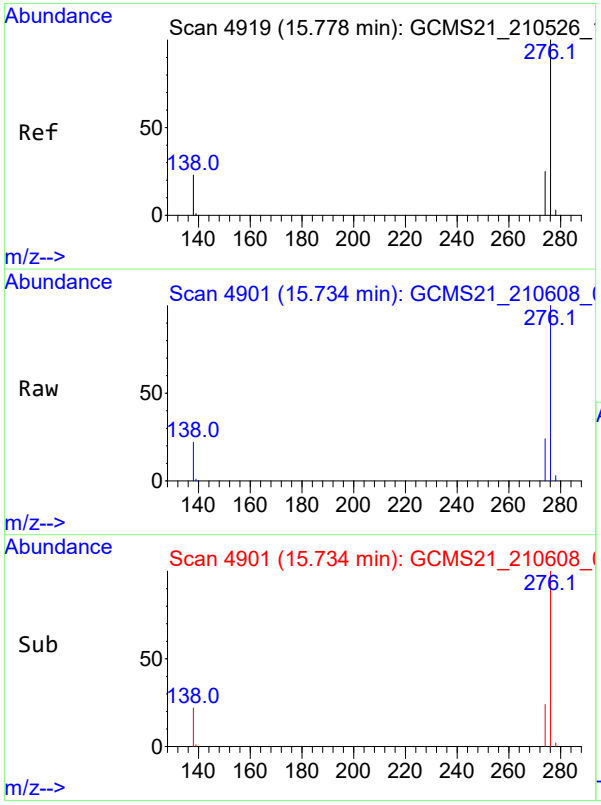


#30
Dibenz(a,h)anthracene
Concen: 272.51 ng/mL
RT: 15.385 min Scan# 4756
Delta R.T. 0.012 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:278 Resp: 198179

Ion	Ratio	Lower	Upper
278	100		
276	31.2	0.0	58.4
139	16.7	0.0	47.7

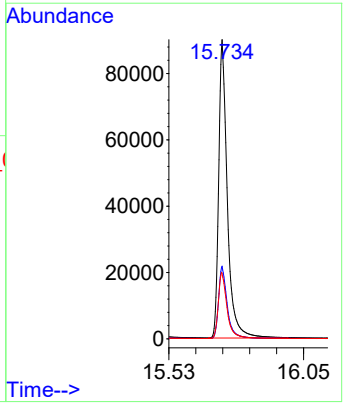




#31
Benzo(g,h,i)perylene
Concen: 223.29 ng/mL
RT: 15.734 min Scan# 4901
Delta R.T. 0.010 min
Lab File: GCMS21_210608_03.D
Acq: 08 Jun 2021 09:33

Tgt Ion:276 Resp: 211687

Ion	Ratio	Lower	Upper
276	100		
274	24.2	0.0	54.3
138	22.1	0.0	53.0



Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_03.D
Acq On : 08 Jun 2021 09:33
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 10:47:07 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

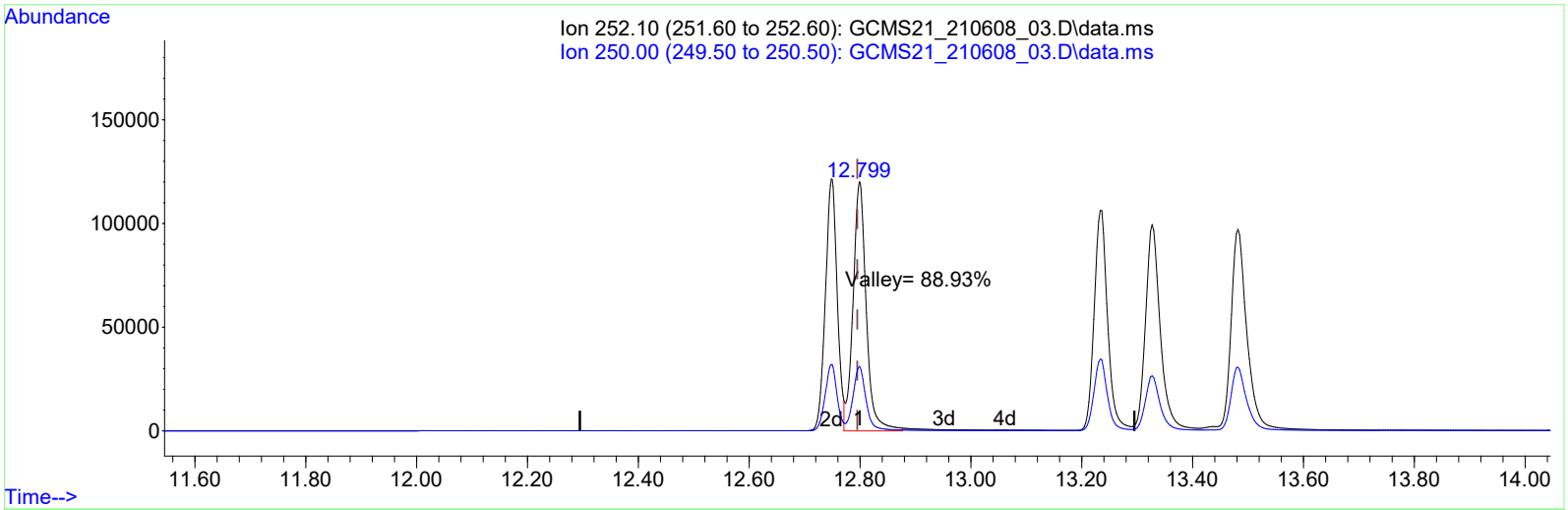
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	88	0.00
2	M	Naphthalene	250.000	202.241	19.1	72	0.00
3	S	2-Methylnaphthalene-D10	250.000	196.950	21.2	69	0.00
4	M	2-Methylnaphthalene	250.000	186.622	25.4	70	0.00
5	M	1-Methylnaphthalene	250.000	203.169	18.7	71	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	86	0.00
7	M	Acenaphthylene	250.000	207.825	16.9	76	0.00
8	M	Acenaphthene	250.000	193.231	22.7	70	0.00
9	S	Fluorene-D10	250.000	194.961	22.0	69	0.00
10	M	Fluorene	250.000	192.986	22.8	69	0.00
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	89	0.00
12	M	Phenanthrene	250.000	177.853	28.9	68	0.00
13	M	Anthracene	250.000	203.843	18.5	75	0.00
14	S	Fluoranthene-D10	250.000	195.844	21.7	69	0.00
15	M	Fluoranthene	250.000	185.310	25.9	69	0.00
16	I	CHRYSENE-D12	500.000	500.000	0.0	83	0.00
17	S	Pyrene-D10	250.000	208.333	16.7	69	0.00
18	M	Pyrene	250.000	197.432	21.0	69	0.00
19	M	Benzo(a)anthracene	250.000	210.419	15.8	71	0.00
20	M	Chrysene	250.000	191.130	23.5	68	0.00
21	I	PERYLENE-D12	500.000	500.000	0.0	90	0.00
22	M	Benzo(b)fluoranthene	250.000	194.275	22.3	75	0.00
23	M	Benzo(k)fluoranthene	250.000	189.097	24.4	74	0.00
24	NR	benzo(b+k)fluoranthene (sum	500.000	375.423	24.9	75	-0.05
25	M	Benzo(e)pyrene	250.000	189.361	24.3	70	0.00
26	S	Benzo(a)pyrene-D12	250.000	211.363	15.5	75	0.00
27	M	Benzo(a)pyrene	250.000	208.897	16.4	76	0.00
28	M	Perylene	250.000	202.056	19.2	73	0.00
29	M	Indeno(1,2,3-cd)pyrene	250.000	250.794	-0.3	94	0.01
30	M	Dibenz(a,h)anthracene	250.000	272.513	-9.0	98	0.01
31	M	Benzo(g,h,i)perylene	250.000	223.286	10.7	85	0.00

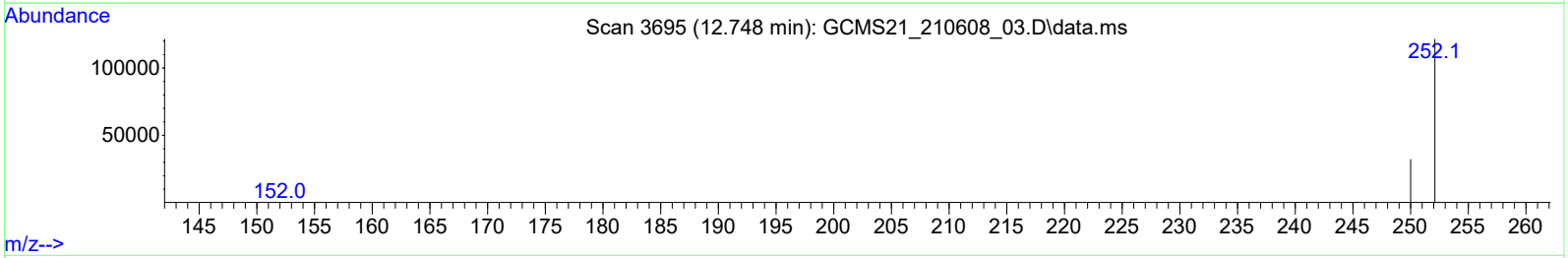
(#) = Out of Range SPCC's out = 0 CCC's out = 0

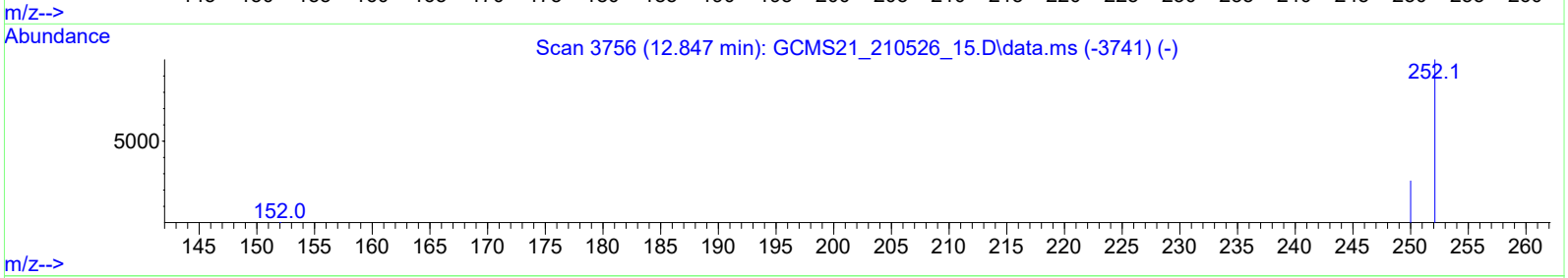
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_03.D
Acq On : 08 Jun 2021 09:33
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 10:47:07 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210608_03.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.748min (-0.047) 375.42 ng/mL m

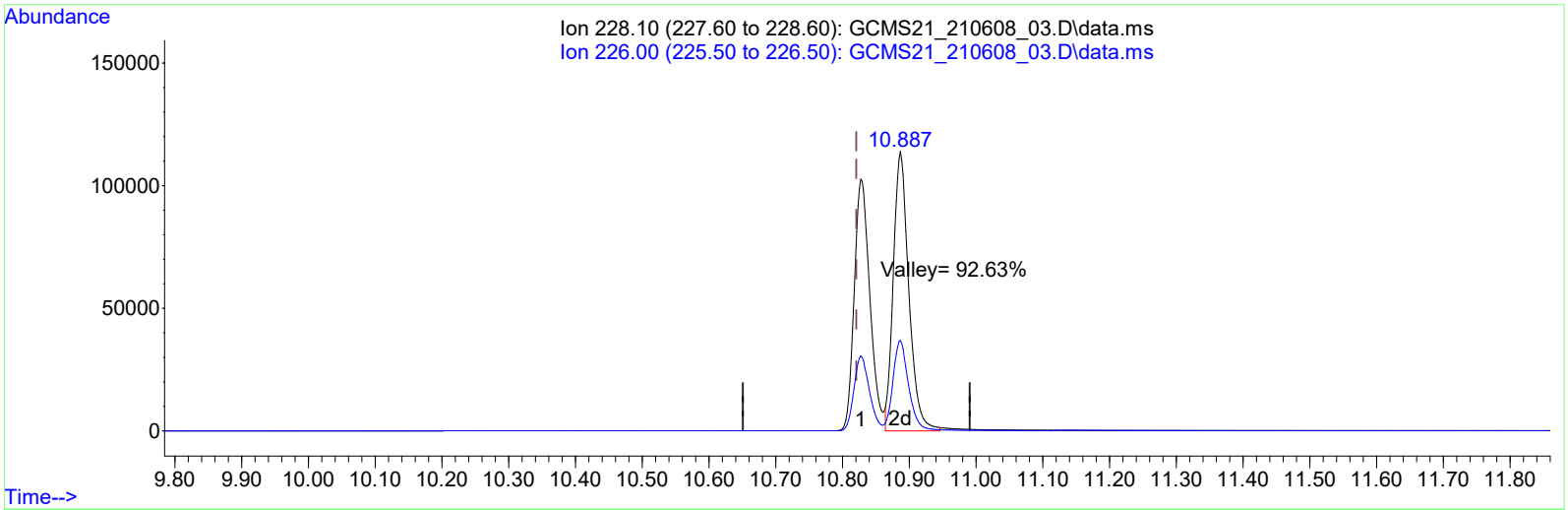
response 381137

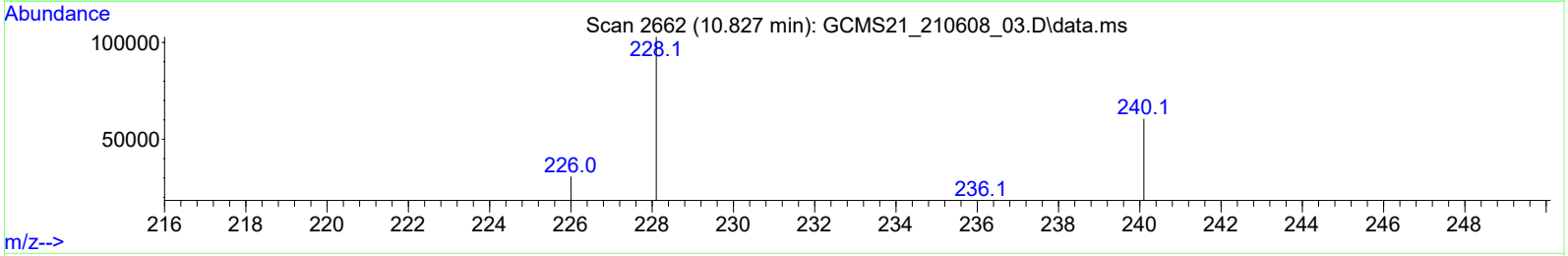
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	12.95
0.00	0.00	0.00
0.00	0.00	0.00

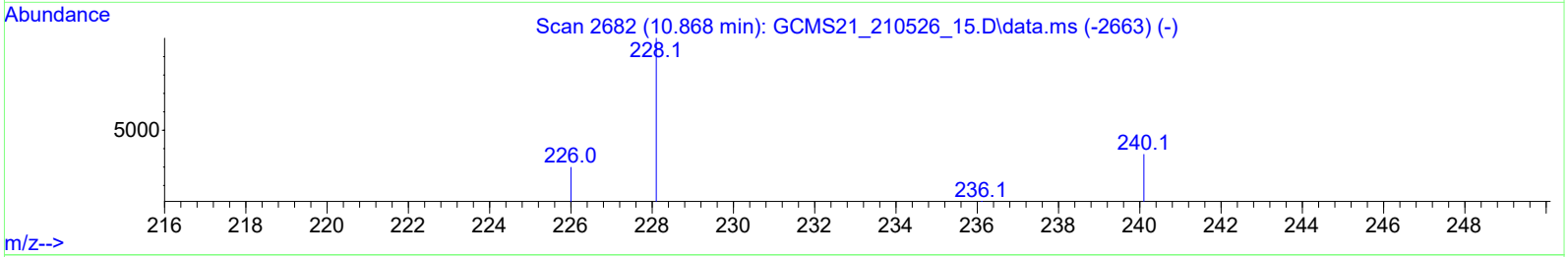
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_03.D
Acq On : 08 Jun 2021 09:33
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 01 10:47:07 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210608_03.D\data.ms

(19) Benzo(a)anthracene (M)

10.827min (+ 0.006) 210.42 ng/mL

response 165959

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.90	29.60
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_26.D
Acq On : 08 Jun 2021 19:07
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 10:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

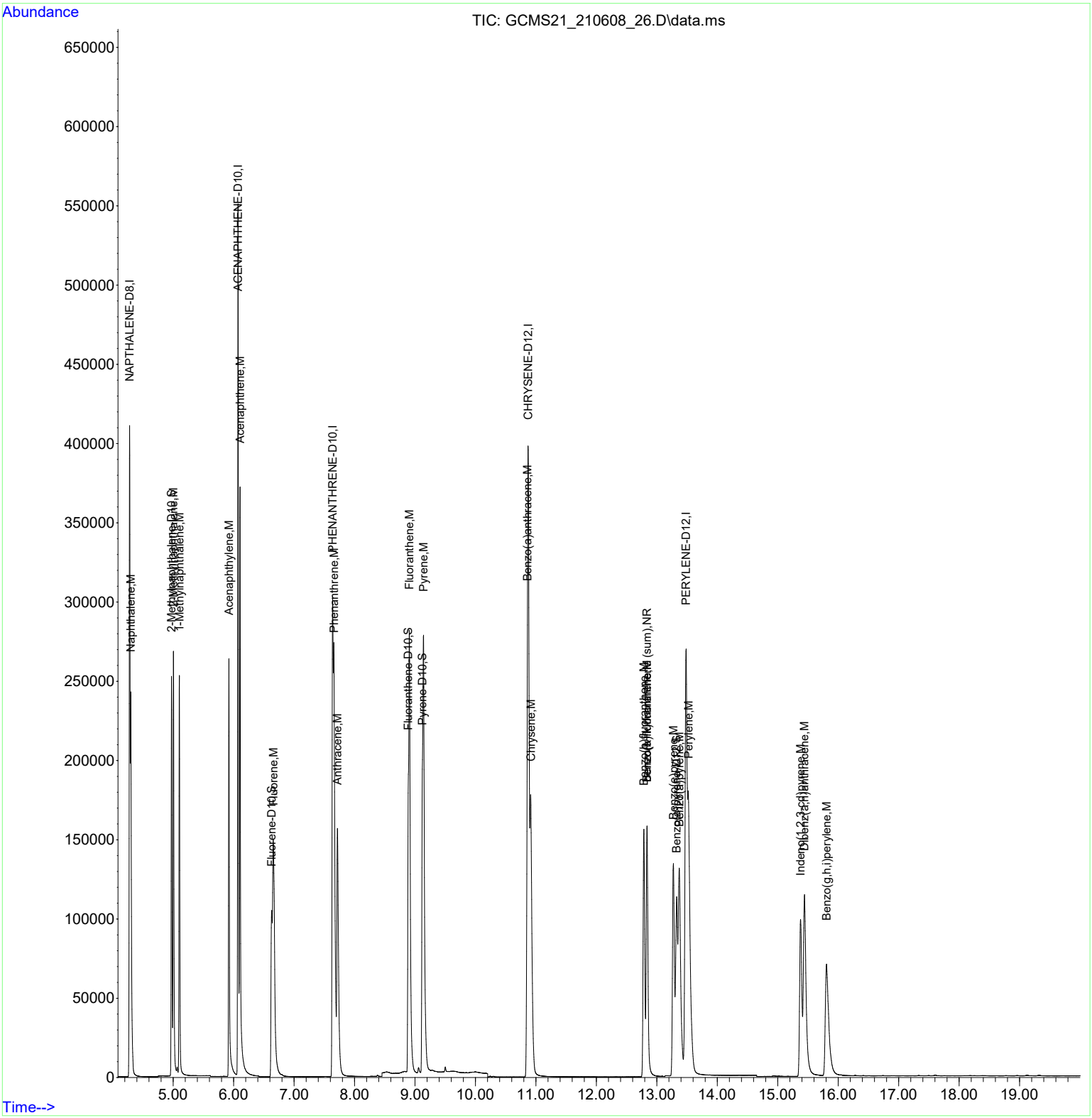
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	
Internal Standards						
1) NAPTHALENE-D8	4.280	136	441906	500.00 ng/mL	0.00	
6) ACENAPHTHENE-D10	6.073	164	255921	500.00 ng/mL	0.00	
11) PHENANTHRENE-D10	7.637	188	519559	500.00 ng/mL	0.02	
16) CHRYSENE-D12	10.874	240	515215	500.00 ng/mL	0.04	
21) PERYLENE-D12	13.485	264	533807	500.00 ng/mL	0.06	
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.972	152	112075	201.51 ng/mL	0.00	
9) Fluorene-D10	6.629	176	120875	197.28 ng/mL	0.02	
14) Fluoranthene-D10	8.890	212	226299	201.15 ng/mL	0.02	
17) Pyrene-D10	9.121	212	236103	200.85 ng/mL	0.02	
26) Benzo(a)pyrene-D12	13.327	264	193888	223.56 ng/mL	0.05	
Target Compounds					Qvalue	
2) Naphthalene	4.300	128	171746	202.56 ng/mL	100	
4) 2-Methylnaphthalene	5.004	142	117510	188.18 ng/mL	99	
5) 1-Methylnaphthalene	5.103	142	104145	200.23 ng/mL	99	
7) Acenaphthylene	5.922	152	180760	212.81 ng/mL	99	
8) Acenaphthene	6.106	153	123023	189.21 ng/mL	97	
10) Fluorene	6.660	166	140599	195.36 ng/mL	99	
12) Phenanthrene	7.662	178	206138	164.39 ng/mL	99	
13) Anthracene	7.717	178	225818	216.58 ng/mL	99	
15) Fluoranthene	8.908	202	246496	186.26 ng/mL	98	
18) Pyrene	9.141	202	255979	186.42 ng/mL	98	
19) Benzo(a)anthracene	10.860	228	214515	207.00 ng/mL	100	
20) Chrysene	10.917	228	253196m	197.90 ng/mL		I, D _MN 07.28.21
22) Benzo(b)fluoranthene	12.785	252	227820	205.60 ng/mL	99	
23) Benzo(k)fluoranthene	12.837	252	237964m	193.78 ng/mL		I, D _MN 07.28.21
24) benzo(b+k)fluoranthene...	12.837	252	482523m	400.77 ng/mL		
25) Benzo(e)pyrene	13.274	252	213267	190.83 ng/mL	98	
27) Benzo(a)pyrene	13.374	252	229864m	227.31 ng/mL		I, D _MN 07.28.21
28) Perylene	13.526	252	229260	201.87 ng/mL	99	
29) Indeno(1,2,3-cd)pyrene	15.377	276	172604	199.46 ng/mL	98	
30) Dibenz(a,h)anthracene	15.442	278	193255m	224.08 ng/mL		I, D _MN 07.28.21
31) Benzo(g,h,i)perylene	15.806	276	194533m	173.02 ng/mL		I, D _MN 07.28.21

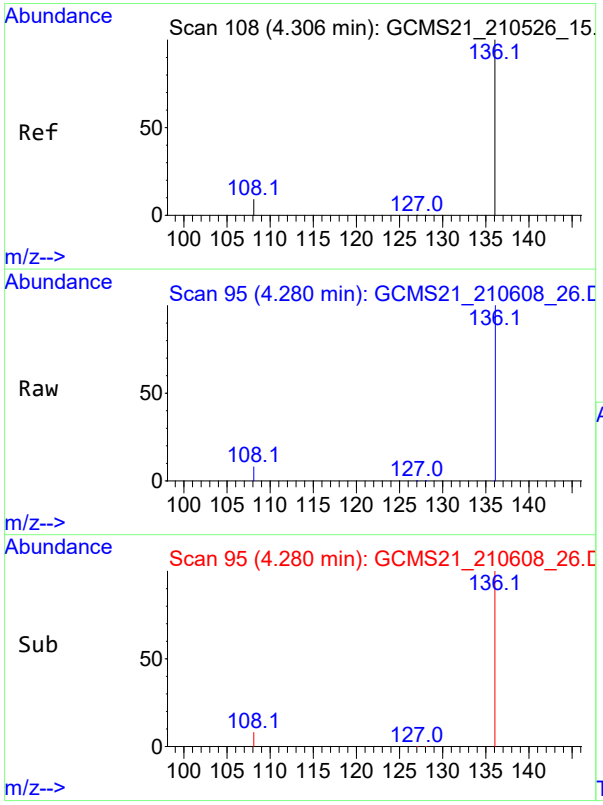
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_26.D
Acq On : 08 Jun 2021 19:07
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 10:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

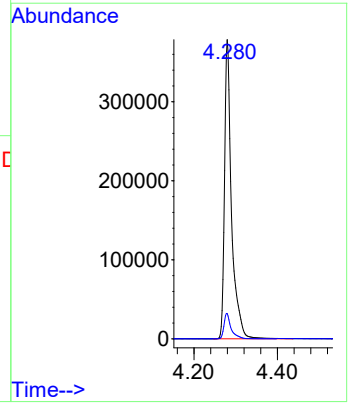


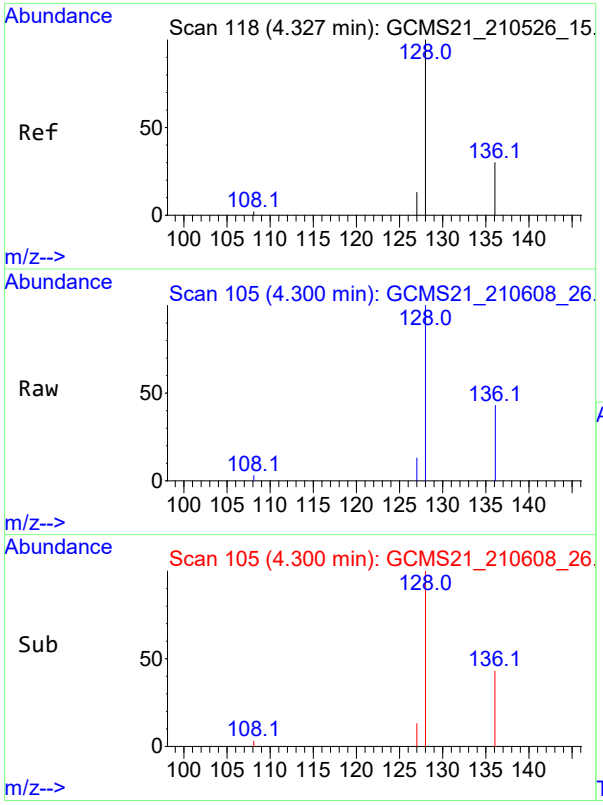


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.280 min Scan# 95
Delta R.T. 0.004 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:136 Resp: 441906

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

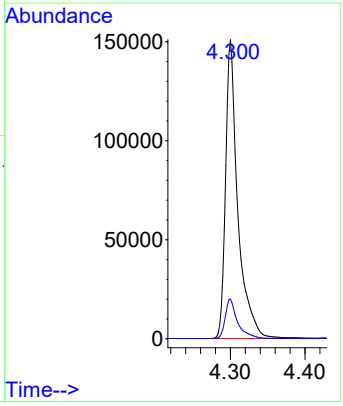


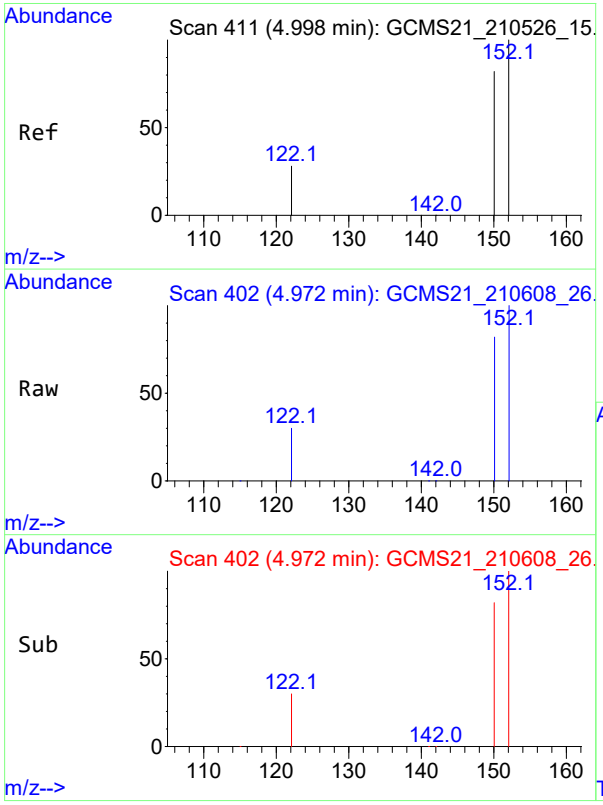


#2
Naphthalene
Concen: 202.56 ng/mL
RT: 4.300 min Scan# 105
Delta R.T. 0.004 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:128 Resp: 171746

Ion	Ratio	Lower	Upper
128	100		
127	13.3	0.0	43.3

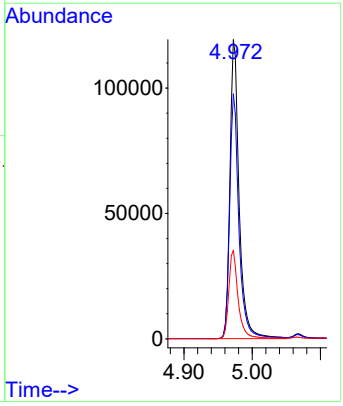


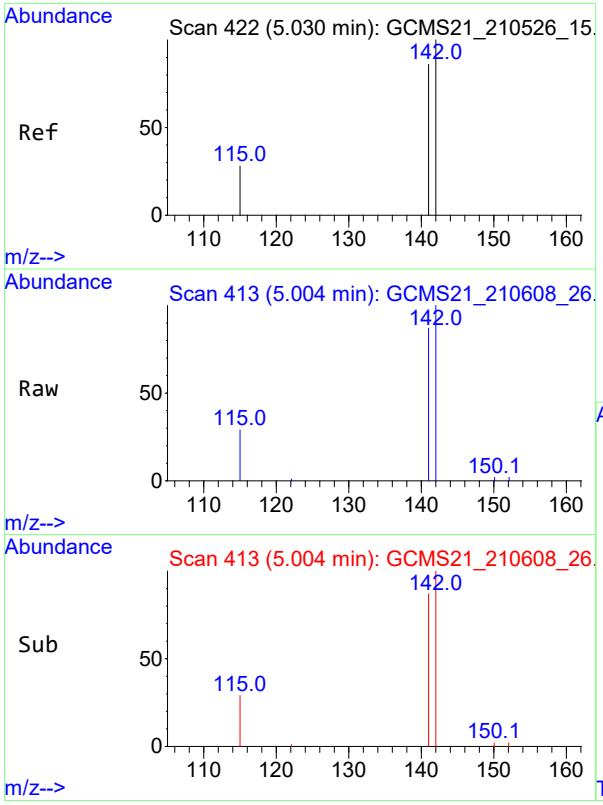


#3
2-Methylnaphthalene-D10
Concen: 201.51 ng/mL
RT: 4.972 min Scan# 402
Delta R.T. 0.003 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:152 Resp: 112075

Ion	Ratio	Lower	Upper
152	100		
150	81.9	52.3	112.3
122	29.8	0.0	57.5

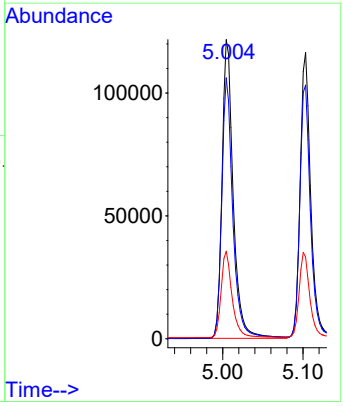


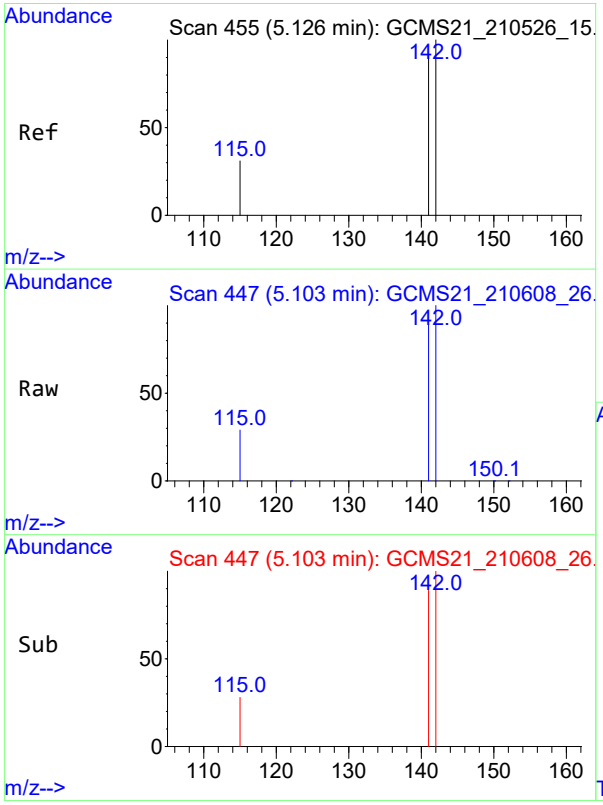


#4
2-Methylnaphthalene
Concen: 188.18 ng/mL
RT: 5.004 min Scan# 413
Delta R.T. 0.003 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:142 Resp: 117510

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.3	116.3
115	28.5	0.0	57.4

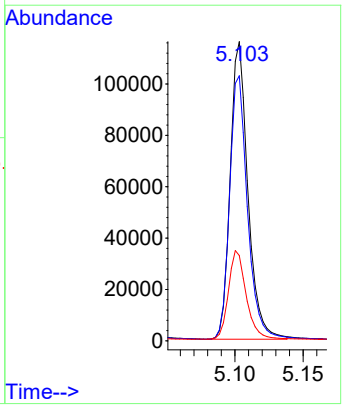


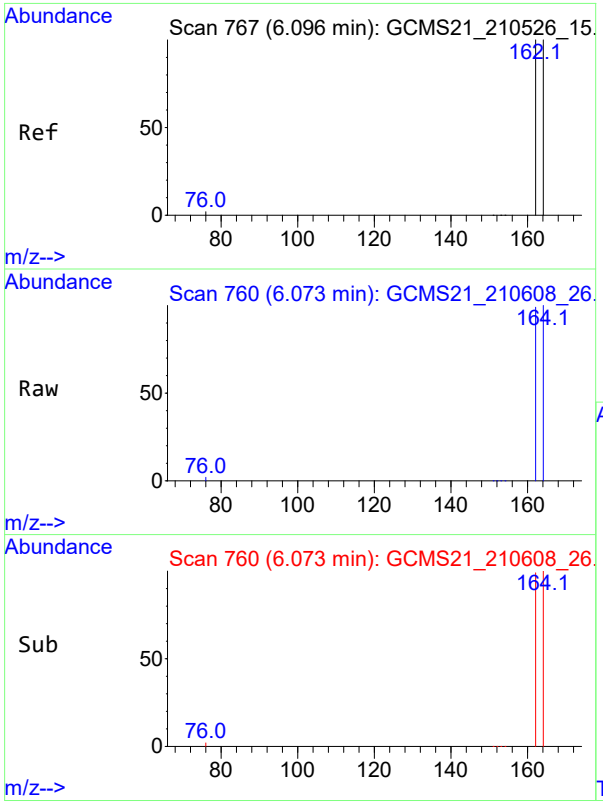


#5
1-Methylnaphthalene
Concen: 200.23 ng/mL
RT: 5.103 min Scan# 447
Delta R.T. 0.006 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:142 Resp: 104145

Ion	Ratio	Lower	Upper
142	100		
141	89.8	61.5	121.5
115	30.0	0.2	60.2

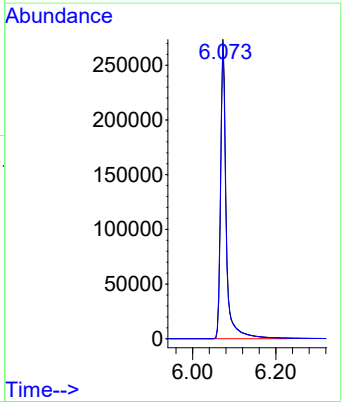


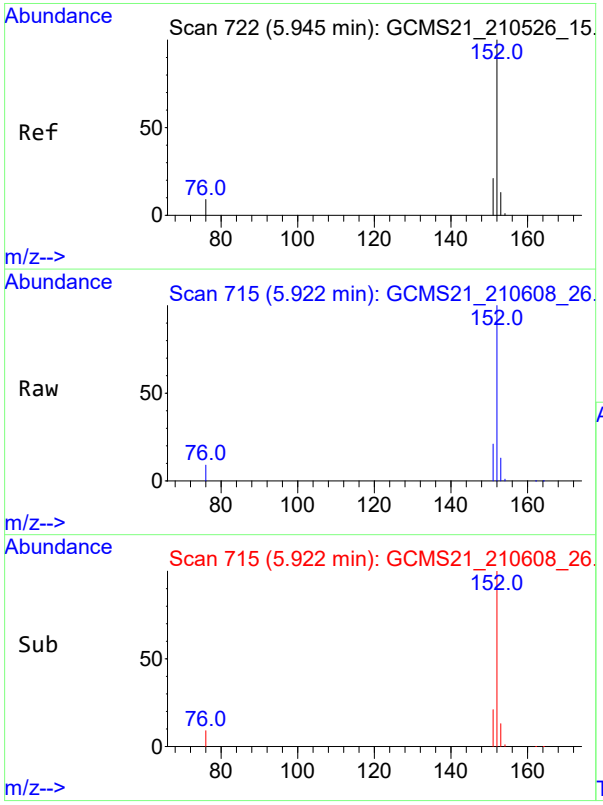


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.073 min Scan# 760
Delta R.T. 0.003 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:164 Resp: 255921

Ion	Ratio	Lower	Upper
164	100		
162	98.7	77.7	117.7

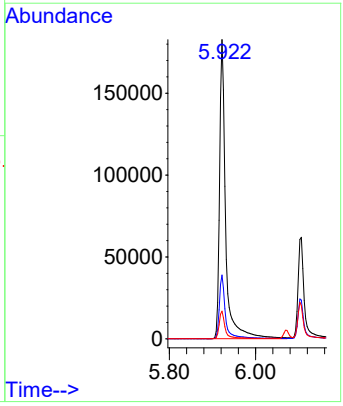


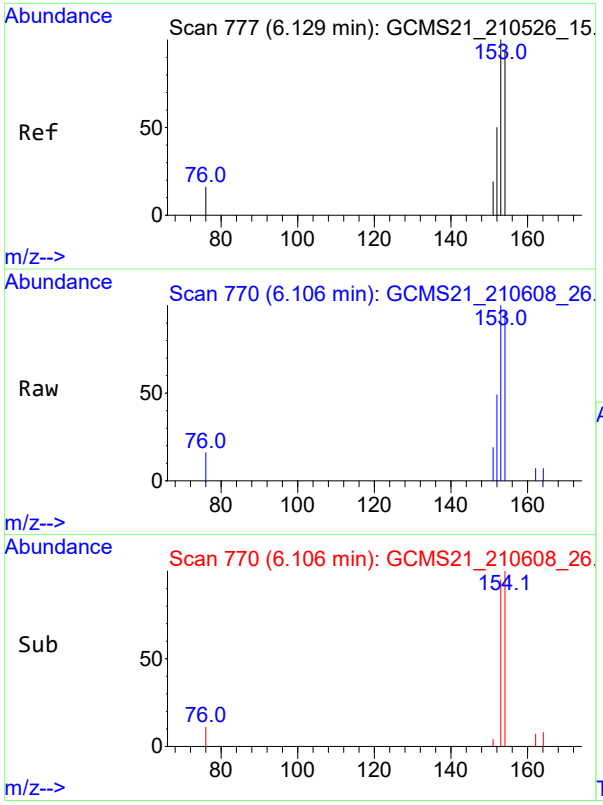


#7
Acenaphthylene
Concen: 212.81 ng/mL
RT: 5.922 min Scan# 715
Delta R.T. 0.007 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:152 Resp: 180760

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.0	52.0
76	9.2	0.0	39.5

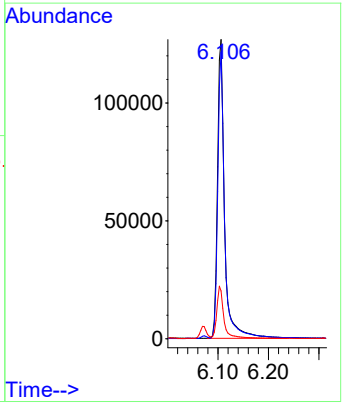


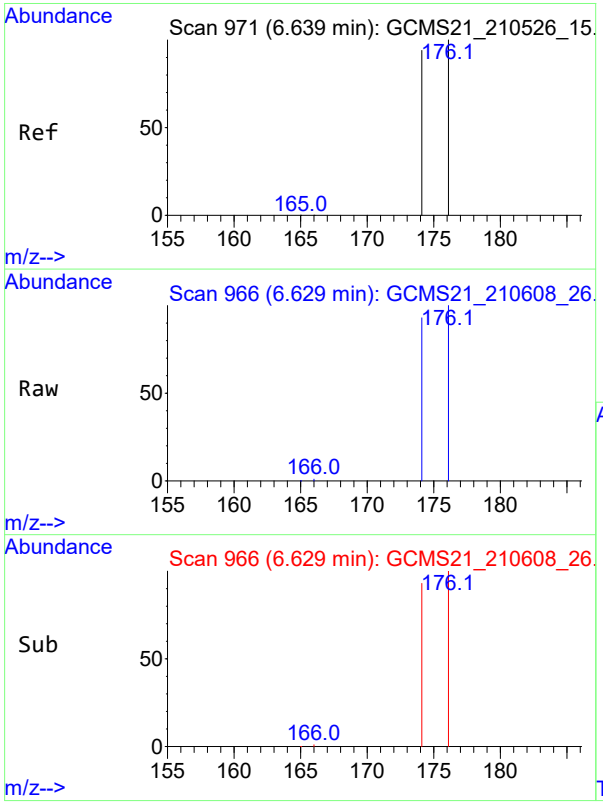


#8
Acenaphthene
Concen: 189.21 ng/mL
RT: 6.106 min Scan# 770
Delta R.T. 0.007 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:153 Resp: 123023

Ion	Ratio	Lower	Upper
153	100		
154	93.5	60.4	120.4
76	17.4	0.0	47.4

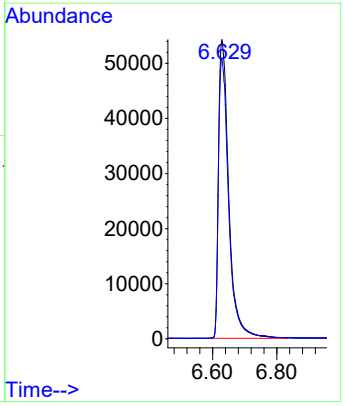


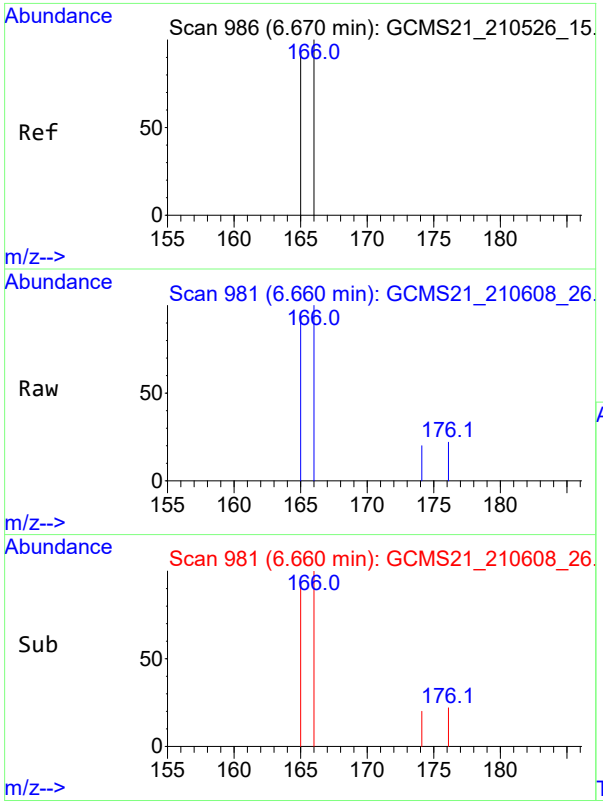


#9
Fluorene-D10
Concen: 197.28 ng/mL
RT: 6.629 min Scan# 966
Delta R.T. 0.018 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:176 Resp: 120875

Ion	Ratio	Lower	Upper
176	100		
174	92.7	63.9	123.9

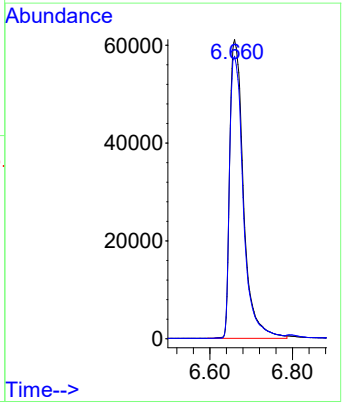


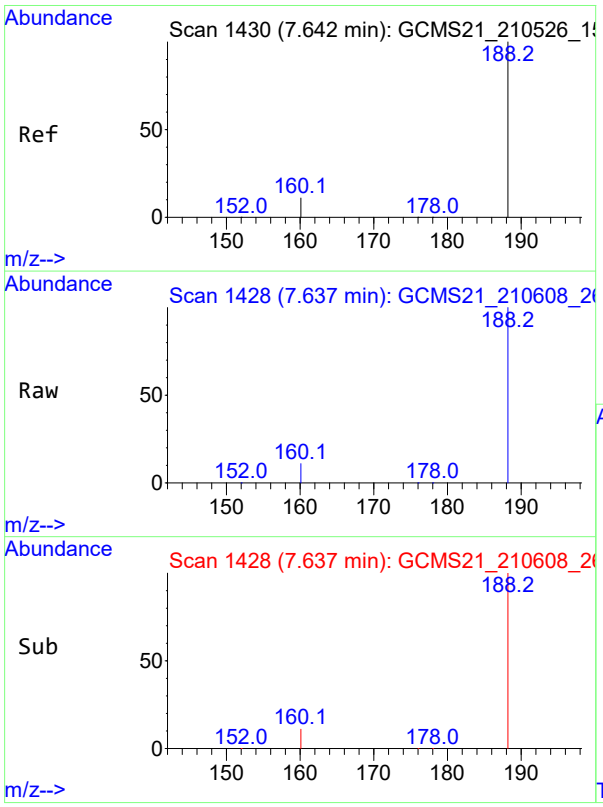


#10
Fluorene
Concen: 195.36 ng/mL
RT: 6.660 min Scan# 981
Delta R.T. 0.018 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:166 Resp: 140599

Ion	Ratio	Lower	Upper
166	100		
165	94.6	65.1	125.1

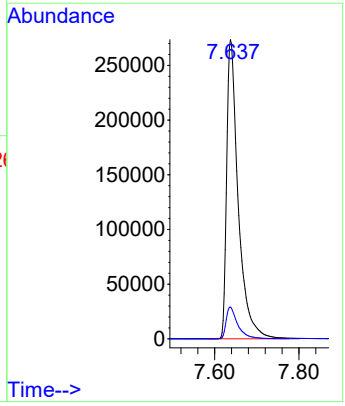


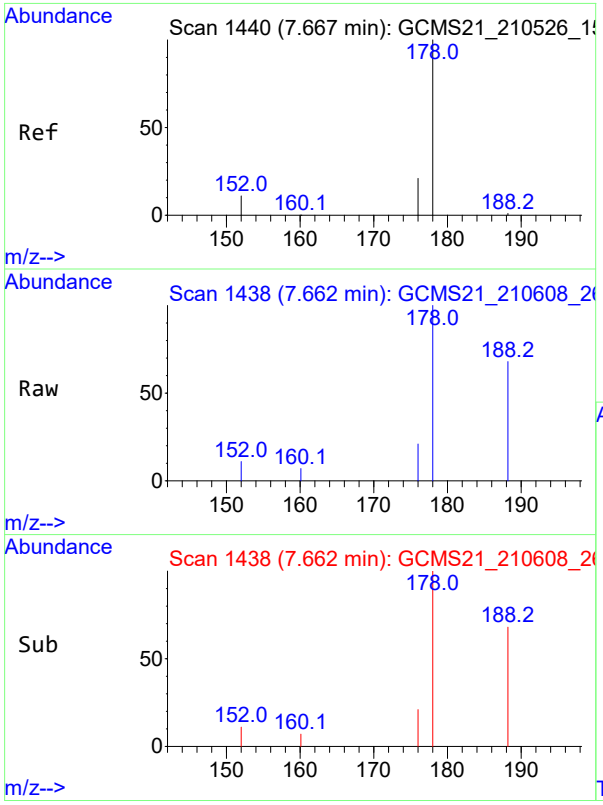


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.637 min Scan# 1428
Delta R.T. 0.022 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:188 Resp: 519559

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	39.8

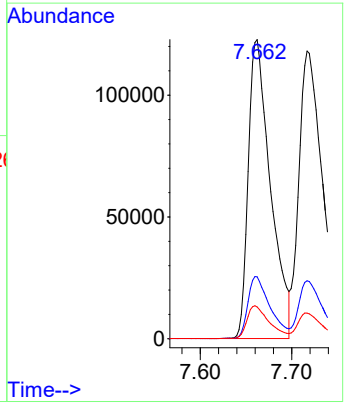


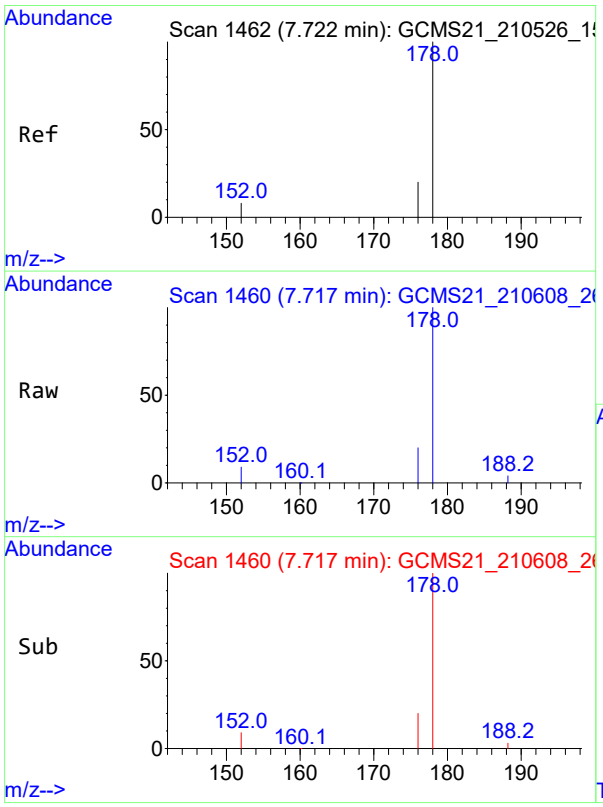


#12
Phenanthrene
Concen: 164.39 ng/mL
RT: 7.662 min Scan# 1438
Delta R.T. 0.025 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:178 Resp: 206138

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	51.1
152	11.0	0.0	40.6

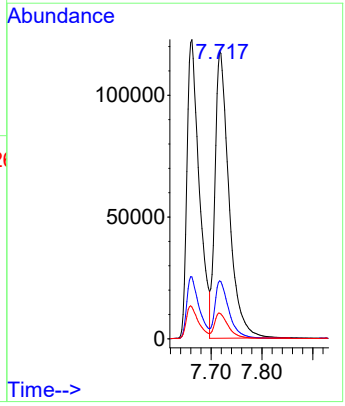


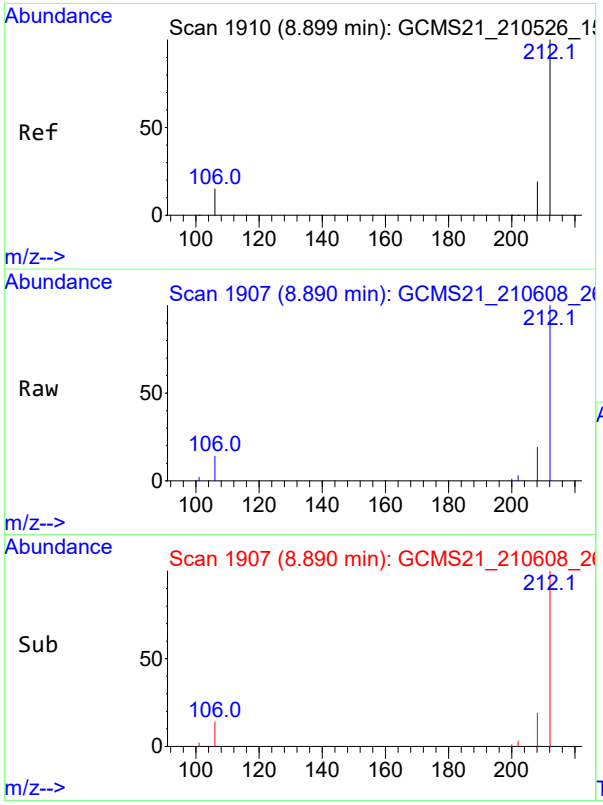


#13
Anthracene
Concen: 216.58 ng/mL
RT: 7.717 min Scan# 1460
Delta R.T. 0.025 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:178 Resp: 225818

Ion	Ratio	Lower	Upper
178	100		
176	20.2	0.0	50.4
152	8.9	0.0	38.3

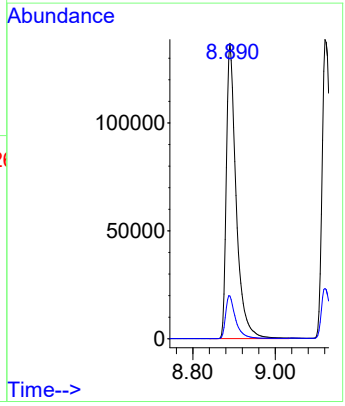


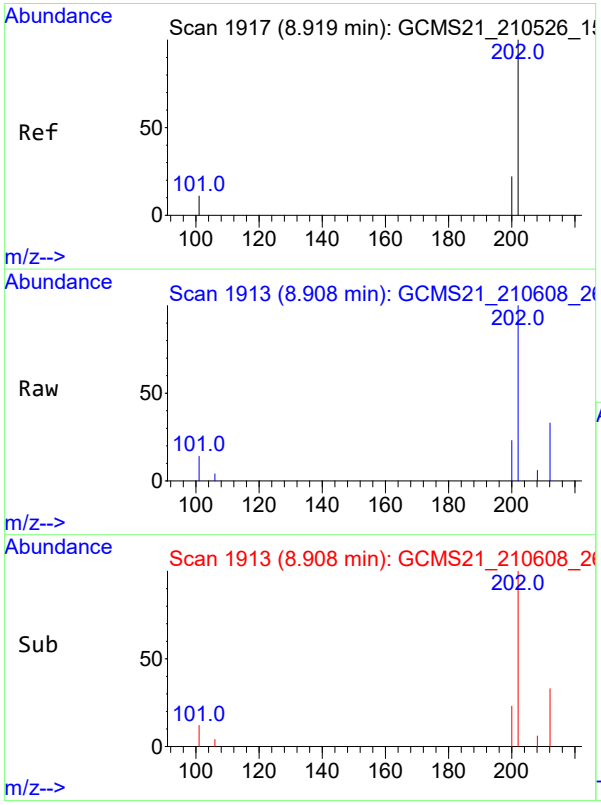


#14
Fluoranthene-D10
Concen: 201.15 ng/mL
RT: 8.890 min Scan# 1907
Delta R.T. 0.023 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:212 Resp: 226299

Ion	Ratio	Lower	Upper
212	100		
106	14.7	0.0	45.3

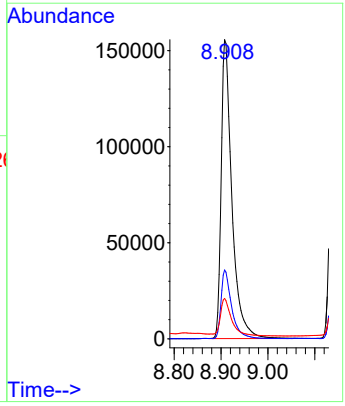


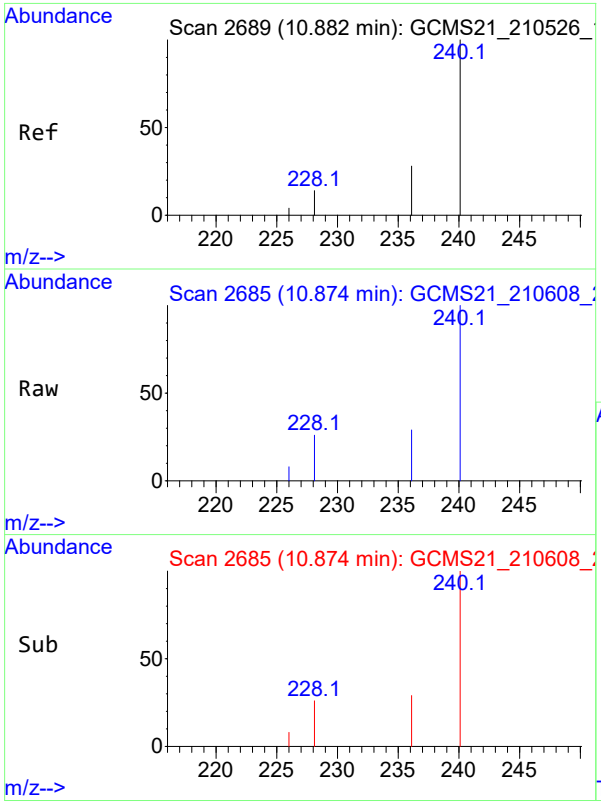


#15
Fluoranthene
Concen: 186.26 ng/mL
RT: 8.908 min Scan# 1913
Delta R.T. 0.020 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:202 Resp: 246496

Ion	Ratio	Lower	Upper
202	100		
200	22.8	0.0	53.2
101	13.1	0.0	41.8

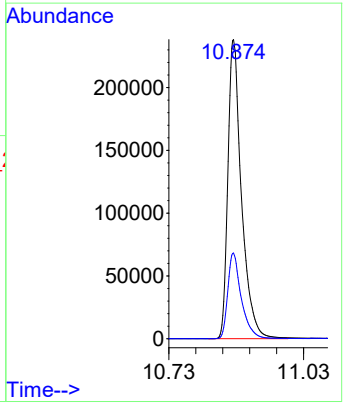


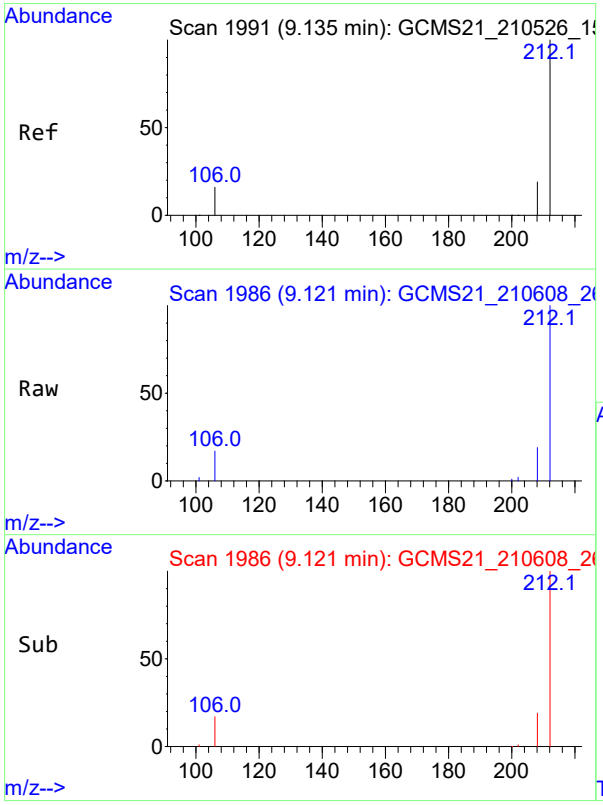


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.874 min Scan# 2685
Delta R.T. 0.037 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:240 Resp: 515215

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

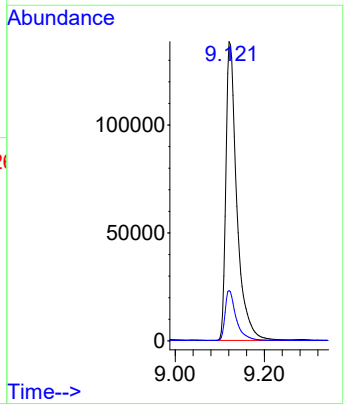


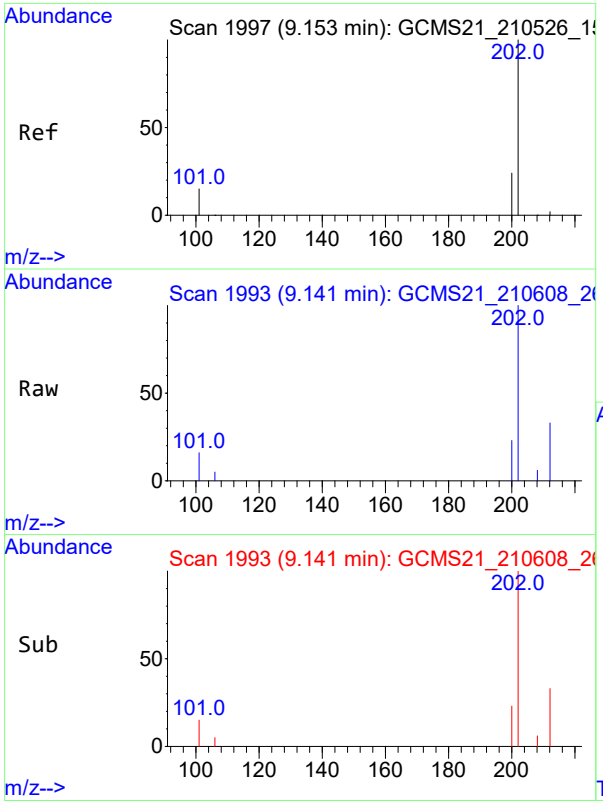


#17
Pyrene-D10
Concen: 200.85 ng/mL
RT: 9.121 min Scan# 1986
Delta R.T. 0.017 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:212 Resp: 236103

Ion	Ratio	Lower	Upper
212	100		
106	16.9	0.0	45.8

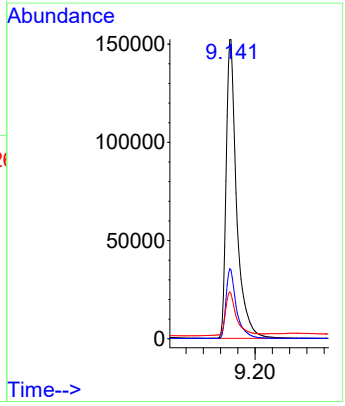


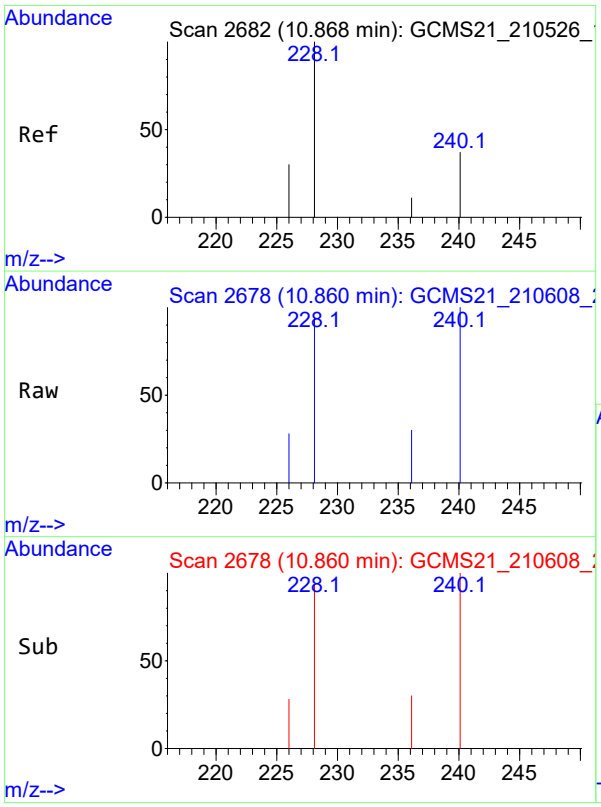


#18
Pyrene
Concen: 186.42 ng/mL
RT: 9.141 min Scan# 1993
Delta R.T. 0.020 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:202 Resp: 255979

Ion	Ratio	Lower	Upper
202	100		
200	23.3	0.0	54.2
101	16.0	0.0	44.6

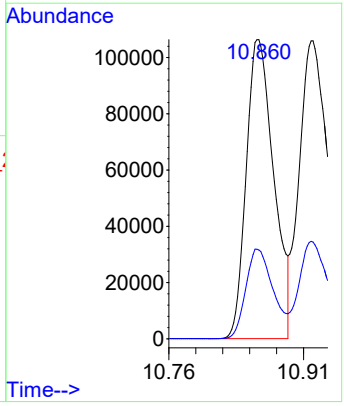


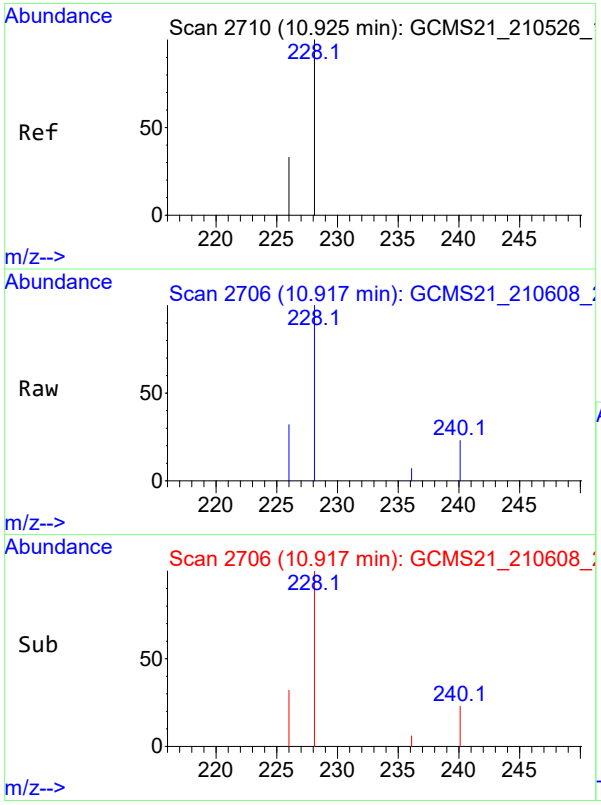


#19
Benzo(a)anthracene
Concen: 207.00 ng/mL
RT: 10.860 min Scan# 2678
Delta R.T. 0.039 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:228 Resp: 214515

Ion	Ratio	Lower	Upper
228	100		
226	29.9	0.0	59.9

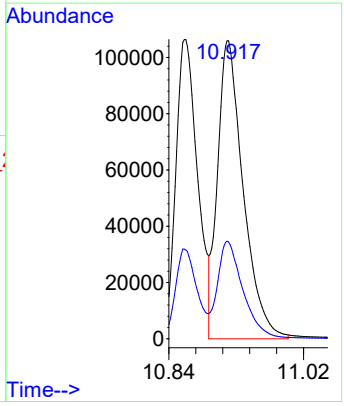


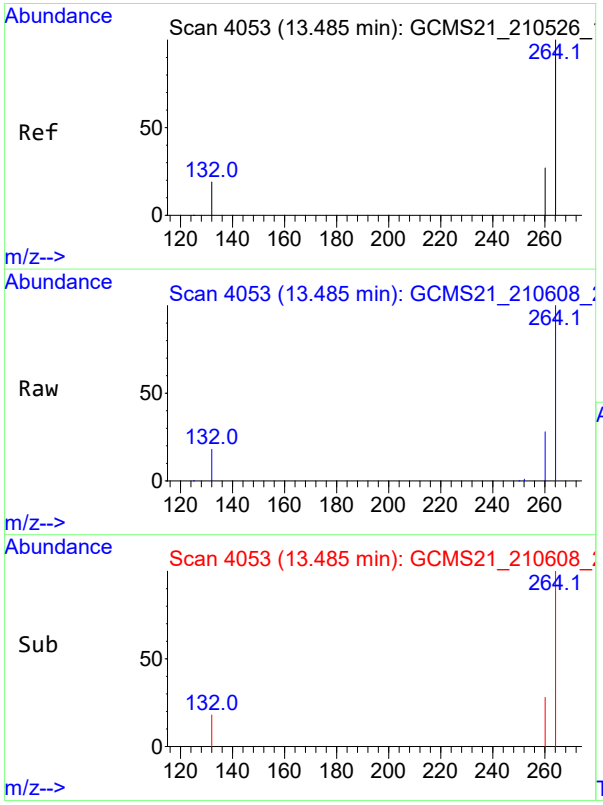


#20
Chrysene
Concen: 197.90 ng/mL m
RT: 10.917 min Scan# 2706
Delta R.T. 0.039 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:228 Resp: 253196

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.8	62.8

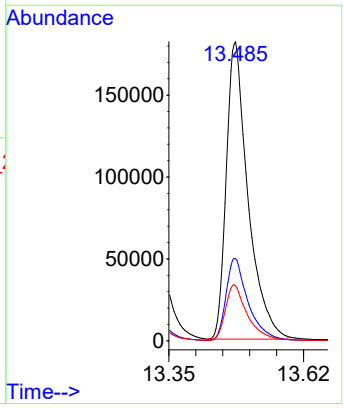


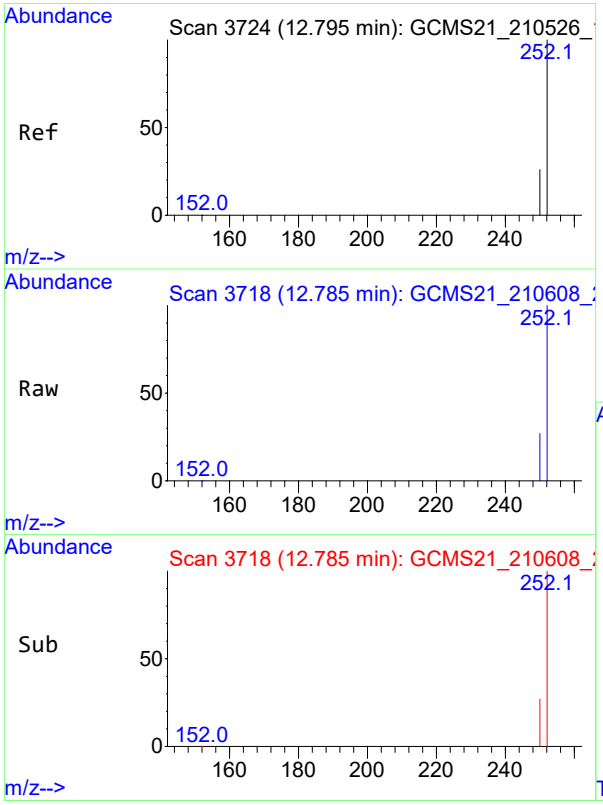


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.056 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:264 Resp: 533807

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.5
132	18.6	0.0	49.5

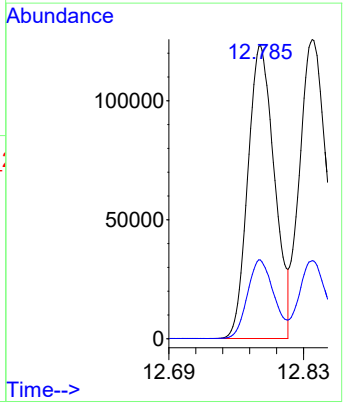


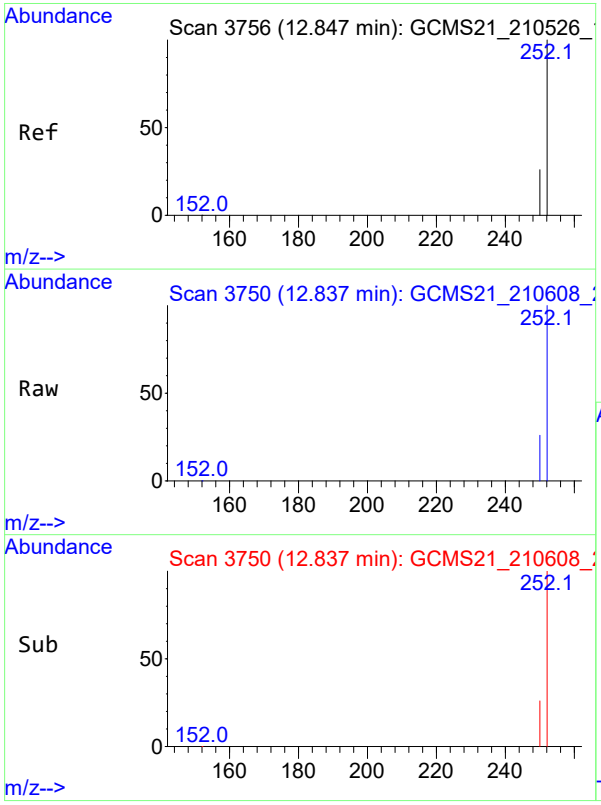


#22
Benzo(b)fluoranthene
Concen: 205.60 ng/mL
RT: 12.785 min Scan# 3718
Delta R.T. 0.044 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 227820

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.2

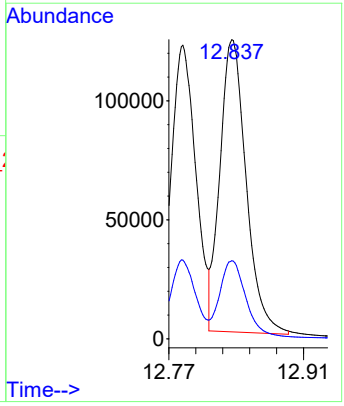


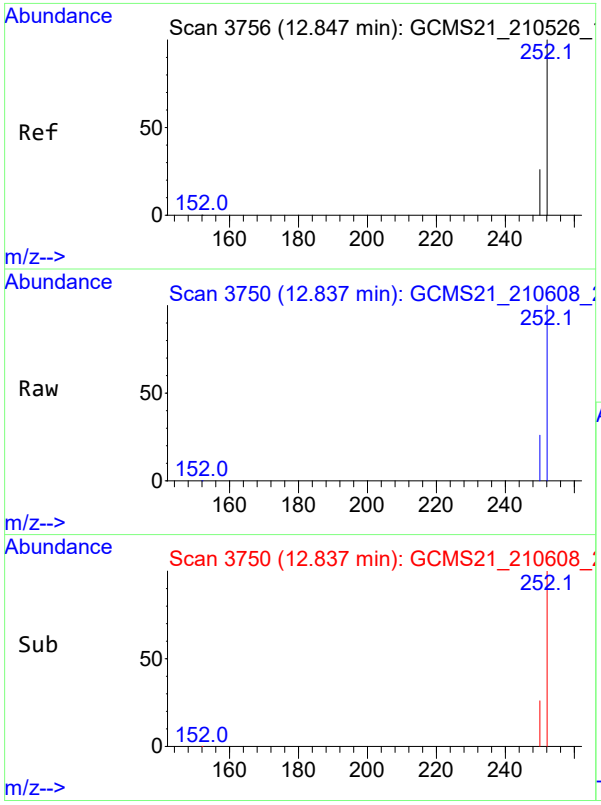


#23
Benzo(k)fluoranthene
Concen: 193.78 ng/mL m
RT: 12.837 min Scan# 3750
Delta R.T. 0.042 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 237964

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	55.6

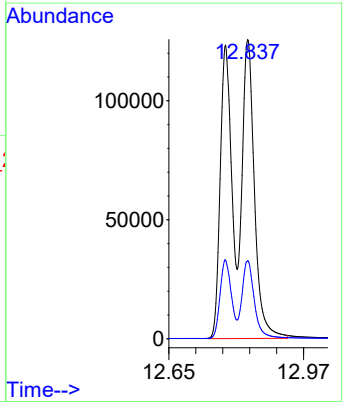


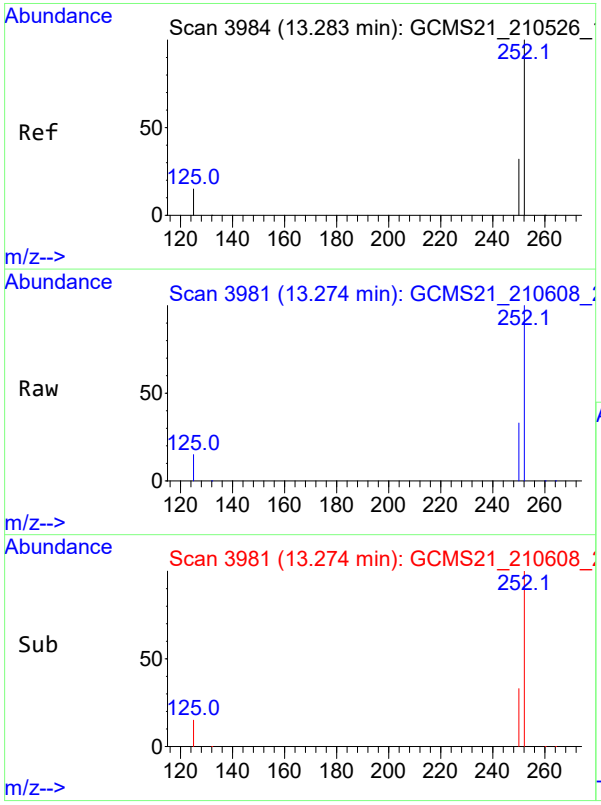


#24
benzo(b+k)fluoranthene (sum)
Concen: 400.77 ng/mL m
RT: 12.837 min Scan# 3750
Delta R.T. 0.042 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 482523

Ion	Ratio	Lower	Upper
252	100		
250	26.0	0.0	55.6

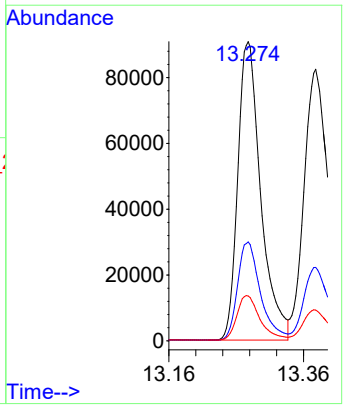


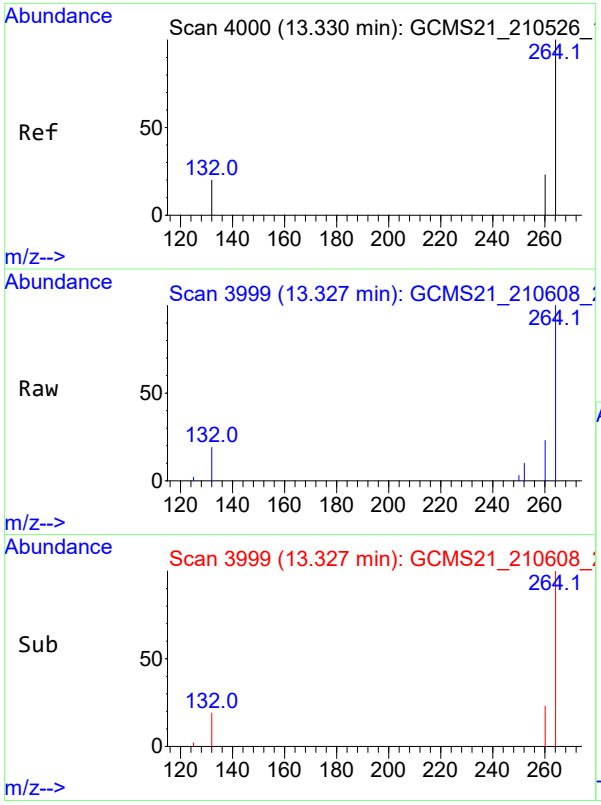


#25
Benzo(e)pyrene
Concen: 190.83 ng/mL
RT: 13.274 min Scan# 3981
Delta R.T. 0.044 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 213267

Ion	Ratio	Lower	Upper
252	100		
250	32.8	2.3	62.3
125	14.9	0.0	46.1

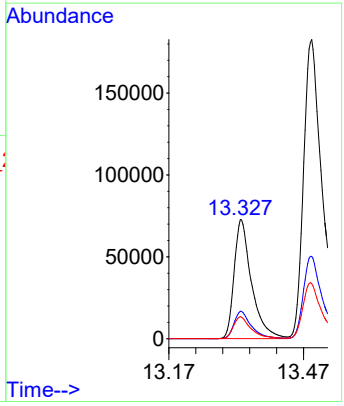


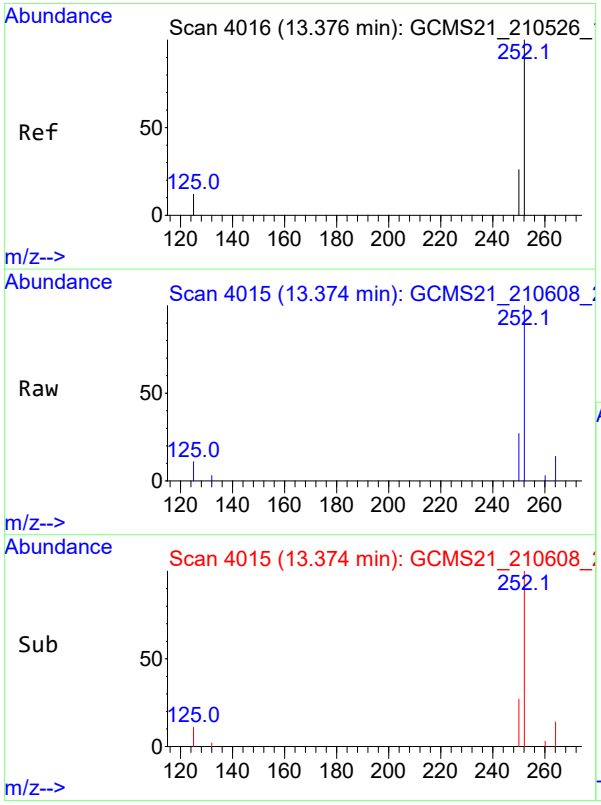


#26
Benzo(a)pyrene-D12
Concen: 223.56 ng/mL
RT: 13.327 min Scan# 3999
Delta R.T. 0.050 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:264 Resp: 193888

Ion	Ratio	Lower	Upper
264	100		
260	22.9	0.0	53.0
132	18.1	0.0	49.8

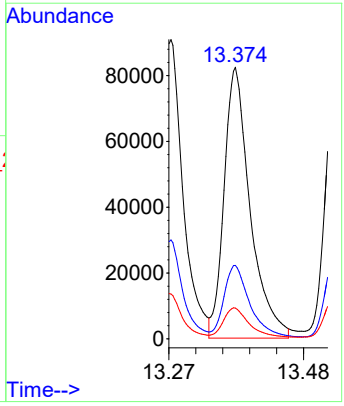


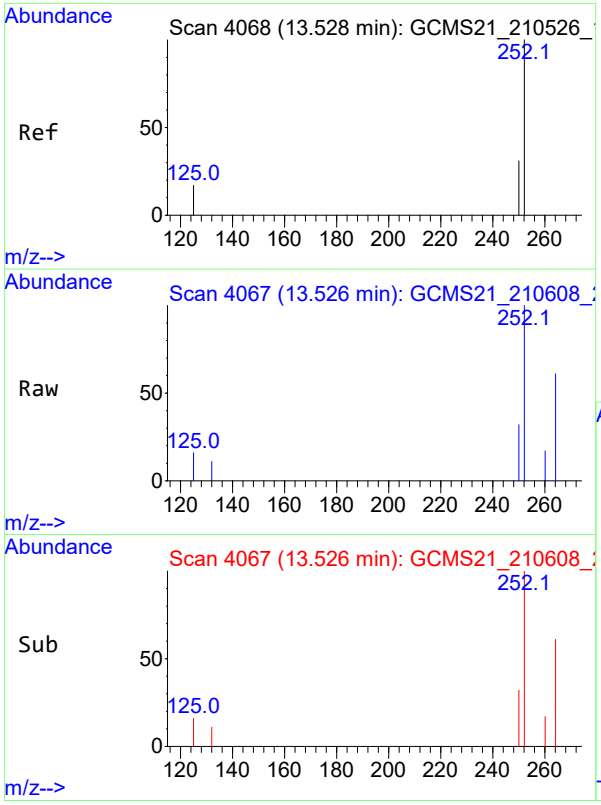


#27
Benzo(a)pyrene
Concen: 227.31 ng/mL m
RT: 13.374 min Scan# 4015
Delta R.T. 0.053 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 229864

Ion	Ratio	Lower	Upper
252	100		
250	26.1	0.0	56.6
125	11.1	0.0	42.1

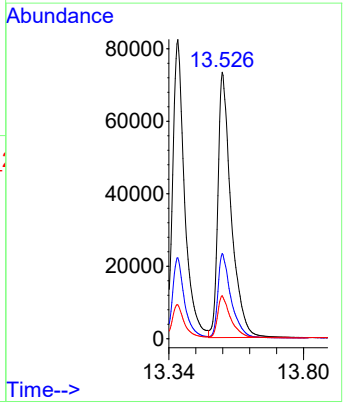


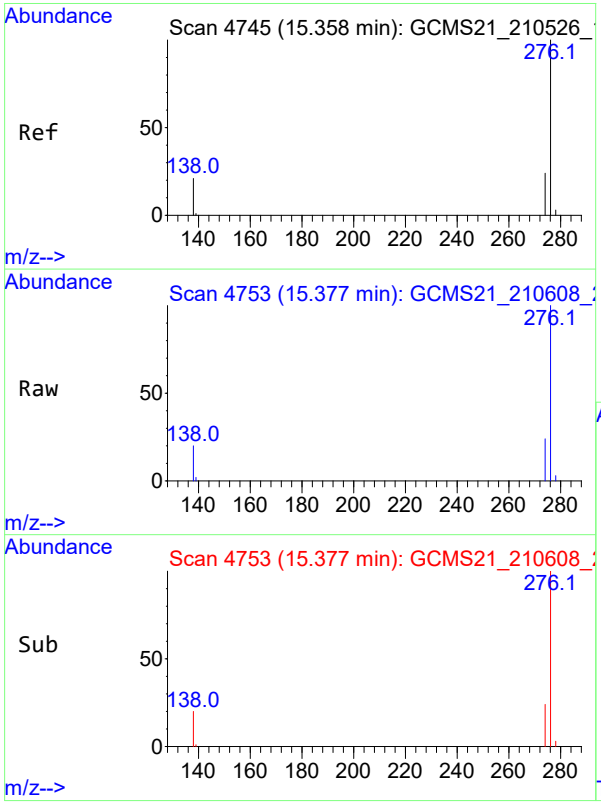


#28
Perylene
Concen: 201.87 ng/mL
RT: 13.526 min Scan# 4067
Delta R.T. 0.050 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 229260

Ion	Ratio	Lower	Upper
252	100		
250	31.4	1.2	61.2
125	15.6	0.0	46.7

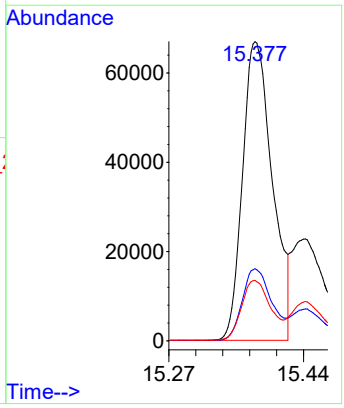


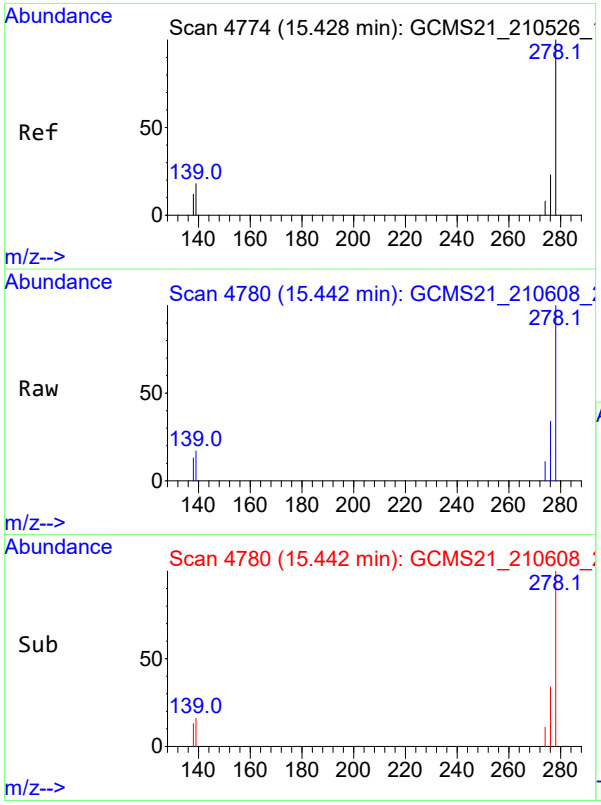


#29
Indeno(1,2,3-cd)pyrene
Concen: 199.46 ng/mL
RT: 15.377 min Scan# 4753
Delta R.T. 0.077 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:276 Resp: 172604

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.4
138	19.6	0.0	51.2

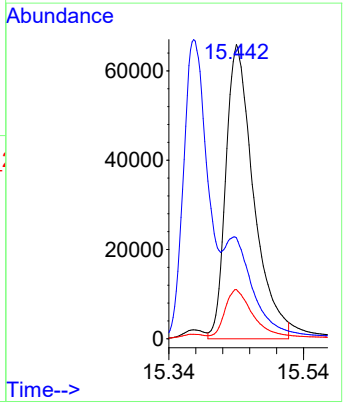


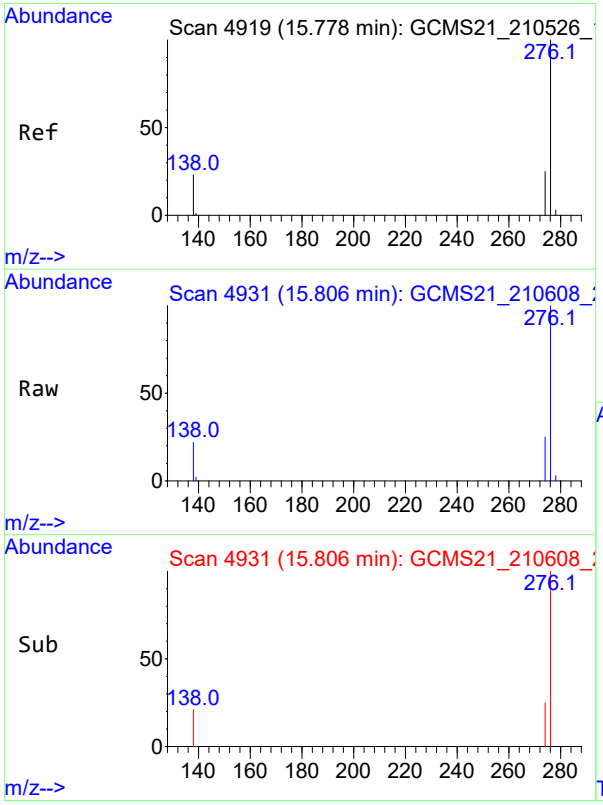


#30
Dibenz(a,h)anthracene
Concen: 224.08 ng/mL m
RT: 15.442 min Scan# 4780
Delta R.T. 0.070 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:278 Resp: 193255

Ion	Ratio	Lower	Upper
278	100		
276	37.2	0.0	58.4
139	15.9	0.0	47.7

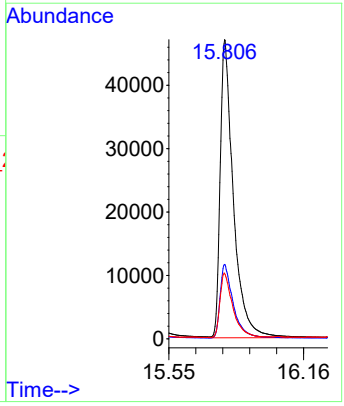




#31
Benzo(g,h,i)perylene
Concen: 173.02 ng/mL m
RT: 15.806 min Scan# 4931
Delta R.T. 0.082 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:276 Resp: 194533

Ion	Ratio	Lower	Upper
276	100		
274	23.8	0.0	54.3
138	21.1	0.0	53.0



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_26.D
Acq On : 08 Jun 2021 19:07
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 10:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

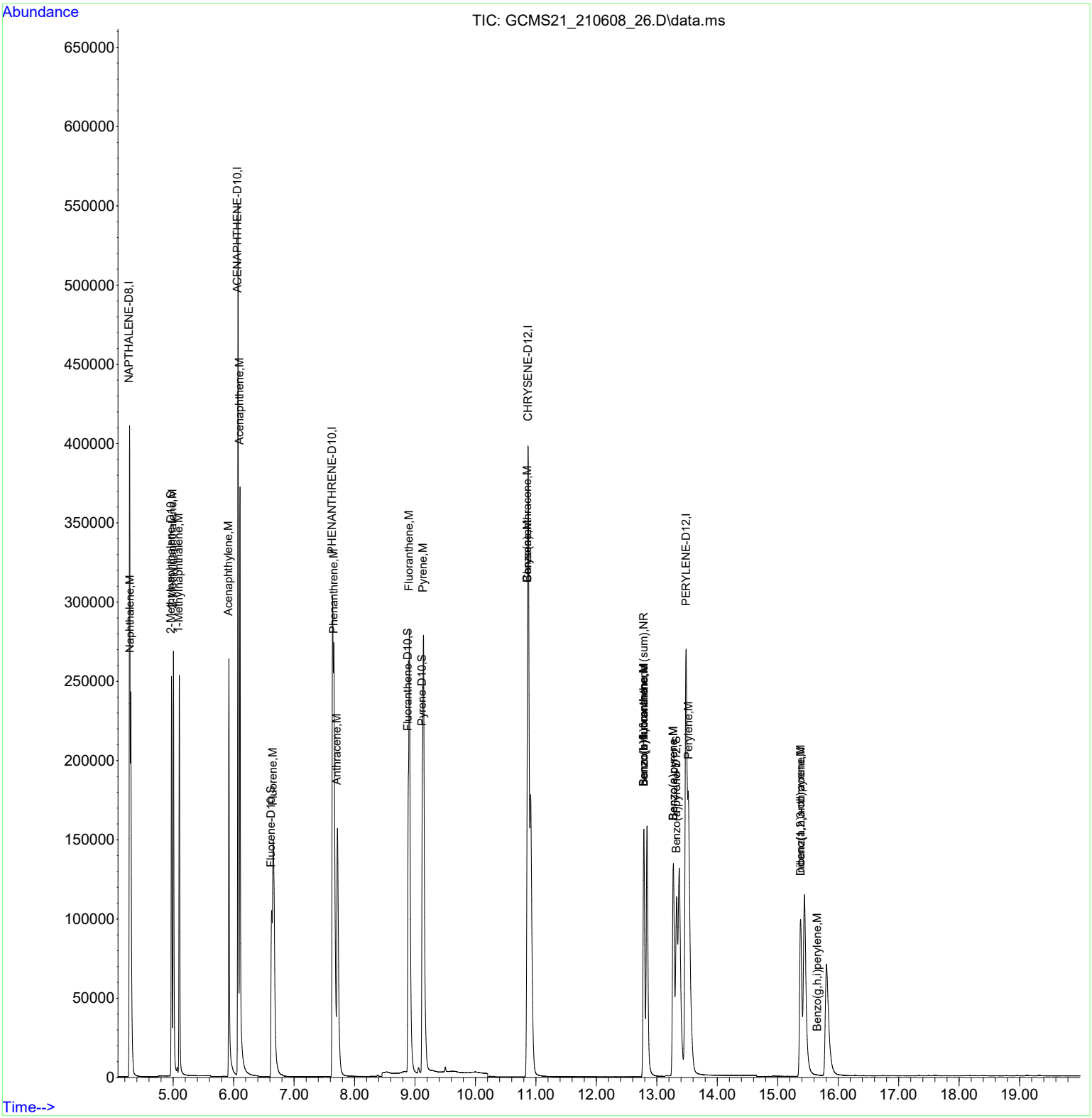
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.280	136	441906	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.073	164	255921	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.637	188	519559	500.00	ng/mL	0.02
16) CHRYSENE-D12	10.874	240	515215	500.00	ng/mL	0.04
21) PERYLENE-D12	13.485	264	533807	500.00	ng/mL	0.06
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.972	152	112075	201.51	ng/mL	0.00
9) Fluorene-D10	6.629	176	120875	197.28	ng/mL	0.02
14) Fluoranthene-D10	8.890	212	226299	201.15	ng/mL	0.02
17) Pyrene-D10	9.121	212	236103	200.85	ng/mL	0.02
26) Benzo(a)pyrene-D12	13.327	264	193888	223.56	ng/mL	0.05
Target Compounds						Qvalue
2) Naphthalene	4.300	128	171746	202.56	ng/mL	100
4) 2-Methylnaphthalene	5.004	142	117510	188.18	ng/mL	99
5) 1-Methylnaphthalene	5.103	142	104145	200.23	ng/mL	99
7) Acenaphthylene	5.922	152	180760	212.81	ng/mL	99
8) Acenaphthene	6.106	153	123023	189.21	ng/mL	97
10) Fluorene	6.660	166	140599	195.36	ng/mL	99
12) Phenanthrene	7.662	178	206138	164.39	ng/mL	99
13) Anthracene	7.717	178	225818	216.58	ng/mL	99
15) Fluoranthene	8.908	202	246496	186.26	ng/mL	98
18) Pyrene	9.141	202	255979	186.42	ng/mL	98
19) Benzo(a)anthracene	10.860	228	214515	207.00	ng/mL	100
20) Chrysene	10.860	228	214515	167.67	ng/mL	95
22) Benzo(b)fluoranthene	12.785	252	227820	205.60	ng/mL	99
23) Benzo(k)fluoranthene	12.785	252	227820	185.52	ng/mL	97
24) benzo(b+k)fluoranthene...	12.785	252	227820	189.22	ng/mL	97
25) Benzo(e)pyrene	13.274	252	213267	190.83	ng/mL	98
27) Benzo(a)pyrene	13.274	252	213267	210.89	ng/mL	89
28) Perylene	13.526	252	229260	201.87	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.377	276	172604	199.46	ng/mL	98
30) Dibenz(a,h)anthracene	15.377	278	4118	4.77	ng/mL#	1
31) Benzo(g,h,i)perylene	15.652	276	116	0.10	ng/mL#	52

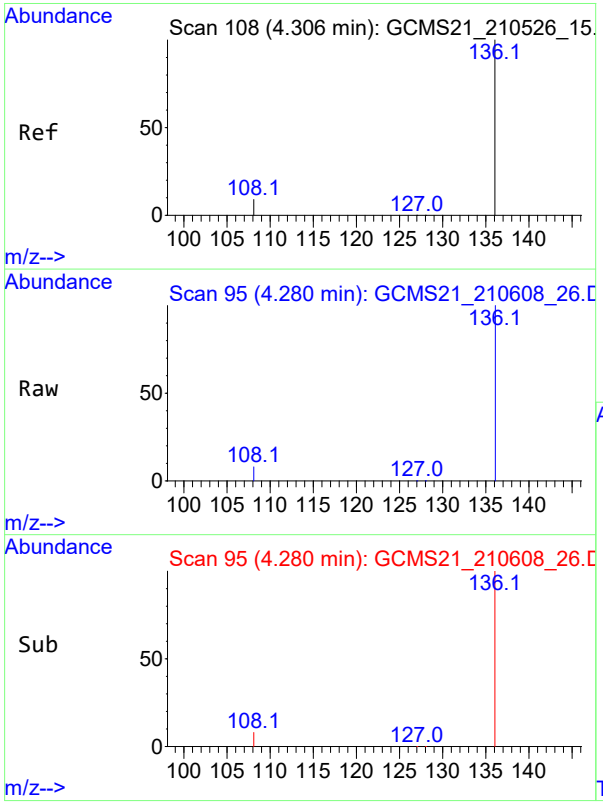
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_26.D
Acq On : 08 Jun 2021 19:07
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 10:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

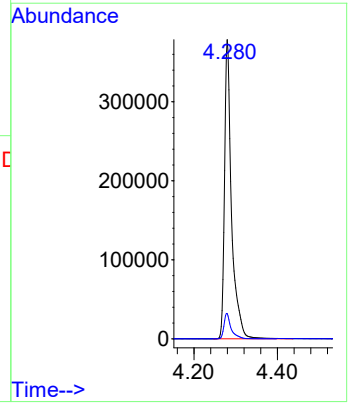


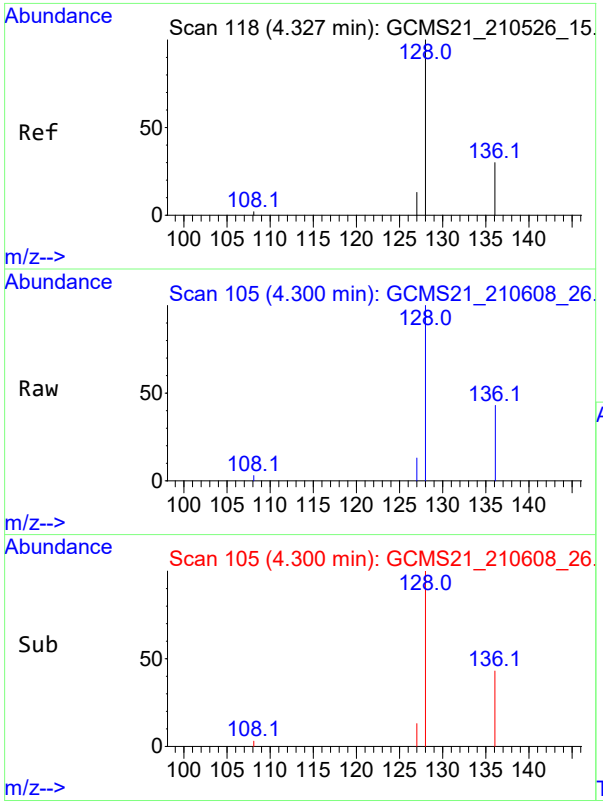


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.280 min Scan# 95
Delta R.T. 0.004 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:136 Resp: 441906

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

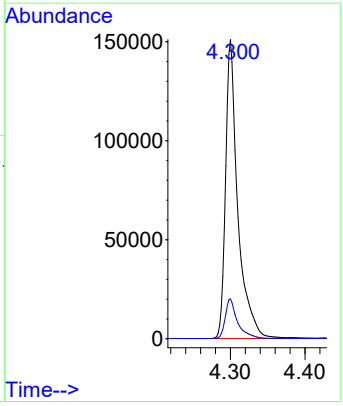


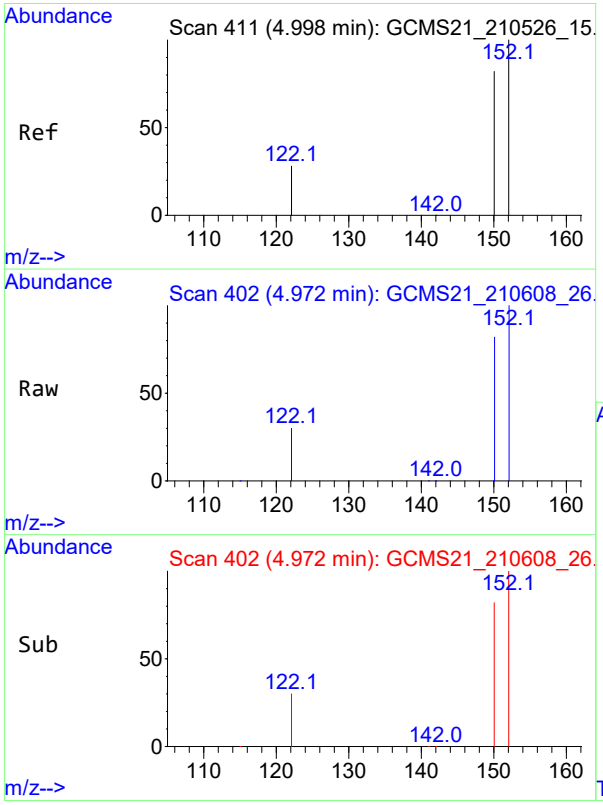


#2
Naphthalene
Concen: 202.56 ng/mL
RT: 4.300 min Scan# 105
Delta R.T. 0.004 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:128 Resp: 171746

Ion	Ratio	Lower	Upper
128	100		
127	13.3	0.0	43.3

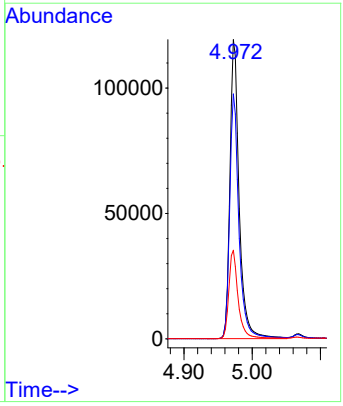


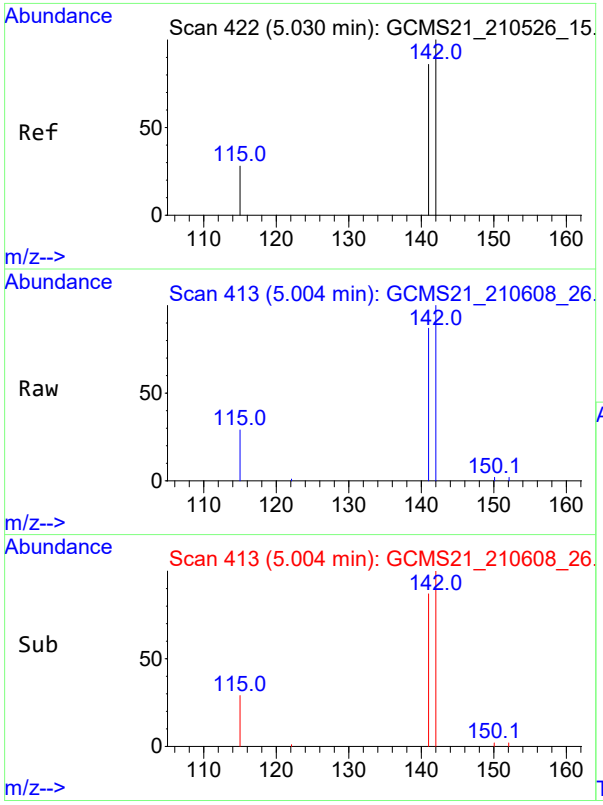


#3
2-Methylnaphthalene-D10
Concen: 201.51 ng/mL
RT: 4.972 min Scan# 402
Delta R.T. 0.003 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:152 Resp: 112075

Ion	Ratio	Lower	Upper
152	100		
150	81.9	52.3	112.3
122	29.8	0.0	57.5

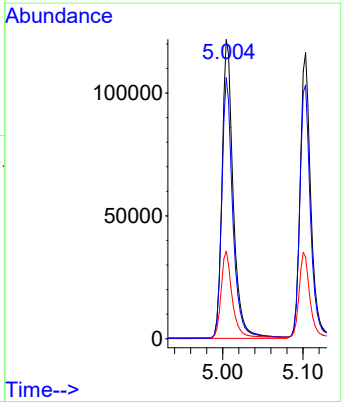


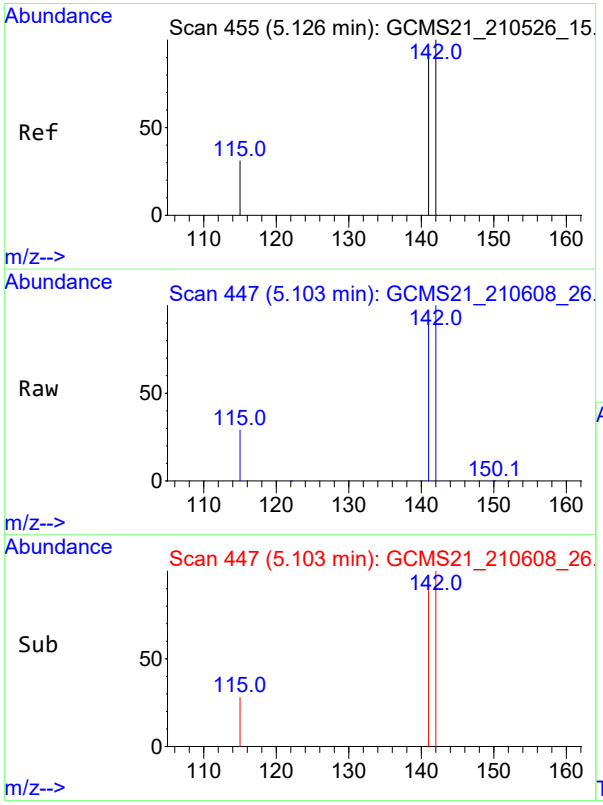


#4
2-Methylnaphthalene
Concen: 188.18 ng/mL
RT: 5.004 min Scan# 413
Delta R.T. 0.003 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:142 Resp: 117510

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.3	116.3
115	28.5	0.0	57.4

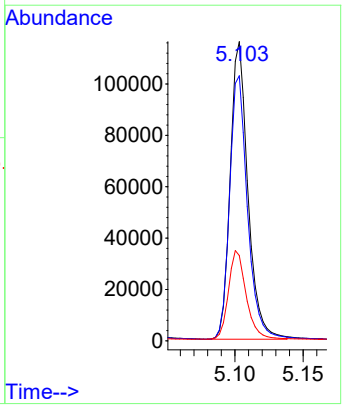


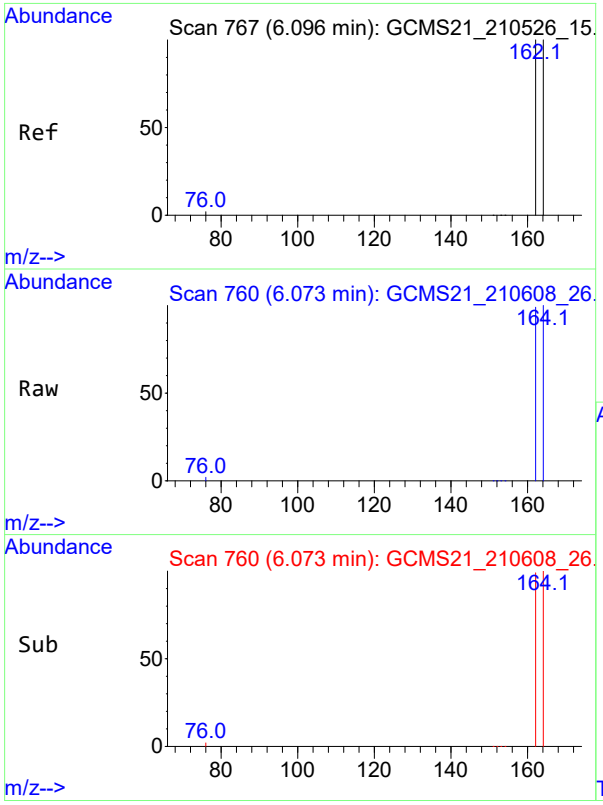


#5
1-Methylnaphthalene
Concen: 200.23 ng/mL
RT: 5.103 min Scan# 447
Delta R.T. 0.006 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:142 Resp: 104145

Ion	Ratio	Lower	Upper
142	100		
141	89.8	61.5	121.5
115	30.0	0.2	60.2

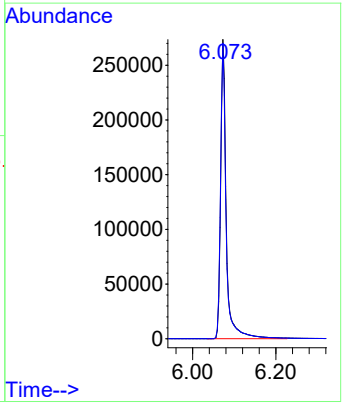


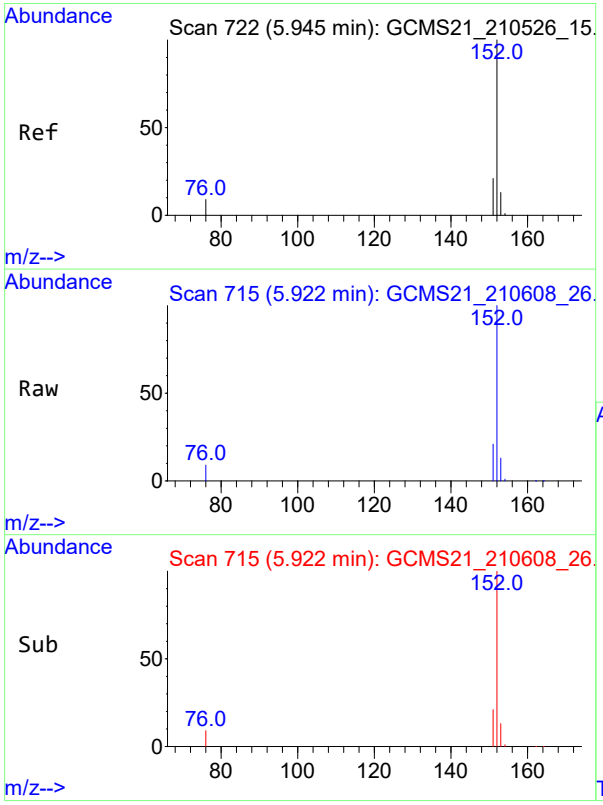


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.073 min Scan# 760
Delta R.T. 0.003 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:164 Resp: 255921

Ion	Ratio	Lower	Upper
164	100		
162	98.7	77.7	117.7

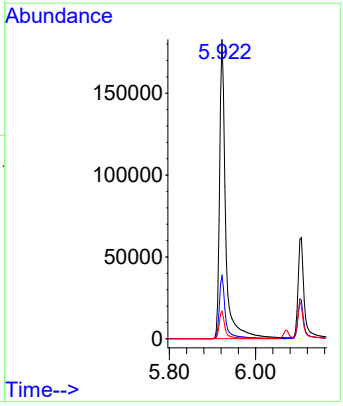


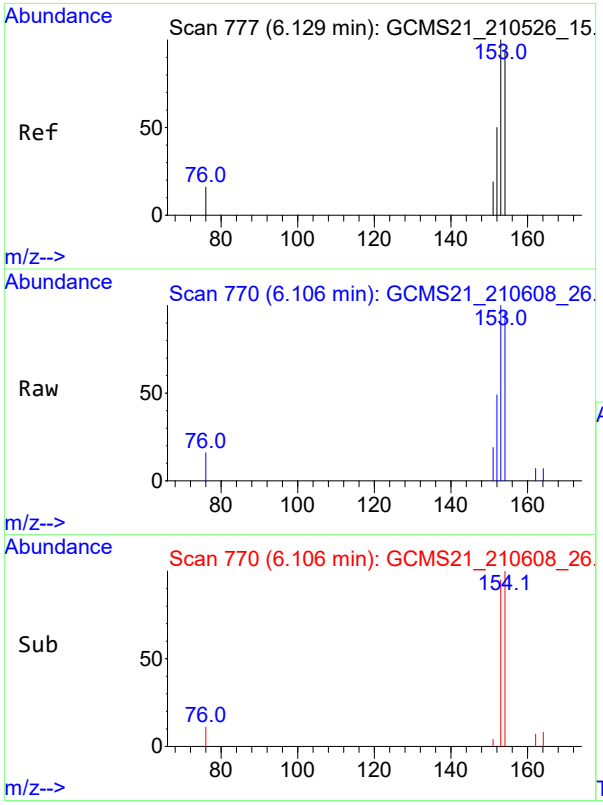


#7
Acenaphthylene
Concen: 212.81 ng/mL
RT: 5.922 min Scan# 715
Delta R.T. 0.007 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:152 Resp: 180760

Ion	Ratio	Lower	Upper
152	100		
151	21.3	0.0	52.0
76	9.2	0.0	39.5

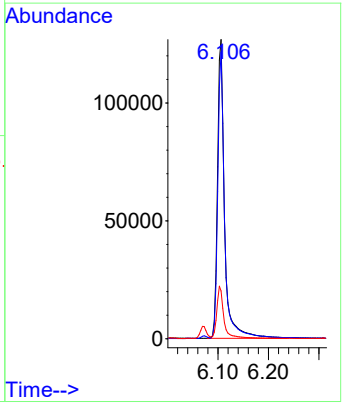


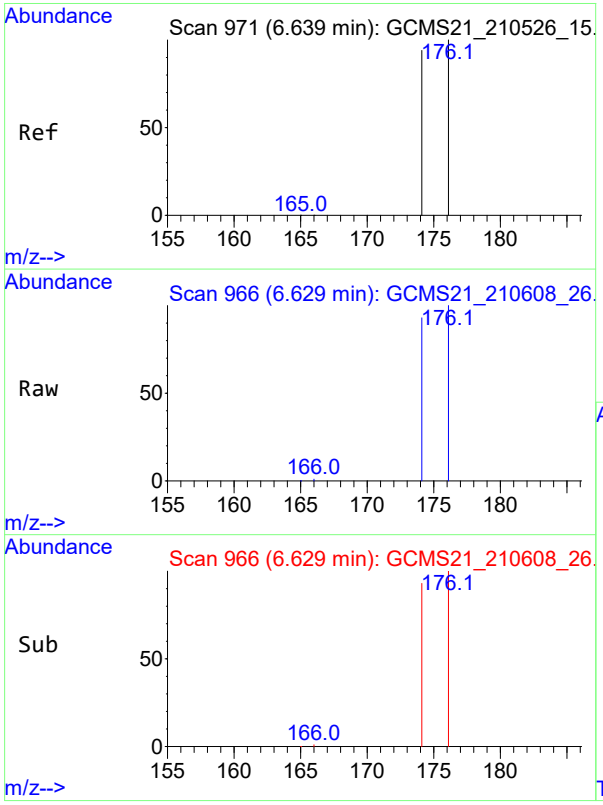


#8
Acenaphthene
Concen: 189.21 ng/mL
RT: 6.106 min Scan# 770
Delta R.T. 0.007 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:153 Resp: 123023

Ion	Ratio	Lower	Upper
153	100		
154	93.5	60.4	120.4
76	17.4	0.0	47.4

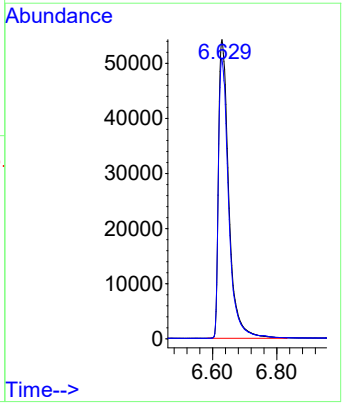


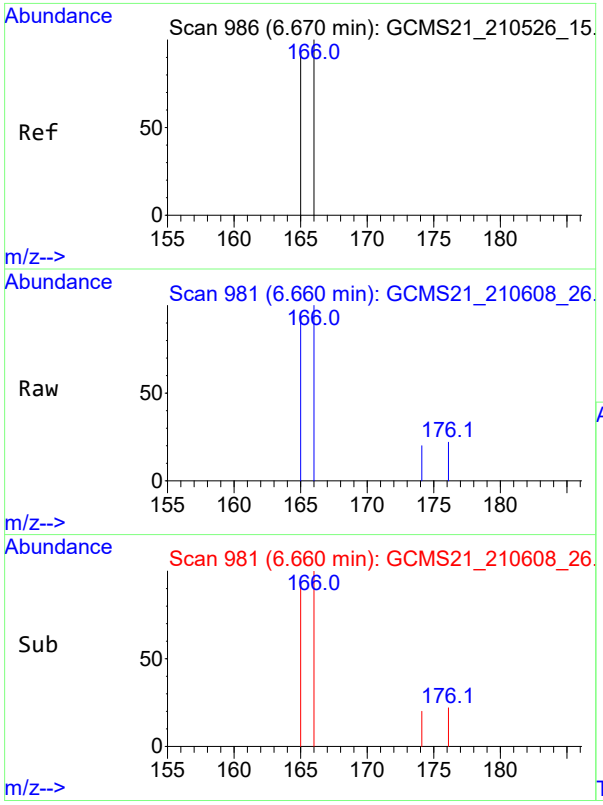


#9
Fluorene-D10
Concen: 197.28 ng/mL
RT: 6.629 min Scan# 966
Delta R.T. 0.018 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:176 Resp: 120875

Ion	Ratio	Lower	Upper
176	100		
174	92.7	63.9	123.9

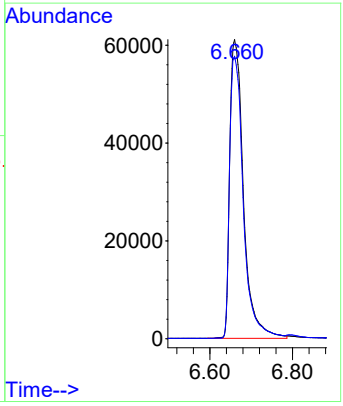


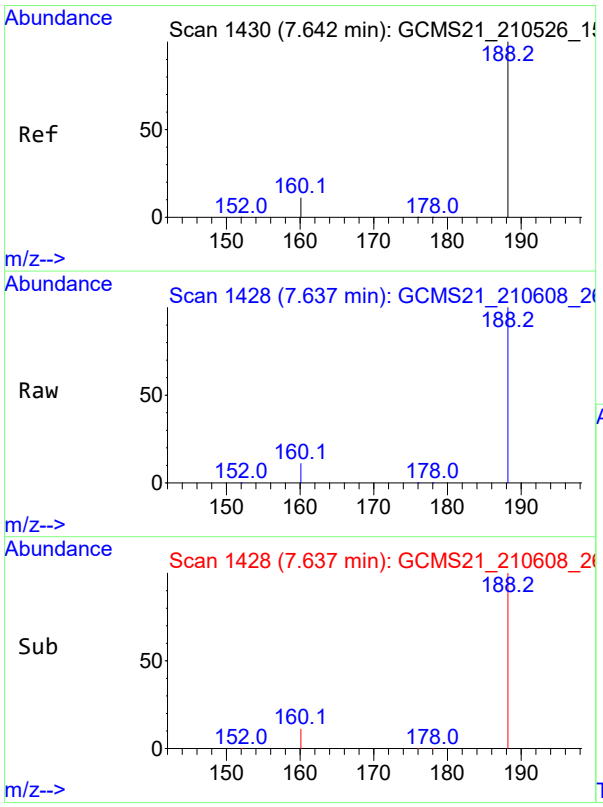


#10
Fluorene
Concen: 195.36 ng/mL
RT: 6.660 min Scan# 981
Delta R.T. 0.018 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:166 Resp: 140599

Ion	Ratio	Lower	Upper
166	100		
165	94.6	65.1	125.1

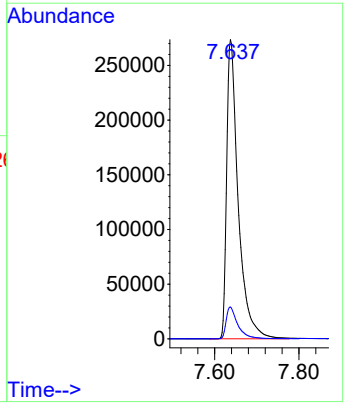


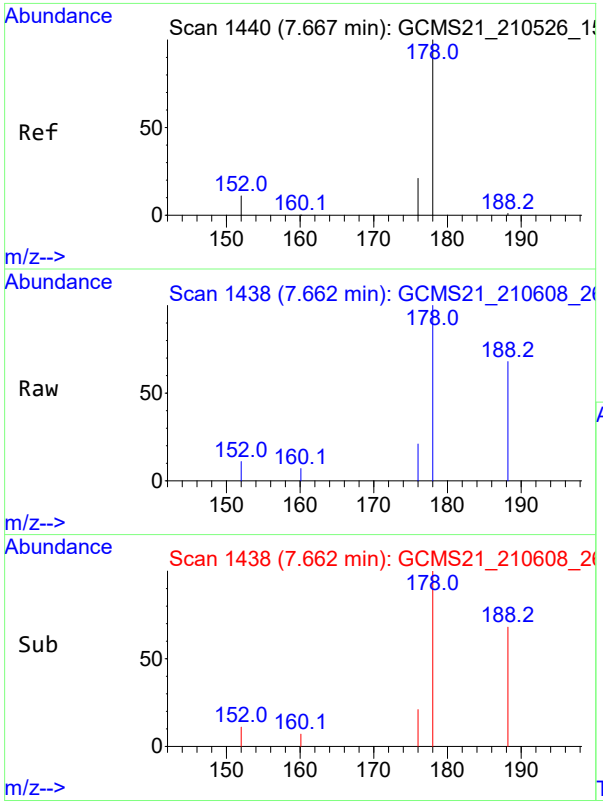


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.637 min Scan# 1428
Delta R.T. 0.022 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:188 Resp: 519559

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	39.8

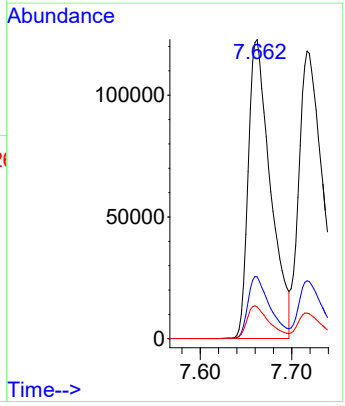


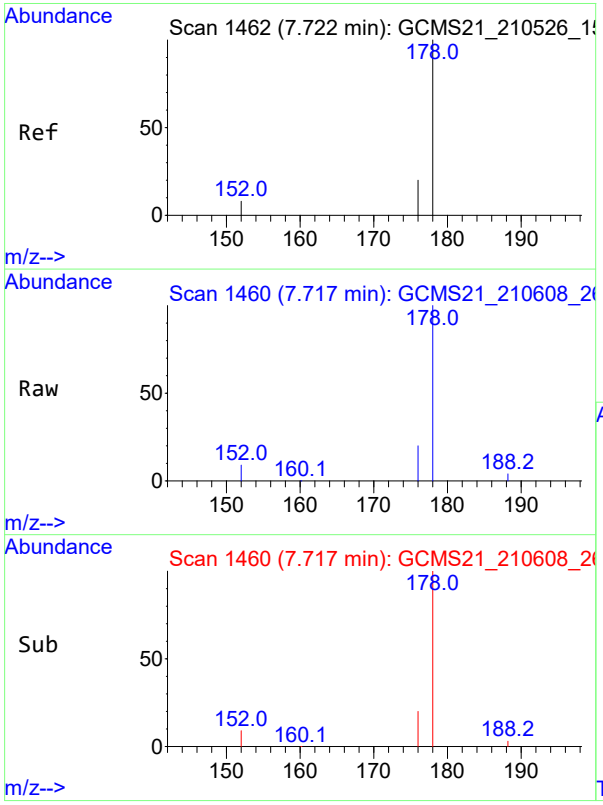


#12
Phenanthrene
Concen: 164.39 ng/mL
RT: 7.662 min Scan# 1438
Delta R.T. 0.025 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:178 Resp: 206138

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	51.1
152	11.0	0.0	40.6

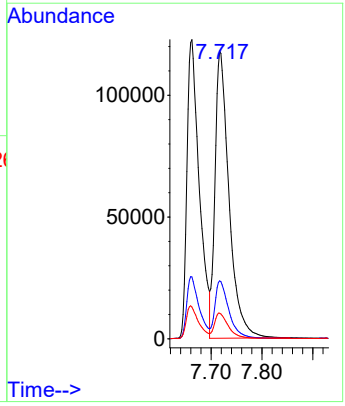


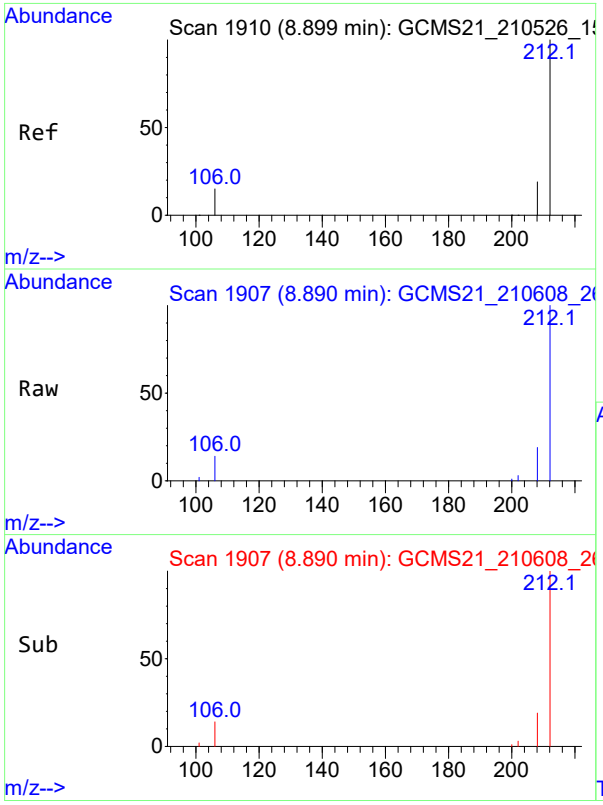


#13
Anthracene
Concen: 216.58 ng/mL
RT: 7.717 min Scan# 1460
Delta R.T. 0.025 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:178 Resp: 225818

Ion	Ratio	Lower	Upper
178	100		
176	20.2	0.0	50.4
152	8.9	0.0	38.3

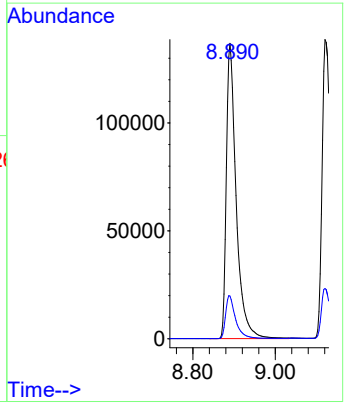


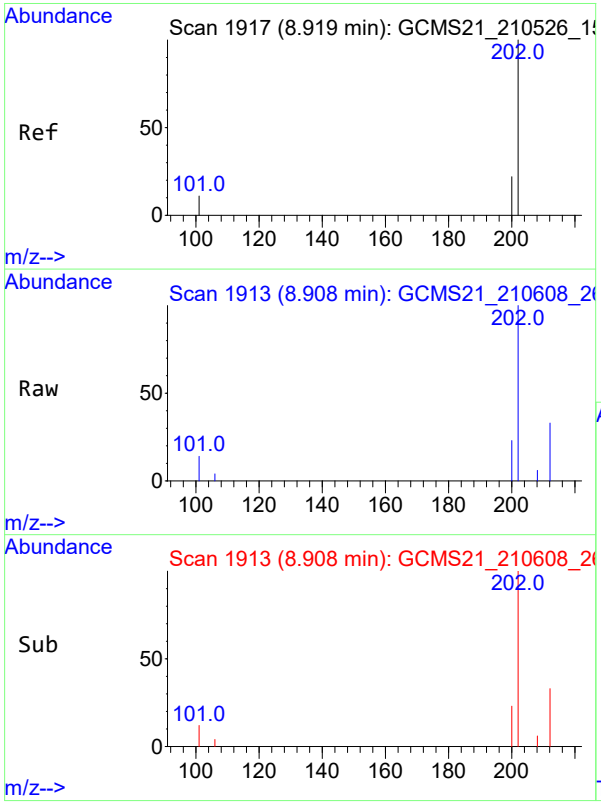


#14
Fluoranthene-D10
Concen: 201.15 ng/mL
RT: 8.890 min Scan# 1907
Delta R.T. 0.023 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:212 Resp: 226299

Ion	Ratio	Lower	Upper
212	100		
106	14.7	0.0	45.3

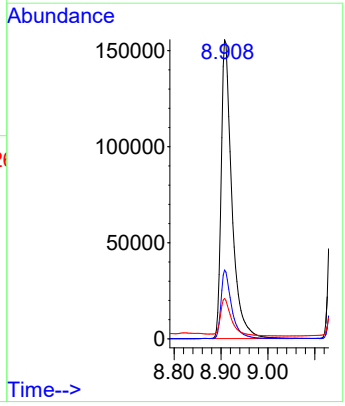


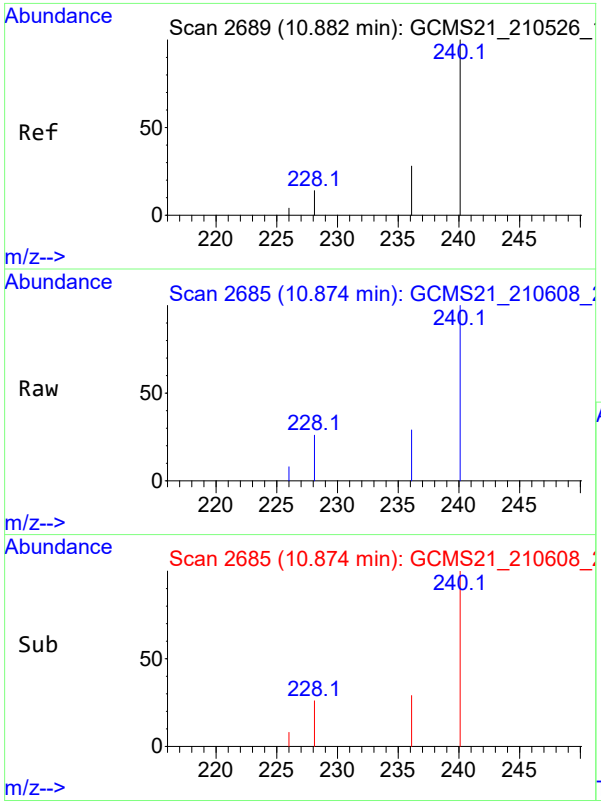


#15
Fluoranthene
Concen: 186.26 ng/mL
RT: 8.908 min Scan# 1913
Delta R.T. 0.020 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:202 Resp: 246496

Ion	Ratio	Lower	Upper
202	100		
200	22.8	0.0	53.2
101	13.1	0.0	41.8

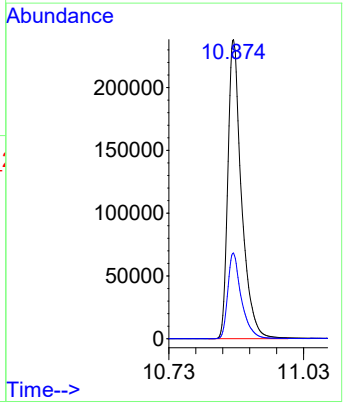


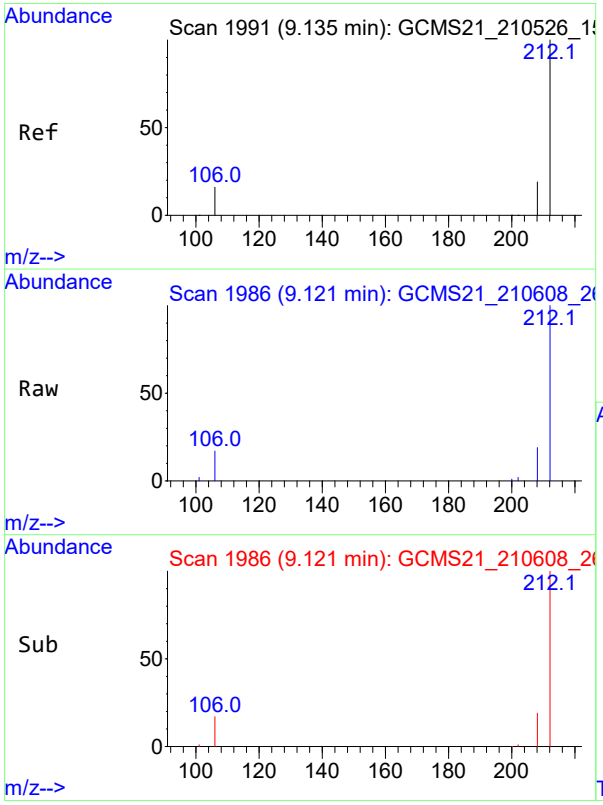


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.874 min Scan# 2685
Delta R.T. 0.037 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:240 Resp: 515215

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

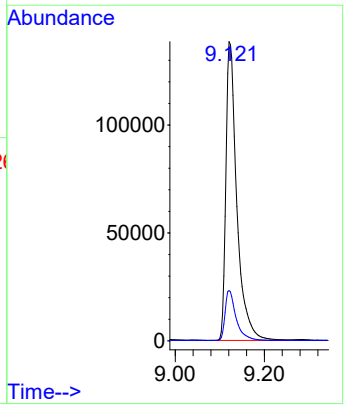


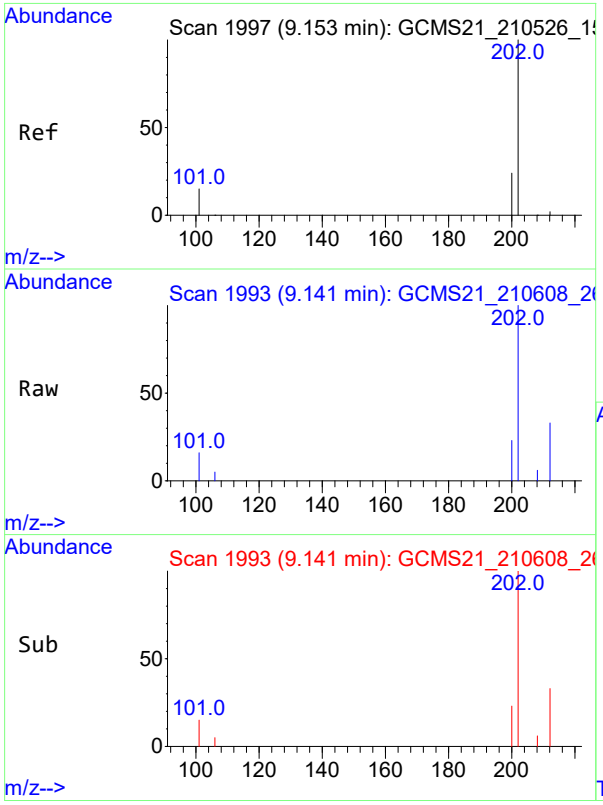


#17
Pyrene-D10
Concen: 200.85 ng/mL
RT: 9.121 min Scan# 1986
Delta R.T. 0.017 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:212 Resp: 236103

Ion	Ratio	Lower	Upper
212	100		
106	16.9	0.0	45.8

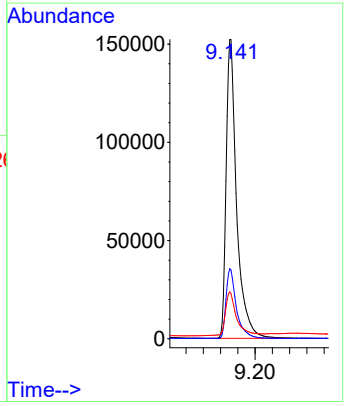


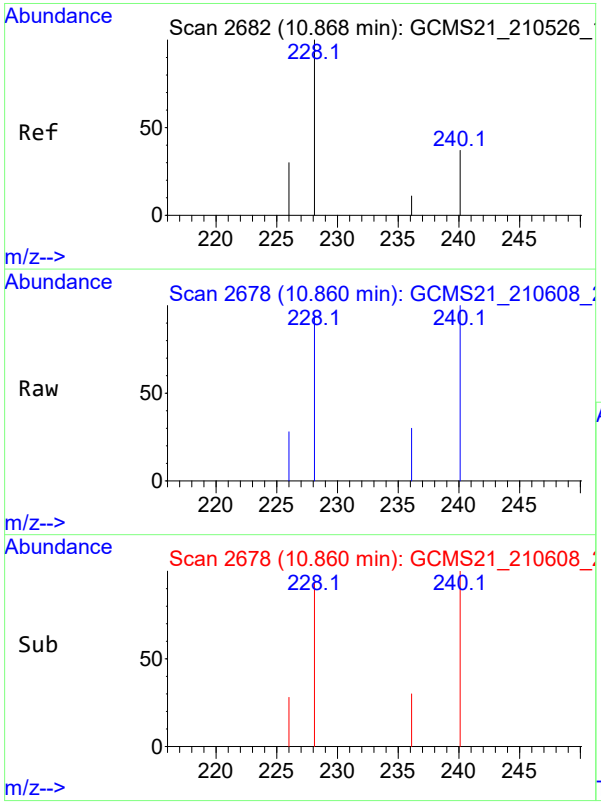


#18
Pyrene
Concen: 186.42 ng/mL
RT: 9.141 min Scan# 1993
Delta R.T. 0.020 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:202 Resp: 255979

Ion	Ratio	Lower	Upper
202	100		
200	23.3	0.0	54.2
101	16.0	0.0	44.6

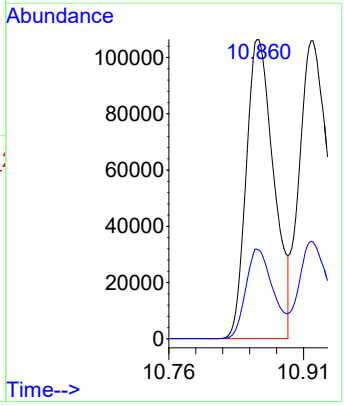


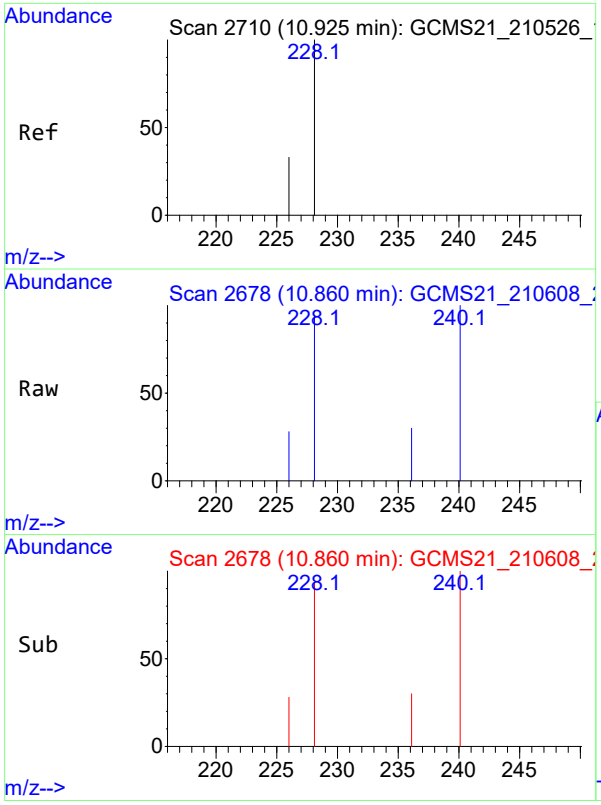


#19
Benzo(a)anthracene
Concen: 207.00 ng/mL
RT: 10.860 min Scan# 2678
Delta R.T. 0.039 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:228 Resp: 214515

Ion	Ratio	Lower	Upper
228	100		
226	29.9	0.0	59.9

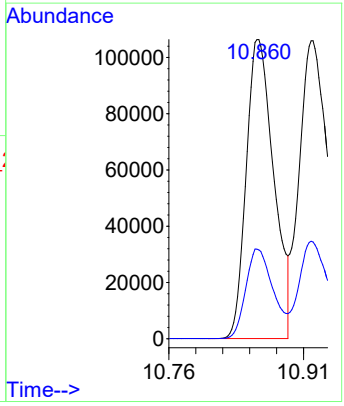


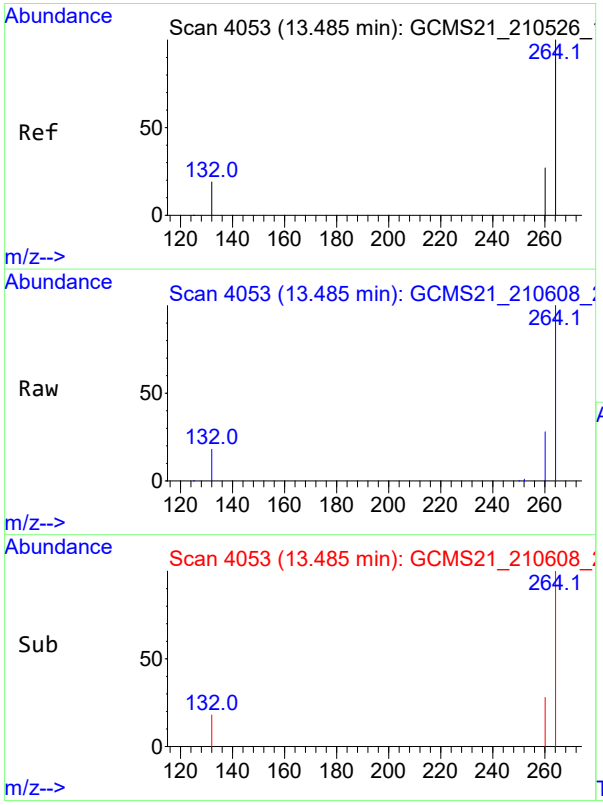


#20
Chrysene
Concen: 167.67 ng/mL
RT: 10.860 min Scan# 2678
Delta R.T. -0.018 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:228 Resp: 214515

Ion	Ratio	Lower	Upper
228	100		
226	29.9	2.8	62.8

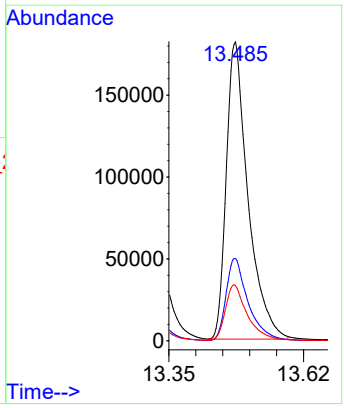


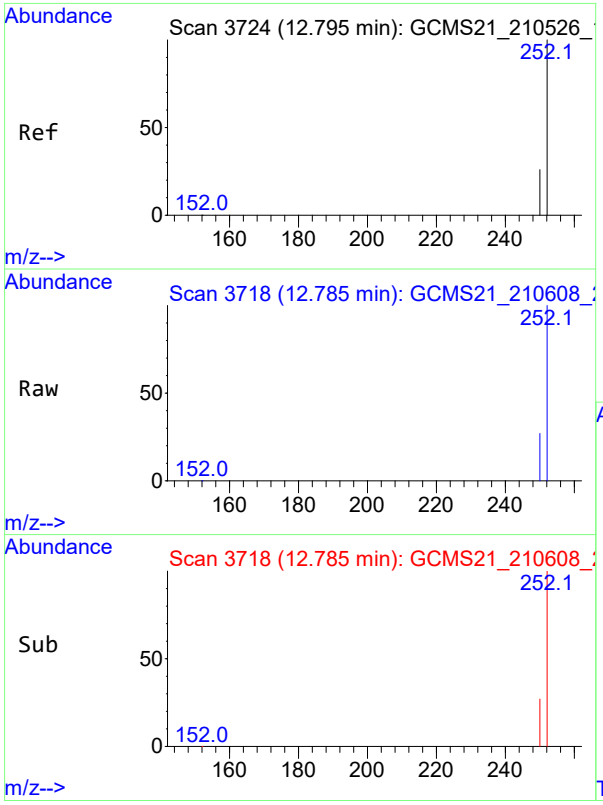


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.056 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:264 Resp: 533807

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.5
132	18.6	0.0	49.5

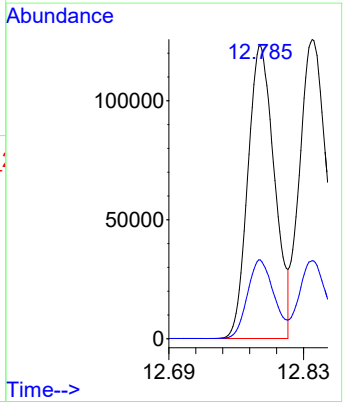


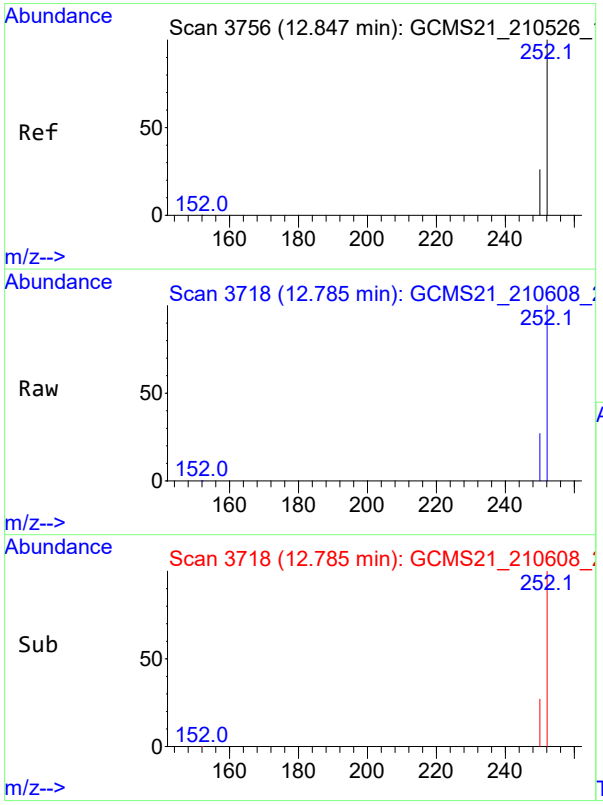


#22
Benzo(b)fluoranthene
Concen: 205.60 ng/mL
RT: 12.785 min Scan# 3718
Delta R.T. 0.044 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 227820

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.2

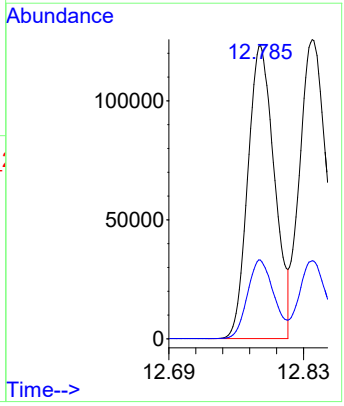


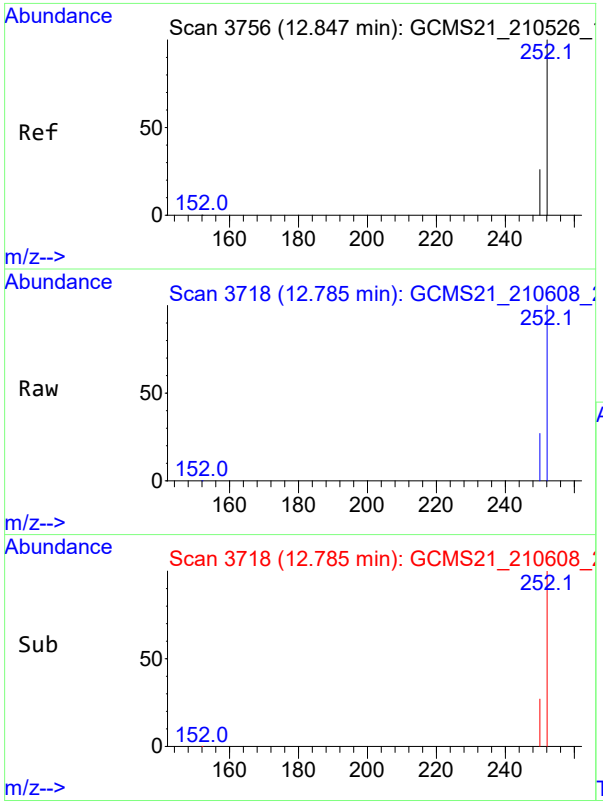


#23
Benzo(k)fluoranthene
Concen: 185.52 ng/mL
RT: 12.785 min Scan# 3718
Delta R.T. -0.010 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 227820

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	55.6

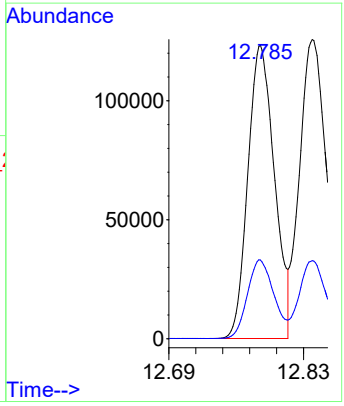


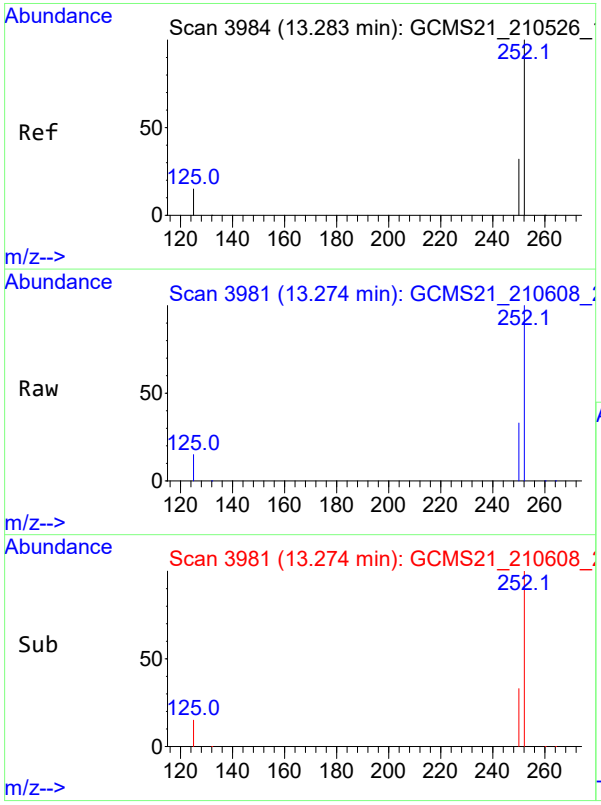


#24
benzo(b+k)fluoranthene (sum)
Concen: 189.22 ng/mL
RT: 12.785 min Scan# 3718
Delta R.T. -0.010 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 227820

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	55.6

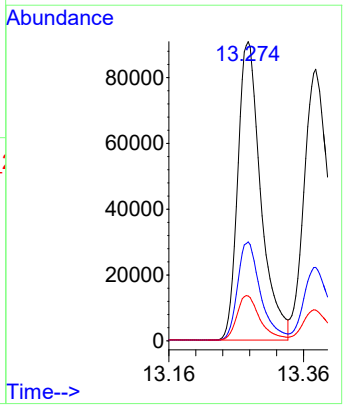


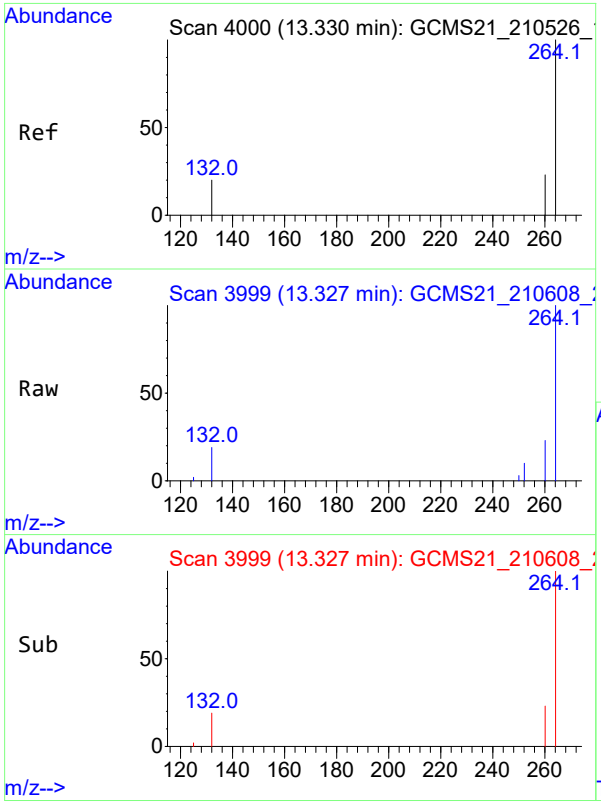


#25
Benzo(e)pyrene
Concen: 190.83 ng/mL
RT: 13.274 min Scan# 3981
Delta R.T. 0.044 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 213267

Ion	Ratio	Lower	Upper
252	100		
250	32.8	2.3	62.3
125	14.9	0.0	46.1

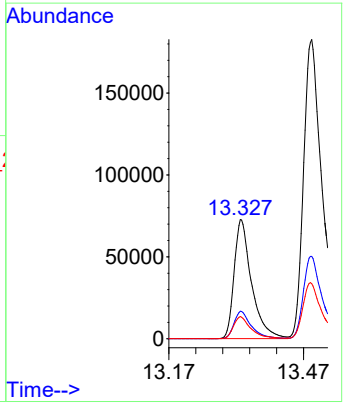


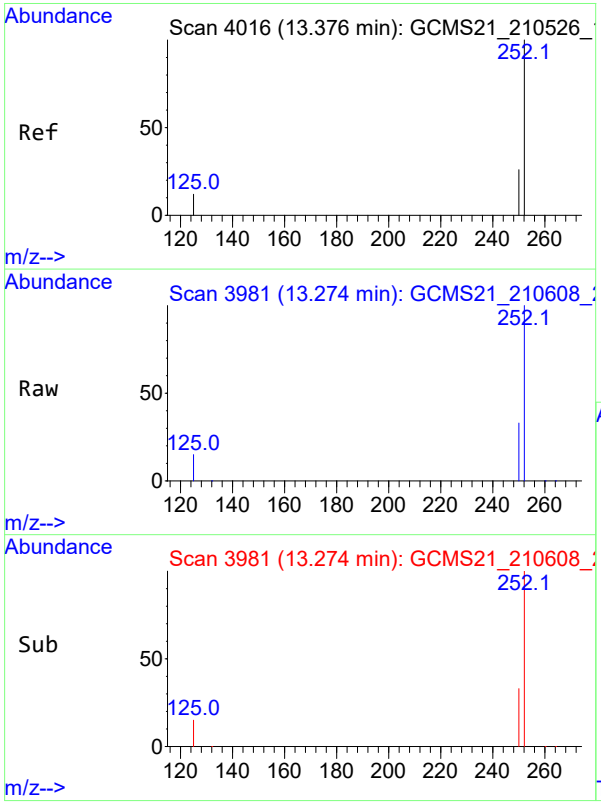


#26
Benzo(a)pyrene-D12
Concen: 223.56 ng/mL
RT: 13.327 min Scan# 3999
Delta R.T. 0.050 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:264 Resp: 193888

Ion	Ratio	Lower	Upper
264	100		
260	22.9	0.0	53.0
132	18.1	0.0	49.8

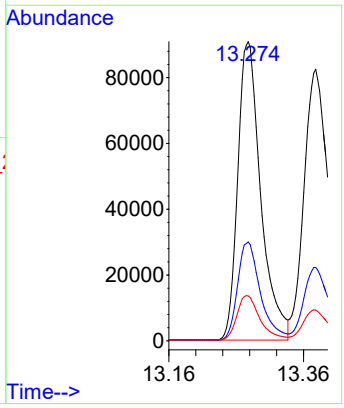


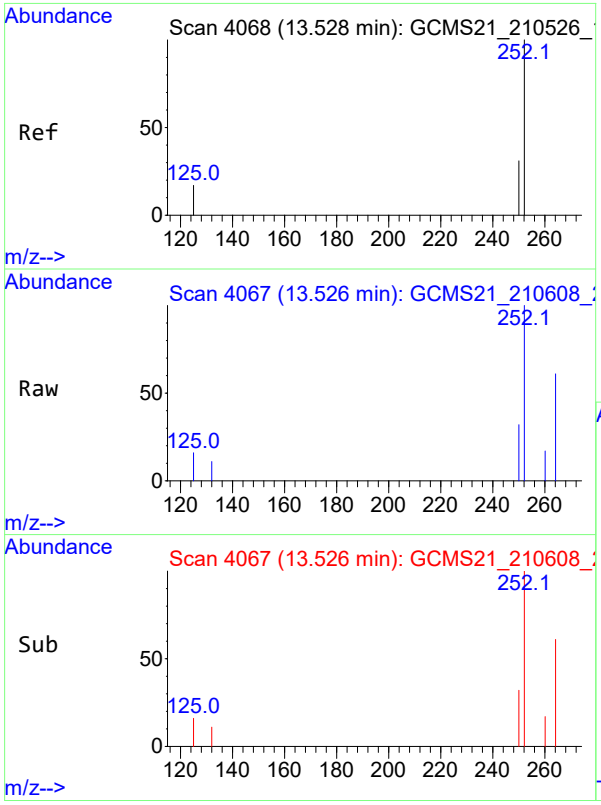


#27
Benzo(a)pyrene
Concen: 210.89 ng/mL
RT: 13.274 min Scan# 3981
Delta R.T. -0.047 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 213267

Ion	Ratio	Lower	Upper
252	100		
250	32.8	0.0	56.6
125	14.9	0.0	42.1

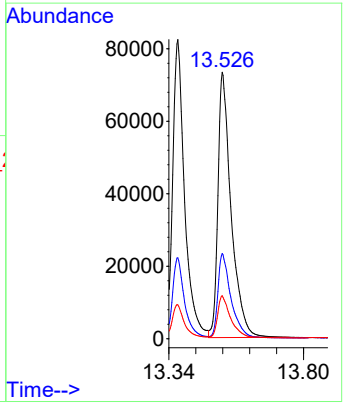


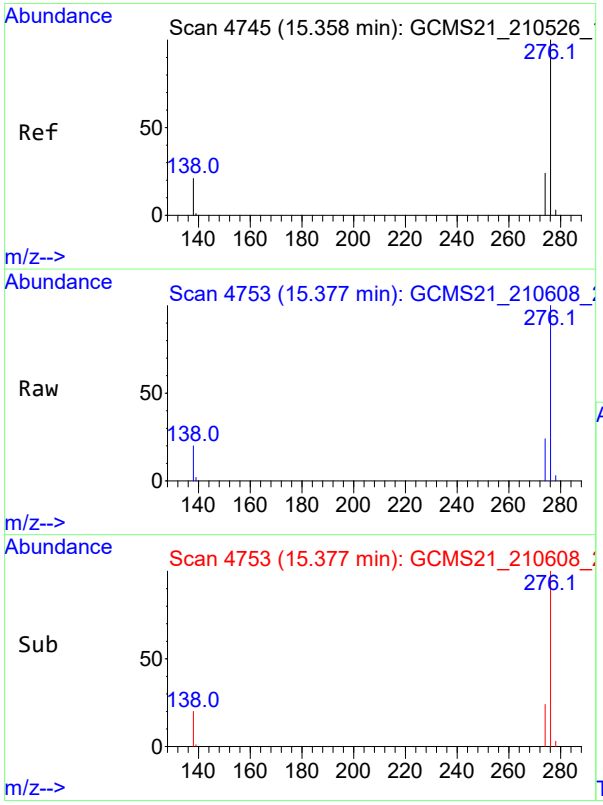


#28
Perylene
Concen: 201.87 ng/mL
RT: 13.526 min Scan# 4067
Delta R.T. 0.050 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:252 Resp: 229260

Ion	Ratio	Lower	Upper
252	100		
250	31.4	1.2	61.2
125	15.6	0.0	46.7

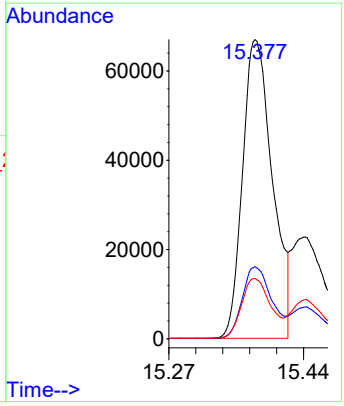


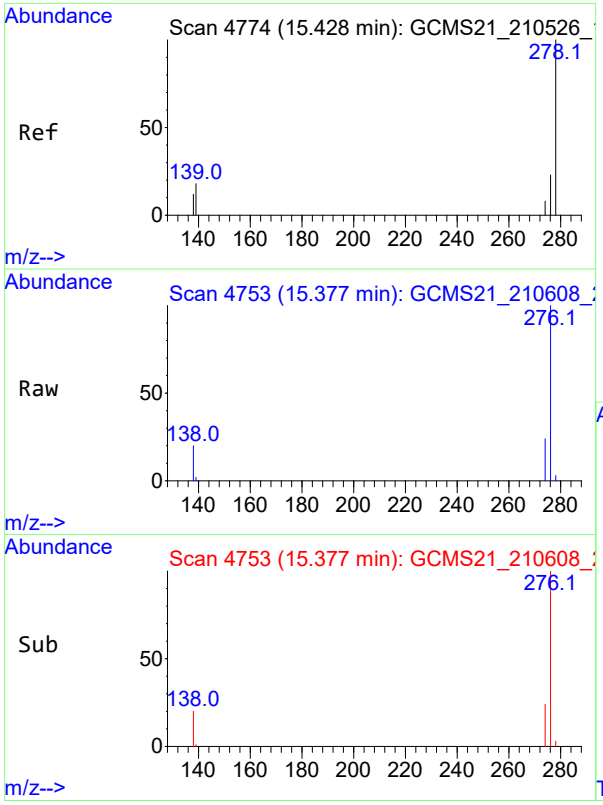


#29
Indeno(1,2,3-cd)pyrene
Concen: 199.46 ng/mL
RT: 15.377 min Scan# 4753
Delta R.T. 0.077 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:276 Resp: 172604

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.4
138	19.6	0.0	51.2

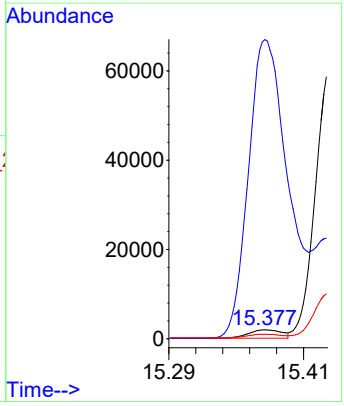


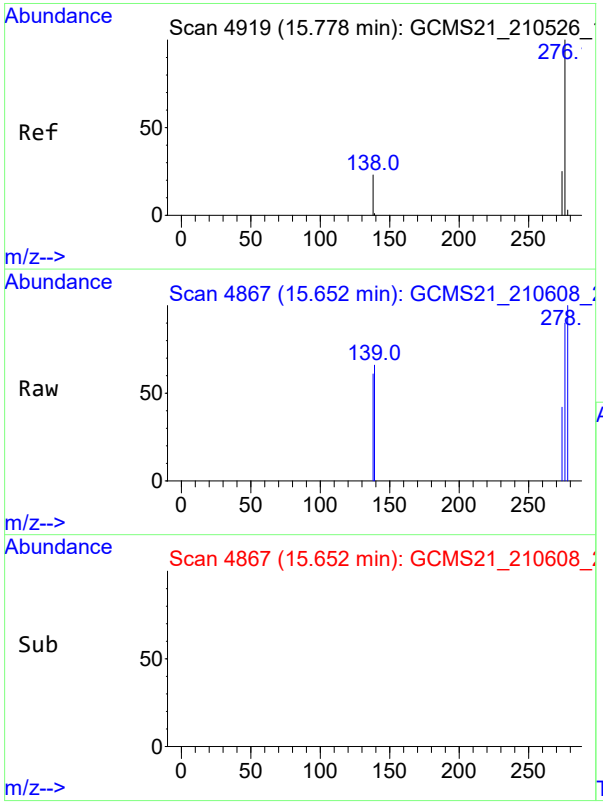


#30
Dibenz(a,h)anthracene
Concen: 4.77 ng/mL
RT: 15.377 min Scan# 4753
Delta R.T. 0.005 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:278 Resp: 4118

Ion	Ratio	Lower	Upper
278	100		
276	4191.5	0.0	58.4#
139	43.6	0.0	47.7

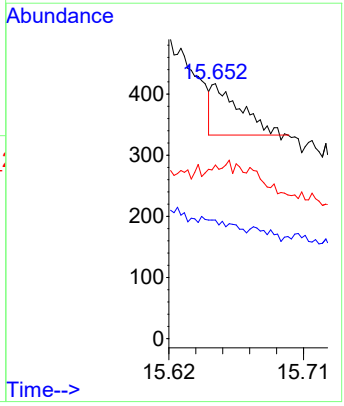




#31
Benzo(g,h,i)perylene
Concen: 0.10 ng/mL
RT: 15.652 min Scan# 4867
Delta R.T. -0.072 min
Lab File: GCMS21_210608_26.D
Acq: 08 Jun 2021 19:07

Tgt Ion:276 Resp: 116

Ion	Ratio	Lower	Upper
276	100		
274	0.0	0.0	54.3
138	0.0	0.0	53.0



Evaluate Continuing Calibration Report

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_26.D
Acq On : 08 Jun 2021 19:07
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 10:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 150%

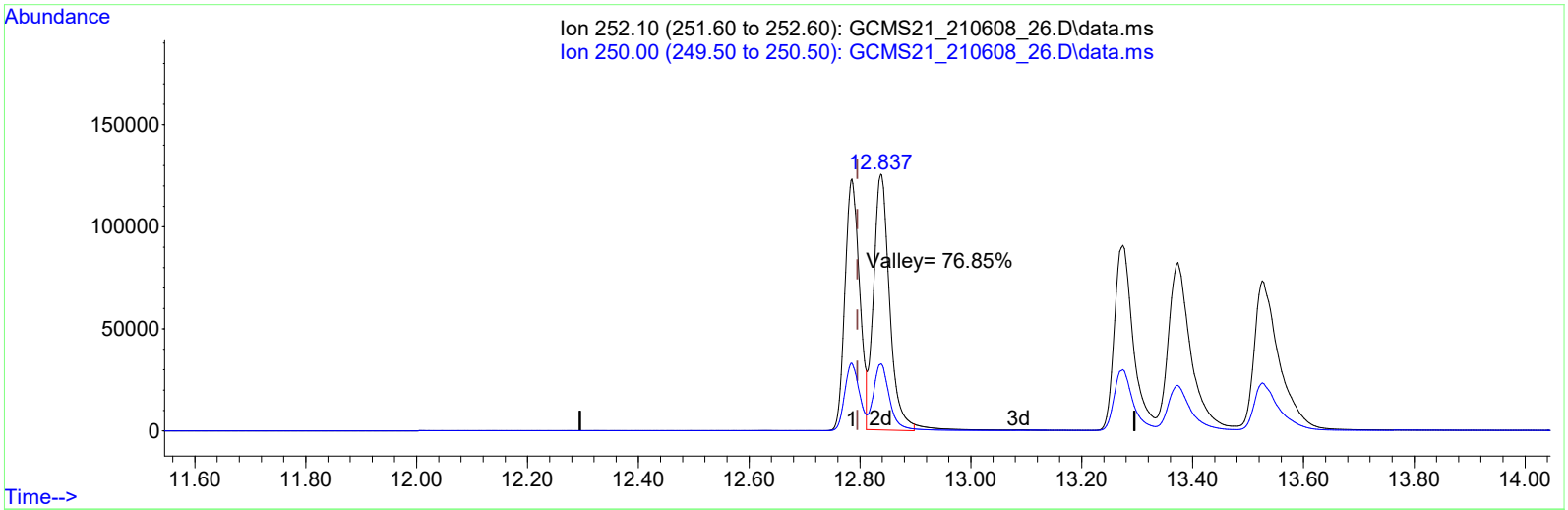
		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	NAPTHALENE-D8	500.000	500.000	0.0	102	0.00
2	M	Naphthalene	250.000	202.556	19.0	83	0.00
3	S	2-Methylnaphthalene-D10	250.000	201.512	19.4	81	0.00
4	M	2-Methylnaphthalene	250.000	188.182	24.7	82	0.00
5	M	1-Methylnaphthalene	250.000	200.230	19.9	80	0.00
6	I	ACENAPHTHENE-D10	500.000	500.000	0.0	104	0.00
7	M	Acenaphthylene	250.000	212.809	14.9	94	0.00
8	M	Acenaphthene	250.000	189.212	24.3	83	0.00
9	S	Fluorene-D10	250.000	197.279	21.1	84	0.02
10	M	Fluorene	250.000	195.364	21.9	84	0.02
11	I	PHENANTHRENE-D10	500.000	500.000	0.0	111	0.02
12	M	Phenanthrene	250.000	164.393	34.2#	78	0.02
13	M	Anthracene	250.000	216.577	13.4	100	0.02
14	S	Fluoranthene-D10	250.000	201.154	19.5	89	0.02
15	M	Fluoranthene	250.000	186.259	25.5	87	0.02
16	I	CHRYSENE-D12	500.000	500.000	0.0	109	0.04
17	S	Pyrene-D10	250.000	200.853	19.7	87	0.02
18	M	Pyrene	250.000	186.419	25.4	86	0.02
19	M	Benzo(a)anthracene	250.000	207.002	17.2	92	0.04
20	M	Chrysene	250.000	197.900	20.8	93	0.04
21	I	PERYLENE-D12	500.000	500.000	0.0	107	0.06
22	M	Benzo(b)fluoranthene	250.000	205.603	17.8	94	0.04
23	M	Benzo(k)fluoranthene	250.000	193.780	22.5	90	0.04
24	NR	benzo(b+k)fluoranthene (sum	500.000	400.773	19.8	94	0.04
25	M	Benzo(e)pyrene	250.000	190.826	23.7	84	0.04
26	S	Benzo(a)pyrene-D12	250.000	223.559	10.6	94	0.05
27	M	Benzo(a)pyrene	250.000	227.306	9.1	98	0.05
28	M	Perylene	250.000	201.868	19.3	86	0.05
29	M	Indeno(1,2,3-cd)pyrene	250.000	199.463	20.2	89	0.08
30	M	Dibenz(a,h)anthracene	250.000	224.079	10.4	96	0.07
31	M	Benzo(g,h,i)perylene	250.000	173.021	30.8#	78	0.08

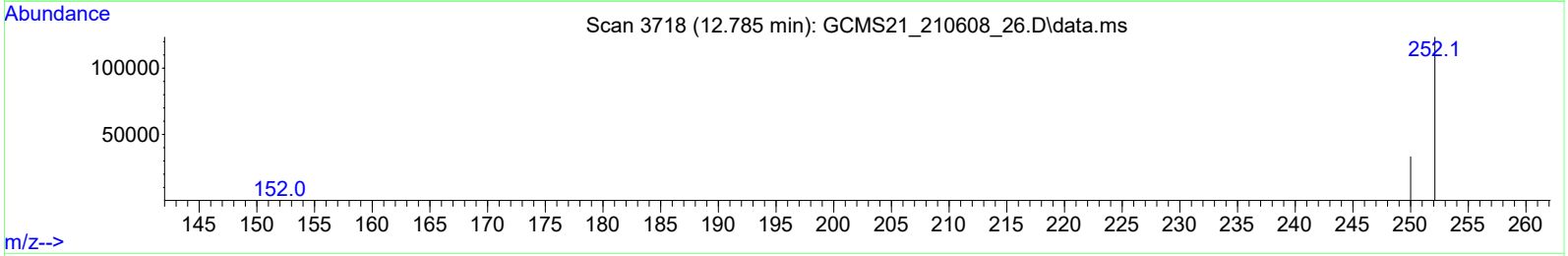
(#) = Out of Range SPCC's out = 0 CCC's out = 0

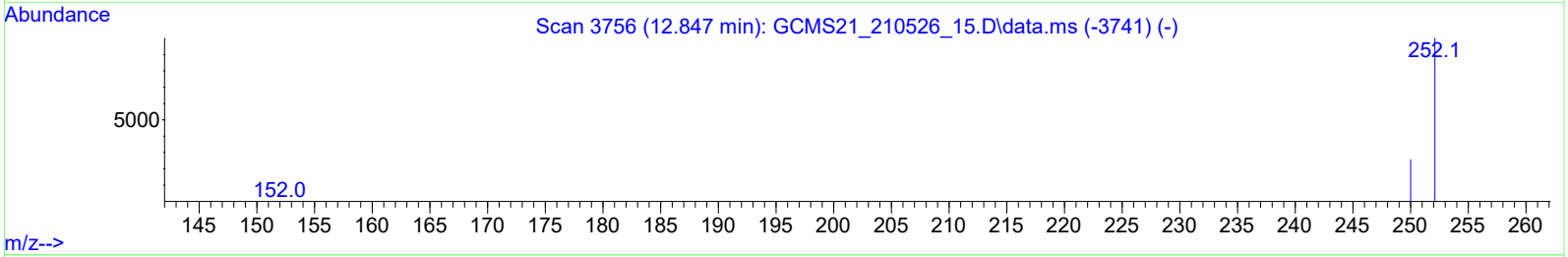
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_26.D
Acq On : 08 Jun 2021 19:07
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 10:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210608_26.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.785min (-0.010) 189.22 ng/mL

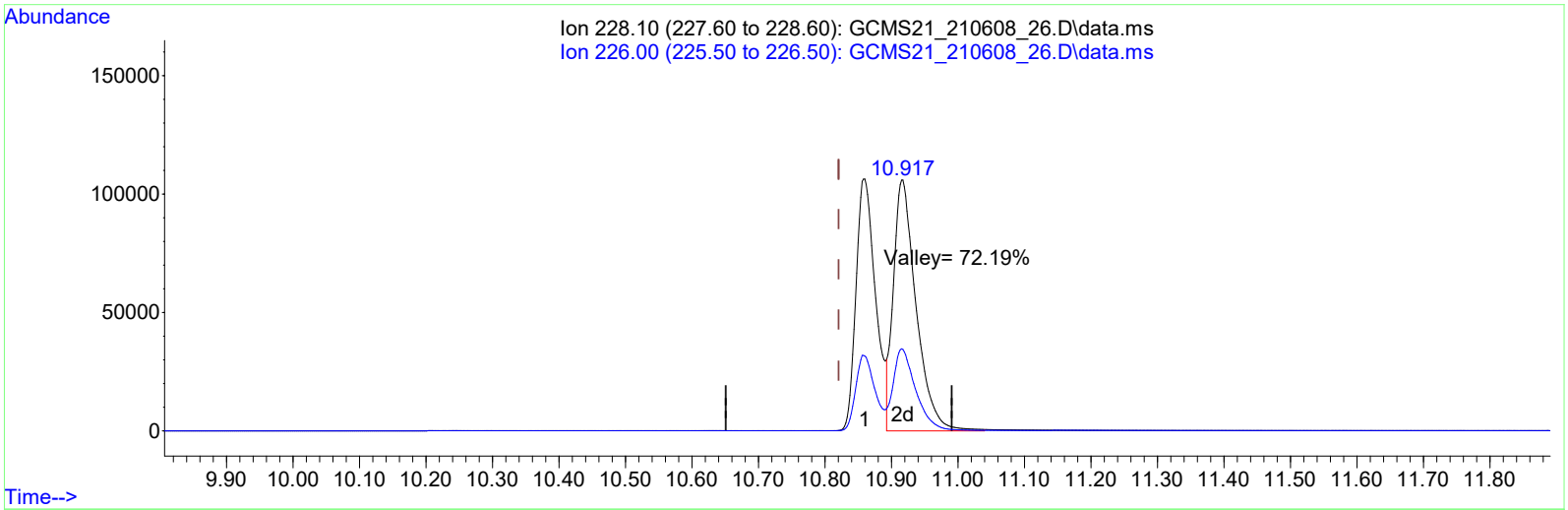
response 227820

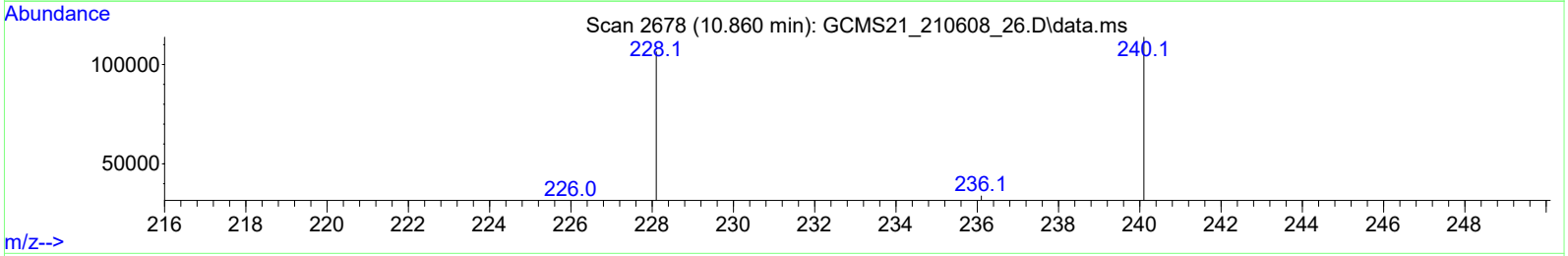
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	26.87
0.00	0.00	0.00
0.00	0.00	0.00

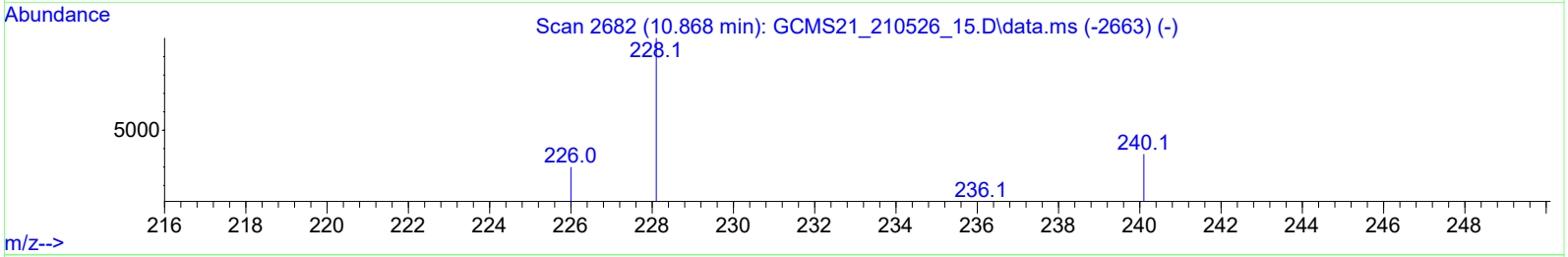
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_26.D
Acq On : 08 Jun 2021 19:07
Operator : MN GCMS21
Sample : CCV1_250
Misc : LIMS 21F0101
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 01 10:53:53 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210608_26.D\data.ms

(19) Benzo(a)anthracene (M)

10.860min (+ 0.039) 207.00 ng/mL

response 214515

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.90	29.91
0.00	0.00	0.00
0.00	0.00	0.00

Environmental Protection Agency Region 5

Chicago Regional Laboratory

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Date: 5/4/2021

Semivolatiles / Nonvolatiles in ~~SOIL~~ PUF DISKS extraction bench sheet MN 5-4-2021

Date Extracted: 05-04-2021

Analyst(s): MAI NGUYEN

Batch Number: B21E006

Analyses Included On This Benchsheet

SVOA PAHs in PUF disks by press. fluid extr. (SIM)

Extraction Method: soxhlet ( ) sonication ( ) dilution ( ) accelerated solvent extraction (X) Soxtec ( )

Extract concentration by: turbovap LV ( ) TurboVAP 500 ( ) N-evap ( ) Syncore (X)

Cleanup Techniques: Acidified Silica Gel ( ) GPC ( ) Others (list): N/A

Spiking Solution(s) Added By: MN 25µl Syringe VV3085 ISTD / 250µl Spike syringe VV-3122

Surrogate 1 21C3019 50µl **Surrogate 2: 21C0902 Amount: 50uL**

Sample Number	Source ID for Duplicate or MS/MSD	LCS/MS Spike LIMS ID	LCS/MS Spike Amount (uL)	Weight of Sample (g)	FV of Extract with GPC Factor(mL)	ASE Cell No	ASE Vial No	With GPC Factor (mL)				Final Volume (mL)*	Comments
								Dil 1	Dil 2	Dil 3	Dil 4		
2105001-01				1	1	5	5					1 mL	
2105001-02				1	1	6	6					1 mL	
2105001-03				1	1	7	7					1 mL	
2105001-04				1	1	8	8					1 mL	
2105001-05				1	1	9	9					1 mL	
2105001-06				1	1	10	10					1 mL	
2105001-07				1	1	11	11					1 mL	
2105001-08				1	1	12	12					1 mL	
2105001-09				1	1	13	13					1 mL	
2105001-10				1	1	14	14					1 mL	
2105001-11				1	1	15	15					1 mL	

VOID MN 5-5-21

Batch Comments: Information on column FV of extract with GPC factor was applied to the final volume 1mL from Buchi concentration.

Comments: The final volume column is not applicable on this bench sheet. (cross out.) MN 07.28.21

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Date: 5/4/2021

Semivolatiles / Nonvolatiles in SOIL extraction bench sheet

Date Extracted: 05-04-2021

Analyst(s): MN

Batch Number: B21E006

Analyses Included On This Benchsheet

SVOA PAHs in PUF disks by press. fluid extr. (SIM)

Sample Number	Source ID for Duplicate or MS/MSD	LCS/MS Spike LIMS ID	LCS/MS Spike Amount (uL)	Weight of Sample (g)	FV of Extract with GPC Factor(mL)	ASE Cell No	ASE Vial No	With GPC Factor (mL)				Final Volume (mL)*	Comments
								Dil 1	Dil 2	Dil 3	Dil 4		
2105001-12				1	1	16	16						
2105001-13				1	1	17	17						
2105001-14				1	1	18	18						
2105001-15				1	1	19	19						
2105001-16				1	1	1	1						(Continue
2105001-17				1	1	2	2						next day)
2105001-18				1	1	3	3						
2105001-19				1	1	4	4						
B21E006-BLK1	-			1	1	1	1						
B21E006-BS1	-			1	1	3	3						
B21E006-BSD1	-			1	1	4	4						
B21E006-MRL1	-			1	1	2	2						

Batch Comments:

Comments:

Environmental Protection Agency Region 5
Chicago Regional Laboratory
536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Date: 5/4/2021

Semivolatiles / Nonvolatiles in SOIL extraction bench sheet

Date Extracted: 05-04-2021
Analyst(s): MAI NGUYEN

Batch Number: B21E006

Analyses Included On This Benchsheet

SVOA PAHs in PUF disks by press. fluid extr. (SIM)

* After all dilutions.

Internal Standard LIMS ID: 21C0924
Calibration Standard LIMS ID:

Solvents used: Methylene Chloride ( ) Acetone ( ) Hexane ( ) Ethyl Acetate ( ) Methanol ( ) Acetonitrile ( )
Solvent lot number(s): DCM 20B2801 Acetone 21C1102 Hexane 21C1103

ASE ID:	1	(2)	3	4	5	Date used:	05-04-2021
GPC ID:	1	2				Date used:	
TurboVap 500 ID:	1	2	3	4		Date used:	
TurboVap LV ID:	1	2				Date used:	
N-Evap ID:	1	2				Date used:	
Syncore Analyst ID:	1	(2)				Date used:	05-06-2021

Reagents used: NaCl ( ) Na_2SO_4 ( ) Conc H_2SO_4 ( ) Other (list):

Reagent LIMS IDs or manufacturer / part # / lot # (NOTE: LIMS ID required for prepared solutions)

QCs - Disks cleaned B21C044-BLK1

Batch Comments:

Comments:

Date: 7/22/2021

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Semivolatiles / Nonvolatiles in PUFs and Wipes extraction bench sheet

Date Extracted: _____

Analyst(s): _____

Batch Number: B21E006

Analyses Included On This Benchsheet

SVOA PAHs in PUF disks by press. fluid extr. (SIM)

Extraction Method: accelerated solvent extraction ( ) other:_____

Extract concentration by: turbovap LV ( ) TurboVAP II ( ) N-evap ( ) Syncore ( )

Cleanup Techniques: Acidified Silica Gel ( ) Others (list): _____

Spiking Solution(s) Added By:_____

Surrogate 1: 21C3019 Amount: 50uL **Surrogate 2: 21C0902 Amount: 50uL**

Sample Number	Source ID for Duplicate or MS/MSD	LCS/MS Spike LIMS ID	LCS/MS Spike Amount (uL)	Weight of Sample (g)	FV of Extract (mL)	ASE Cell No	Dil	Final Volume (mL)*	Comments
2105001-01				1	1				GCMS21_210604_05.D
2105001-02				1	1				GCMS21_210608_05.D
2105001-02RE1				1	1				GCMS21_210604_12.D
2105001-03				1	1				GCMS21_210608_06.D
2105001-03RE1				1	1				GCMS21_210604_11.D
2105001-04				1	1				GCMS21_210527_18.D
2105001-04RE1				1	1				GCMS21_210604_13.D
2105001-05				1	1				GCMS21_210608_09.D
2105001-05RE1				1	1				GCMS21_210604_14.D
2105001-06				1	1				GCMS21_210527_09.D
2105001-07				1	1				GCMS21_210527_10.D

Batch Comments: PUF disks cleaned on 03/24/21_B21C044-blk3

Comments:

Date: 7/22/2021

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Semivolatiles / Nonvolatiles in PUFs and Wipes extraction bench sheet

Date Extracted: _____

Analyst(s): _____

Batch Number: B21E006

Analyses Included On This Benchsheet

SVOA PAHs in PUF disks by press. fluid extr. (SIM)

Sample Number	Source ID for Duplicate or MS/MSD	LCS/MS Spike LIMS ID	LCS/MS Spike Amount (uL)	Weight of Sample (g)	FV of Extract (mL)	ASE Cell No	Dil	Final Volume (mL)*	Comments
2105001-08				1	1				GCMS21_210527_11.D
2105001-09				1	1				GCMS21_210527_12.D
2105001-10				1	1				GCMS21_210527_13.D
2105001-11				1	1				GCMS21_210527_14.D
2105001-12				1	1				GCMS21_210527_15.D
2105001-13				1	1				GCMS21_210527_16.D
2105001-14				1	1				GCMS21_210527_17.D
2105001-15				1	1				GCMS21_210608_19.D
2105001-15RE1				1	1				GCMS21_210604_15.D
2105001-16				1	1				GCMS21_210604_07.D
2105001-17				1	1				GCMS21_210604_09.D
2105001-18				1	1				GCMS21_210608_20.D
2105001-18RE1				1	1				GCMS21_210604_08.D
2105001-18RE2				1	1				GCMS21_210608_08.D
2105001-19				1	1				GCMS21_210604_16.D
2105001-19RE1				1	1				GCMS21_210604_10.D

Batch Comments: PUF disks cleaned on 03/24/21_B21C044-blk3

Comments:

Date: 7/22/2021

US EPA Region 5 LSASD Analytical Services Branch

536 South Clark Street, Chicago, IL 60605
Phone:(312)353-8370 Fax:(312)886-2591

Semivolatiles / Nonvolatiles in PUFs and Wipes extraction bench sheet

Date Extracted: _____

Analyst(s): _____

Batch Number: B21E006

Analyses Included On This Benchsheet

SVOA PAHs in PUF disks by press. fluid extr. (SIM)

Sample Number	Source ID for Duplicate or MS/MSD	LCS/MS Spike LIMS ID	LCS/MS Spike Amount (uL)	Weight of Sample (g)	FV of Extract (mL)	ASE Cell No	Dil	Final Volume (mL)*	Comments
B21E006-BLK1	-			1	1				GCMS21_210527_05.D
B21E006-BLK2	-			1	1				GCMS21_210604_17.D
B21E006-BLK3	-			1	1				GCMS21_210604_18.D
B21E006-BS1	-	21B1702	250	1	1				GCMS21_210527_07.D
B21E006-BSD1	-	21B1702	250	1	1				GCMS21_210527_08.D
B21E006-DUP1	2105001-04			1	1				GCMS21_210527_19.D
B21E006-DUP2	2105001-01			1	1				GCMS21_210604_06.D
B21E006-MRL1	-	21B1702	50	1	1				GCMS21_210527_06.D

* After all dilutions.

Internal Standard LIMS ID:_____

Calibration Standard LIMS ID:_____

Sequences:_____

Solvents used: Methylene Chloride ( ) Acetone ( ) Hexane ( ) Ethyl Acetate ( ) Methanol ( ) Acetonitrile ( )

Solvent lot number(s): _____

Reagents used: NaCl ( ) Na_2SO_4 ( ) Conc H_2SO_4 ( ) Other (list):

Reagent LIMS IDs or manufacturer / part # / lot # (NOTE: LIMS ID required for prepared solutions) _____

ASE ID: 1 2 3 Date used: _____

TurboVap II ID: 1 2 3 4 Date used: _____

TurboVap LV ID: 1 2 Date used: _____

N-Evap ID: 1 2 Date used: _____

Syncore Analyst ID: 1 2 3 Date used: _____

Evaporation Conditions (T, P, flow, Syncore programs, etc.:

_____

Batch Comments: PUF disks cleaned on 03/24/21_B21C044-blk3

Comments:

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_05.D
Acq On : 27 May 2021 11:59
Operator : MN GCMS21
Sample : B21E006-BLK1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 11:28:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

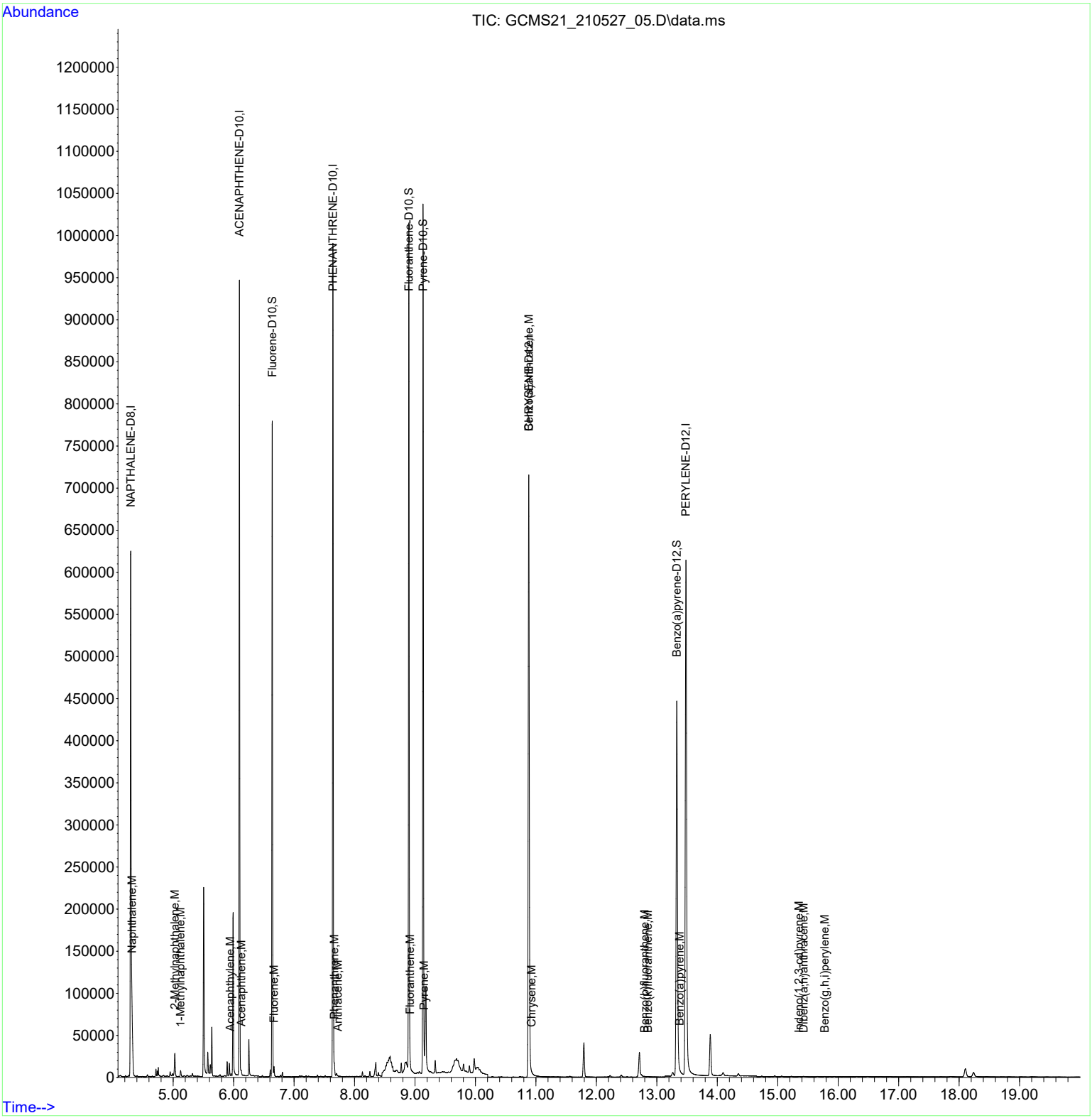
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	592411	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	356894	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	701548	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	714504	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	658319	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.639	176	301242	352.56	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	620559	408.51	ng/mL	0.00
17) Pyrene-D10	9.132	212	670560	411.34	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.330	264	501325	468.72	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.318	128	17838	15.69	ng/mL	100
4) 2-Methylnaphthalene	5.027	142	7641	9.13	ng/mL	97
5) 1-Methylnaphthalene	5.123	142	3023	4.34	ng/mL	100
7) Acenaphthylene	5.942	152	629	0.53	ng/mL#	1
8) Acenaphthene	6.126	153	1553	1.71	ng/mL#	30
10) Fluorene	6.668	166	3964	3.95	ng/mL	93
12) Phenanthrene	7.667	178	6954	4.11	ng/mL	99
13) Anthracene	7.722	178	334	0.24	ng/mL#	1
15) Fluoranthene	8.919	202	2395	1.34	ng/mL	66
18) Pyrene	9.153	202	1463	0.77	ng/mL#	56
19) Benzo(a)anthracene	10.882	228	2763	1.92	ng/mL	66
20) Chrysene	10.925	228	450	0.25	ng/mL	95
22) Benzo(b)fluoranthene	12.797	252	584	0.43	ng/mL	89
23) Benzo(k)fluoranthene	12.852	252	432	0.29	ng/mL#	49
24) benzo(b+k)fluoranthene...	0.000		0	N.D.	d	
25) Benzo(e)pyrene	0.000		0	N.D.	d	
27) Benzo(a)pyrene	13.379	252	330	0.26	ng/mL#	85
28) Perylene	0.000		0	N.D.	d	
29) Indeno(1,2,3-cd)pyrene	15.353	276	507	0.48	ng/mL#	75
30) Dibenz(a,h)anthracene	15.425	278	433	0.41	ng/mL#	34
31) Benzo(g,h,i)perylene	15.777	276	423	0.31	ng/mL#	77

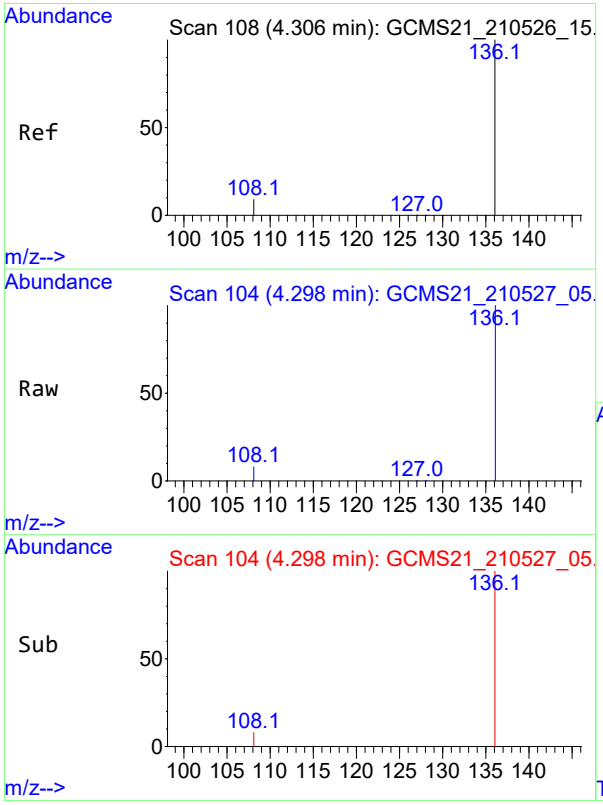
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_05.D
Acq On : 27 May 2021 11:59
Operator : MN GCMS21
Sample : B21E006-BLK1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 11:28:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

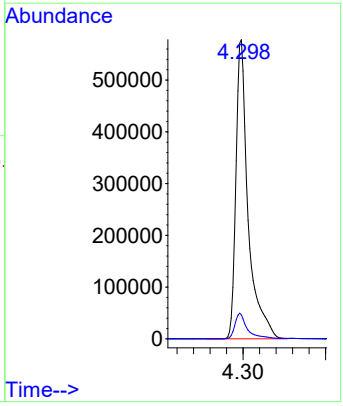


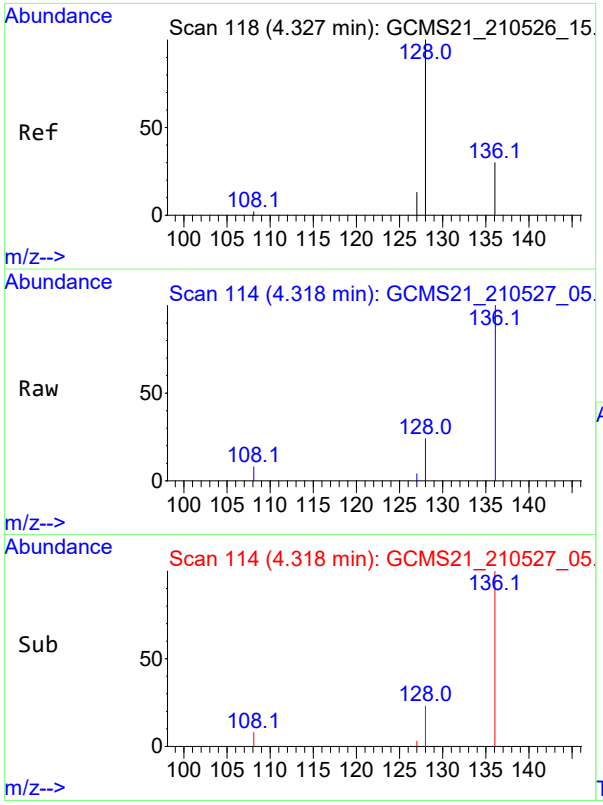


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:136 Resp: 592411

Ion	Ratio	Lower	Upper
136	100		
108	8.8	0.0	28.3

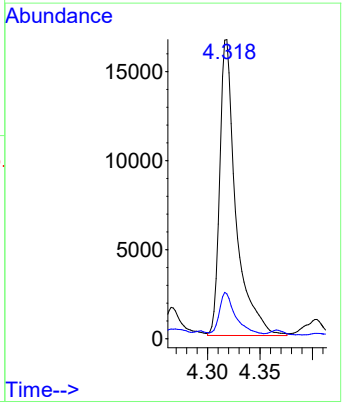


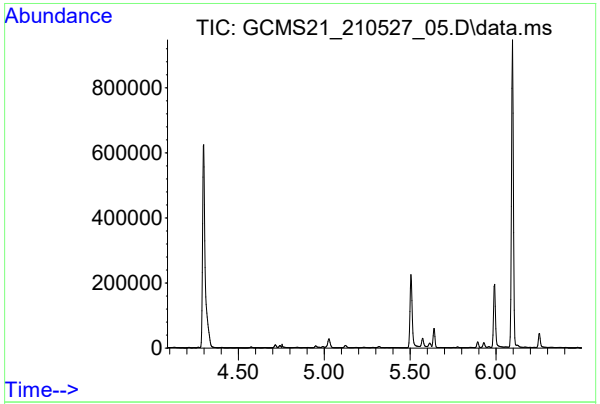


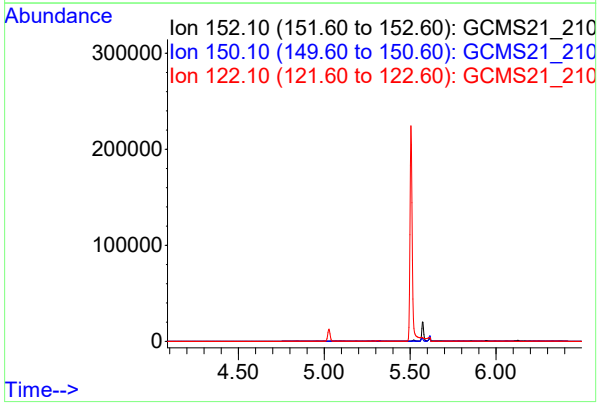
#2
Naphthalene
Concen: 15.69 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:128 Resp: 17838

Ion	Ratio	Lower	Upper
128	100		
127	13.5	0.0	43.3





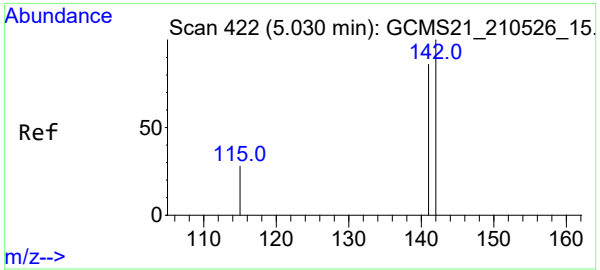


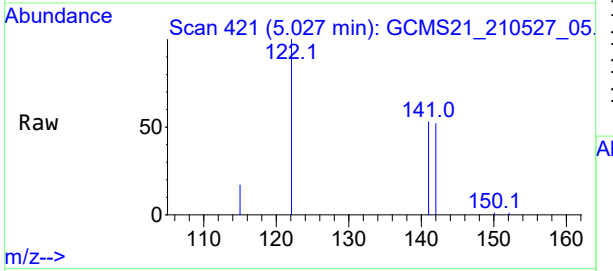
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

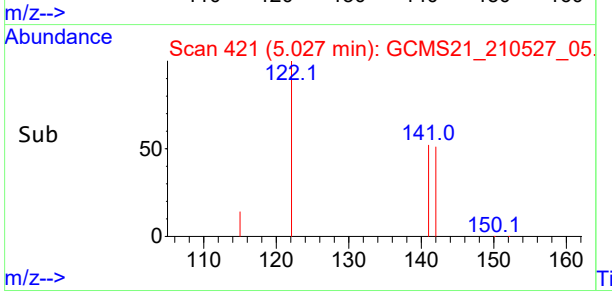
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5



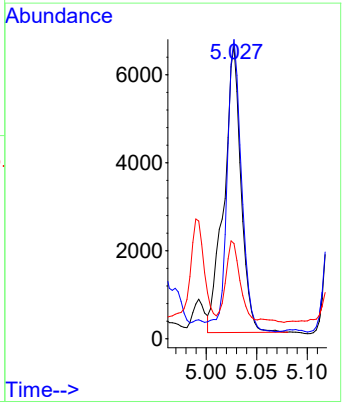


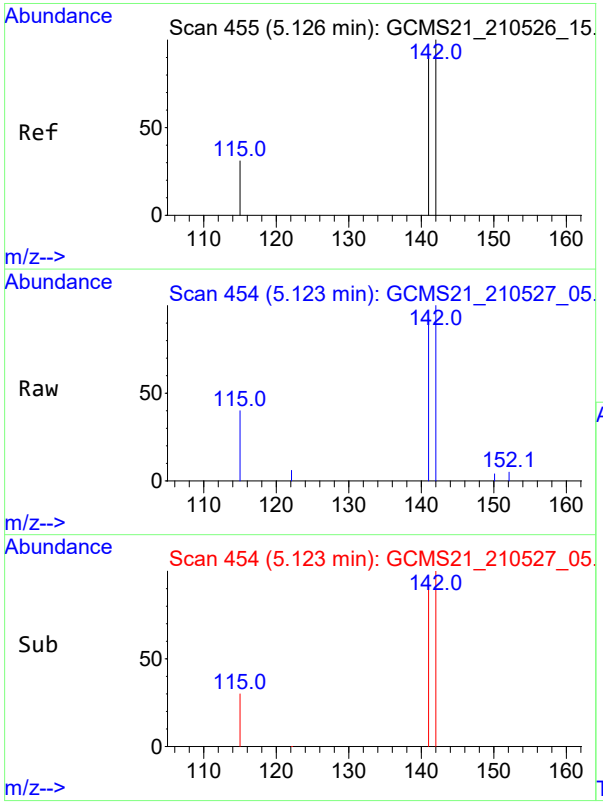


#4
2-Methylnaphthalene
Concen: 9.13 ng/mL
RT: 5.027 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:142 Resp: 7641

Ion	Ratio	Lower	Upper
142	100		
141	87.5	56.3	116.3
115	22.1	0.0	57.4

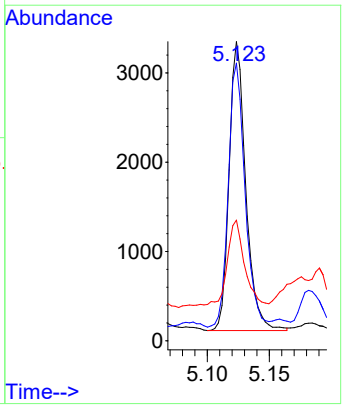


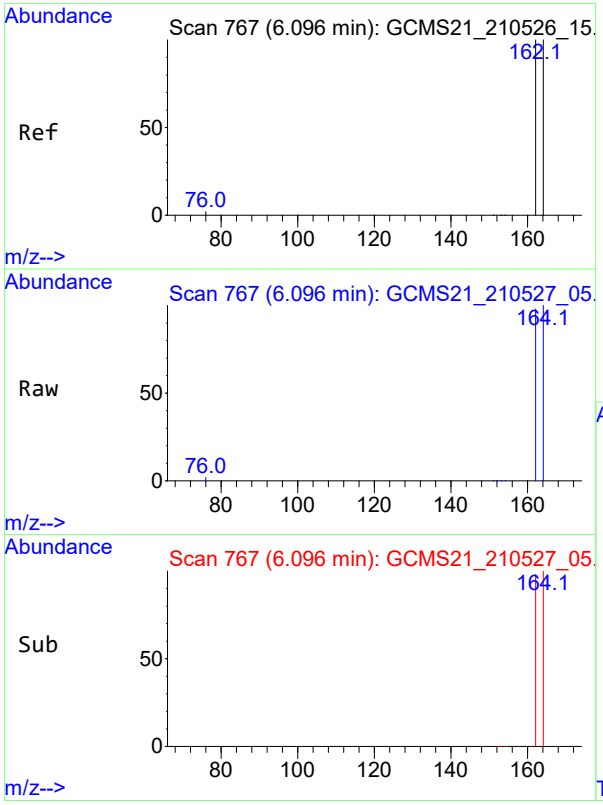


#5
1-Methylnaphthalene
Concen: 4.34 ng/mL
RT: 5.123 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:142 Resp: 3023

Ion	Ratio	Lower	Upper
142	100		
141	91.7	61.5	121.5
115	30.8	0.2	60.2

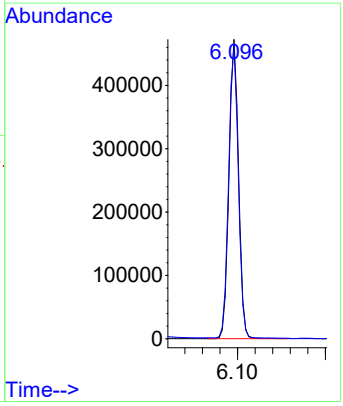


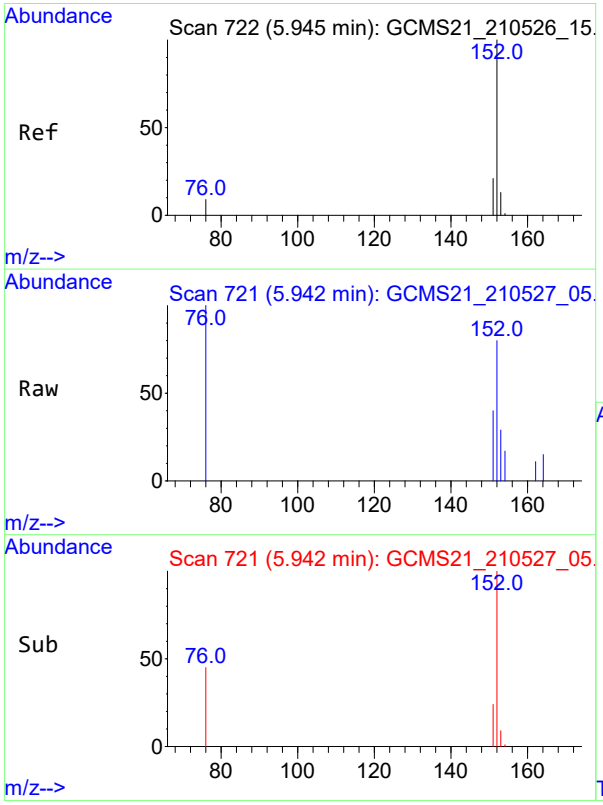


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:164 Resp: 356894

Ion	Ratio	Lower	Upper
164	100		
162	100.1	77.7	117.7

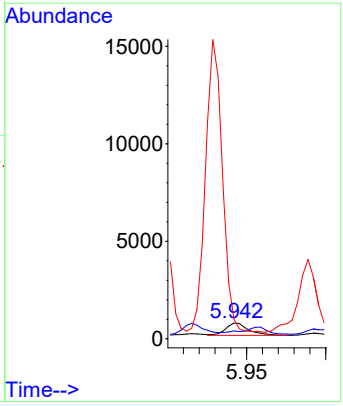


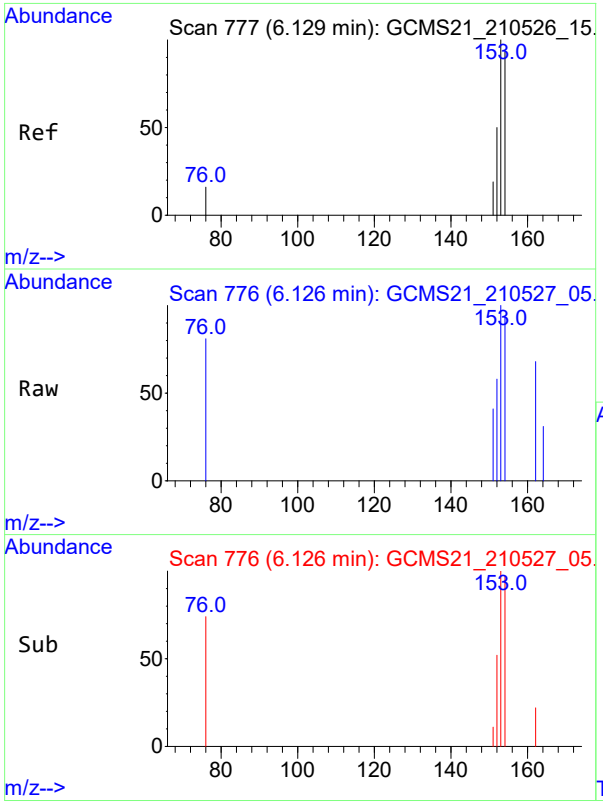


#7
Acenaphthylene
Concen: 0.53 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:152 Resp: 629

Ion	Ratio	Lower	Upper
152	100		
151	80.9	0.0	52.0#
76	1769.0	0.0	39.5#

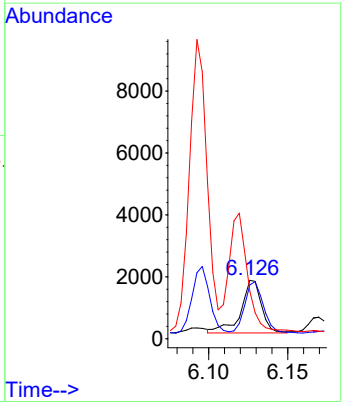


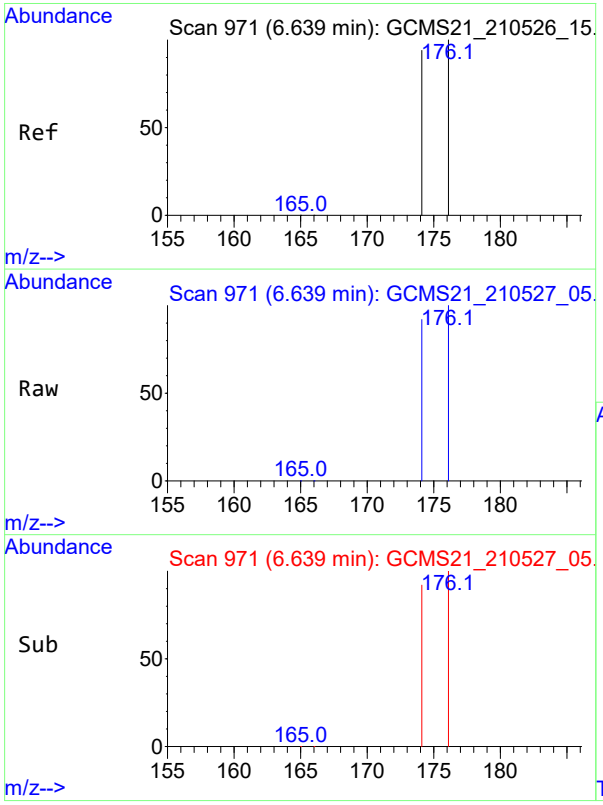


#8
Acenaphthene
Concen: 1.71 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:153 Resp: 1553

Ion	Ratio	Lower	Upper
153	100		
154	87.8	60.4	120.4
76	201.2	0.0	47.4#

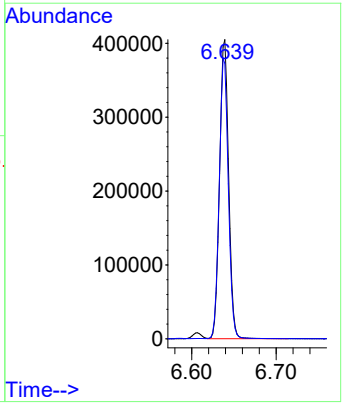


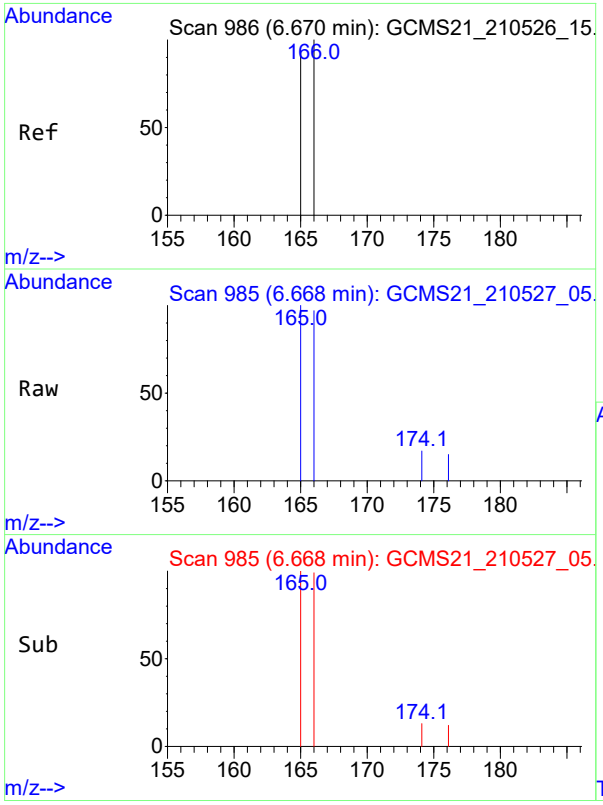


#9
Fluorene-D10
Concen: 352.56 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:176 Resp: 301242

Ion	Ratio	Lower	Upper
176	100		
174	94.0	63.9	123.9

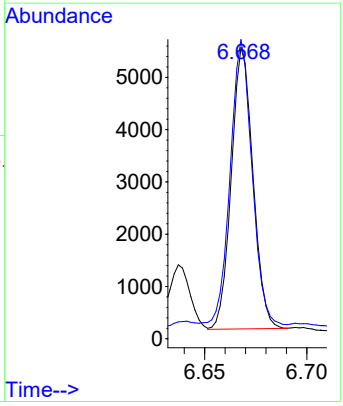


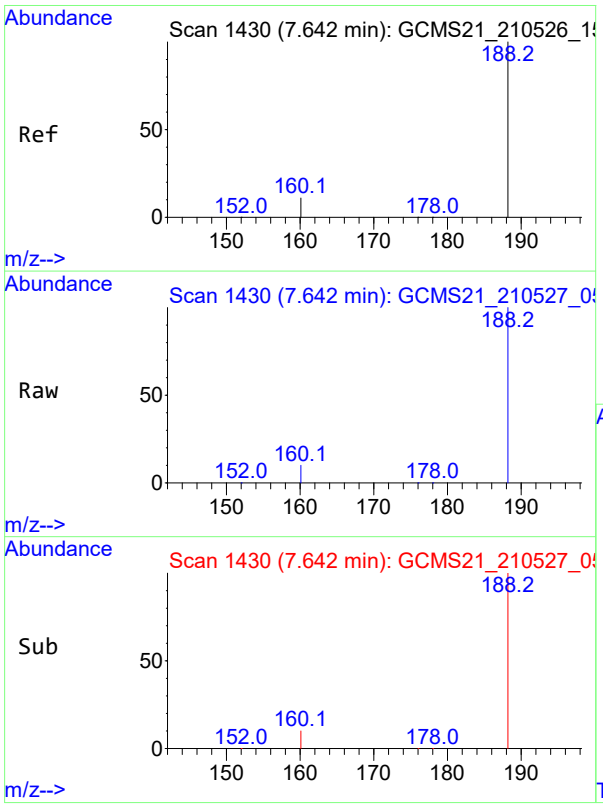


#10
Fluorene
Concen: 3.95 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:166 Resp: 3964

Ion	Ratio	Lower	Upper
166	100		
165	101.4	65.1	125.1

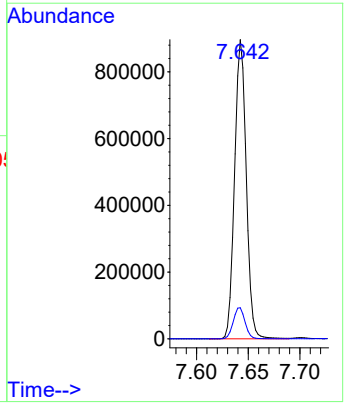


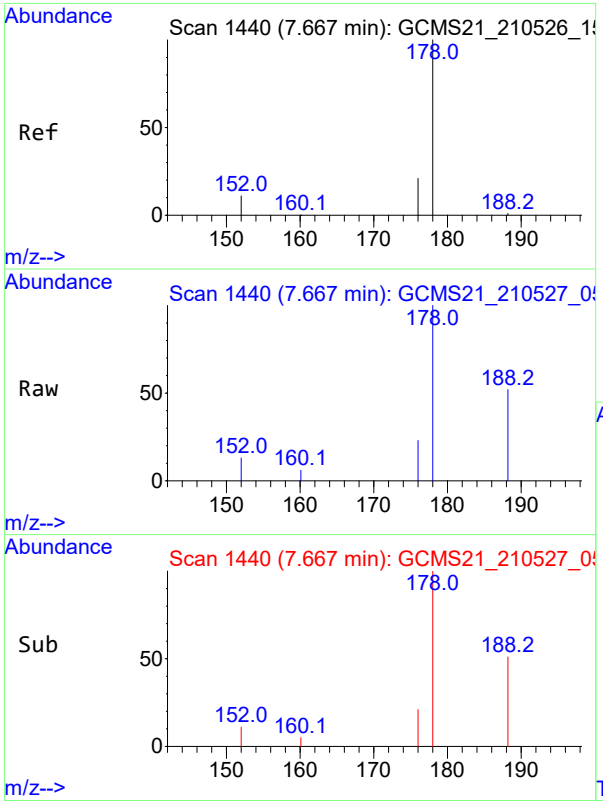


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:188 Resp: 701548

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	39.8

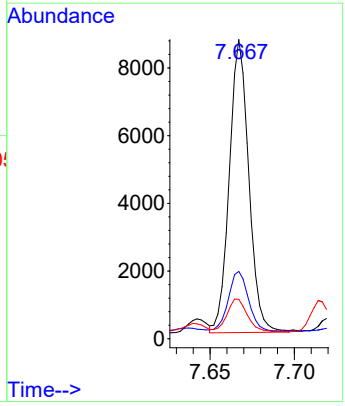


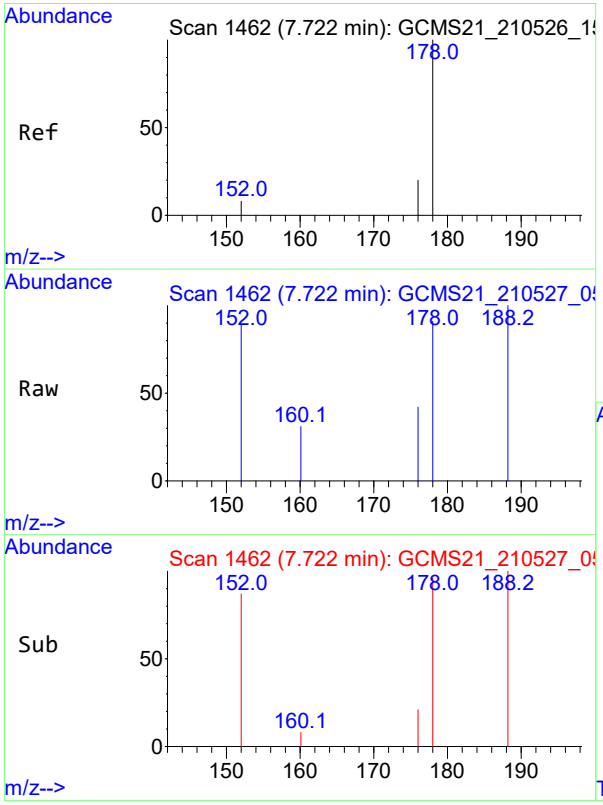


#12
Phenanthrene
Concen: 4.11 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:178 Resp: 6954

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	11.7	0.0	40.5

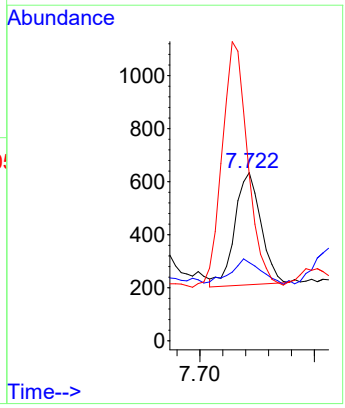


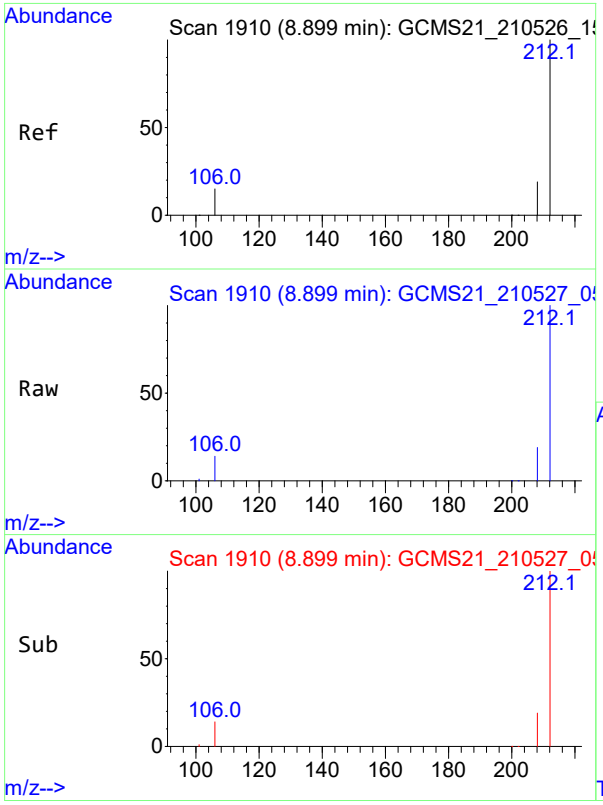


#13
Anthracene
Concen: 0.24 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:178 Resp: 334

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	50.2
152	217.4	0.0	38.2#

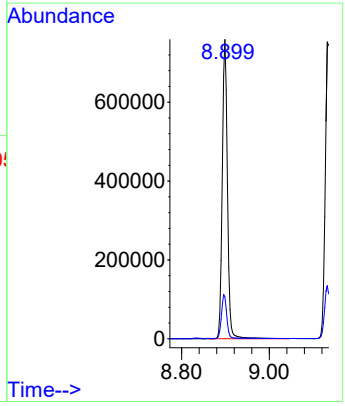


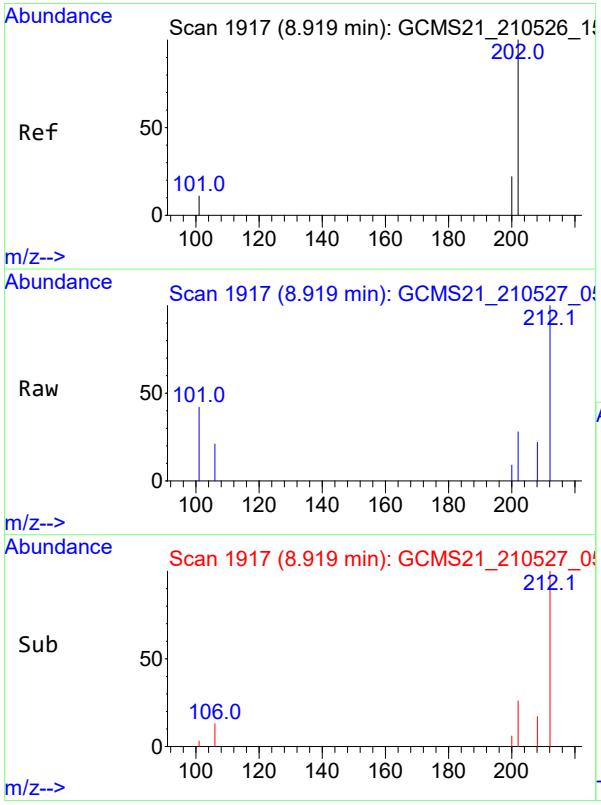


#14
Fluoranthene-D10
Concen: 408.51 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:212 Resp: 620559

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

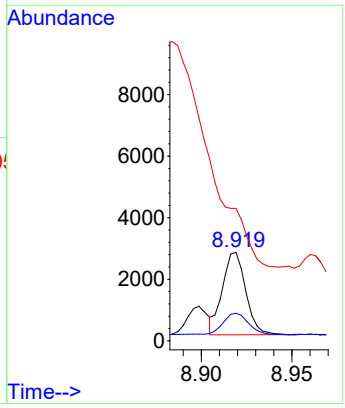


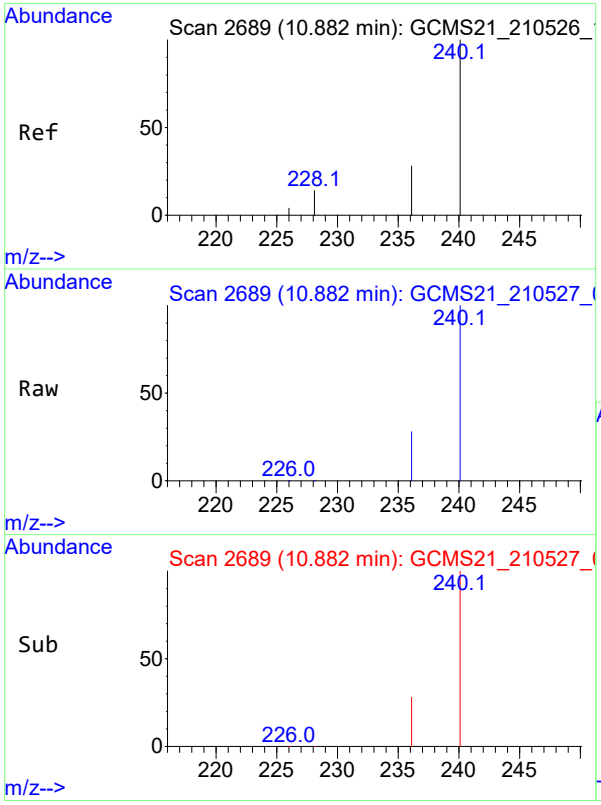


#15
Fluoranthene
Concen: 1.34 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:202 Resp: 2395

Ion	Ratio	Lower	Upper
202	100		
200	29.9	0.0	52.4
101	37.9	0.0	41.1

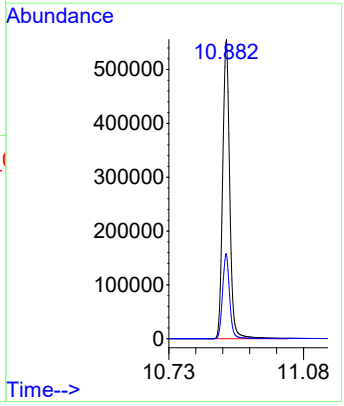


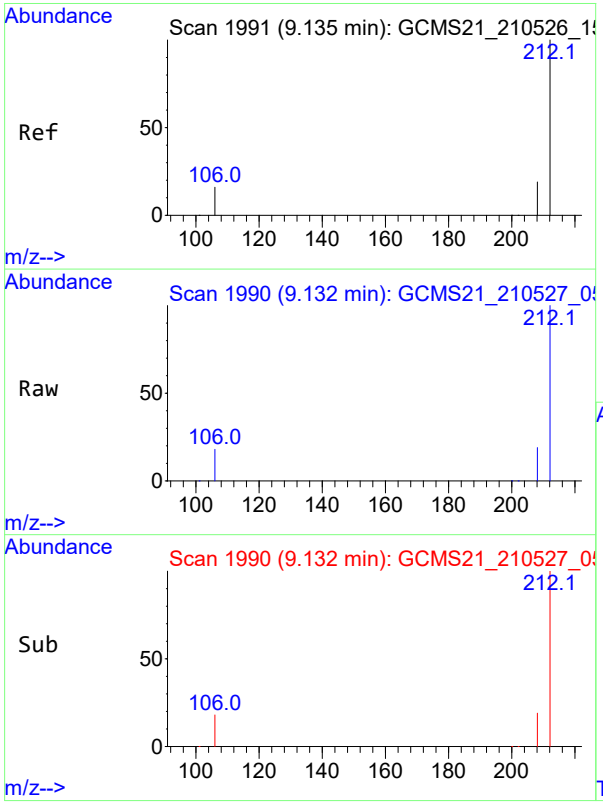


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:240 Resp: 714504

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

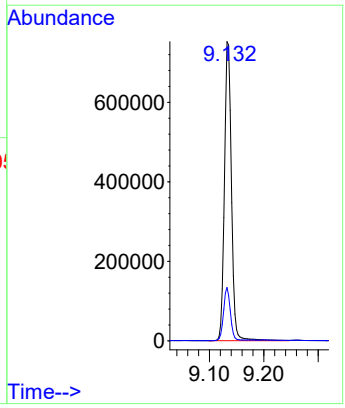


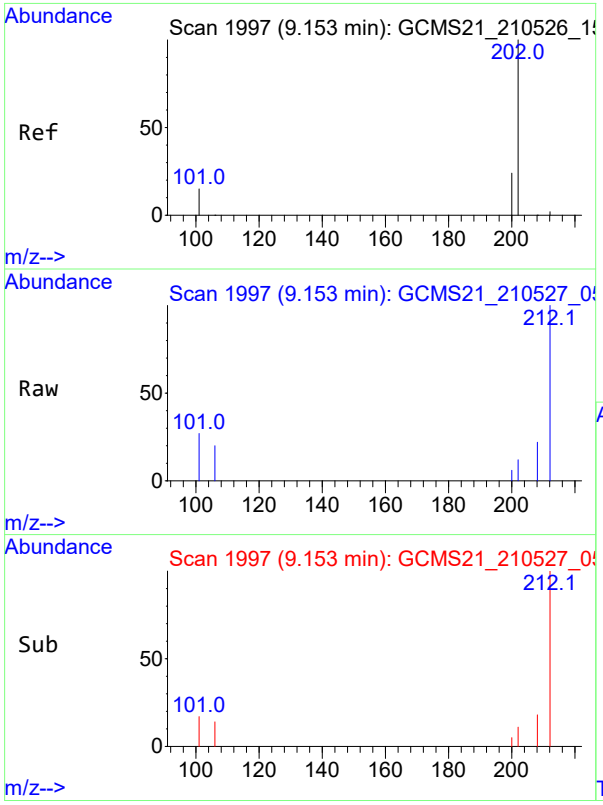


#17
Pyrene-D10
Concen: 411.34 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:212 Resp: 670560

Ion	Ratio	Lower	Upper
212	100		
106	17.1	0.0	46.2

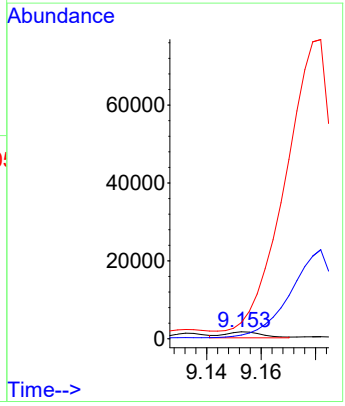


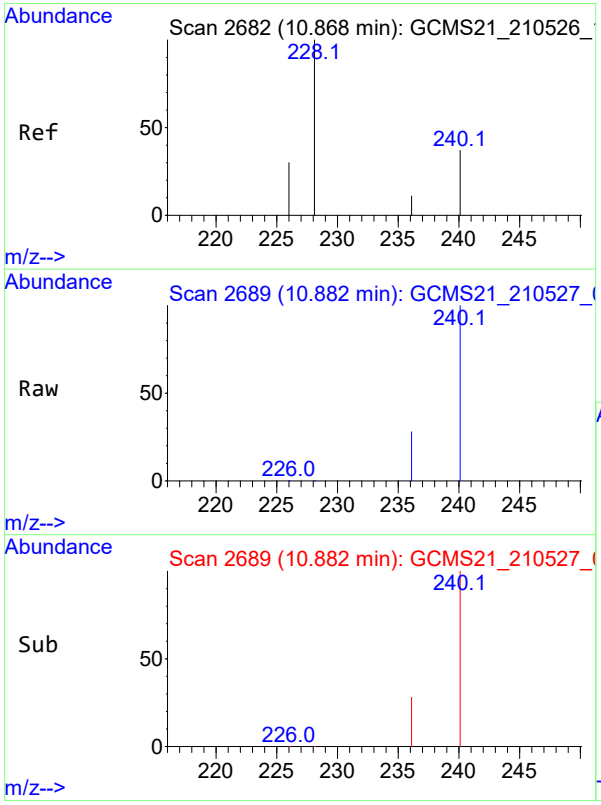


#18
Pyrene
Concen: 0.77 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:202 Resp: 1463

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

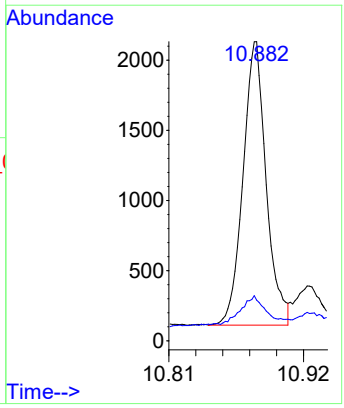


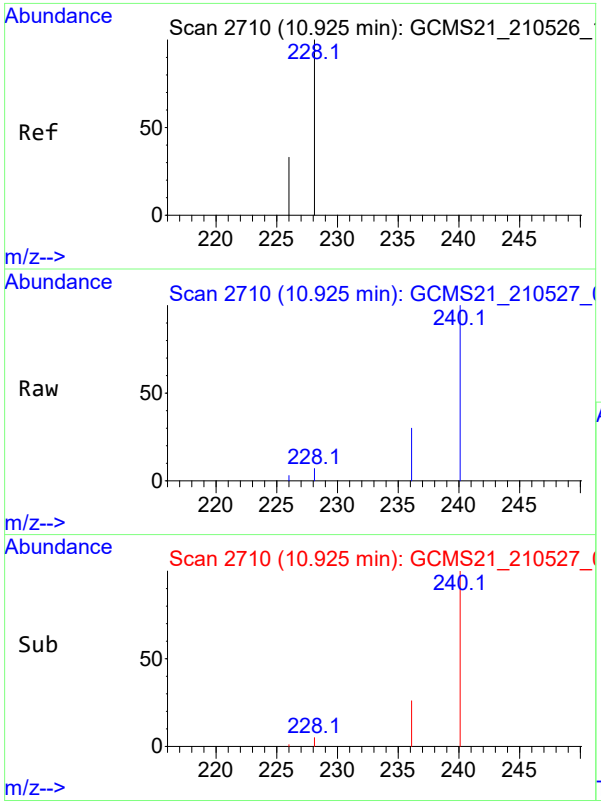


#19
Benzo(a)anthracene
Concen: 1.92 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.014 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:228 Resp: 2763

Ion	Ratio	Lower	Upper
228	100		
226	11.3	0.0	59.8

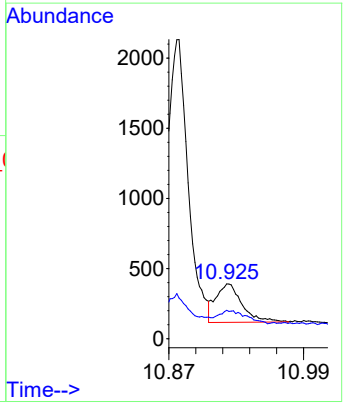


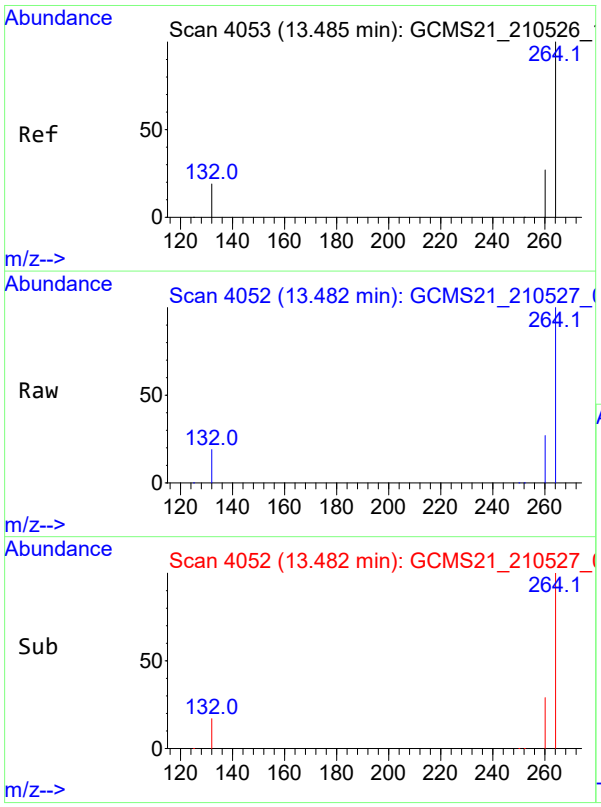


#20
Chrysene
Concen: 0.25 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:228 Resp: 450

Ion	Ratio	Lower	Upper
228	100		
226	35.6	2.8	62.8

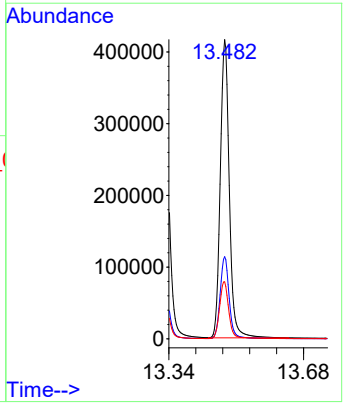


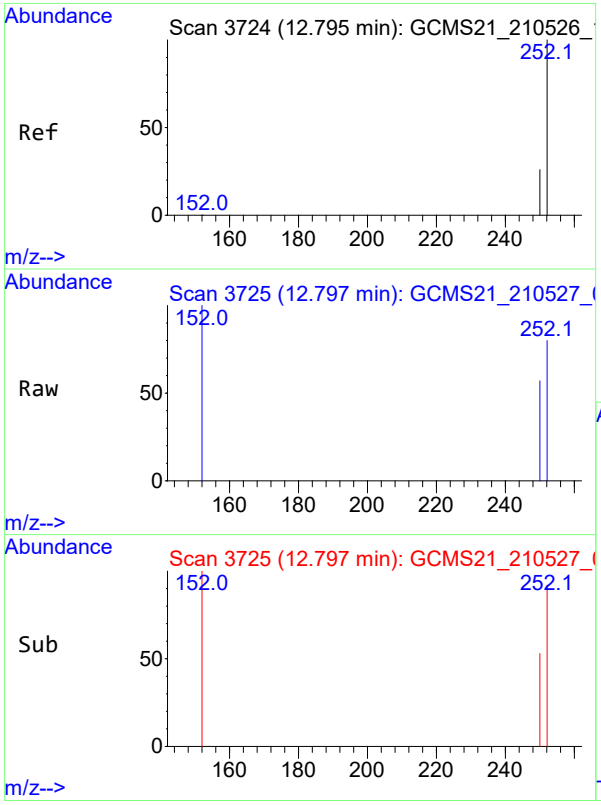


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:264 Resp: 658319

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.3	0.0	49.5

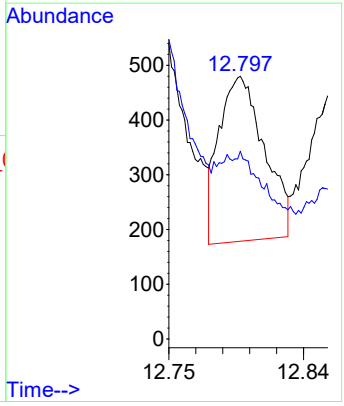


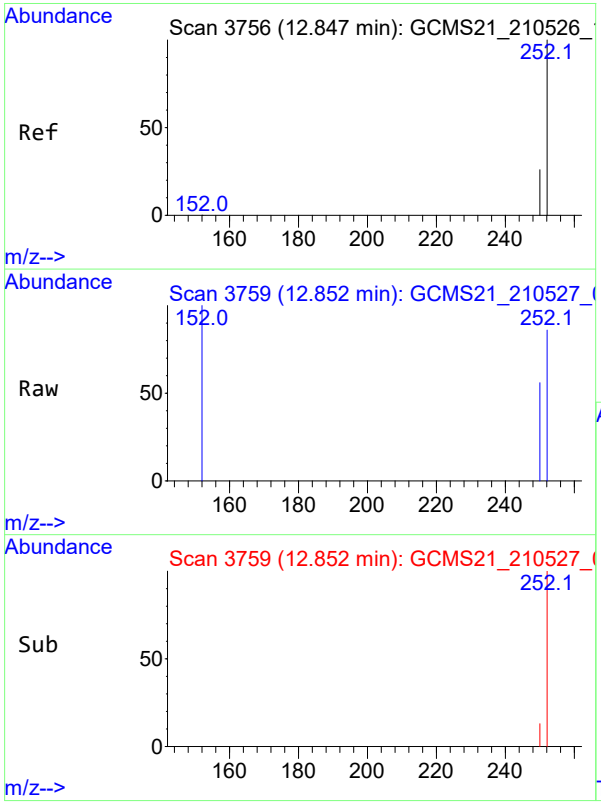


#22
Benzo(b)fluoranthene
Concen: 0.43 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:252 Resp: 584

Ion	Ratio	Lower	Upper
252	100		
250	20.4	0.0	56.2

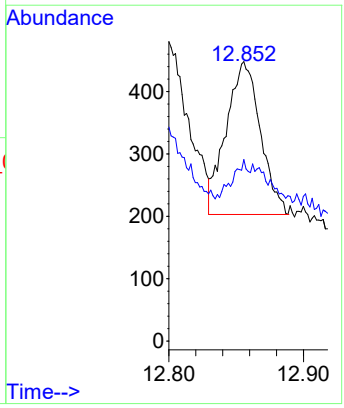


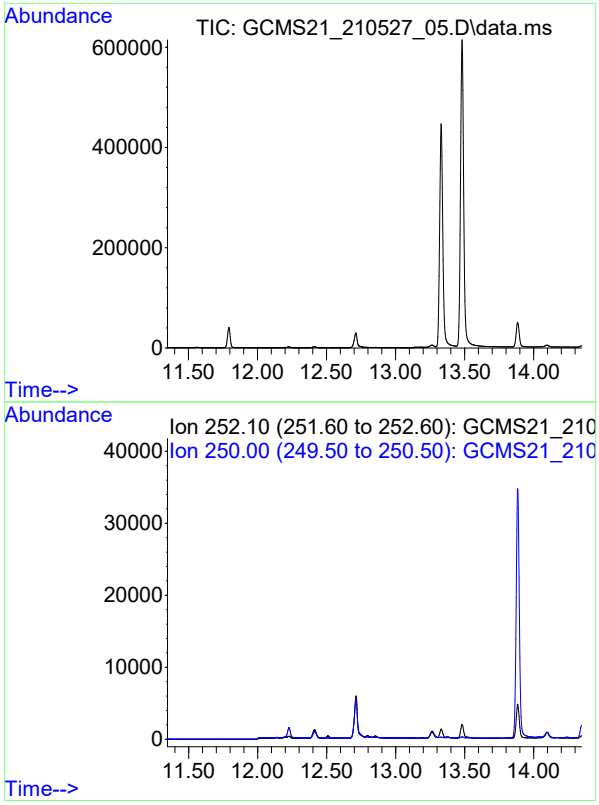


#23
Benzo(k)fluoranthene
Concen: 0.29 ng/mL
RT: 12.852 min Scan# 3759
Delta R.T. 0.005 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:252 Resp: 432

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.6



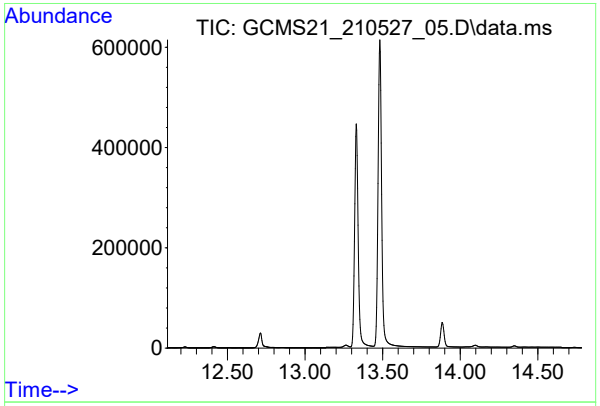


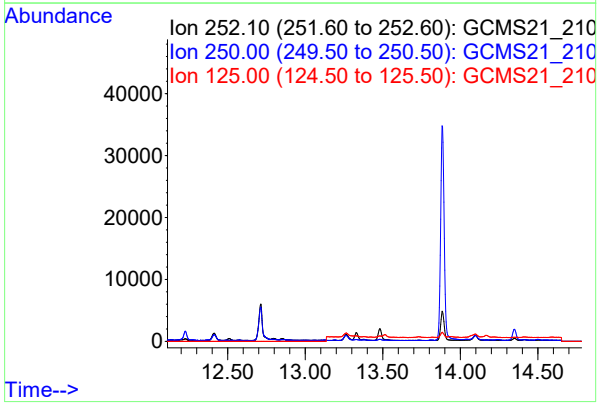
#24
benzo(b+k)fluoranthene (sum)
Concen: N.D.
Expected RT: 12.85 min

Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	25.6



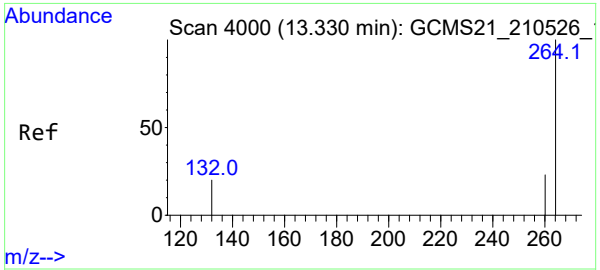


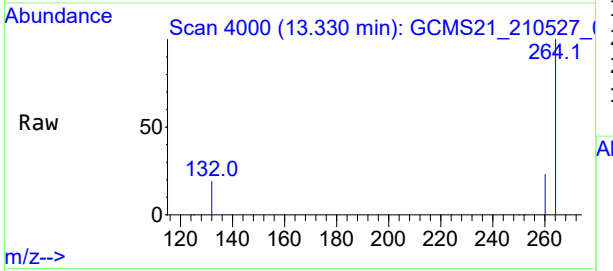
#25
Benzo(e)pyrene
Concen: N.D.
Expected RT: 13.28 min

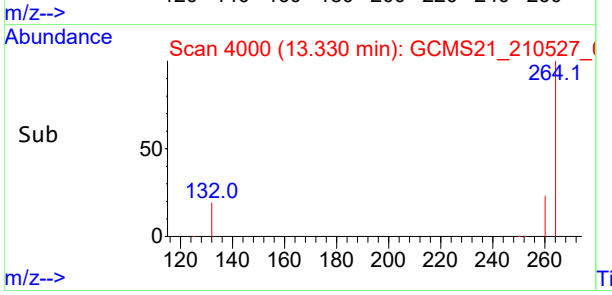
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	32.2
125	15.4



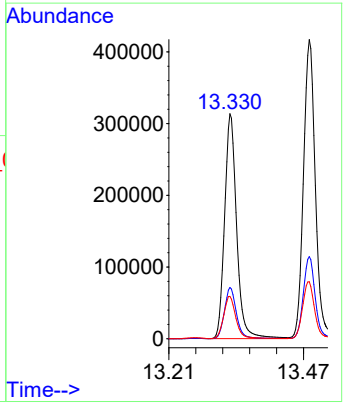


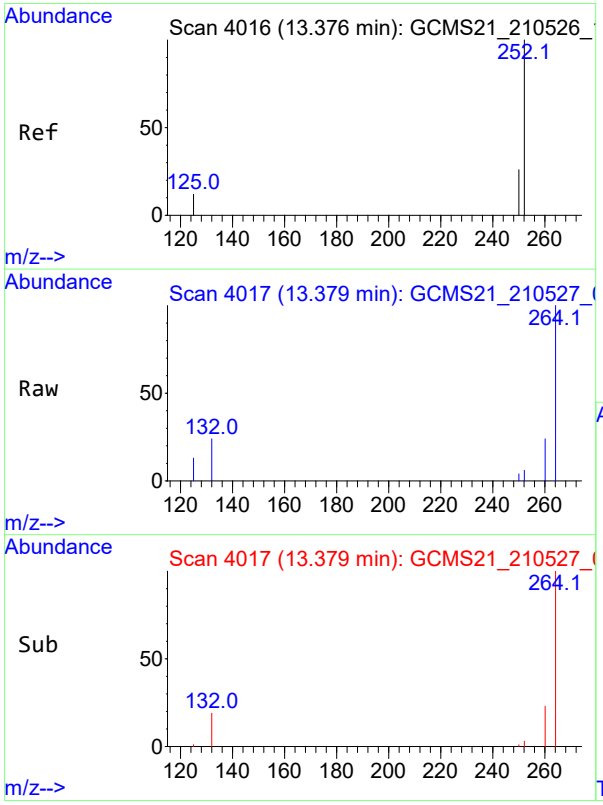


#26
Benzo(a)pyrene-D12
Concen: 468.72 ng/mL
RT: 13.330 min Scan# 4000
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:264 Resp: 501325

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.9	0.0	49.7

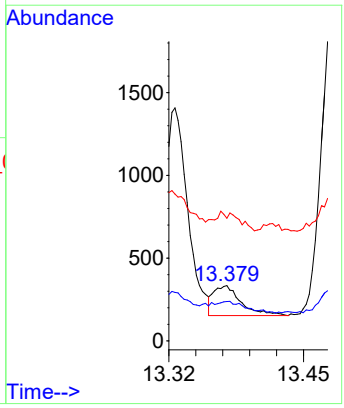


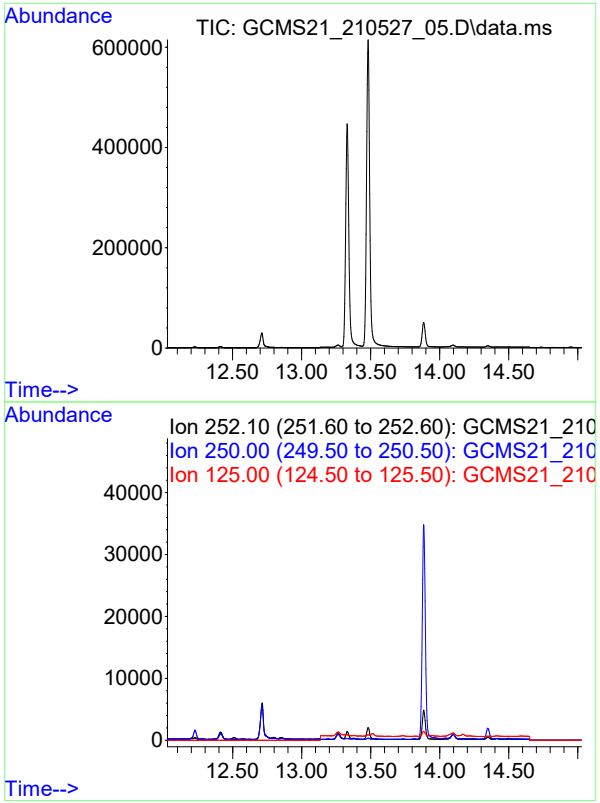


#27
Benzo(a)pyrene
Concen: 0.26 ng/mL
RT: 13.379 min Scan# 4017
Delta R.T. 0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:252 Resp: 330

Ion	Ratio	Lower	Upper
252	100		
250	30.9	0.0	56.4
125	0.0	0.0	41.7



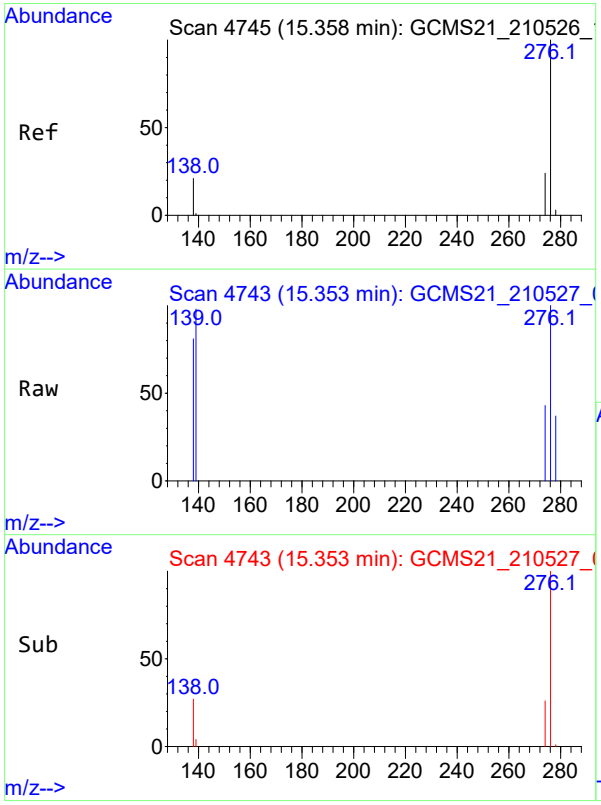


#28
Perylene
Concen: N.D.
Expected RT: 13.53 min

Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion: 252

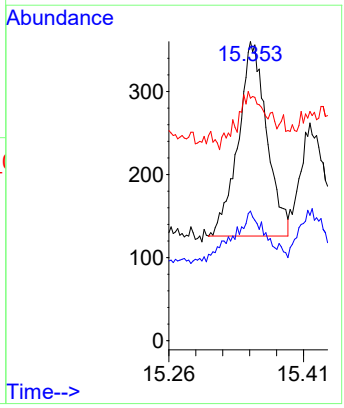
Sig	Exp Ratio
252	100
250	31.5
125	16.6

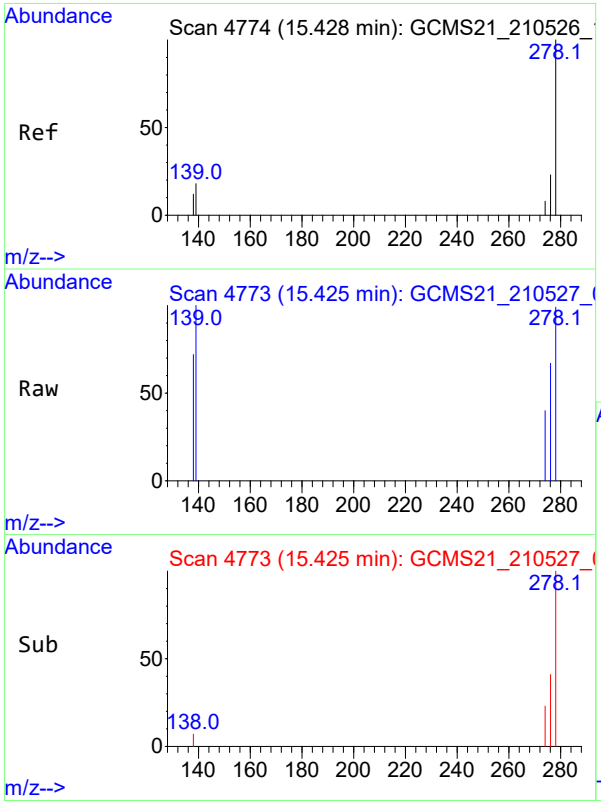


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.48 ng/mL
RT: 15.353 min Scan# 4743
Delta R.T. -0.005 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:276 Resp: 507

Ion	Ratio	Lower	Upper
276	100		
274	27.4	0.0	53.8
138	0.0	0.0	50.7

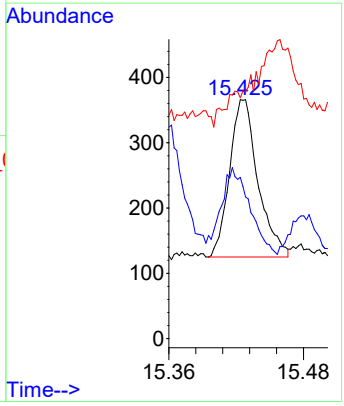


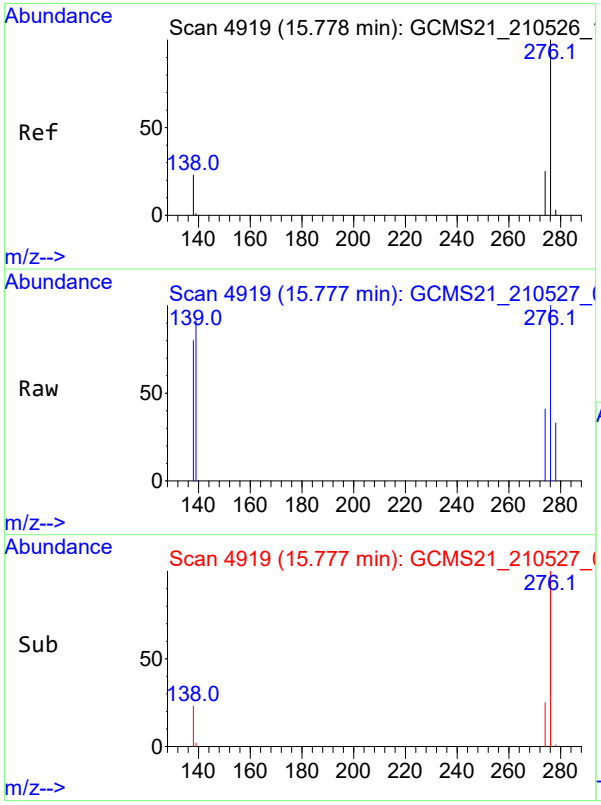


#30
Dibenz(a,h)anthracene
Concen: 0.41 ng/mL
RT: 15.425 min Scan# 4773
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:278 Resp: 433

Ion	Ratio	Lower	Upper
278	100		
276	64.4	0.0	52.8#
139	0.0	0.0	47.6

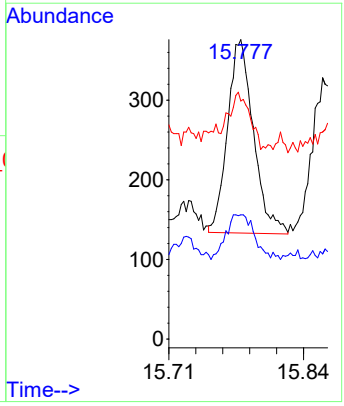




#31
Benzo(g,h,i)perylene
Concen: 0.31 ng/mL
RT: 15.777 min Scan# 4919
Delta R.T. -0.001 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:276 Resp: 423

Ion	Ratio	Lower	Upper
276	100		
274	24.8	0.0	54.8
138	0.0	0.0	52.9



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_05.D
Acq On : 27 May 2021 11:59
Operator : MN GCMS21
Sample : B21E006-BLK1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 11:28:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

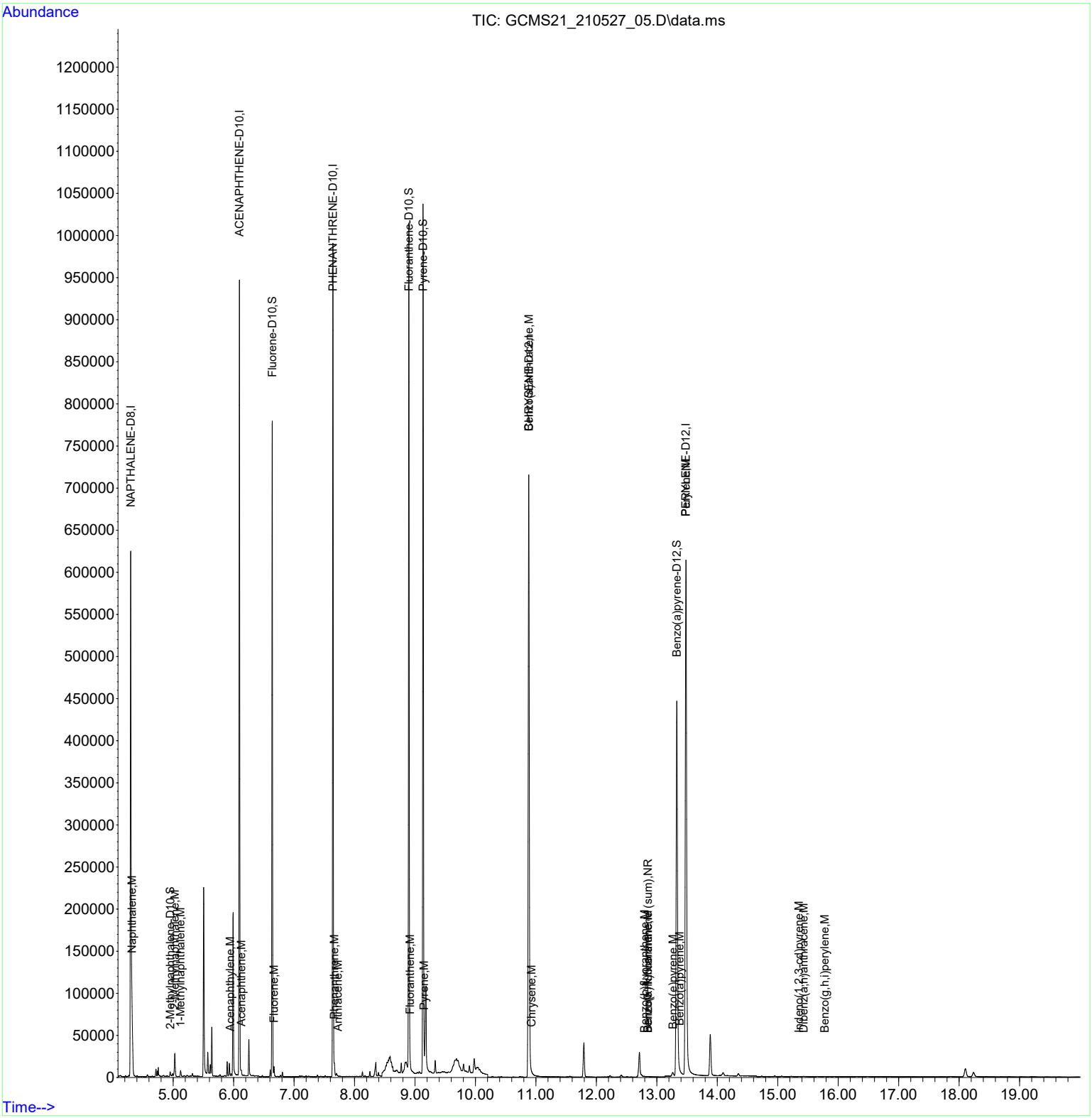
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	592411	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	356894	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	701548	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	714504	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	658319	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.955	152	124	0.17	ng/mL	-0.04
9) Fluorene-D10	6.639	176	301242	352.56	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	620559	408.51	ng/mL	0.00
17) Pyrene-D10	9.132	212	670560	411.34	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.330	264	501325	468.72	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.318	128	17838	15.69	ng/mL	100
4) 2-Methylnaphthalene	5.027	142	7641	9.13	ng/mL	97
5) 1-Methylnaphthalene	5.123	142	3023	4.34	ng/mL	100
7) Acenaphthylene	5.942	152	629	0.53	ng/mL#	1
8) Acenaphthene	6.126	153	1553	1.71	ng/mL#	30
10) Fluorene	6.668	166	3964	3.95	ng/mL	93
12) Phenanthrene	7.667	178	6954	4.11	ng/mL	99
13) Anthracene	7.722	178	334	0.24	ng/mL#	1
15) Fluoranthene	8.919	202	2395	1.34	ng/mL	66
18) Pyrene	9.153	202	1463	0.77	ng/mL#	56
19) Benzo(a)anthracene	10.882	228	2763	1.92	ng/mL	66
20) Chrysene	10.925	228	450	0.25	ng/mL	95
22) Benzo(b)fluoranthene	12.797	252	584	0.43	ng/mL	89
23) Benzo(k)fluoranthene	12.852	252	432	0.29	ng/mL#	49
24) benzo(b+k)fluoranthene...	12.852	252	460	0.31	ng/mL#	49
25) Benzo(e)pyrene	13.265	252	2028	1.47	ng/mL#	1
27) Benzo(a)pyrene	13.379	252	330	0.26	ng/mL#	85
28) Perylene	13.482	252	3203	2.29	ng/mL	66
29) Indeno(1,2,3-cd)pyrene	15.353	276	507	0.48	ng/mL#	75
30) Dibenz(a,h)anthracene	15.425	278	433	0.41	ng/mL#	34
31) Benzo(g,h,i)perylene	15.777	276	423	0.31	ng/mL#	77

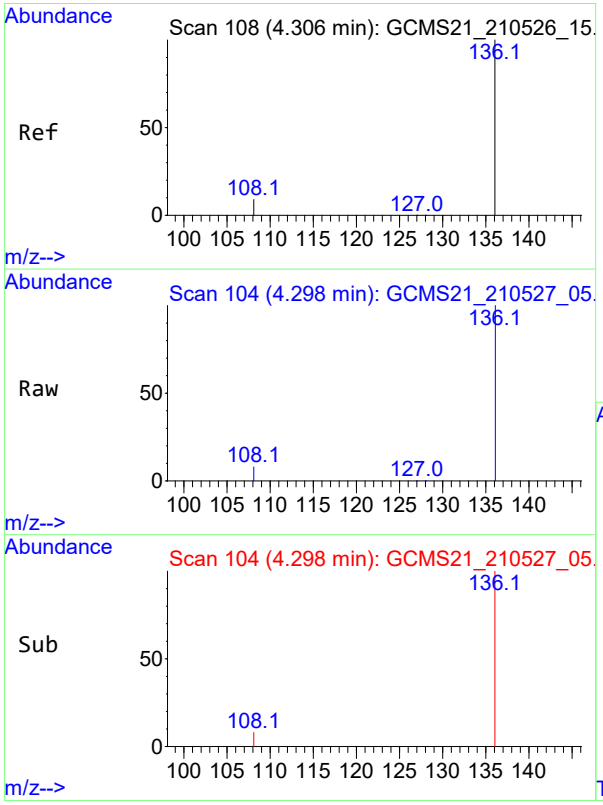
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_05.D
Acq On : 27 May 2021 11:59
Operator : MN GCMS21
Sample : B21E006-BLK1
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 11:28:33 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

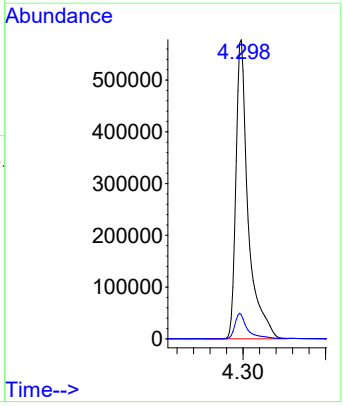


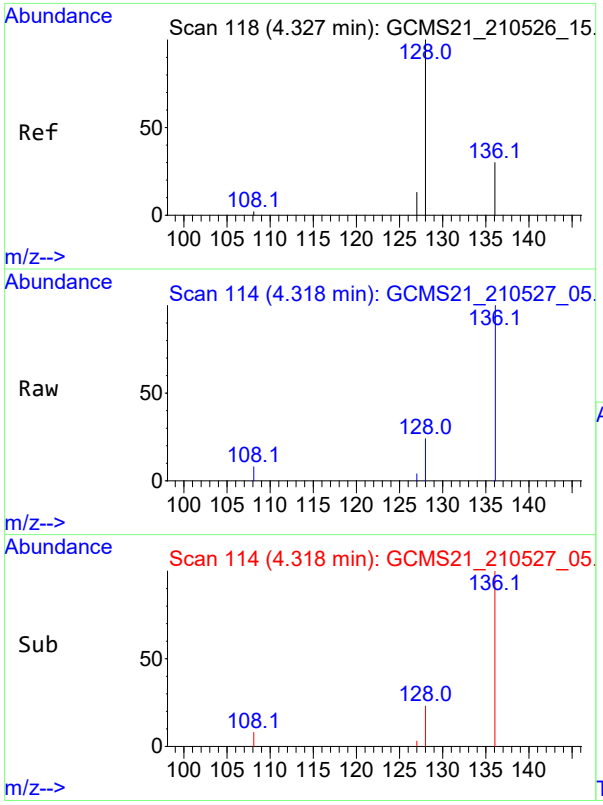


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:136 Resp: 592411

Ion	Ratio	Lower	Upper
136	100		
108	8.8	0.0	28.3

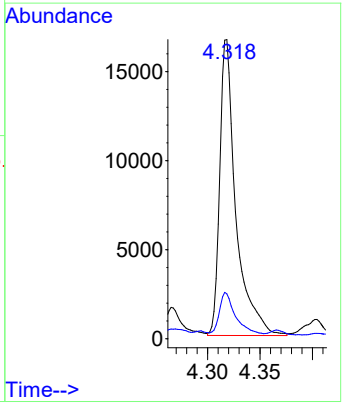


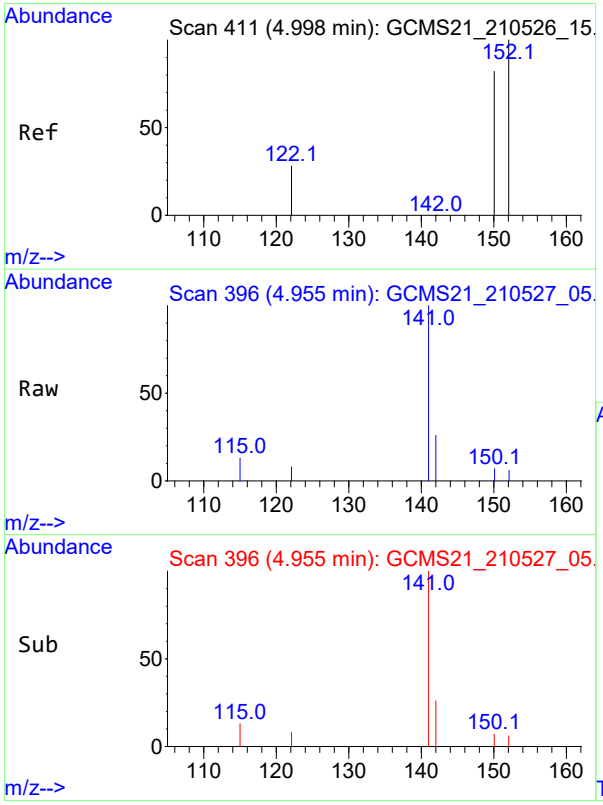


#2
Naphthalene
Concen: 15.69 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:128 Resp: 17838

Ion	Ratio	Lower	Upper
128	100		
127	13.5	0.0	43.3

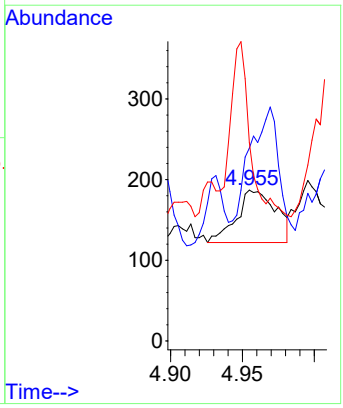


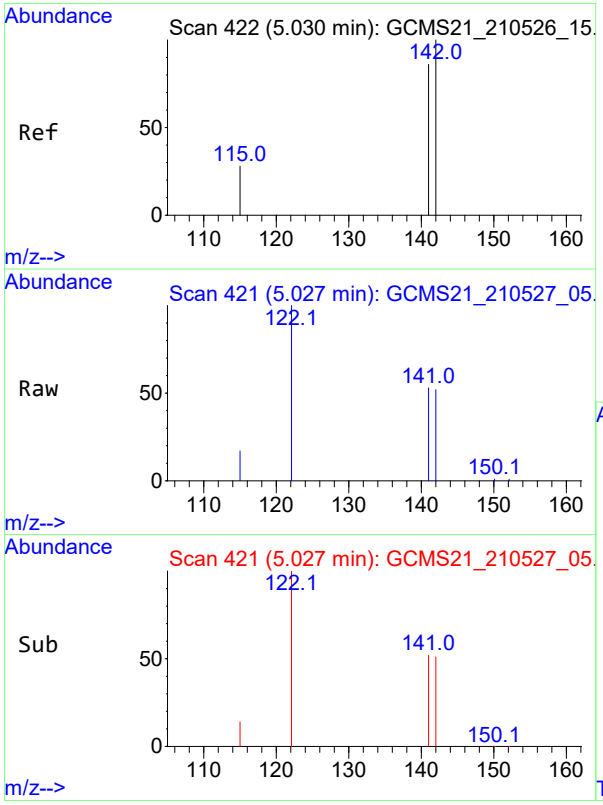


#3
2-Methylnaphthalene-D10
Concen: 0.17 ng/mL
RT: 4.955 min Scan# 396
Delta R.T. -0.044 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:152 Resp: 124

Ion	Ratio	Lower	Upper
152	100		
150	168.5	52.3	112.3#
122	162.1	0.0	57.5#

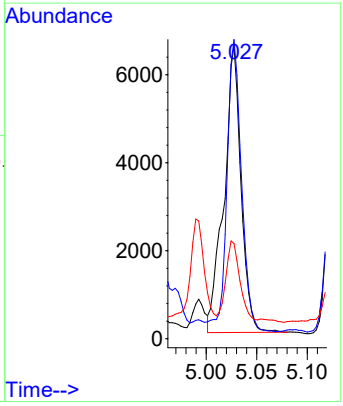


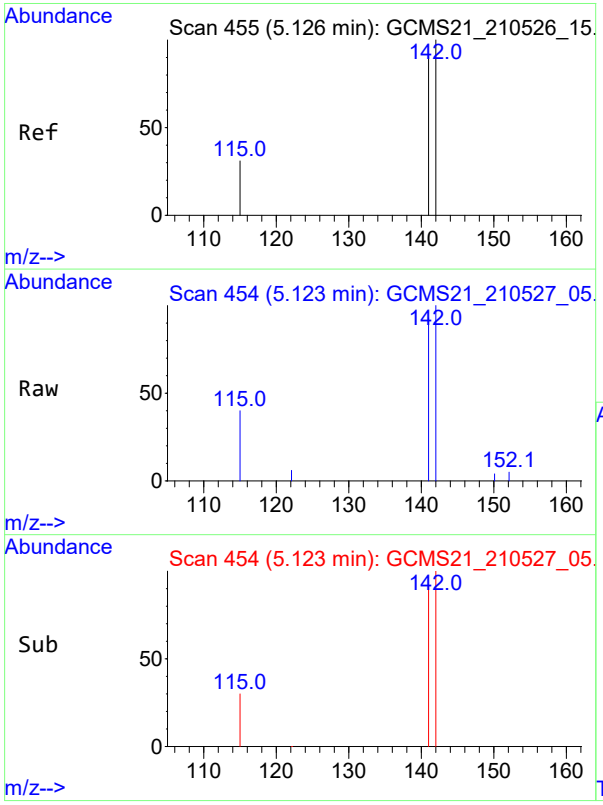


#4
2-Methylnaphthalene
Concen: 9.13 ng/mL
RT: 5.027 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:142 Resp: 7641

Ion	Ratio	Lower	Upper
142	100		
141	87.5	56.3	116.3
115	22.1	0.0	57.4

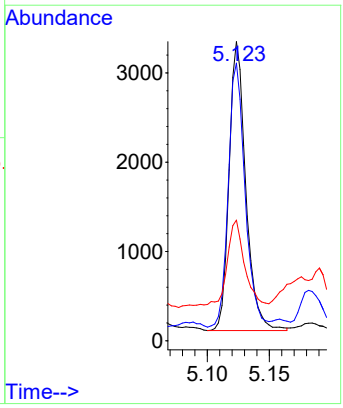


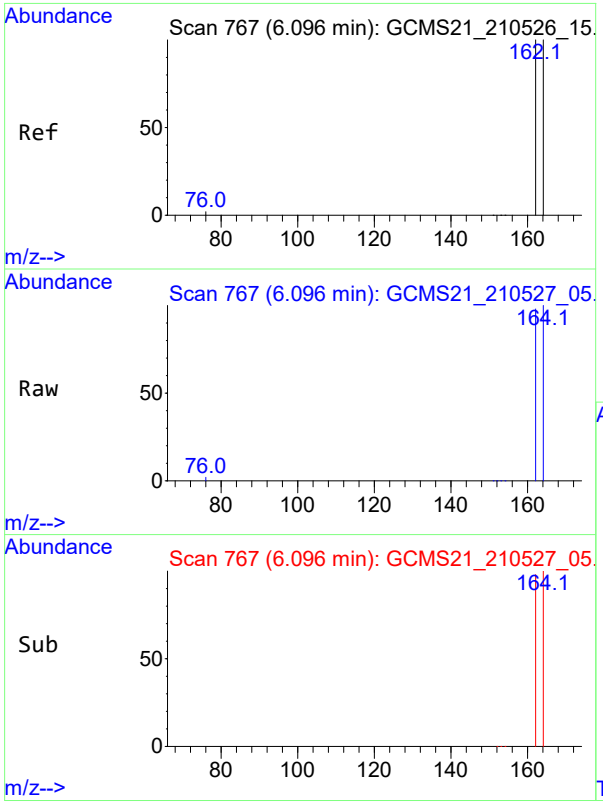


#5
1-Methylnaphthalene
Concen: 4.34 ng/mL
RT: 5.123 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:142 Resp: 3023

Ion	Ratio	Lower	Upper
142	100		
141	91.7	61.5	121.5
115	30.8	0.2	60.2

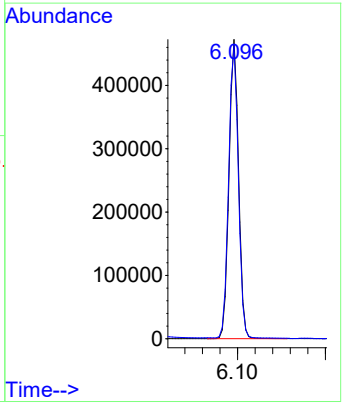


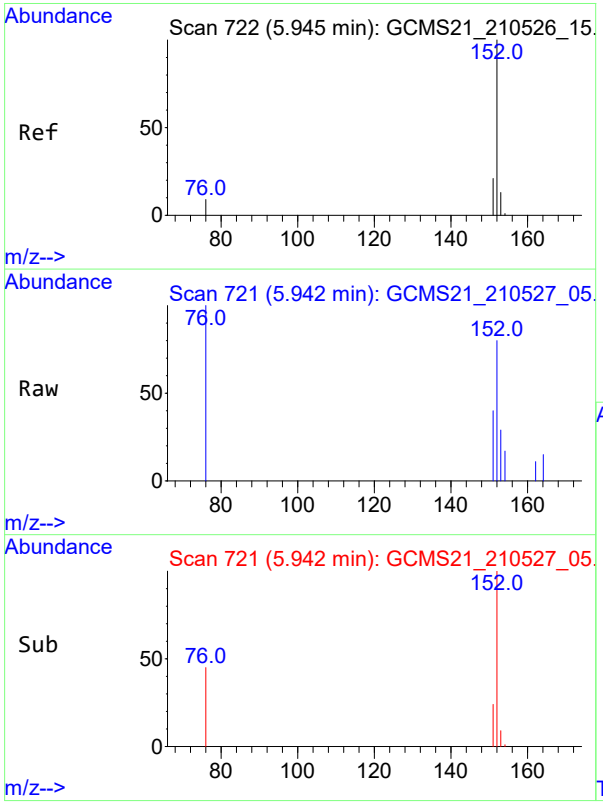


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:164 Resp: 356894

Ion	Ratio	Lower	Upper
164	100		
162	100.1	77.7	117.7

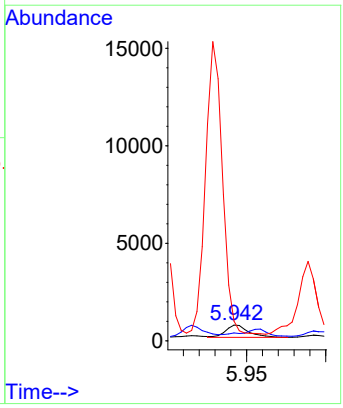


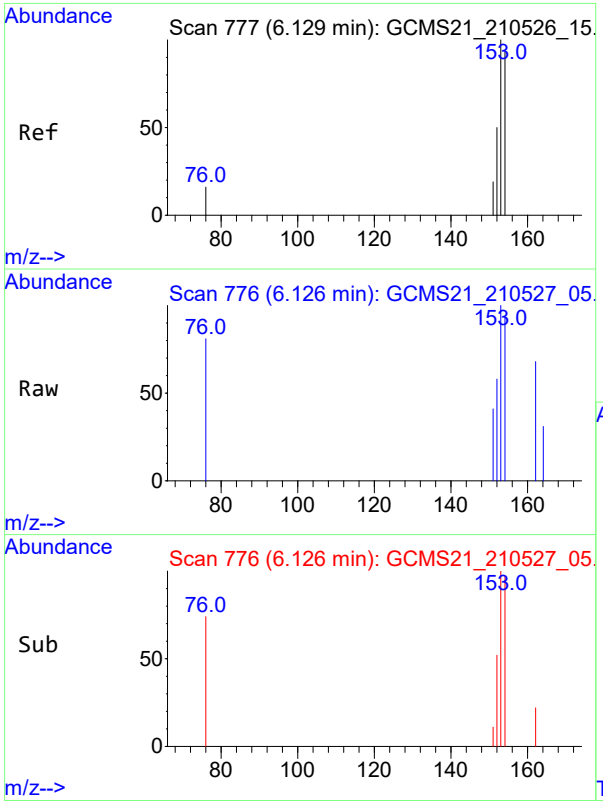


#7
Acenaphthylene
Concen: 0.53 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:152 Resp: 629

Ion	Ratio	Lower	Upper
152	100		
151	80.9	0.0	52.0#
76	1769.0	0.0	39.5#

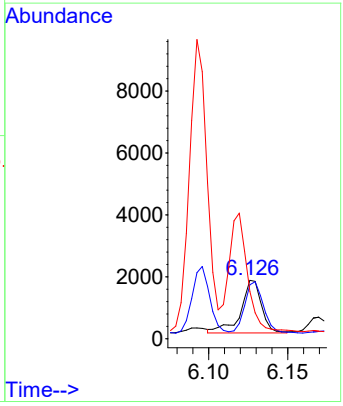


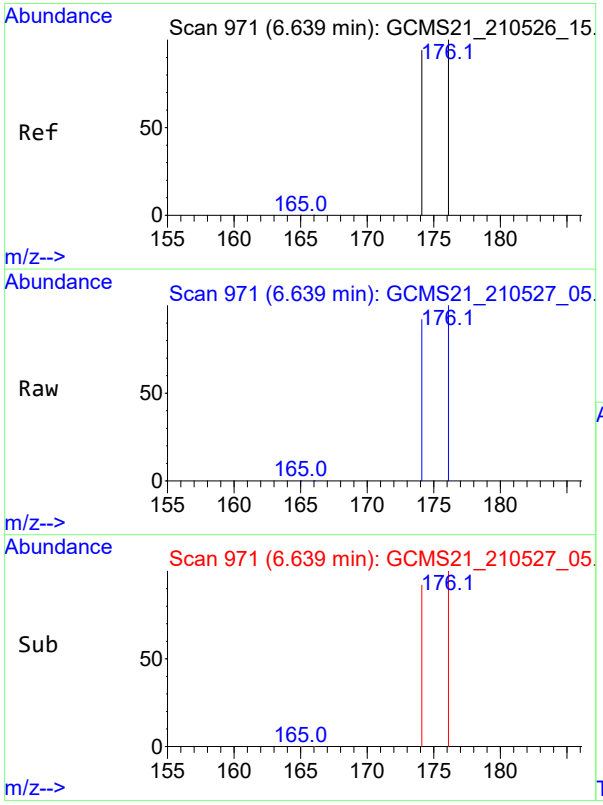


#8
Acenaphthene
Concen: 1.71 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:153 Resp: 1553

Ion	Ratio	Lower	Upper
153	100		
154	87.8	60.4	120.4
76	201.2	0.0	47.4#

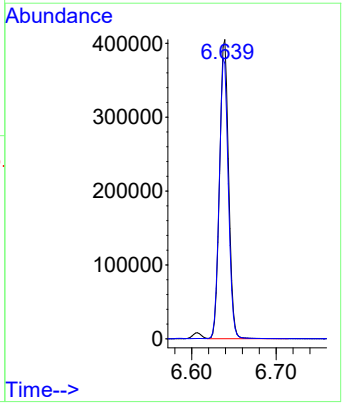


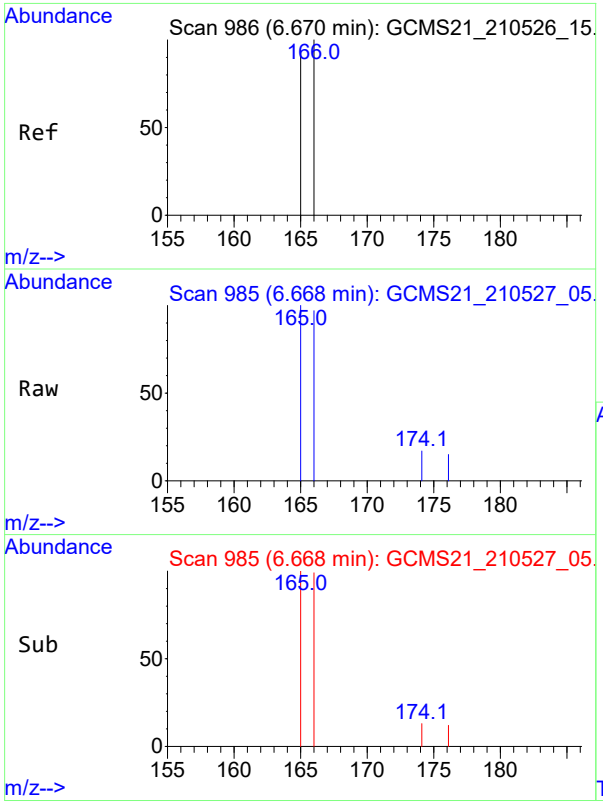


#9
Fluorene-D10
Concen: 352.56 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:176 Resp: 301242

Ion	Ratio	Lower	Upper
176	100		
174	94.0	63.9	123.9

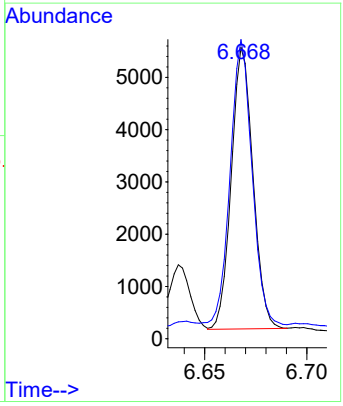


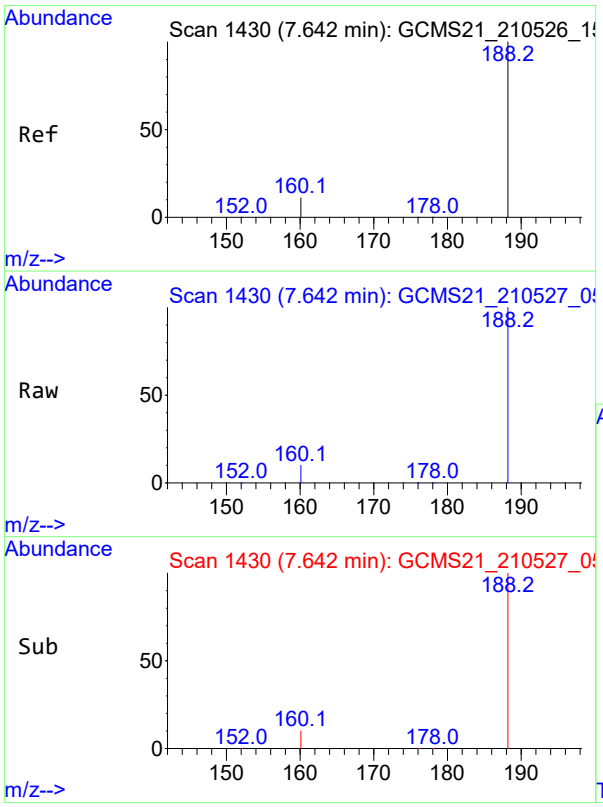


#10
Fluorene
Concen: 3.95 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:166 Resp: 3964

Ion	Ratio	Lower	Upper
166	100		
165	101.4	65.1	125.1

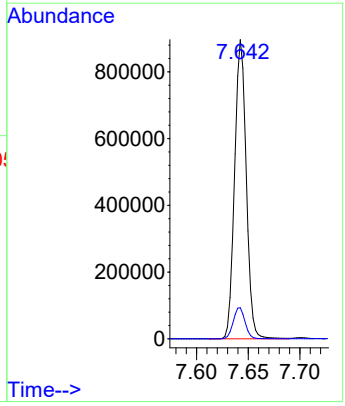


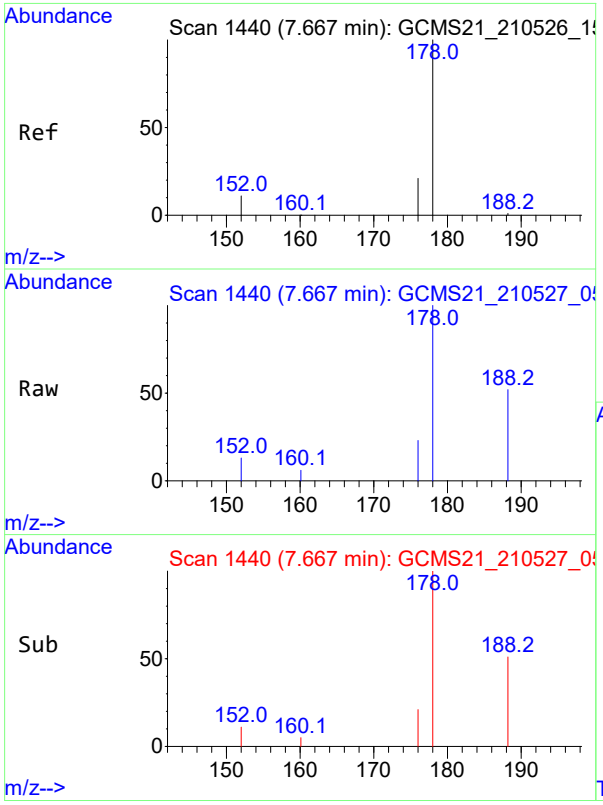


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:188 Resp: 701548

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	39.8

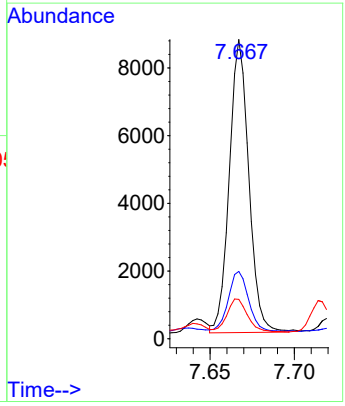


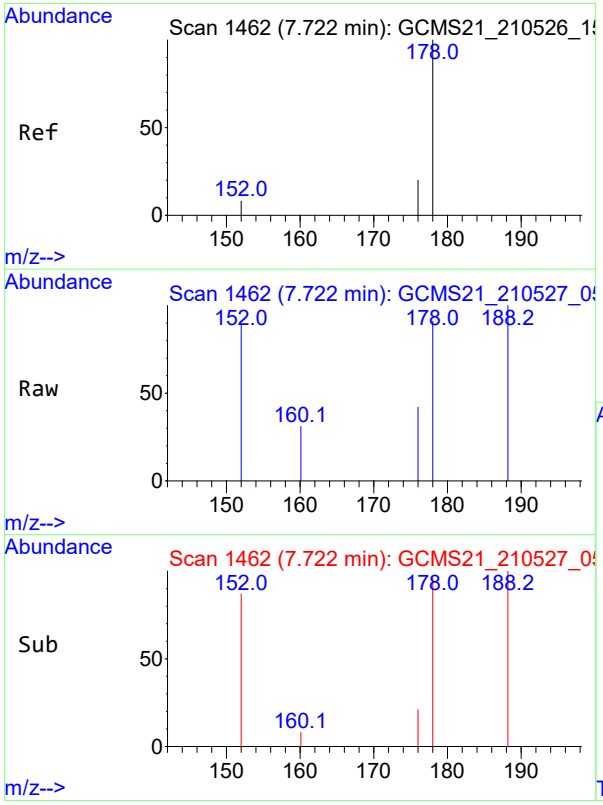


#12
Phenanthrene
Concen: 4.11 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:178 Resp: 6954

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	11.7	0.0	40.5

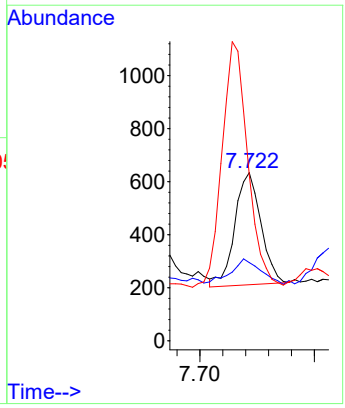


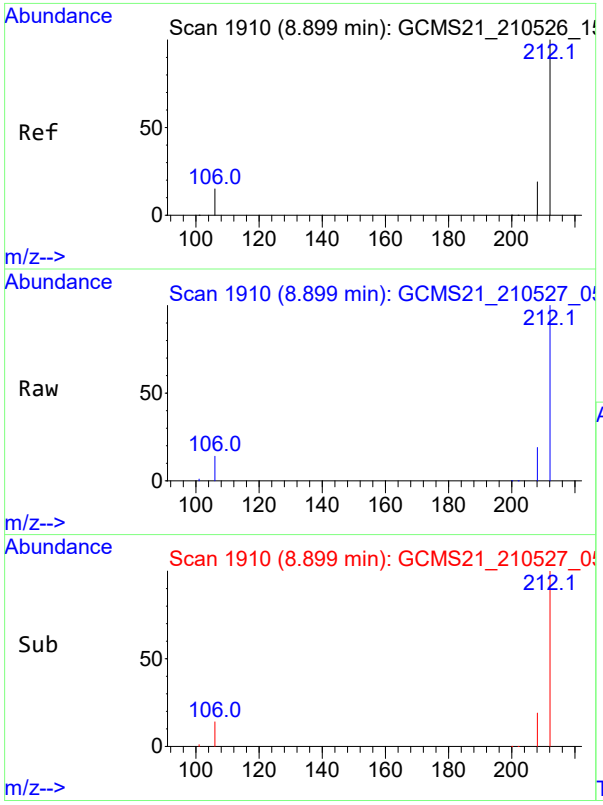


#13
Anthracene
Concen: 0.24 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:178 Resp: 334

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	50.2
152	217.4	0.0	38.2#

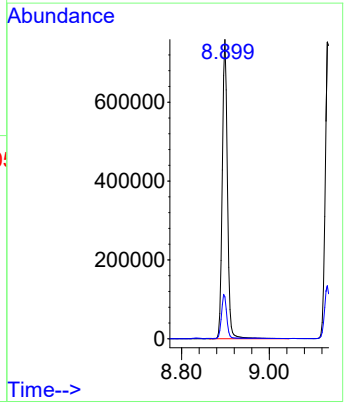


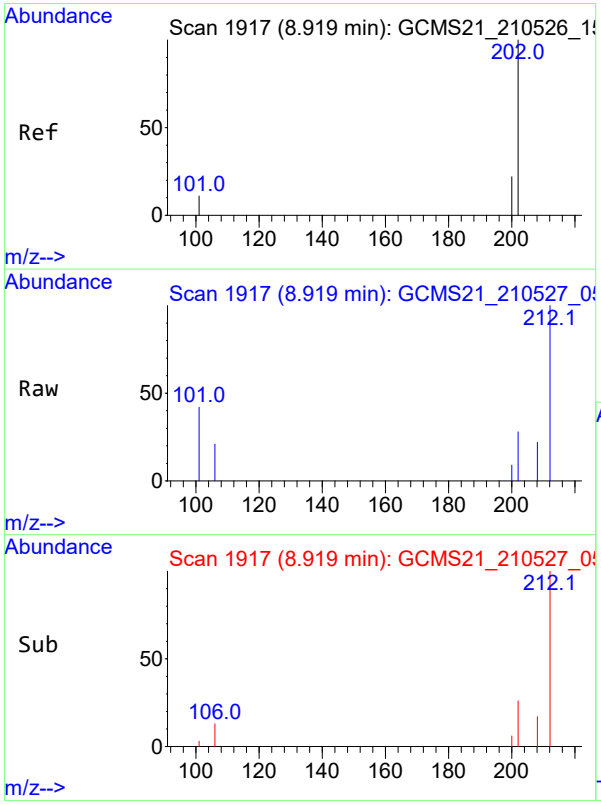


#14
Fluoranthene-D10
Concen: 408.51 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:212 Resp: 620559

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

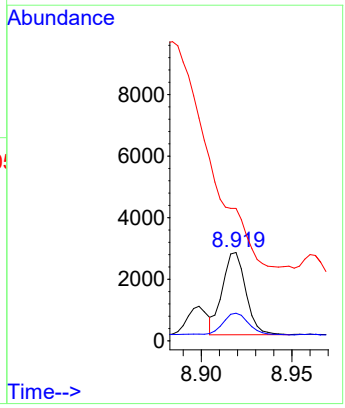


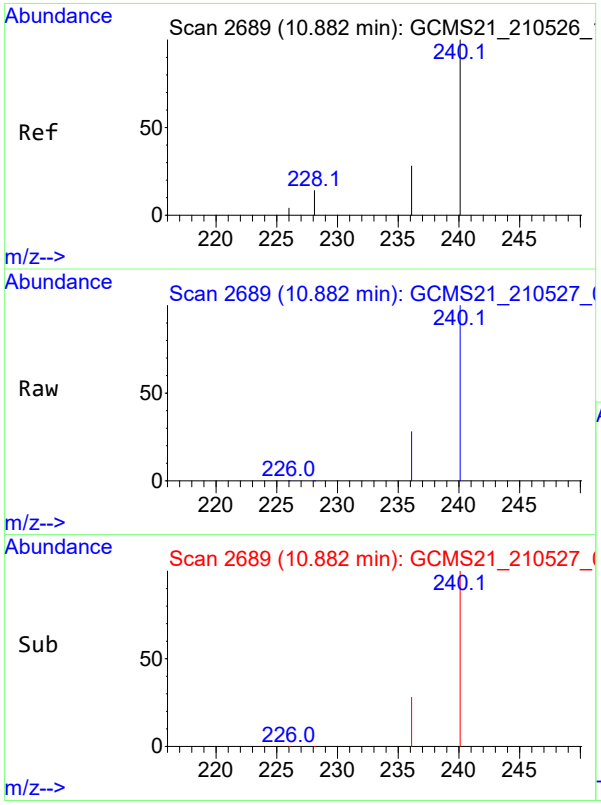


#15
Fluoranthene
Concen: 1.34 ng/mL
RT: 8.919 min Scan# 1917
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:202 Resp: 2395

Ion	Ratio	Lower	Upper
202	100		
200	29.9	0.0	52.4
101	37.9	0.0	41.1

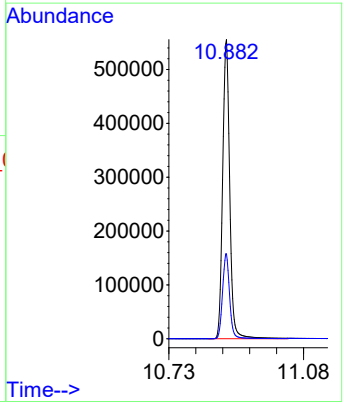


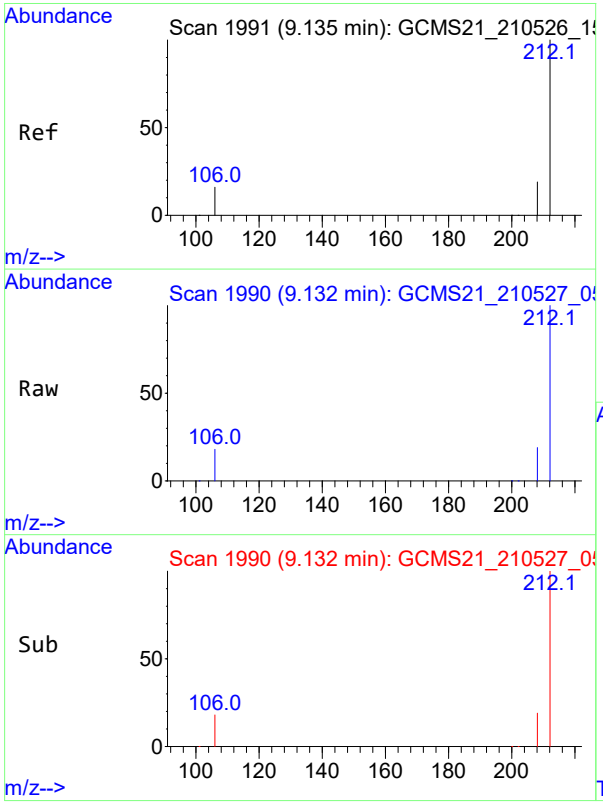


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:240 Resp: 714504

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

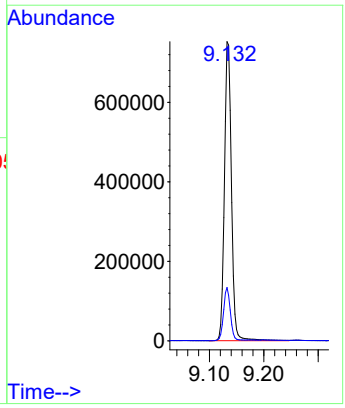


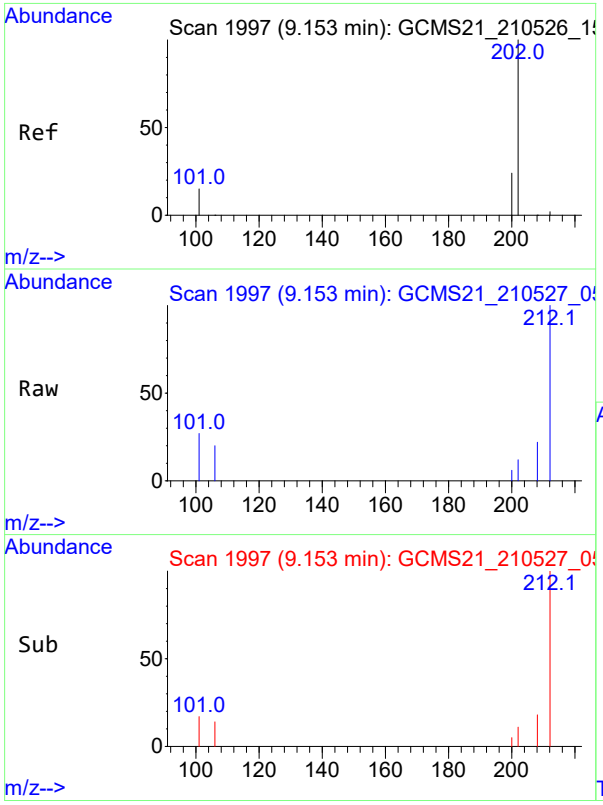


#17
Pyrene-D10
Concen: 411.34 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:212 Resp: 670560

Ion	Ratio	Lower	Upper
212	100		
106	17.1	0.0	46.2

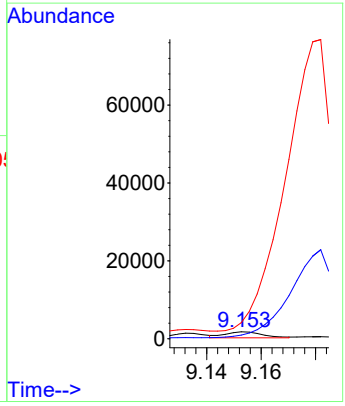


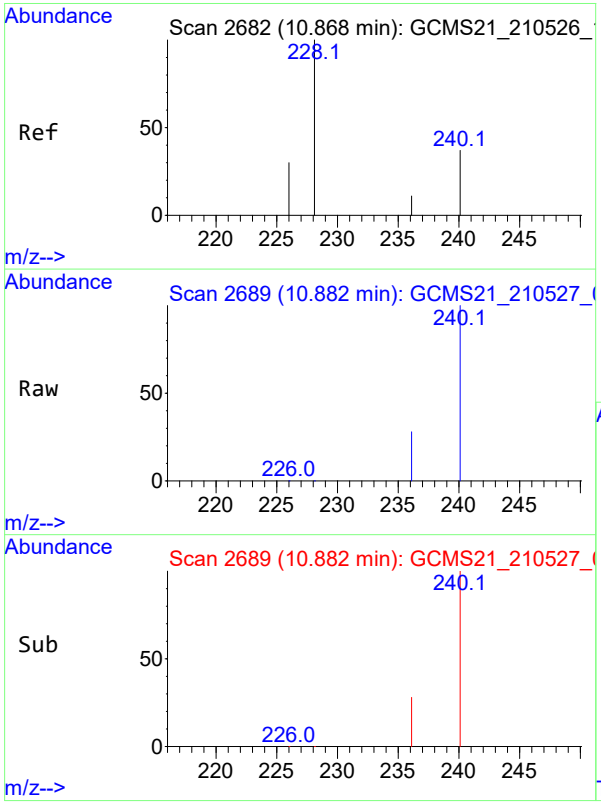


#18
Pyrene
Concen: 0.77 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:202 Resp: 1463

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

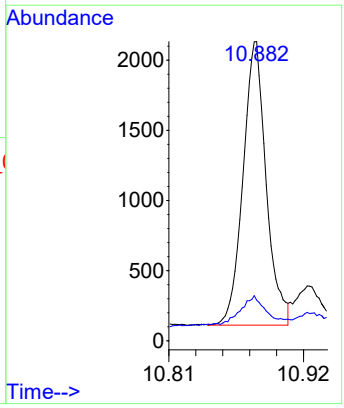


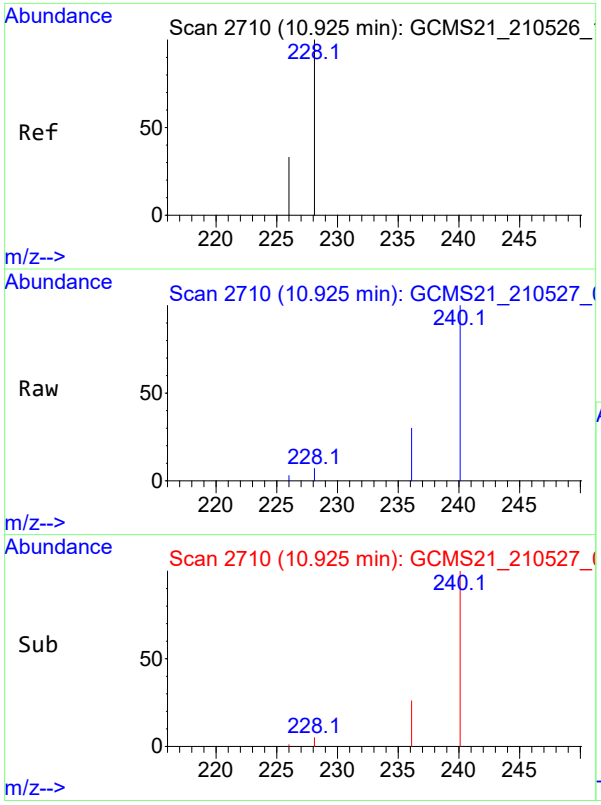


#19
Benzo(a)anthracene
Concen: 1.92 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.014 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:228 Resp: 2763

Ion	Ratio	Lower	Upper
228	100		
226	11.3	0.0	59.8

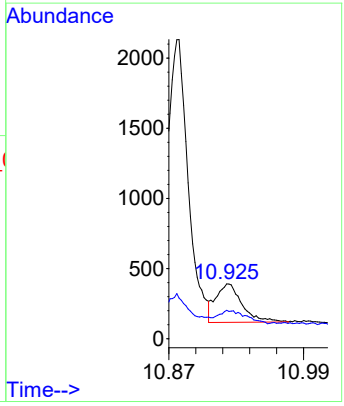


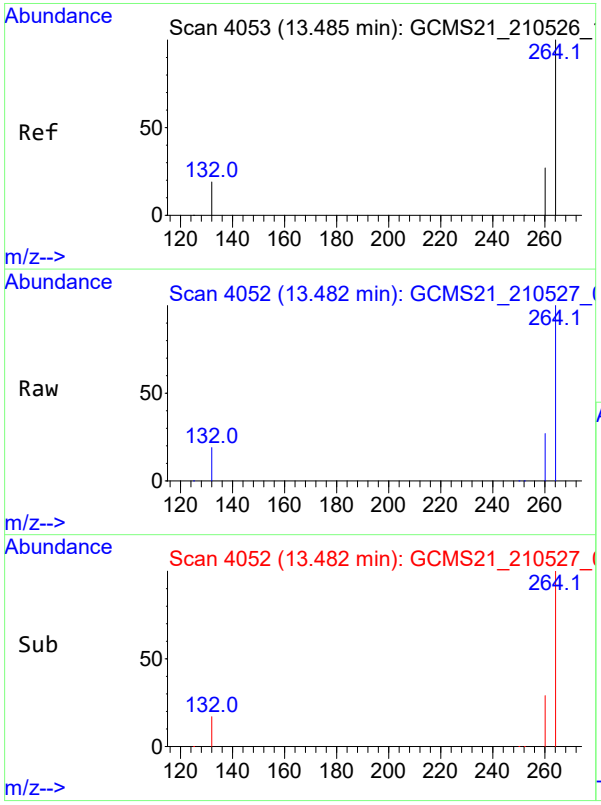


#20
Chrysene
Concen: 0.25 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:228 Resp: 450

Ion	Ratio	Lower	Upper
228	100		
226	35.6	2.8	62.8

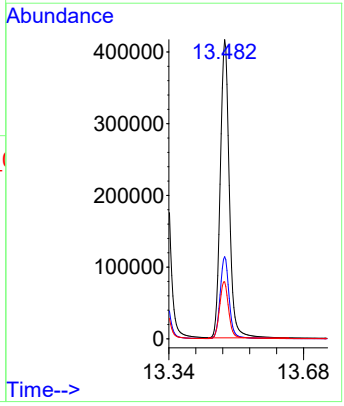


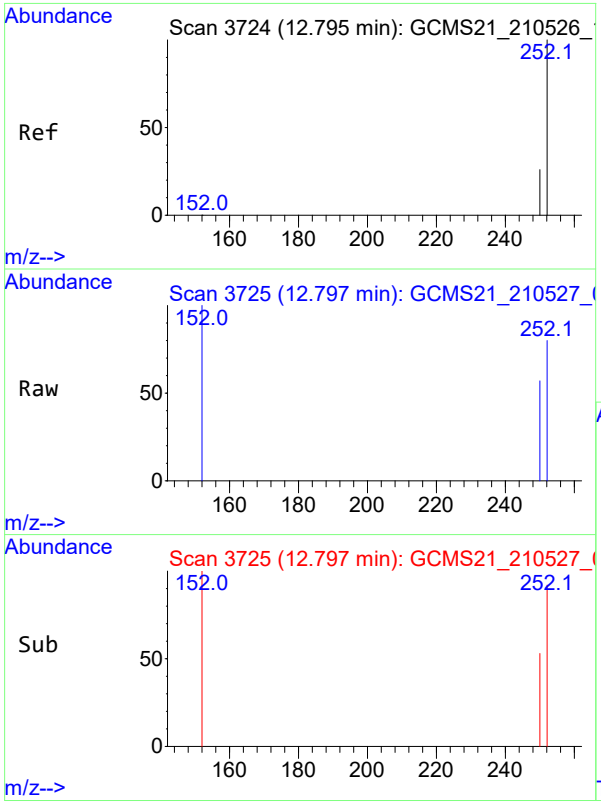


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:264 Resp: 658319

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.3	0.0	49.5

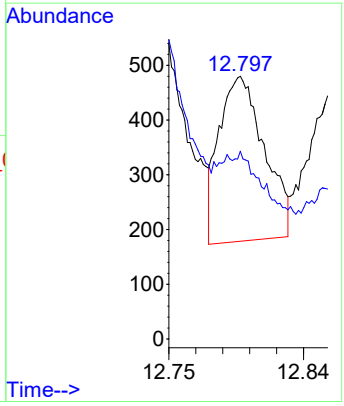


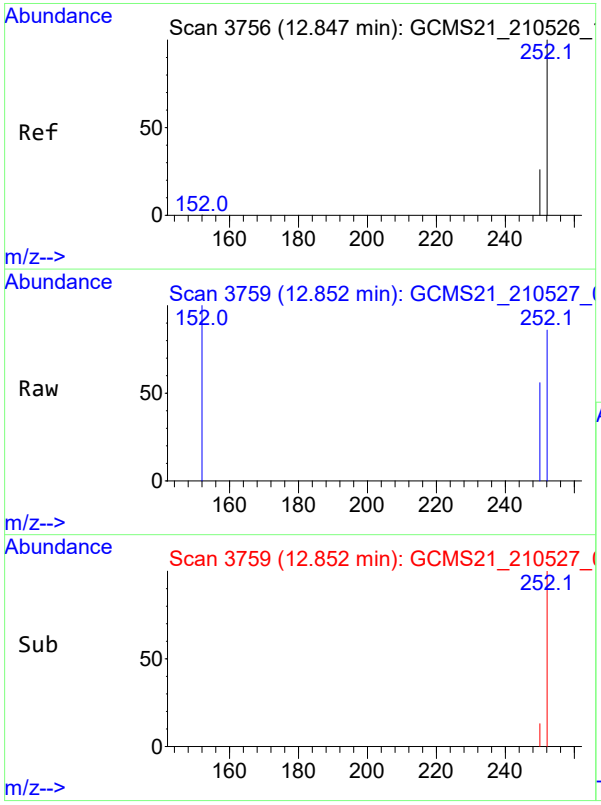


#22
Benzo(b)fluoranthene
Concen: 0.43 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:252 Resp: 584

Ion	Ratio	Lower	Upper
252	100		
250	20.4	0.0	56.2

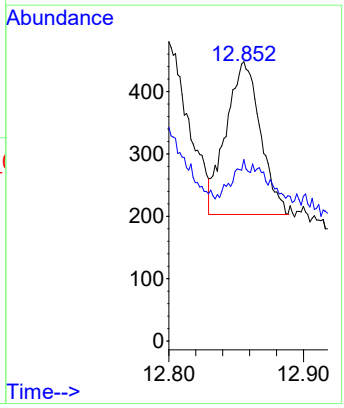


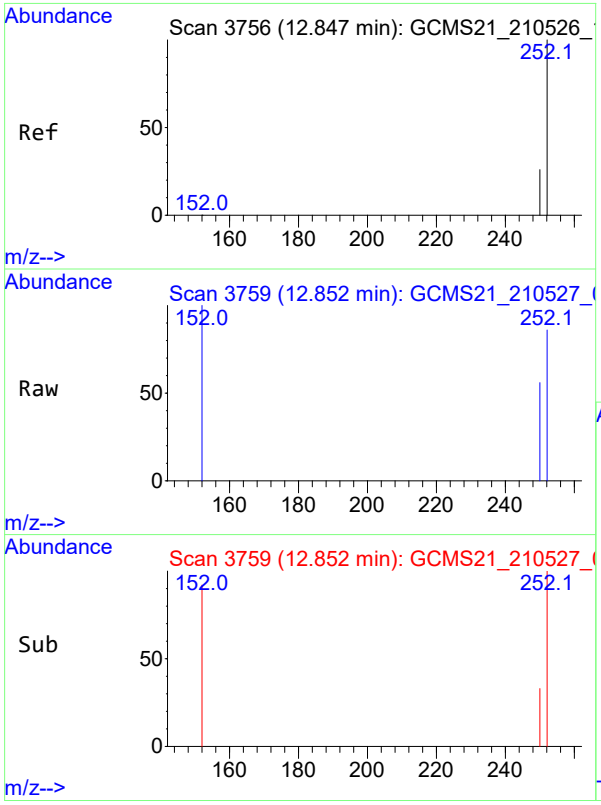


#23
Benzo(k)fluoranthene
Concen: 0.29 ng/mL
RT: 12.852 min Scan# 3759
Delta R.T. 0.005 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:252 Resp: 432

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.6

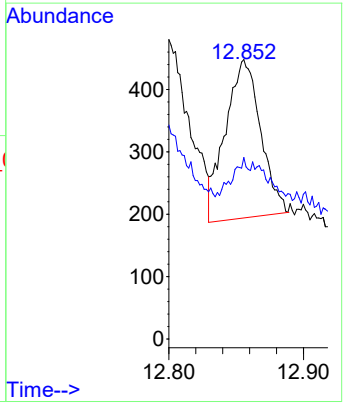


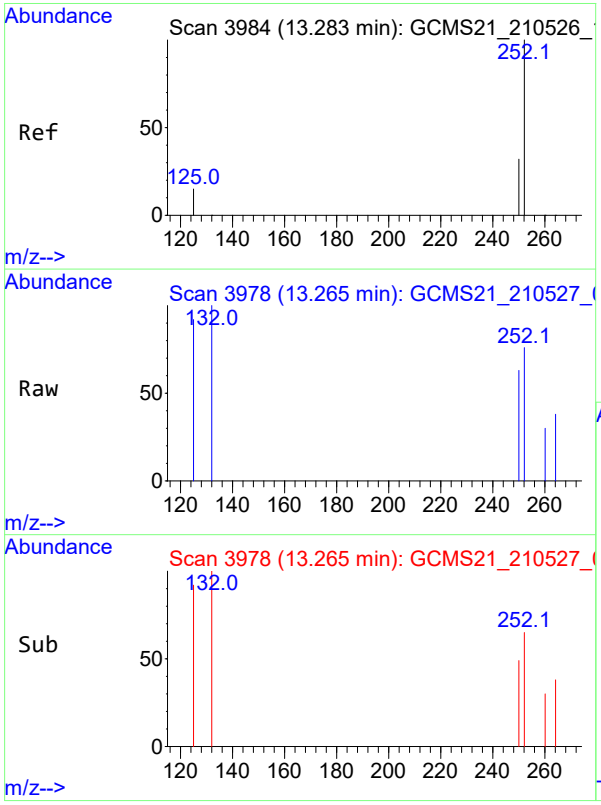


#24
benzo(b+k)fluoranthene (sum)
Concen: 0.31 ng/mL
RT: 12.852 min Scan# 3759
Delta R.T. 0.005 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:252 Resp: 460

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.6

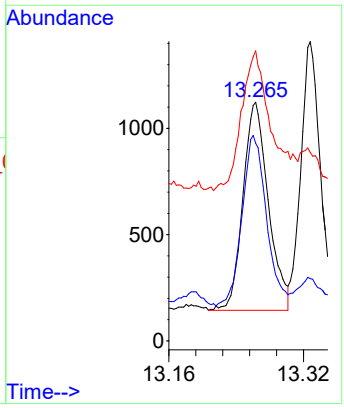


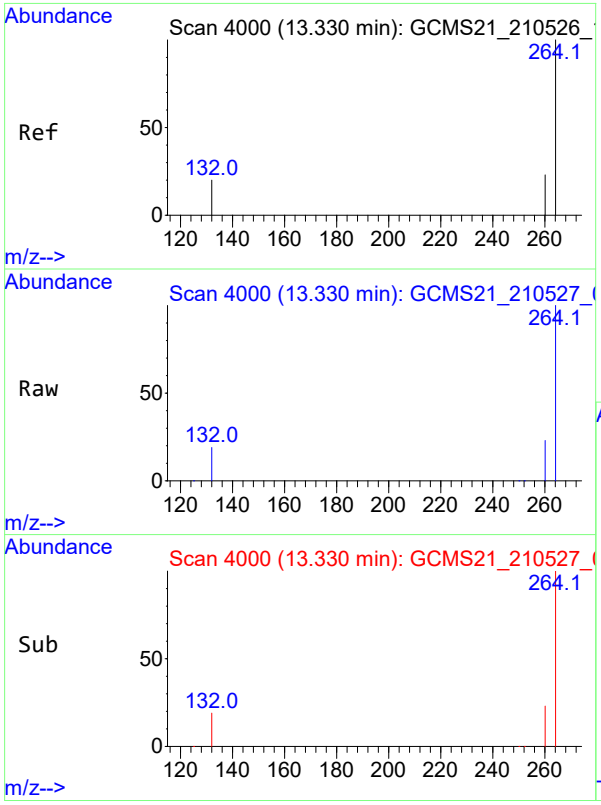


#25
Benzo(e)pyrene
Concen: 1.47 ng/mL
RT: 13.265 min Scan# 3978
Delta R.T. -0.018 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:252 Resp: 2028

Ion	Ratio	Lower	Upper
252	100		
250	78.6	2.2	62.2#
125	80.0	0.0	45.4#

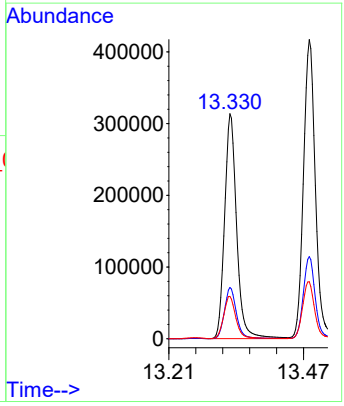


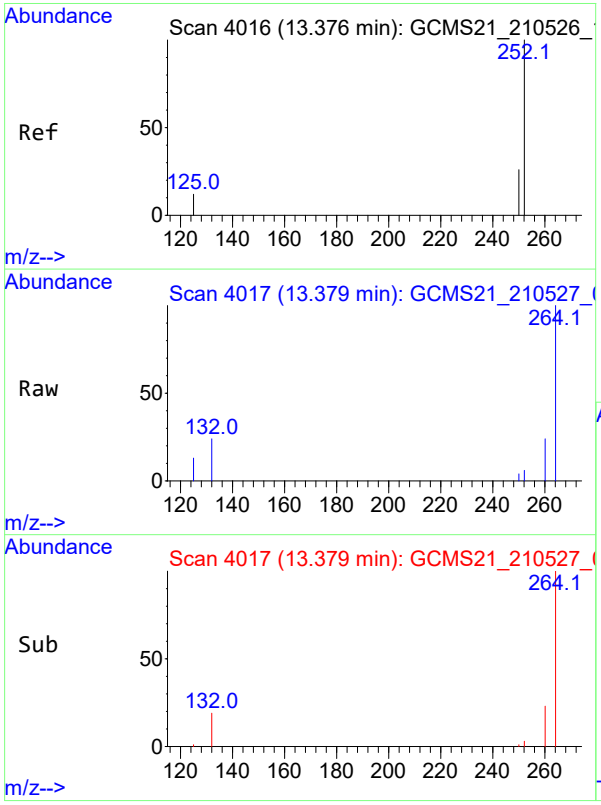


#26
Benzo(a)pyrene-D12
Concen: 468.72 ng/mL
RT: 13.330 min Scan# 4000
Delta R.T. -0.000 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:264 Resp: 501325

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.9	0.0	49.7

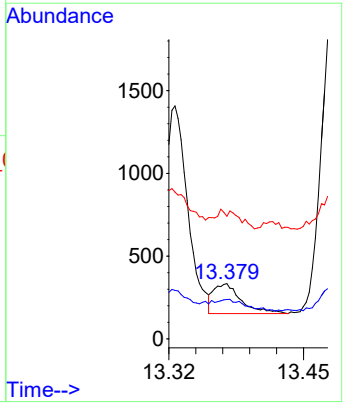


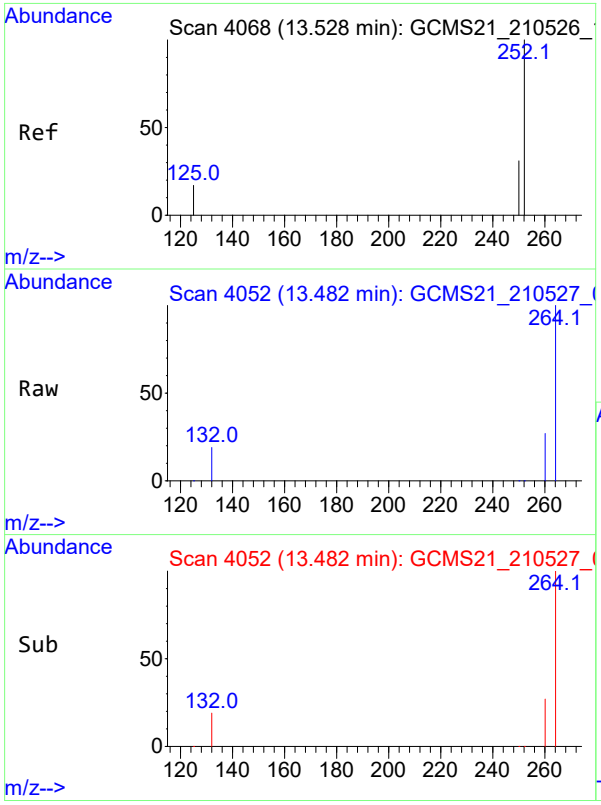


#27
Benzo(a)pyrene
Concen: 0.26 ng/mL
RT: 13.379 min Scan# 4017
Delta R.T. 0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:252 Resp: 330

Ion	Ratio	Lower	Upper
252	100		
250	30.9	0.0	56.4
125	0.0	0.0	41.7

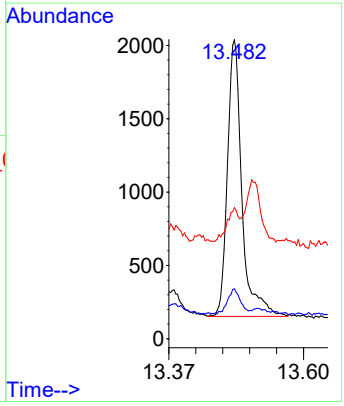


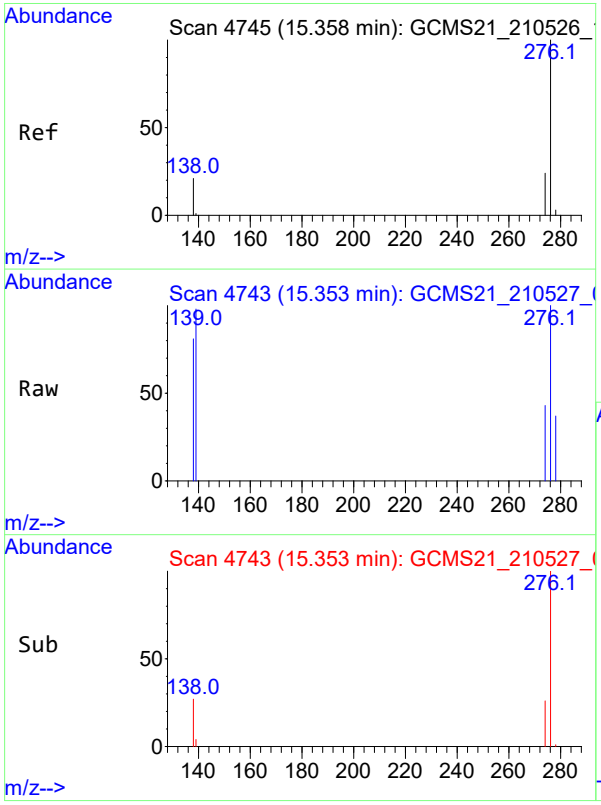


#28
Perylene
Concen: 2.29 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.046 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:252 Resp: 3203

Ion	Ratio	Lower	Upper
252	100		
250	7.7	1.5	61.5
125	9.8	0.0	46.6

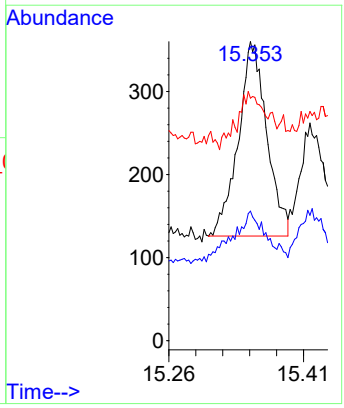


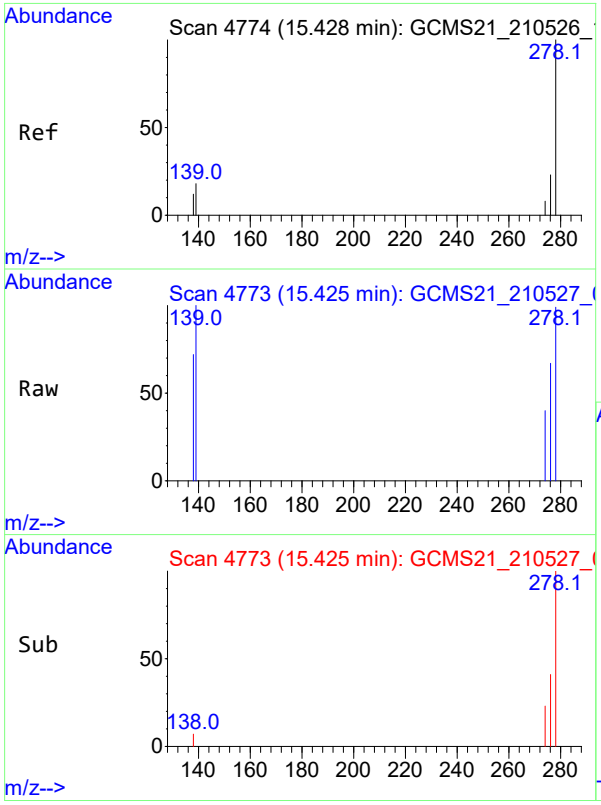


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.48 ng/mL
RT: 15.353 min Scan# 4743
Delta R.T. -0.005 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:276 Resp: 507

Ion	Ratio	Lower	Upper
276	100		
274	27.4	0.0	53.8
138	0.0	0.0	50.7

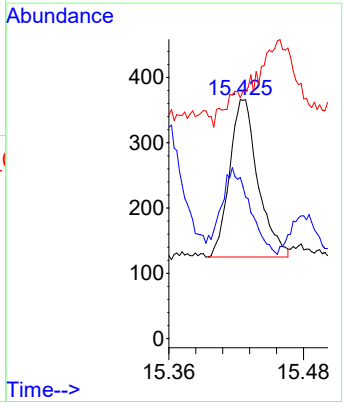


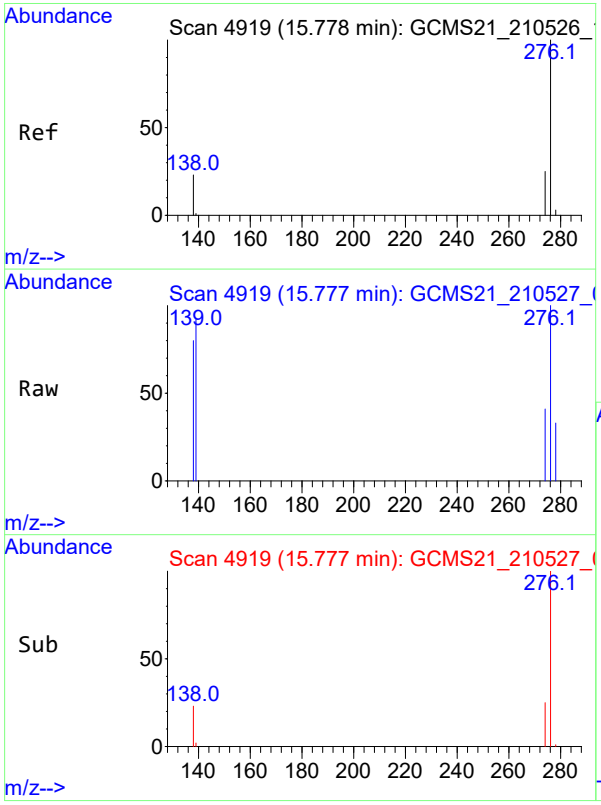


#30
Dibenz(a,h)anthracene
Concen: 0.41 ng/mL
RT: 15.425 min Scan# 4773
Delta R.T. -0.003 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:278 Resp: 433

Ion	Ratio	Lower	Upper
278	100		
276	64.4	0.0	52.8#
139	0.0	0.0	47.6

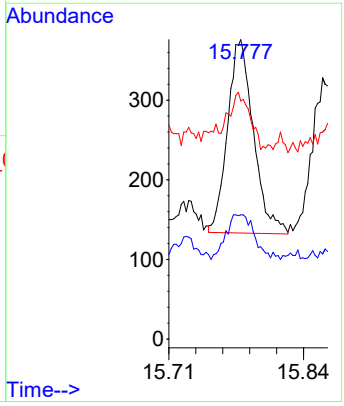




#31
Benzo(g,h,i)perylene
Concen: 0.31 ng/mL
RT: 15.777 min Scan# 4919
Delta R.T. -0.001 min
Lab File: GCMS21_210527_05.D
Acq: 27 May 2021 11:59

Tgt Ion:276 Resp: 423

Ion	Ratio	Lower	Upper
276	100		
274	24.8	0.0	54.8
138	0.0	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_17.D
Acq On : 04 Jun 2021 15:18
Operator : MN GCMS21
Sample : B21E006-BLK2
Misc : ASE #2 solvent1_Acetone LIMS 21C1102
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 30 12:03:41 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

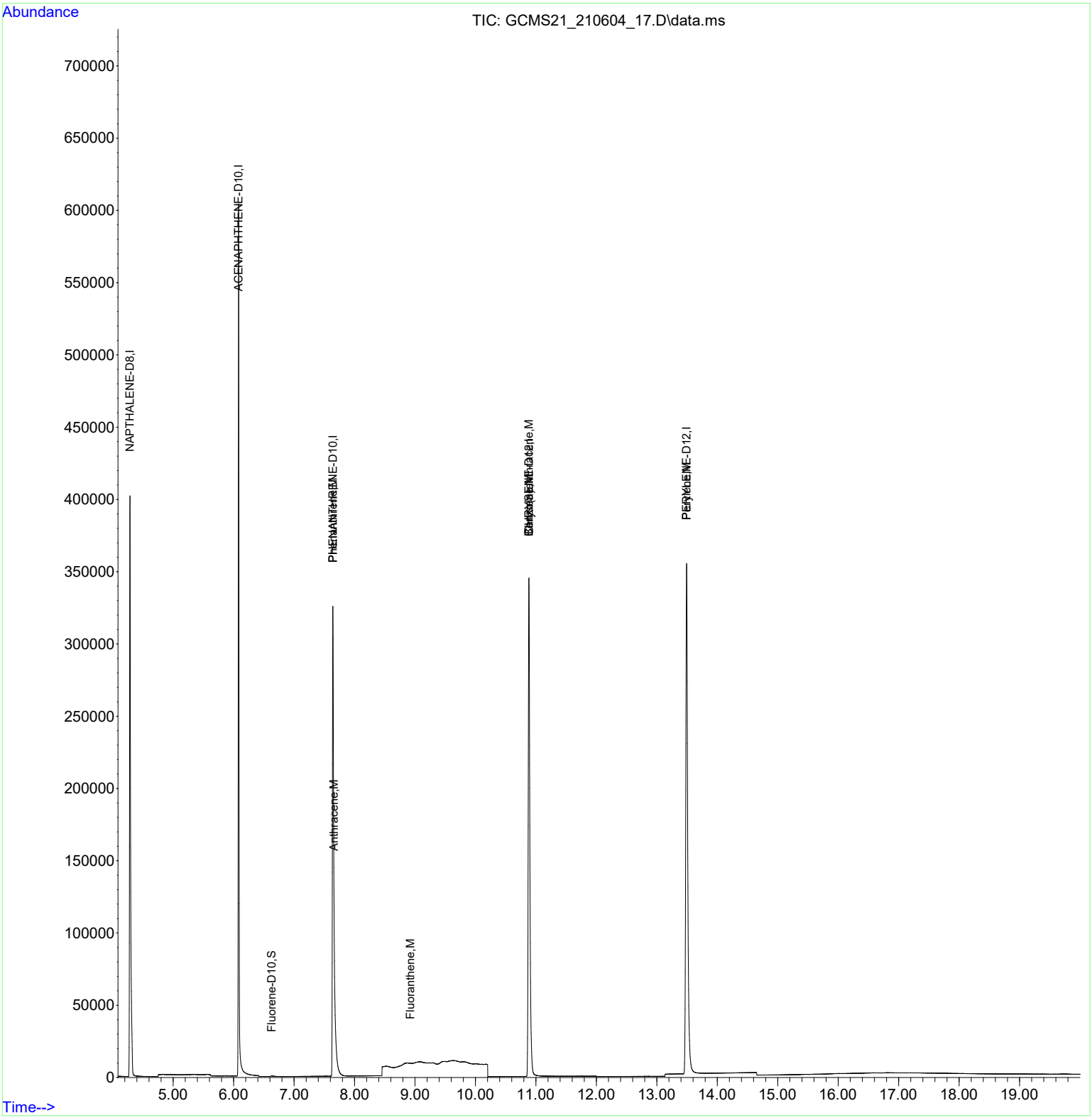
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.286	136	433350	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	252133	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	511552	500.00	ng/mL	0.01
16) CHRYSENE-D12	10.884	240	494237	500.00	ng/mL	0.02
21) PERYLENE-D12	13.493	264	527200	500.00	ng/mL	0.03
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0	0.00	ng/mL	
9) Fluorene-D10	6.629	176	359	0.59	ng/mL	0.00
14) Fluoranthene-D10	0.000	212	0	0.00	ng/mL	
17) Pyrene-D10	0.000	212	0	0.00	ng/mL	
26) Benzo(a)pyrene-D12	0.000	264	0d	0.00	ng/mL	
Target Compounds						Qvalue
2) Naphthalene	0.000		0	N.D.		
4) 2-Methylnaphthalene	0.000		0	N.D.		
5) 1-Methylnaphthalene	0.000		0	N.D.		
7) Acenaphthylene	0.000		0	N.D.		
8) Acenaphthene	0.000		0	N.D.		
10) Fluorene	0.000		0	N.D.		
12) Phenanthrene	7.642	178	164	0.13	ng/mL#	4
13) Anthracene	7.660	178	202	0.20	ng/mL#	16
15) Fluoranthene	8.922	202	131	0.10	ng/mL#	1
18) Pyrene	0.000		0	N.D.		
19) Benzo(a)anthracene	10.882	228	1988	2.00	ng/mL	69
20) Chrysene	10.882	228	1988	1.62	ng/mL	65
22) Benzo(b)fluoranthene	0.000		0	N.D.		
23) Benzo(k)fluoranthene	0.000		0	N.D.		
24) benzo(b+k)fluoranthene...	0.000		0	N.D.		
25) Benzo(e)pyrene	0.000		0	N.D. d		
27) Benzo(a)pyrene	0.000		0	N.D. d		
28) Perylene	13.493	252	2622	2.34	ng/mL	73
29) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
30) Dibenz(a,h)anthracene	0.000		0	N.D.		
31) Benzo(g,h,i)perylene	0.000		0	N.D.		

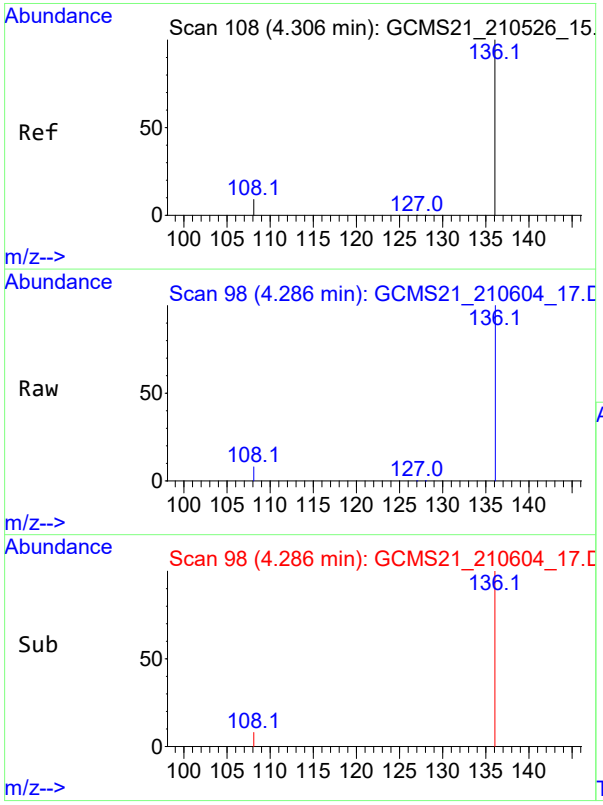
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_17.D
Acq On : 04 Jun 2021 15:18
Operator : MN GCMS21
Sample : B21E006-BLK2
Misc : ASE #2 solvent1_Acetone LIMS 21C1102
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 30 12:03:41 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

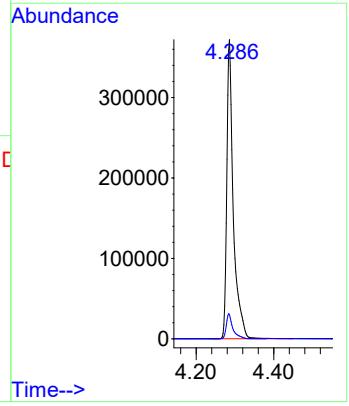


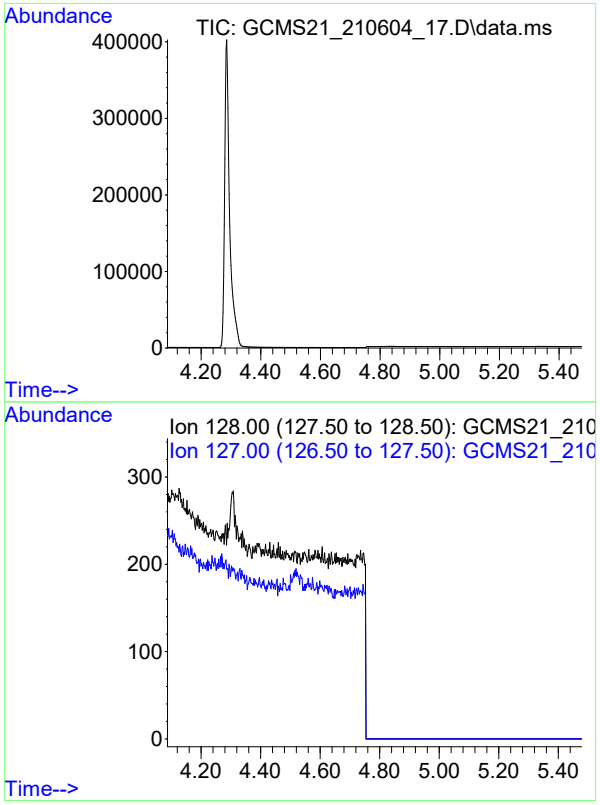


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.286 min Scan# 98
Delta R.T. -0.002 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:136 Resp: 433350

Ion	Ratio	Lower	Upper
136	100		
108	8.4	0.0	28.6



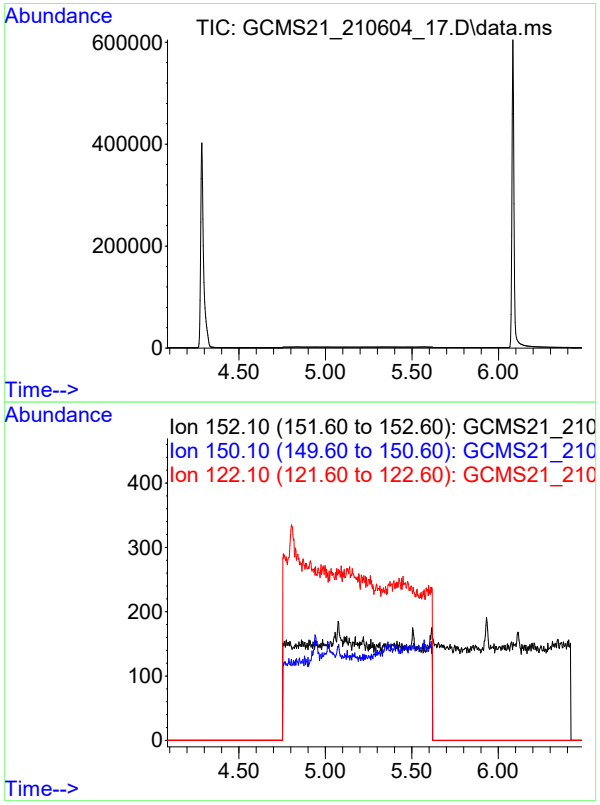


#2
Naphthalene
Concen: N.D.
Expected RT: 4.31 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 128

Sig	Exp Ratio
128	100
127	13.4

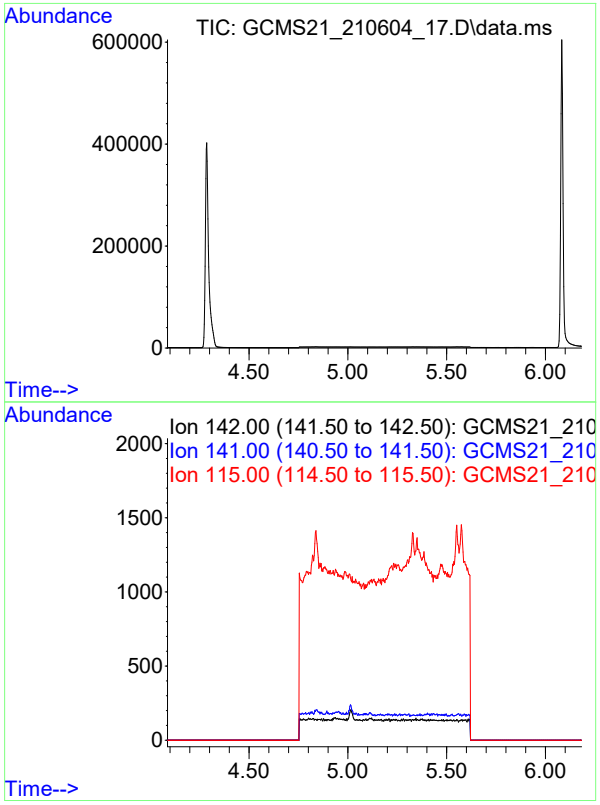


#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.98 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.8

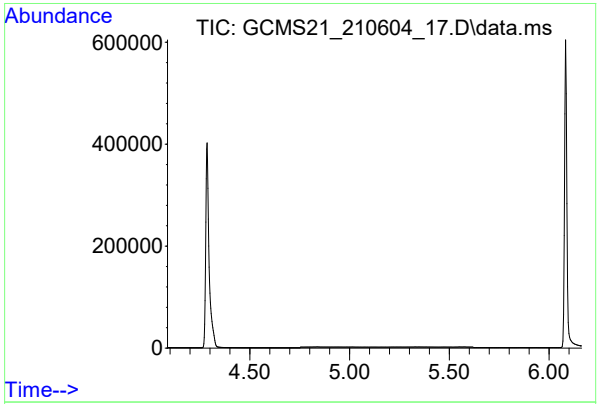


#4
2-Methylnaphthalene
Concen: N.D.
Expected RT: 5.01 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 142

Sig	Exp Ratio
142	100
141	86.9
115	27.7

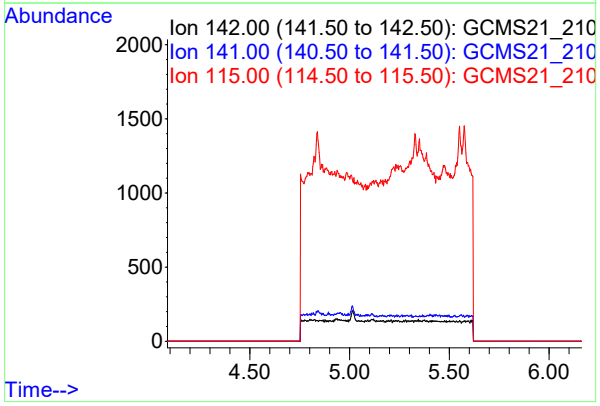


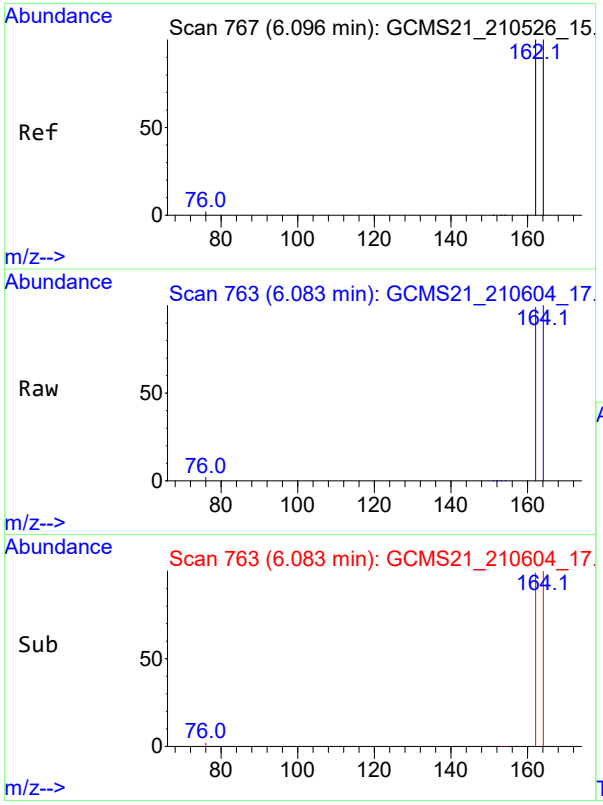
#5
1-Methylnaphthalene
Concen: N.D.
Expected RT: 5.11 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 142

Sig	Exp Ratio
142	100
141	87.9
115	27.0

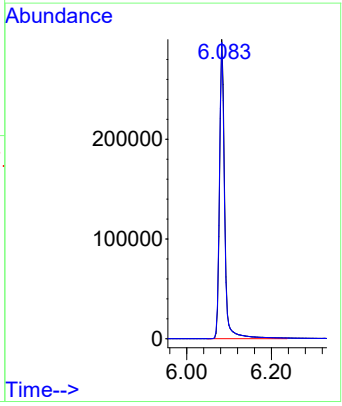


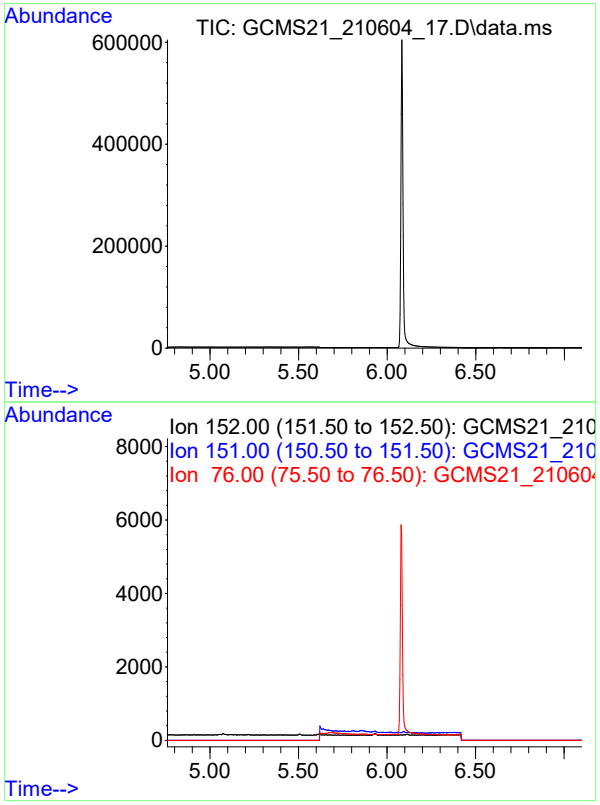


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:164 Resp: 252133

Ion	Ratio	Lower	Upper
164	100		
162	98.9	81.0	121.0



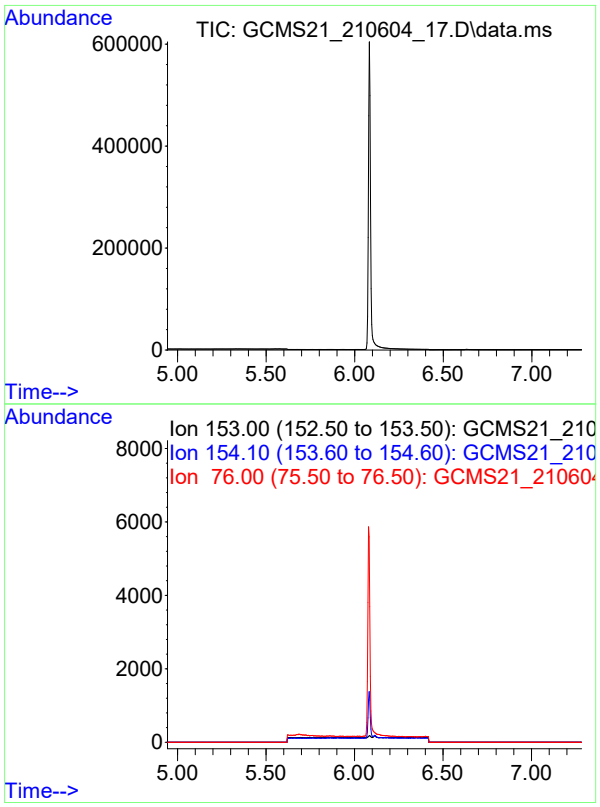


#7
Acenaphthylene
Concen: N.D.
Expected RT: 5.93 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	21.0
76	8.6

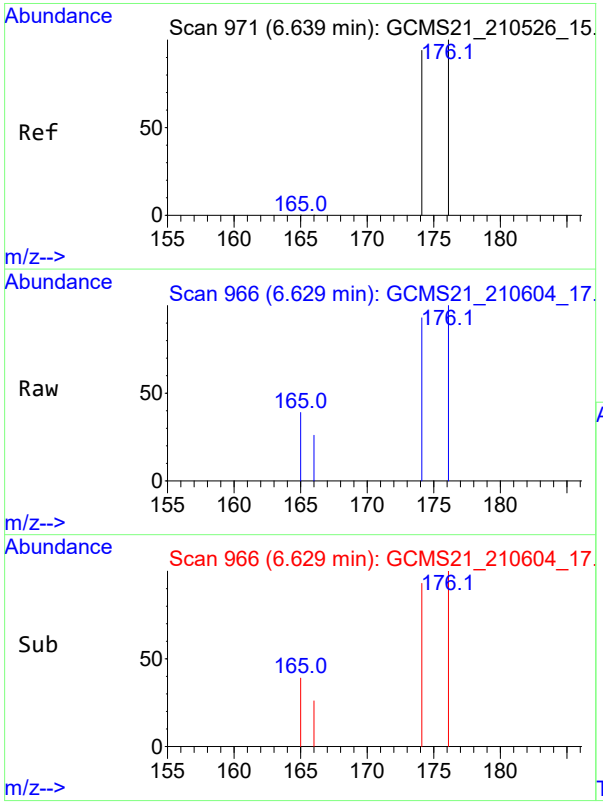


#8
Acenaphthene
Concen: N.D.
Expected RT: 6.11 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 153

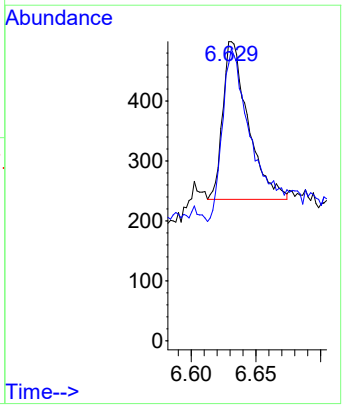
Sig	Exp Ratio
153	100
154	93.7
76	15.2

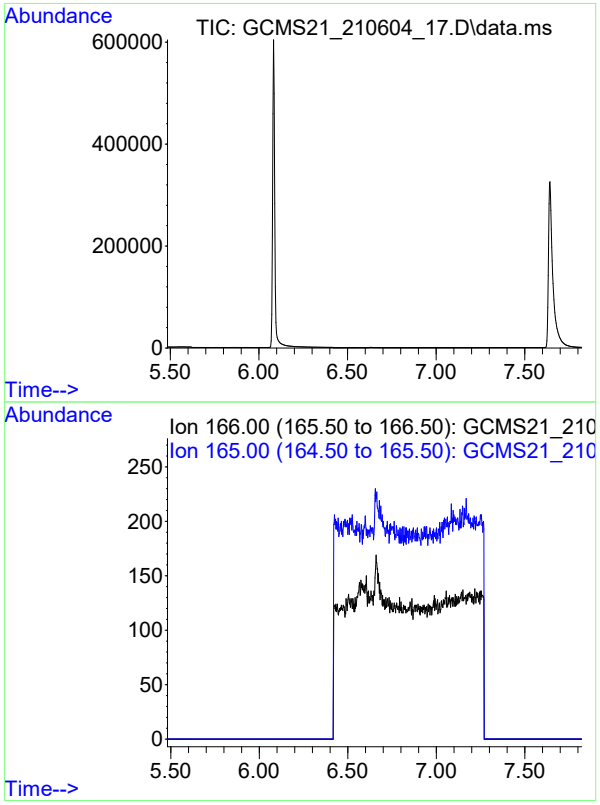


#9
Fluorene-D10
Concen: 0.59 ng/mL
RT: 6.629 min Scan# 966
Delta R.T. 0.006 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:176 Resp: 359

Ion	Ratio	Lower	Upper
176	100		
174	126.7	63.9	123.9#



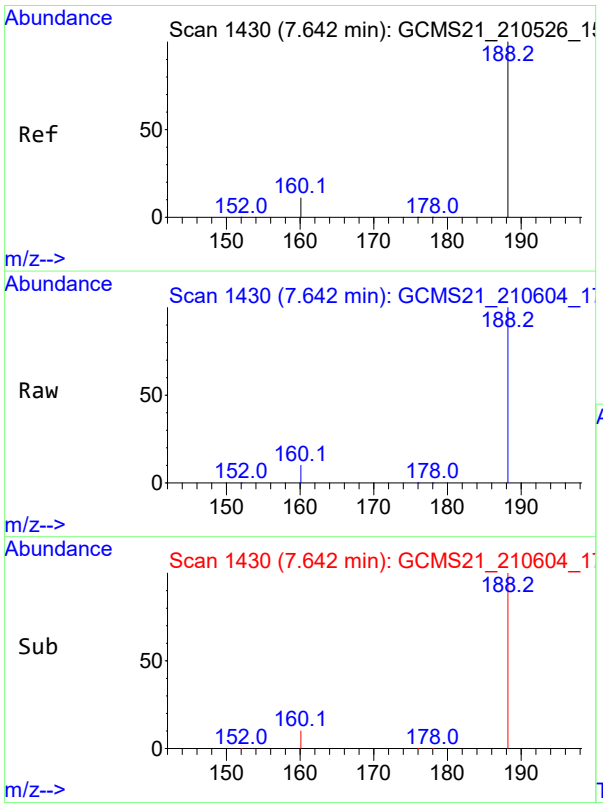


#10
Fluorene
Concen: N.D.
Expected RT: 6.65 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 166

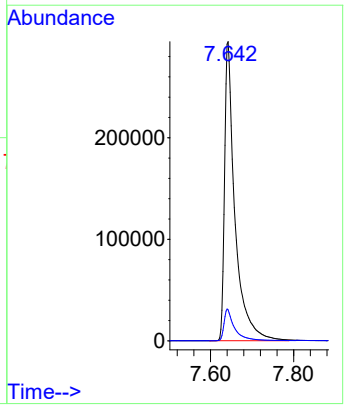
Sig	Exp Ratio
166	100
165	95.1

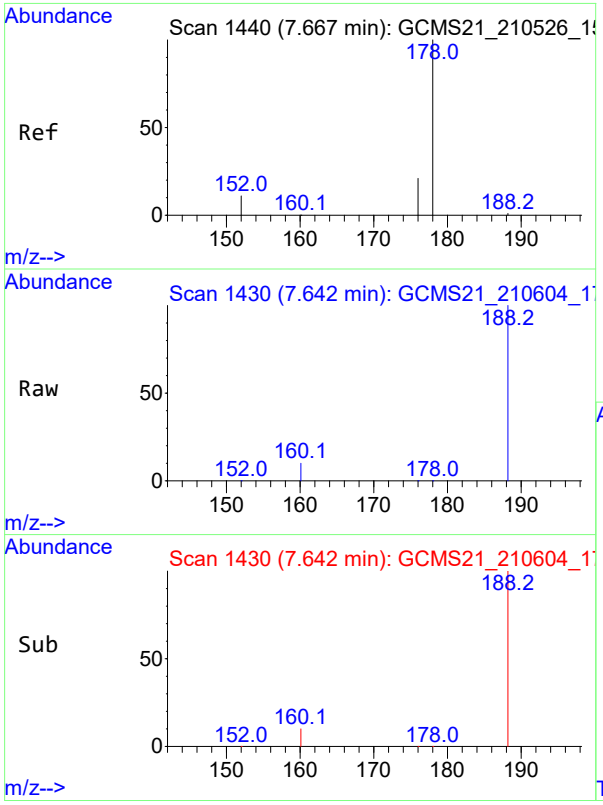


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.015 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:188 Resp: 511552

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

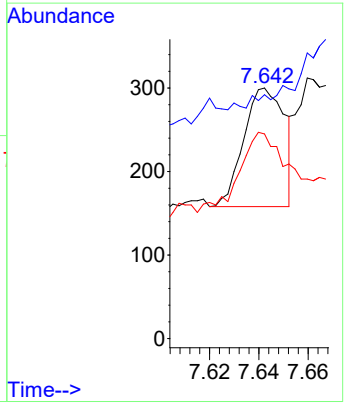


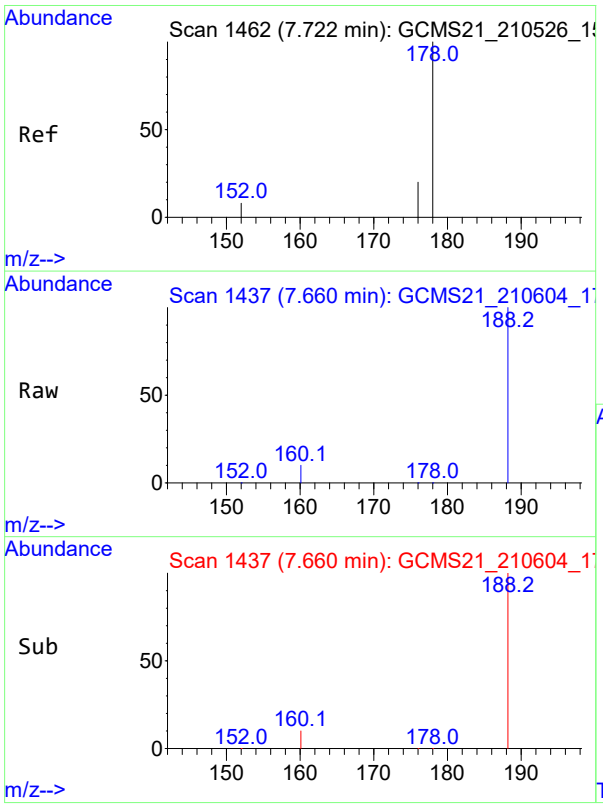


#12
Phenanthrene
Concen: 0.13 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.008 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:178 Resp: 164

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	51.1
152	84.8	0.0	40.5#

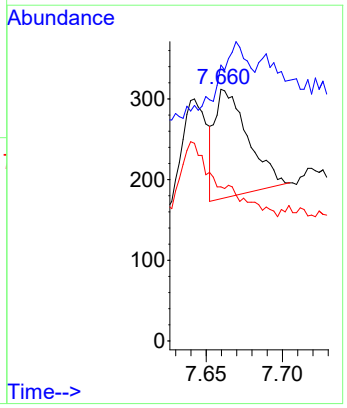


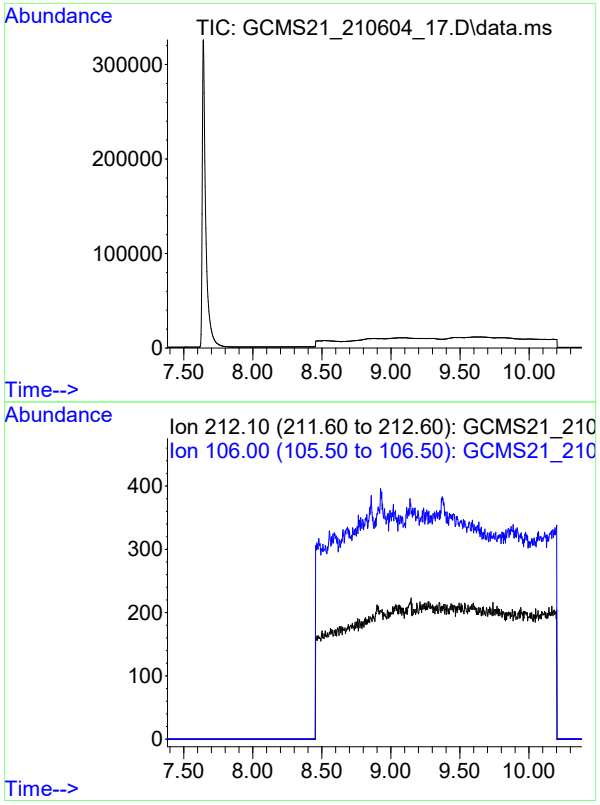


#13
Anthracene
Concen: 0.20 ng/mL
RT: 7.660 min Scan# 1437
Delta R.T. -0.045 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:178 Resp: 202

Ion	Ratio	Lower	Upper
178	100		
176	70.3	0.0	50.0#
152	0.0	0.0	38.2



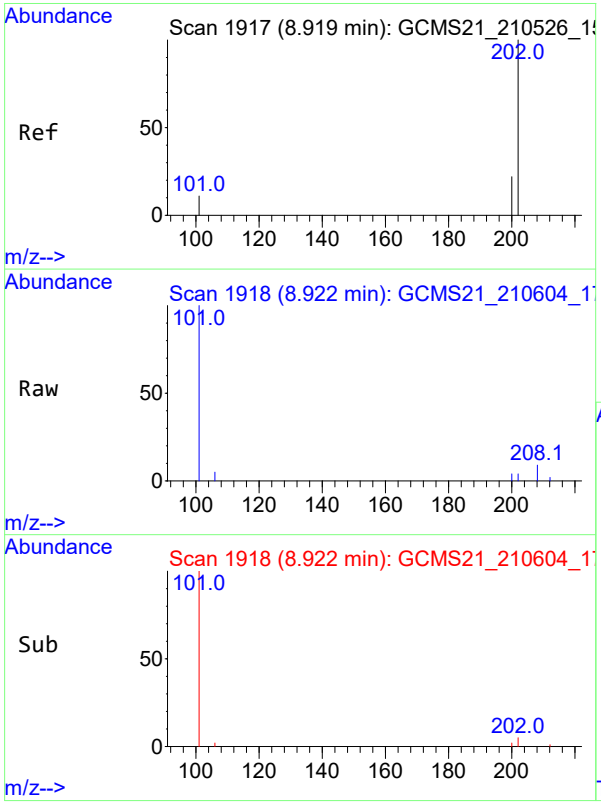


#14
Fluoranthene-D10
Concen: 0.00 ng/mL
Expected RT: 8.88 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 212

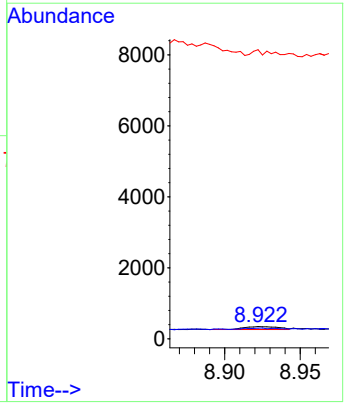
Sig	Exp Ratio
212	100
106	13.1

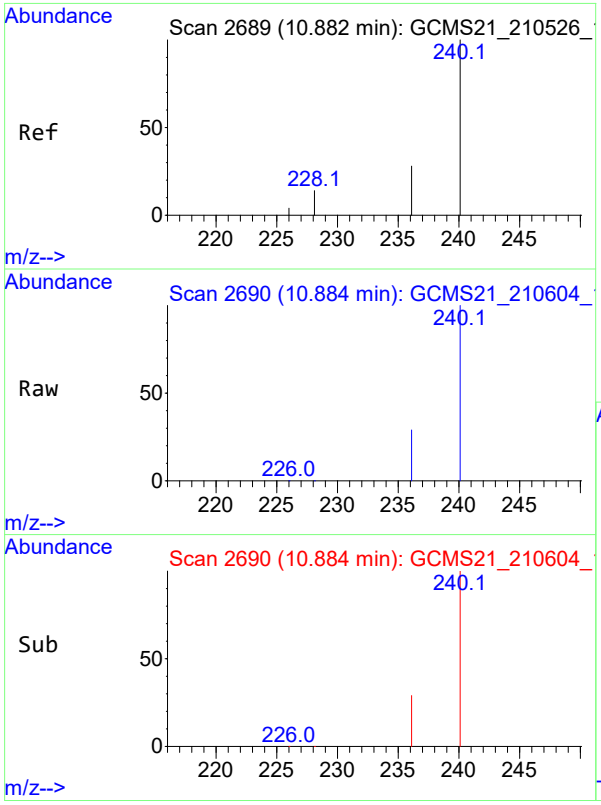


#15
Fluoranthene
Concen: 0.10 ng/mL
RT: 8.922 min Scan# 1918
Delta R.T. 0.023 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:202 Resp: 131

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.3
101	533.6	0.0	41.8#

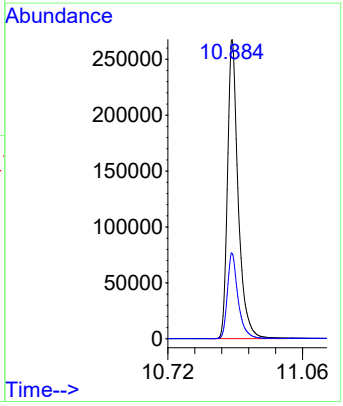


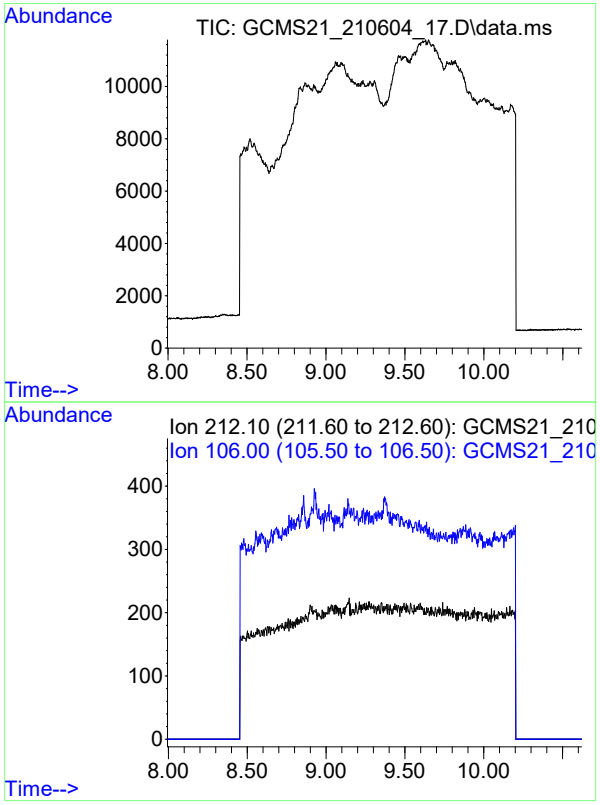


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.884 min Scan# 2690
Delta R.T. 0.022 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:240 Resp: 494237

Ion	Ratio	Lower	Upper
240	100		
236	28.6	0.0	58.5



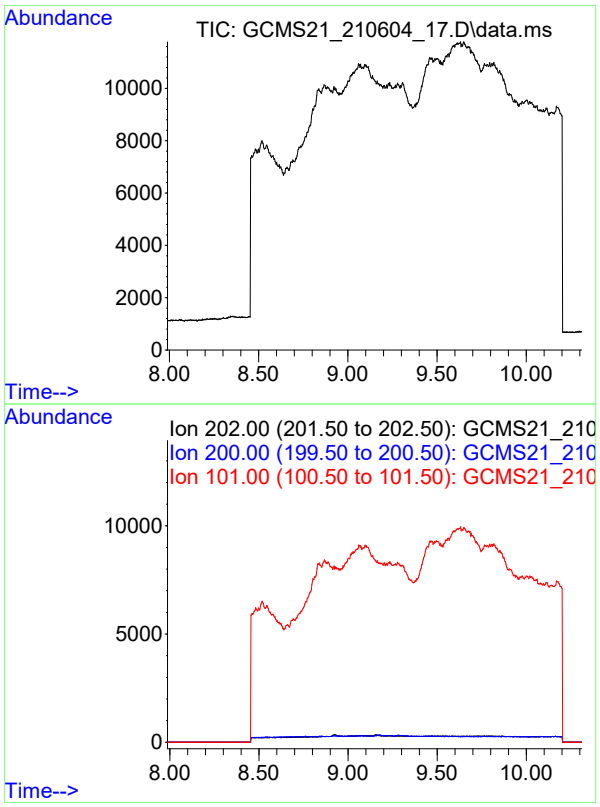


#17
Pyrene-D10
Concen: 0.00 ng/mL
Expected RT: 9.12 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	16.3

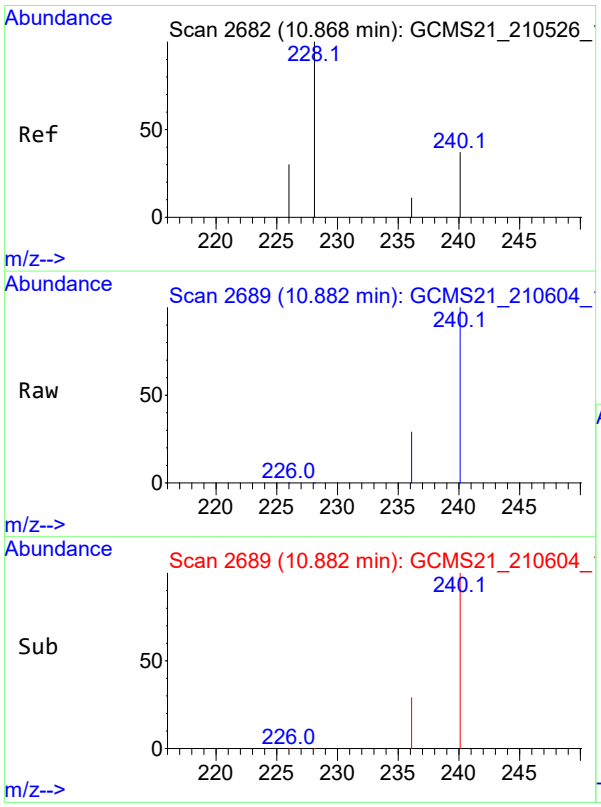


#18
Pyrene
Concen: N.D.
Expected RT: 9.14 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 202

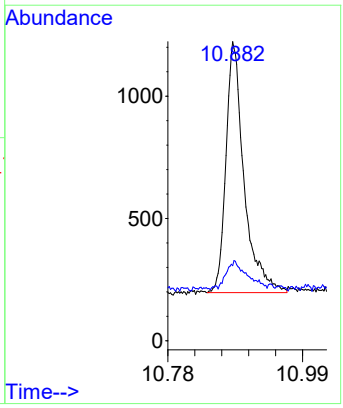
Sig	Exp Ratio
202	100
200	23.3
101	13.2

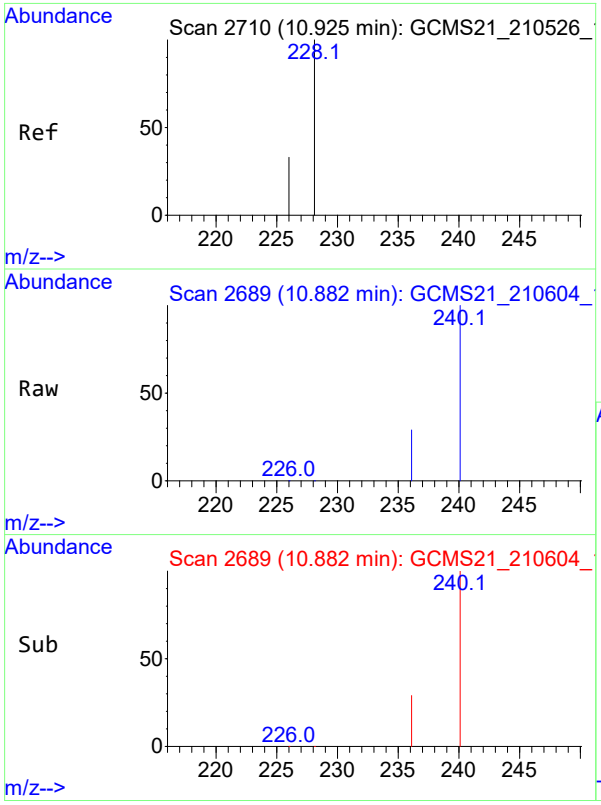


#19
Benzo(a)anthracene
Concen: 2.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.035 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:228 Resp: 1988

Ion	Ratio	Lower	Upper
228	100		
226	12.5	0.0	59.2

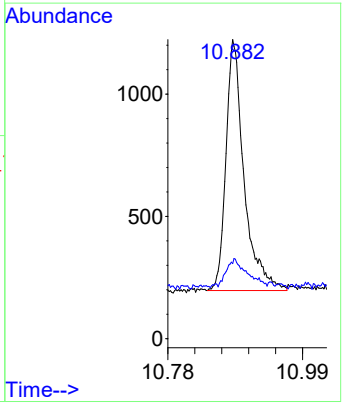


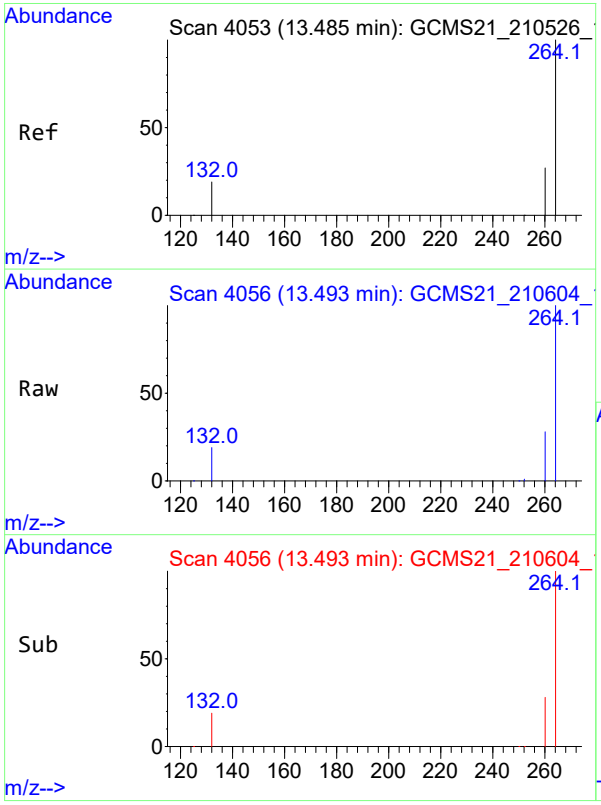


#20
Chrysene
Concen: 1.62 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.023 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:228 Resp: 1988

Ion	Ratio	Lower	Upper
228	100		
226	12.5	1.9	61.9

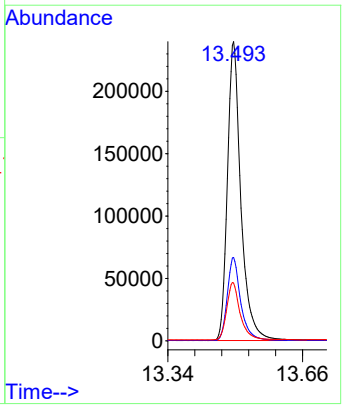


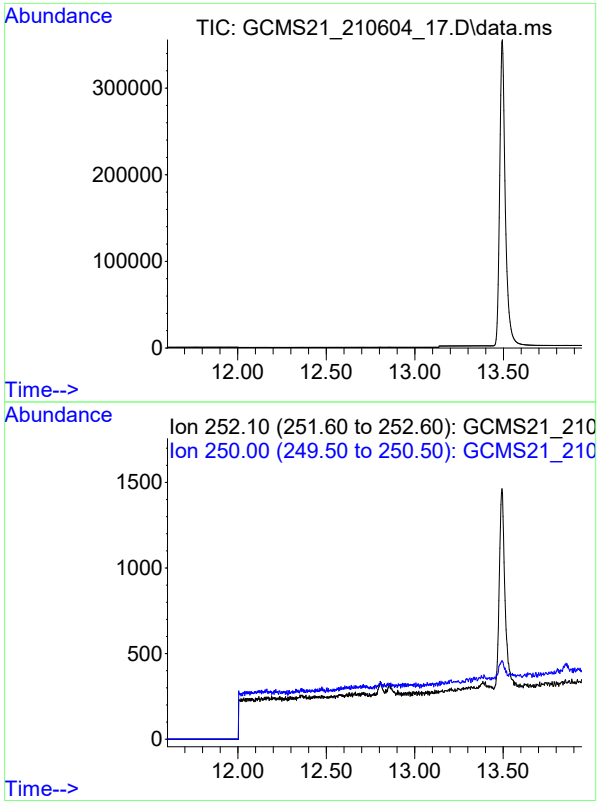


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.493 min Scan# 4056
Delta R.T. 0.032 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:264 Resp: 527200

Ion	Ratio	Lower	Upper
264	100		
260	27.8	0.0	57.7
132	19.2	0.0	49.0



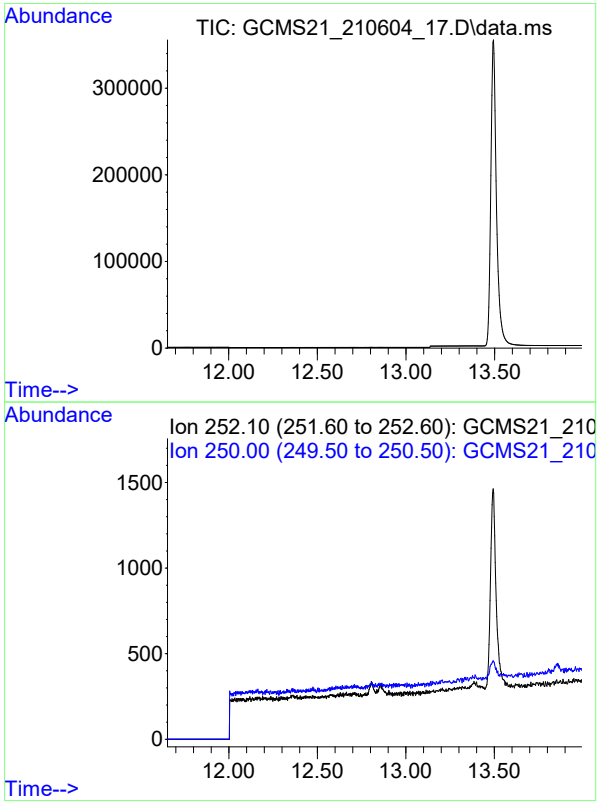


#22
Benzo(b)fluoranthene
Concen: N.D.
Expected RT: 12.77 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	26.1

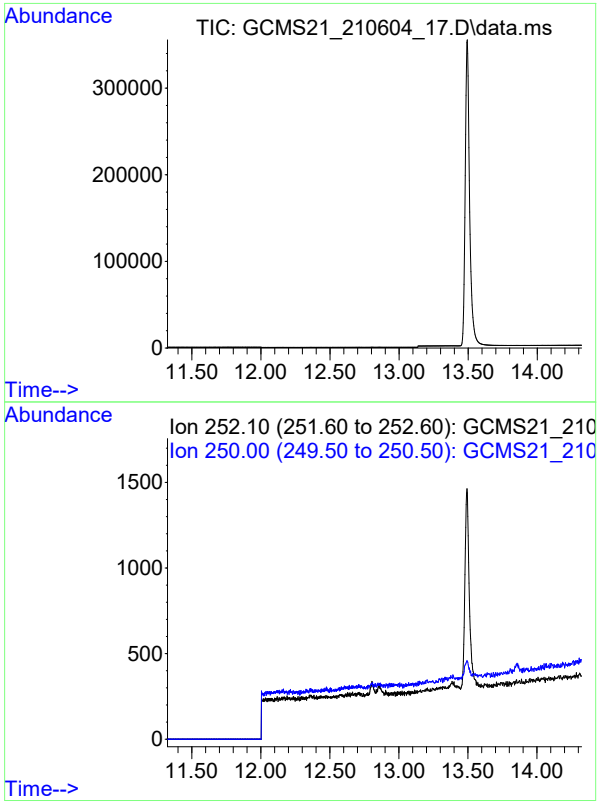


#23
Benzo(k)fluoranthene
Concen: N.D.
Expected RT: 12.82 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	25.4

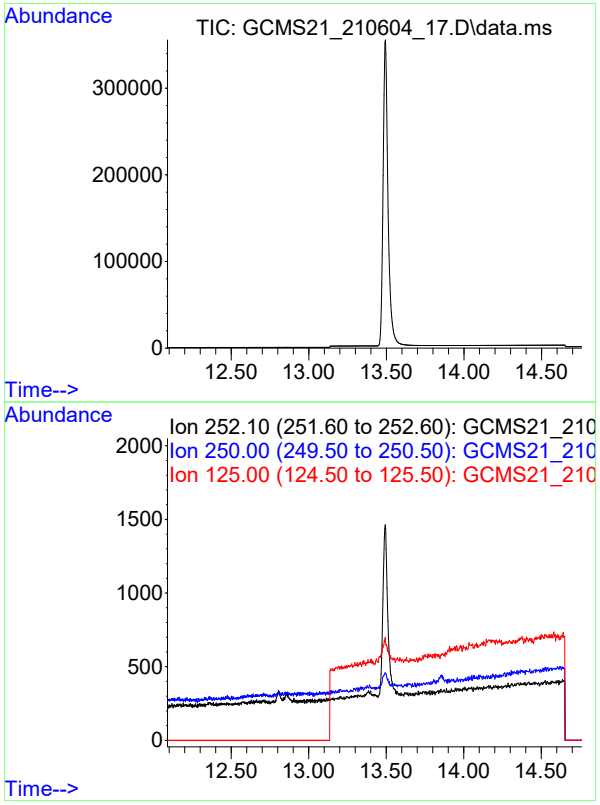


#24
benzo(b+k)fluoranthene (sum)
Concen: N.D.
Expected RT: 12.82 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	25.4

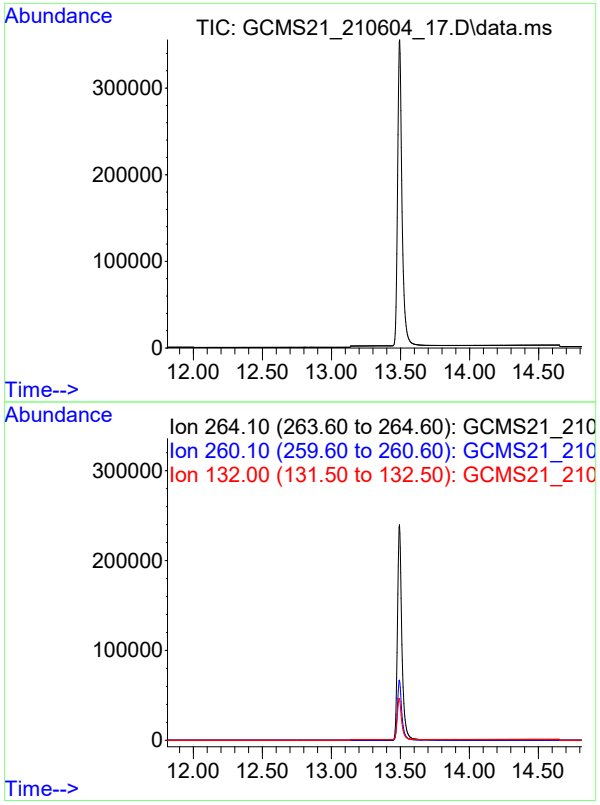


#25
Benzo(e)pyrene
Concen: N.D.
Expected RT: 13.26 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	32.1
125	15.8

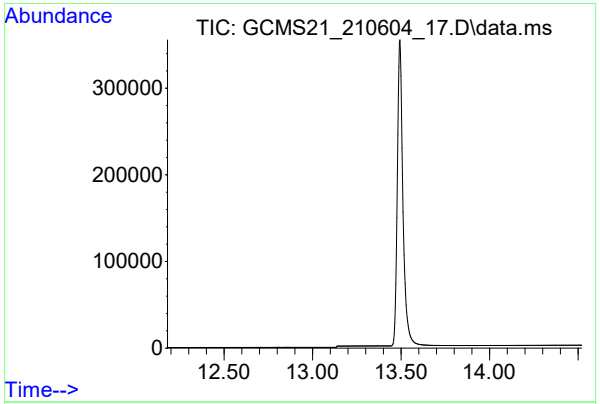


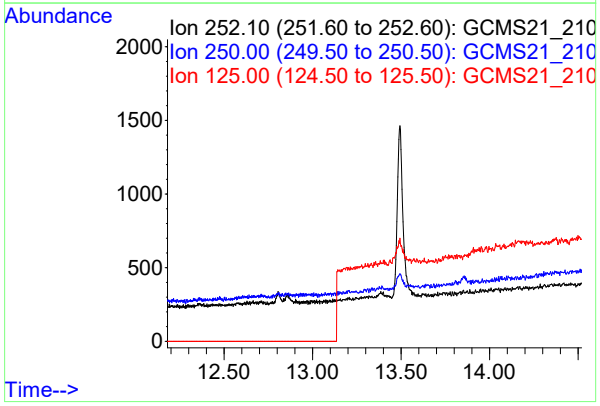
#26
Benzo(a)pyrene-D12
Concen: 0.00 ng/mL
Expected RT: 13.31 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 264

Sig	Exp Ratio
264	100
260	22.9
132	18.4



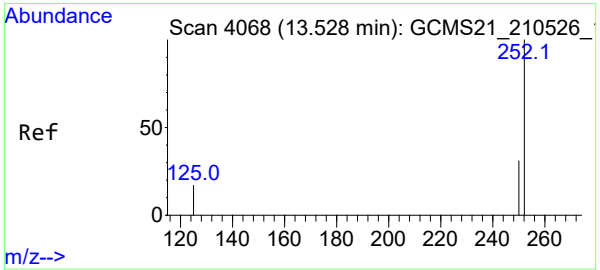


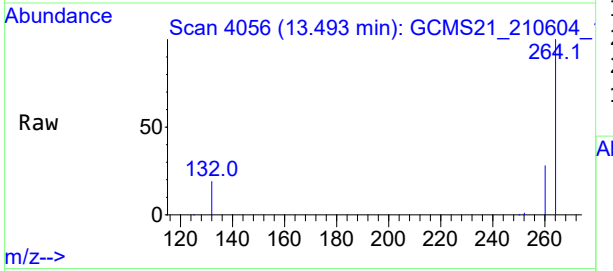
#27
Benzo(a)pyrene
Concen: N.D.
Expected RT: 13.35 min

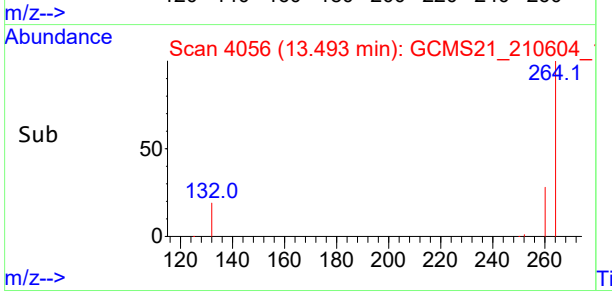
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	26.7
125	12.1



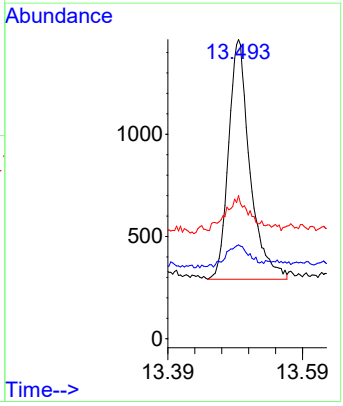


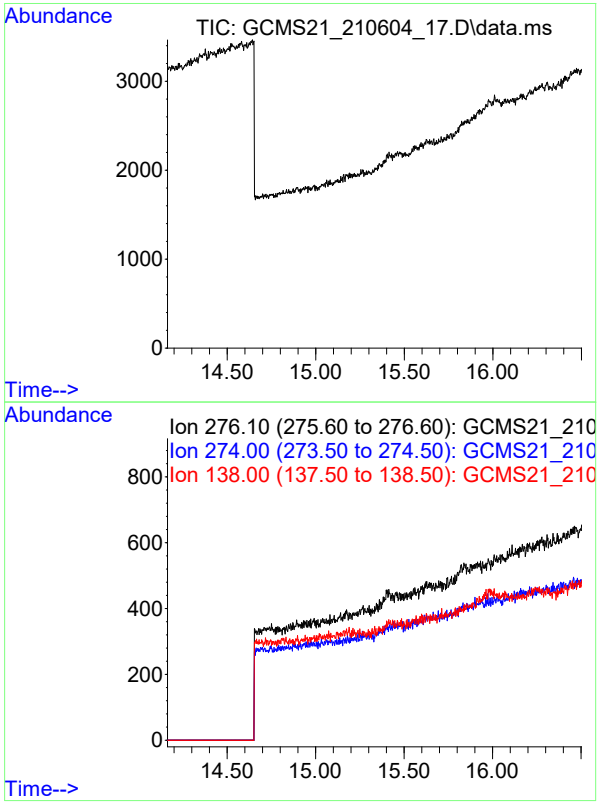


#28
Perylene
Concen: 2.34 ng/mL
RT: 13.493 min Scan# 4056
Delta R.T. -0.012 min
Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion:252 Resp: 2622

Ion	Ratio	Lower	Upper
252	100		
250	9.6	1.2	61.2
125	14.4	0.0	46.5



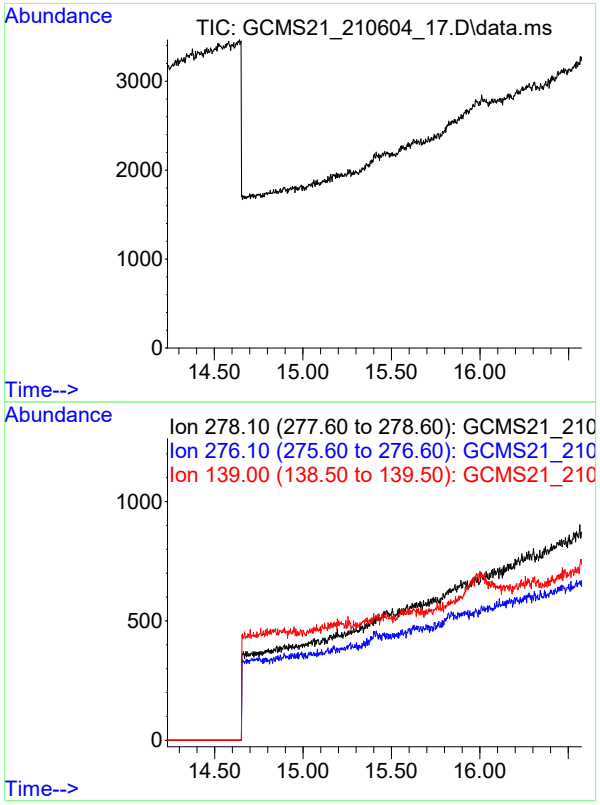


#29
Indeno(1,2,3-cd)pyrene
Concen: N.D.
Expected RT: 15.33 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 276

Sig	Exp Ratio
276	100
274	23.5
138	20.6

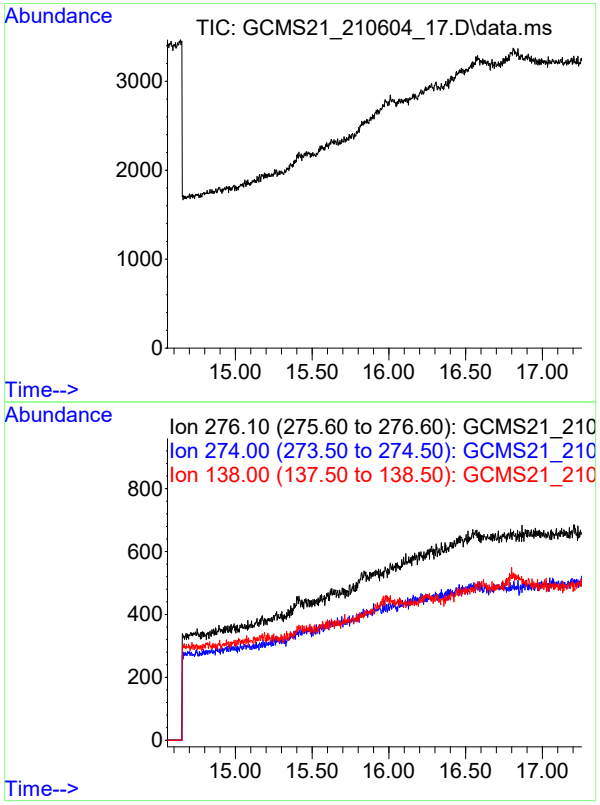


#30
Dibenz(a,h)anthracene
Concen: N.D.
Expected RT: 15.40 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 278

Sig	Exp Ratio
278	100
276	28.7
139	17.2



#31
Benzo(g,h,i)perylene
Concen: N.D.
Expected RT: 15.76 min

Lab File: GCMS21_210604_17.D
Acq: 04 Jun 2021 15:18

Tgt Ion: 276

Sig	Exp Ratio
276	100
274	24.2
138	22.4

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_18.D
Acq On : 04 Jun 2021 15:43
Operator : MN GCMS21
Sample : B21E006-BLK3
Misc : ASE #2 solvent2_HexaneLIMS 21C1103
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 30 12:03:55 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

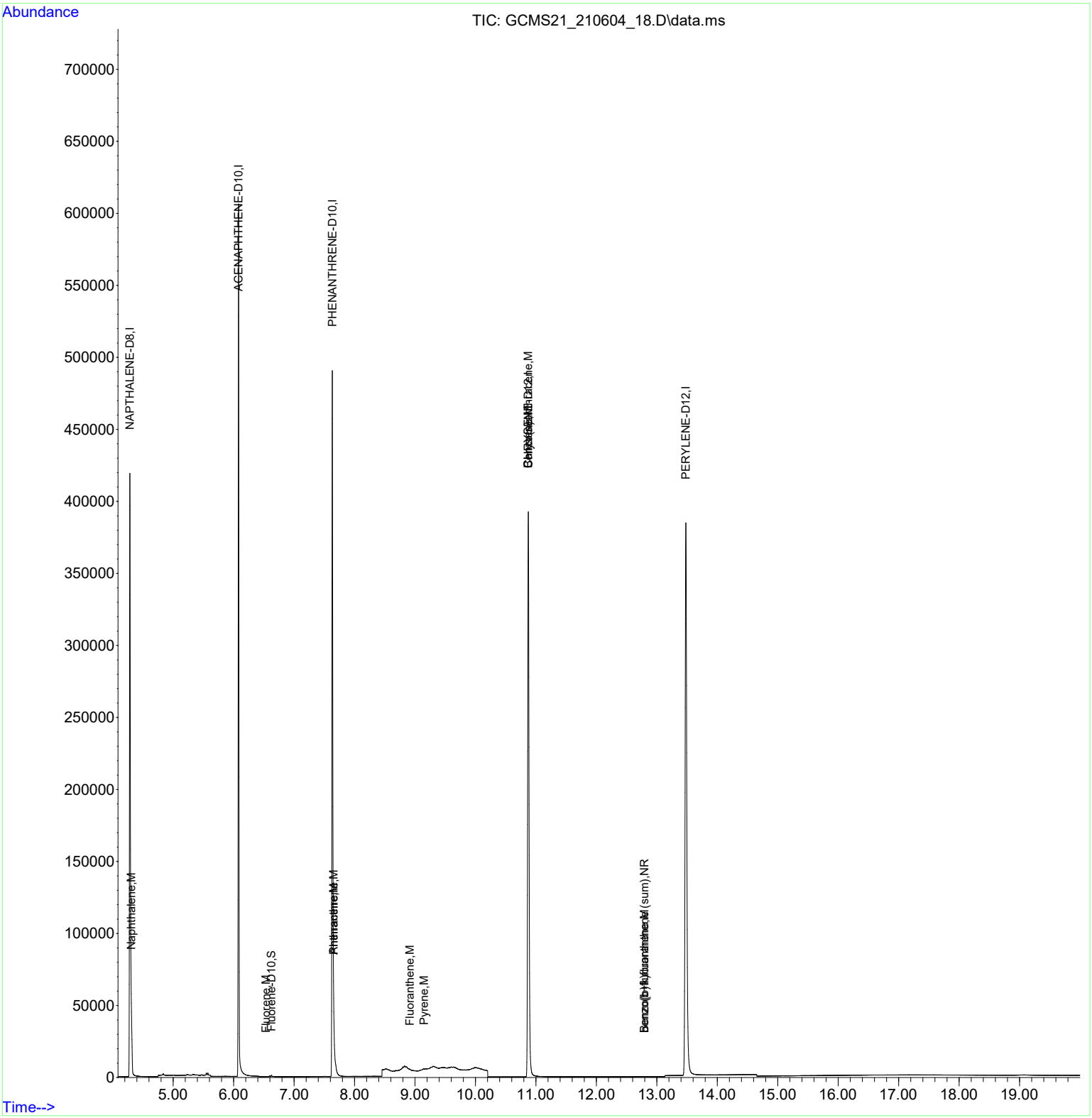
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.284	136	428247	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	247549	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.633	188	497244	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.874	240	476087	500.00	ng/mL	0.01
21) PERYLENE-D12	13.482	264	503172	500.00	ng/mL	0.02
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.627	176	466	0.79	ng/mL	0.00
14) Fluoranthene-D10	0.000	212	0	0.00	ng/mL	
17) Pyrene-D10	0.000	212	0	0.00	ng/mL	
26) Benzo(a)pyrene-D12	0.000	264	0d	0.00	ng/mL	
Target Compounds						Qvalue
2) Naphthalene	4.306	128	116	0.14	ng/mL#	67
4) 2-Methylnaphthalene	0.000		0	N.D.		
5) 1-Methylnaphthalene	0.000		0	N.D.		
7) Acenaphthylene	0.000		0	N.D.		
8) Acenaphthene	0.000		0	N.D.		
10) Fluorene	6.535	166	128	0.18	ng/mL#	2
12) Phenanthrene	7.655	178	223	0.19	ng/mL#	19
13) Anthracene	7.655	178	223	0.22	ng/mL#	13
15) Fluoranthene	8.914	202	174	0.14	ng/mL#	58
18) Pyrene	9.147	202	147	0.12	ng/mL#	1
19) Benzo(a)anthracene	10.874	228	1788	1.87	ng/mL	64
20) Chrysene	10.874	228	1788	1.51	ng/mL	60
22) Benzo(b)fluoranthene	12.794	252	139	0.13	ng/mL#	49
23) Benzo(k)fluoranthene	12.844	252	96	N.D.		
24) benzo(b+k)fluoranthene...	12.794	252	253m	0.22	ng/mL	
25) Benzo(e)pyrene	0.000		0	N.D.	d	
27) Benzo(a)pyrene	0.000		0	N.D.	d	
28) Perylene	0.000		0	N.D.	d	
29) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
30) Dibenz(a,h)anthracene	0.000		0	N.D.		
31) Benzo(g,h,i)perylene	0.000		0	N.D.		

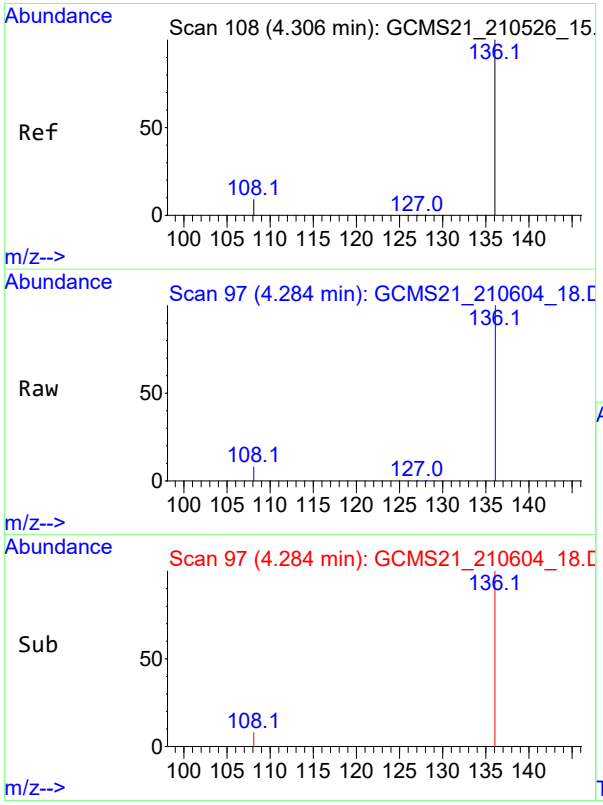
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_18.D
Acq On : 04 Jun 2021 15:43
Operator : MN GCMS21
Sample : B21E006-BLK3
Misc : ASE #2 solvent2_HexaneLIMS 21C1103
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 30 12:03:55 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

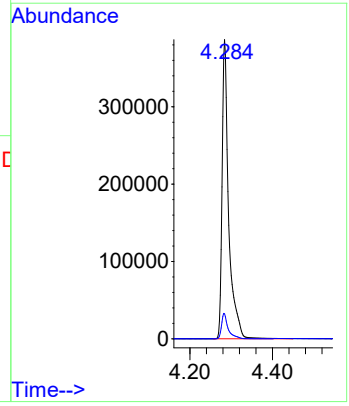


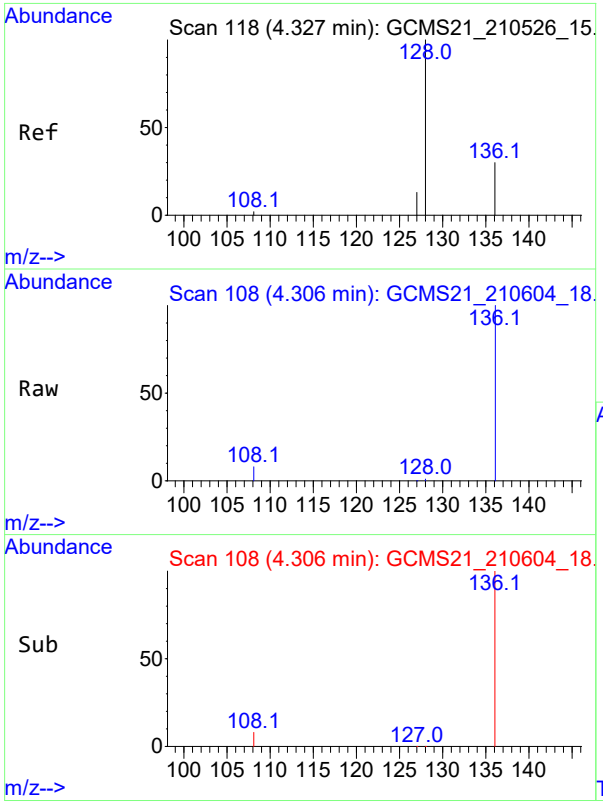


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.284 min Scan# 97
Delta R.T. -0.004 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:136 Resp: 428247

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.6

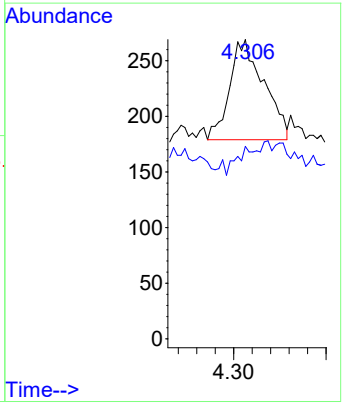


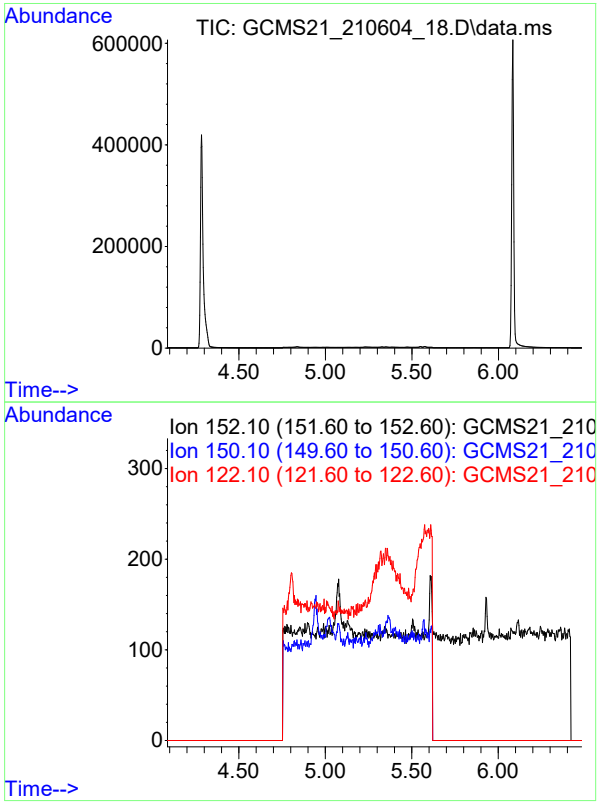


#2
Naphthalene
Concen: 0.14 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. -0.002 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:128 Resp: 116

Ion	Ratio	Lower	Upper
128	100		
127	0.0	0.0	43.4



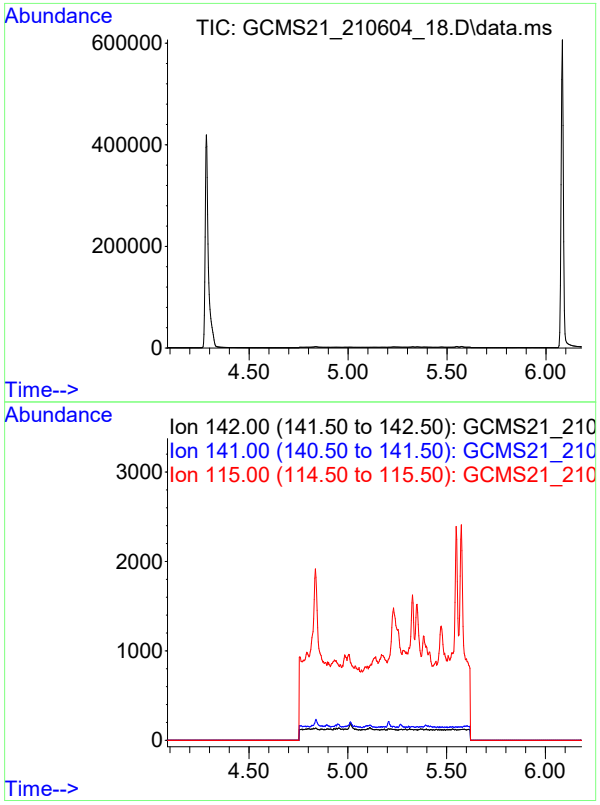


#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.98 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.8

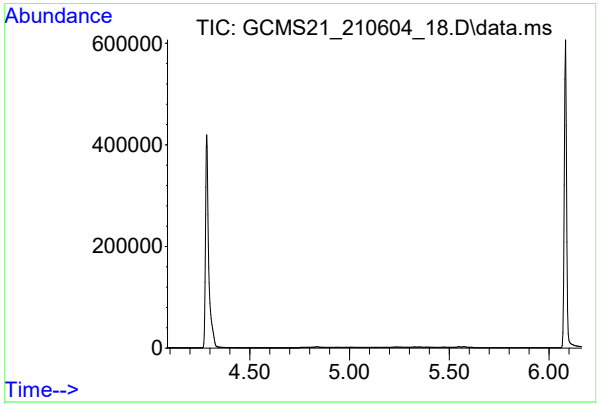


#4
2-Methylnaphthalene
Concen: N.D.
Expected RT: 5.01 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 142

Sig	Exp Ratio
142	100
141	86.9
115	27.7

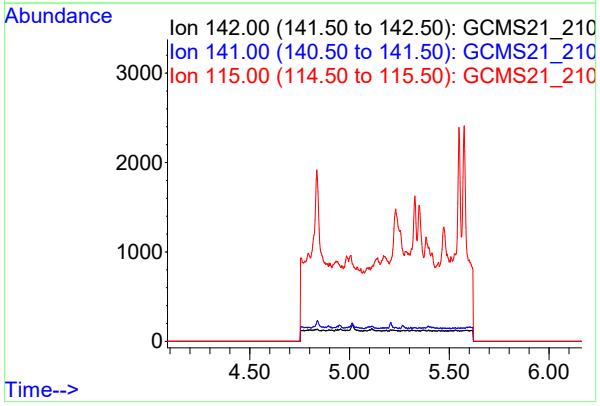


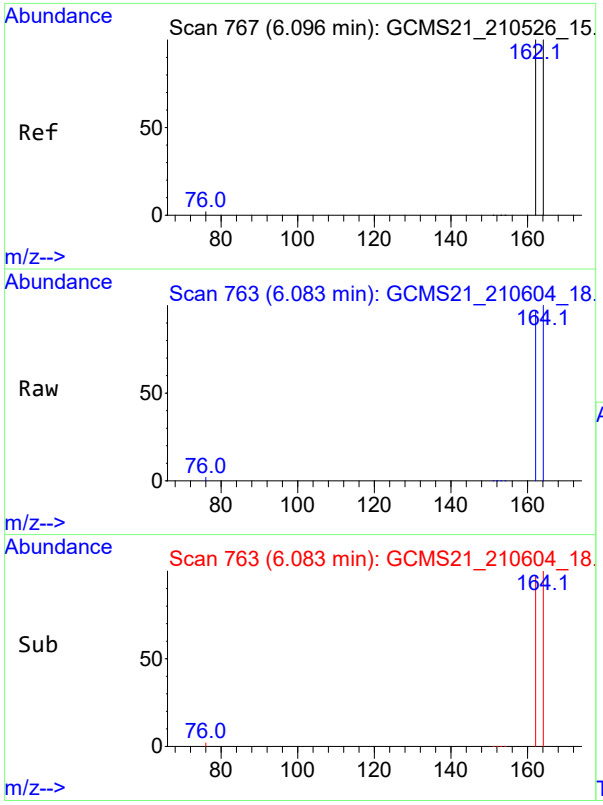
#5
1-Methylnaphthalene
Concen: N.D.
Expected RT: 5.11 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 142

Sig	Exp Ratio
142	100
141	87.9
115	27.0

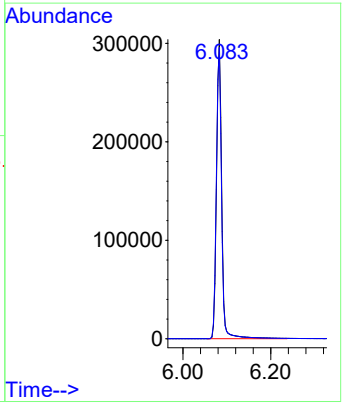


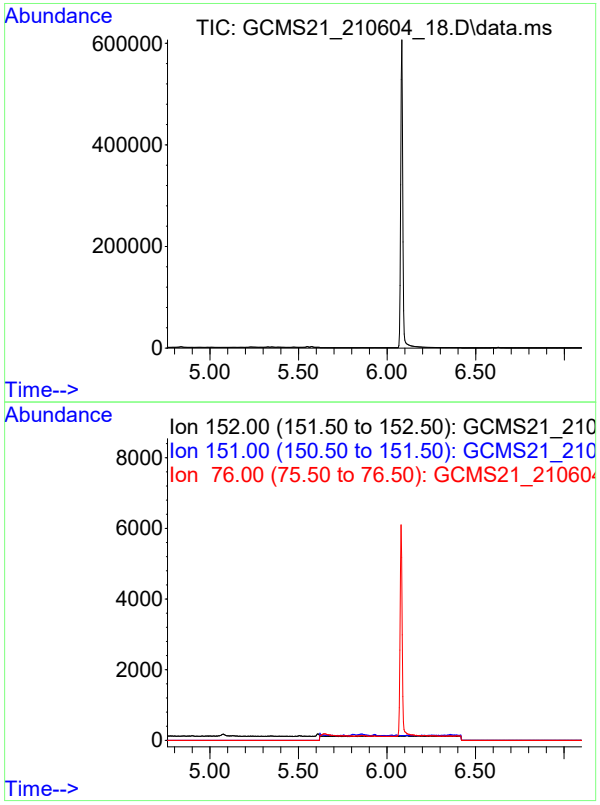


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:164 Resp: 247549

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.0	121.0



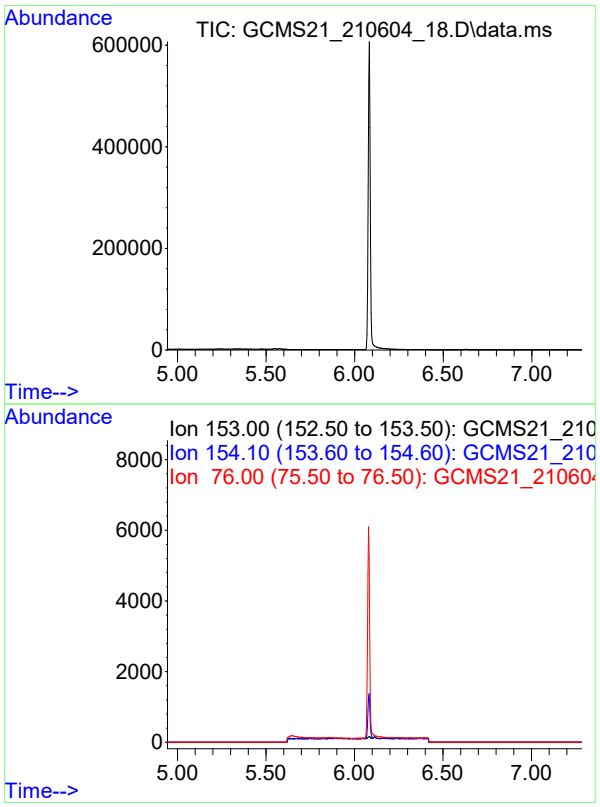


#7
Acenaphthylene
Concen: N.D.
Expected RT: 5.93 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	21.0
76	8.6

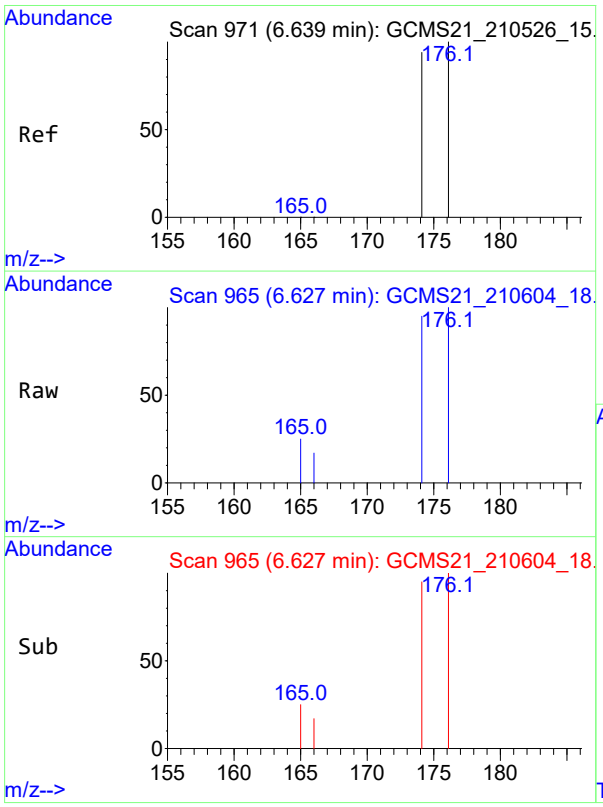


#8
Acenaphthene
Concen: N.D.
Expected RT: 6.11 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 153

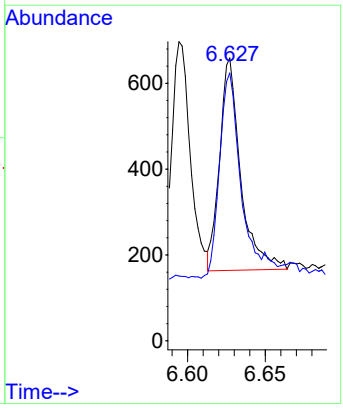
Sig	Exp Ratio
153	100
154	93.7
76	15.2

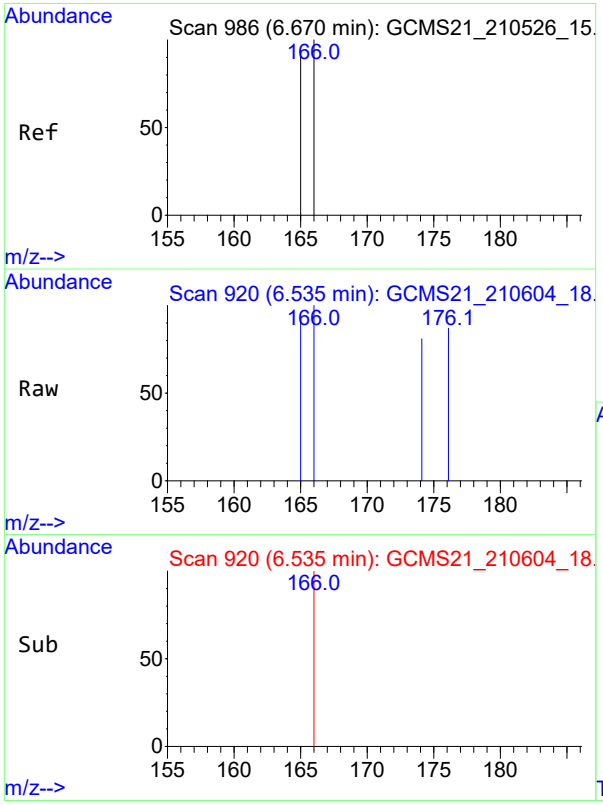


#9
Fluorene-D10
Concen: 0.79 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. 0.004 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:176 Resp: 466

Ion	Ratio	Lower	Upper
176	100		
174	95.1	63.9	123.9

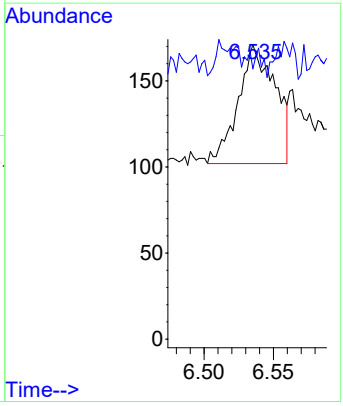


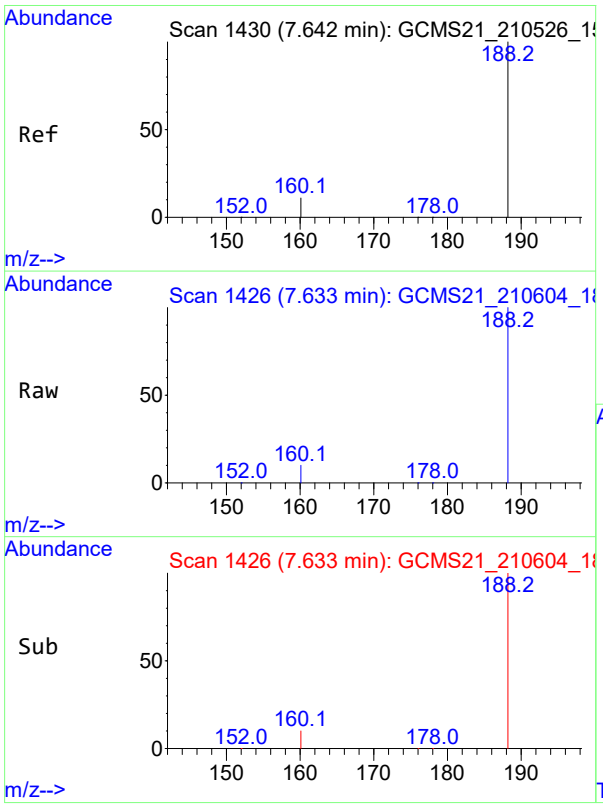


#10
Fluorene
Concen: 0.18 ng/mL
RT: 6.535 min Scan# 920
Delta R.T. -0.117 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:166 Resp: 128

Ion	Ratio	Lower	Upper
166	100		
165	0.0	65.1	125.1#

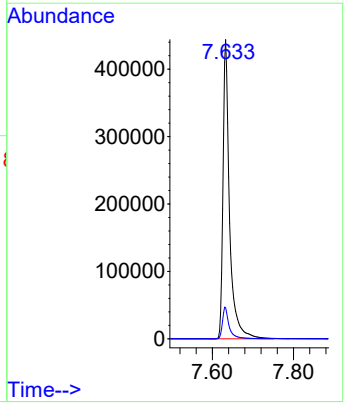


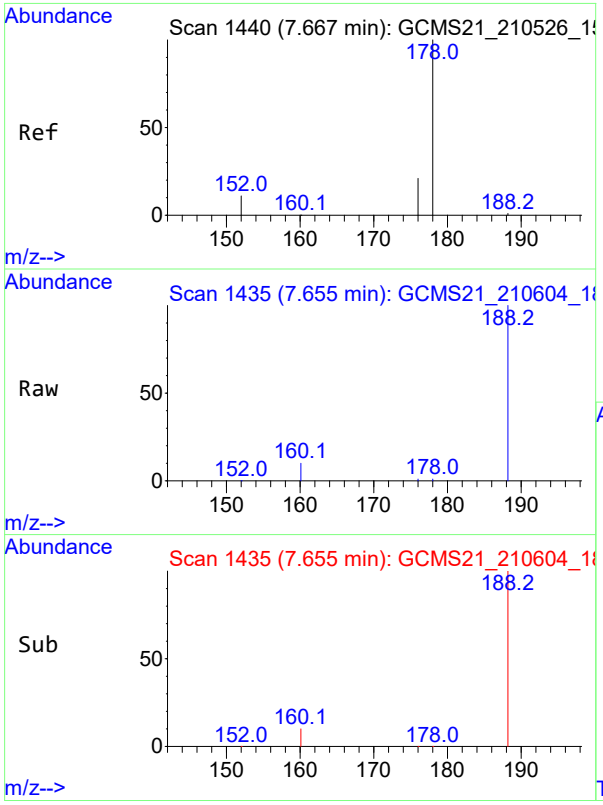


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.633 min Scan# 1426
Delta R.T. 0.005 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:188 Resp: 497244

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	41.1

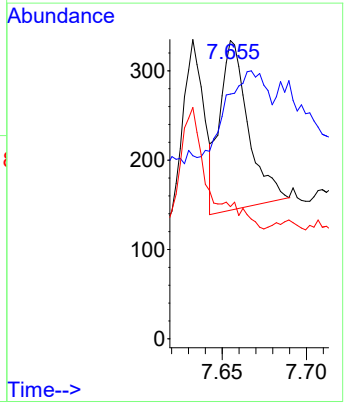


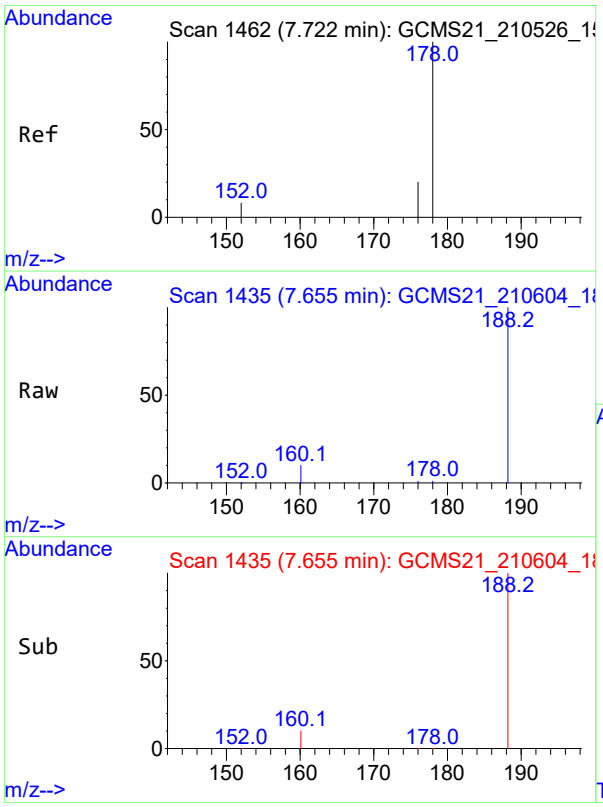


#12
Phenanthrene
Concen: 0.19 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. 0.005 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:178 Resp: 223

Ion	Ratio	Lower	Upper
178	100		
176	71.7	0.0	51.1#
152	0.0	0.0	40.5

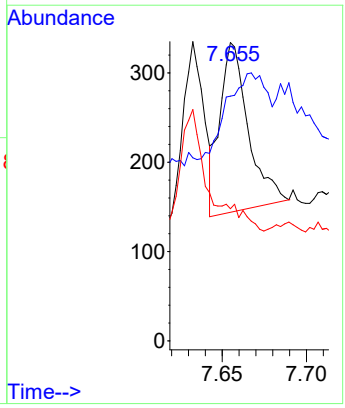


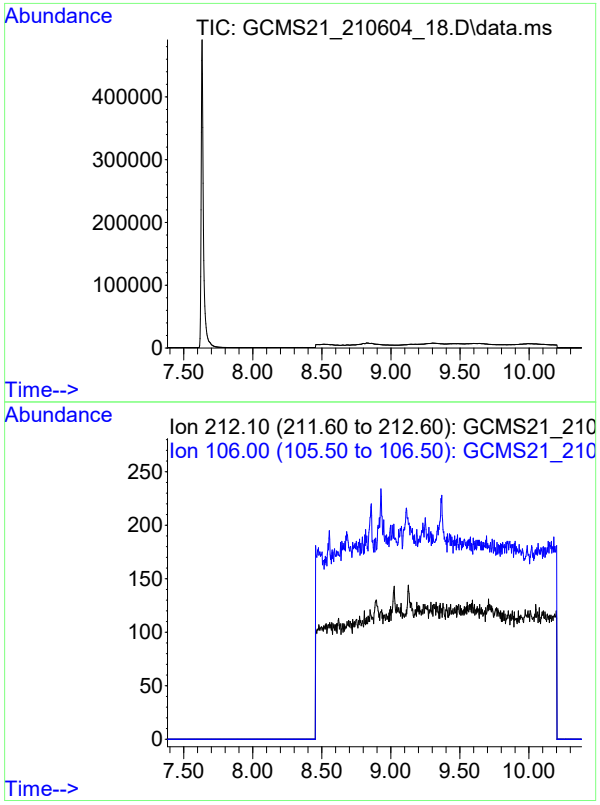


#13
Anthracene
Concen: 0.22 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. -0.049 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:178 Resp: 223

Ion	Ratio	Lower	Upper
178	100		
176	71.7	0.0	50.0#
152	0.0	0.0	38.2



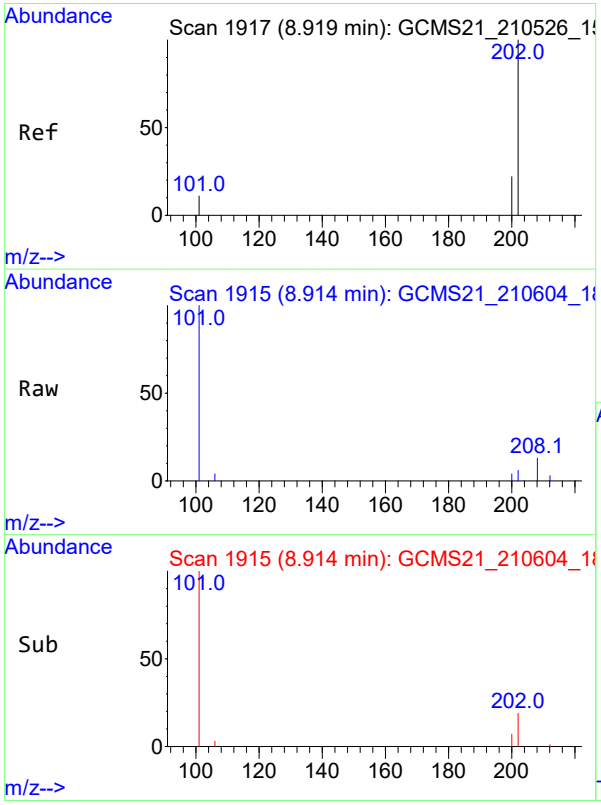


#14
Fluoranthene-D10
Concen: 0.00 ng/mL
Expected RT: 8.88 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 212

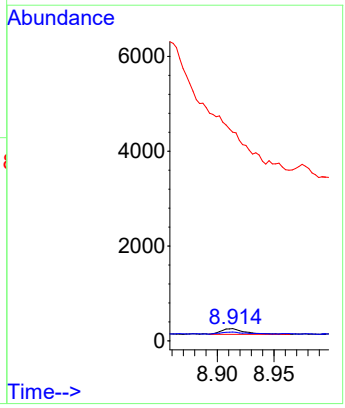
Sig	Exp Ratio
212	100
106	13.1

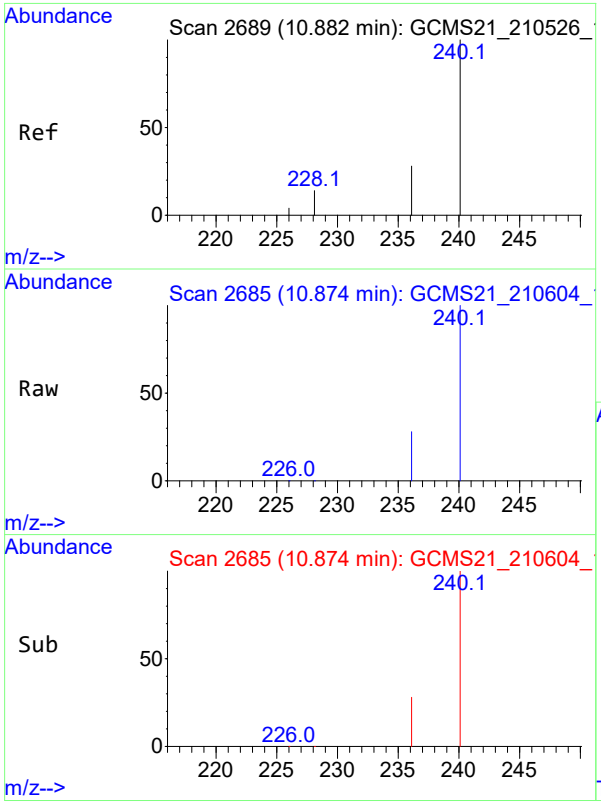


#15
Fluoranthene
Concen: 0.14 ng/mL
RT: 8.914 min Scan# 1915
Delta R.T. 0.015 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:202 Resp: 174

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.3
101	0.0	0.0	41.8

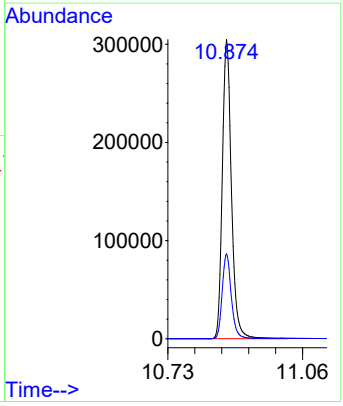


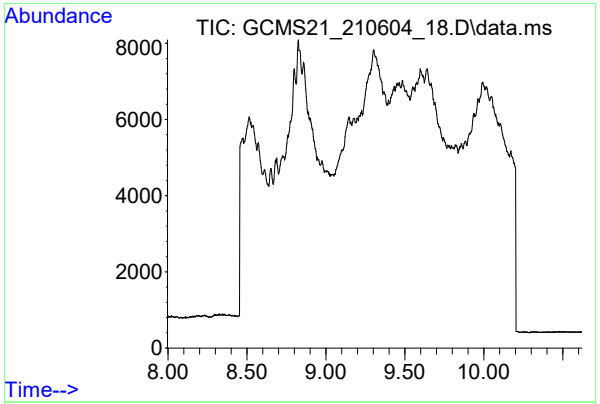


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.874 min Scan# 2685
Delta R.T. 0.012 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:240 Resp: 476087

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5



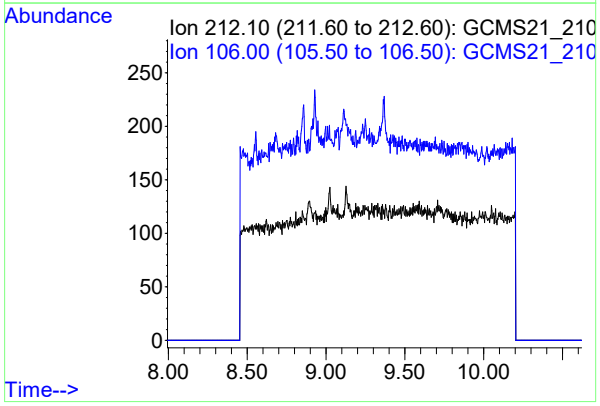


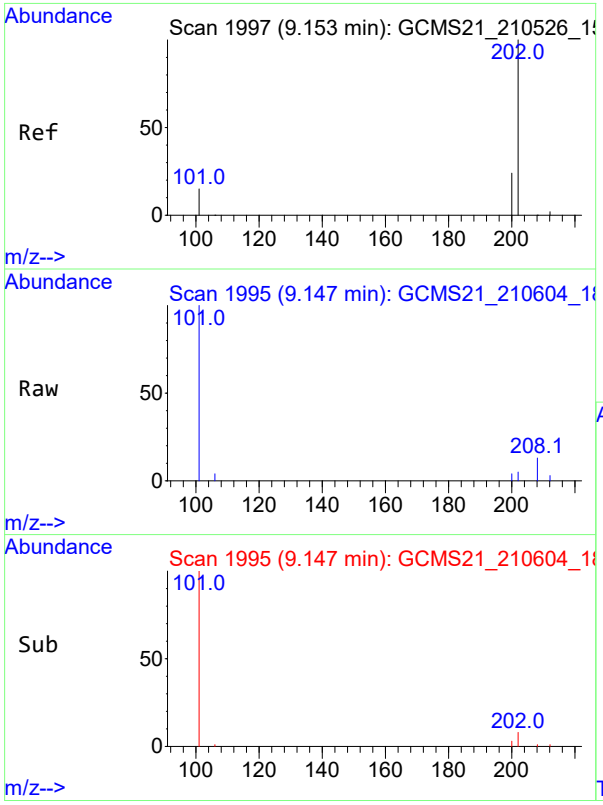
#17
Pyrene-D10
Concen: 0.00 ng/mL
Expected RT: 9.12 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	16.3

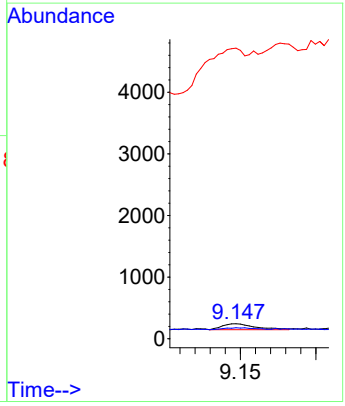


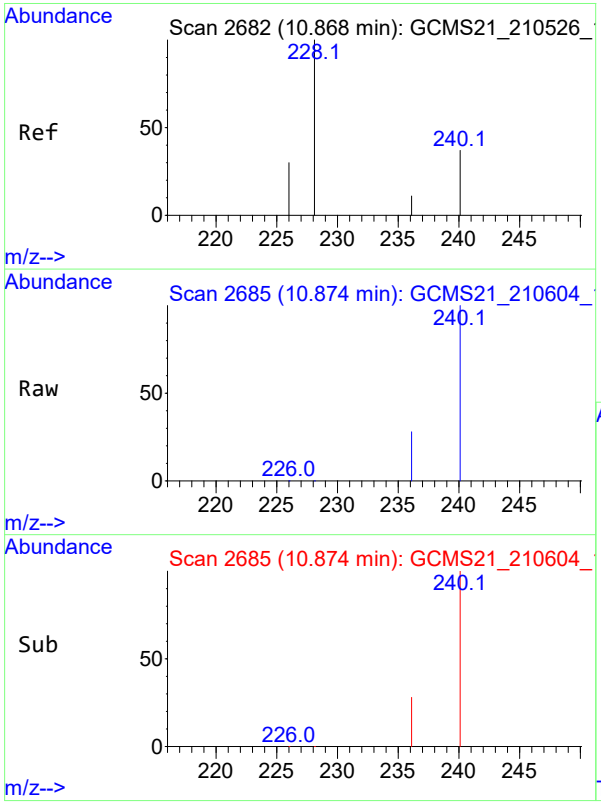


#18
Pyrene
Concen: 0.12 ng/mL
RT: 9.147 min Scan# 1995
Delta R.T. 0.007 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:202 Resp: 147

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.3
101	1004.1	0.0	43.2#

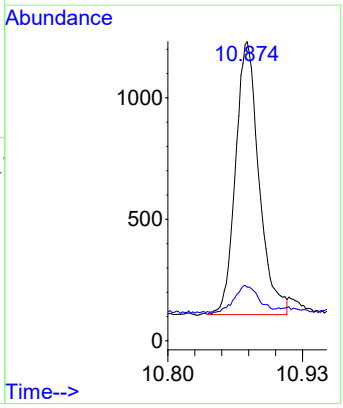


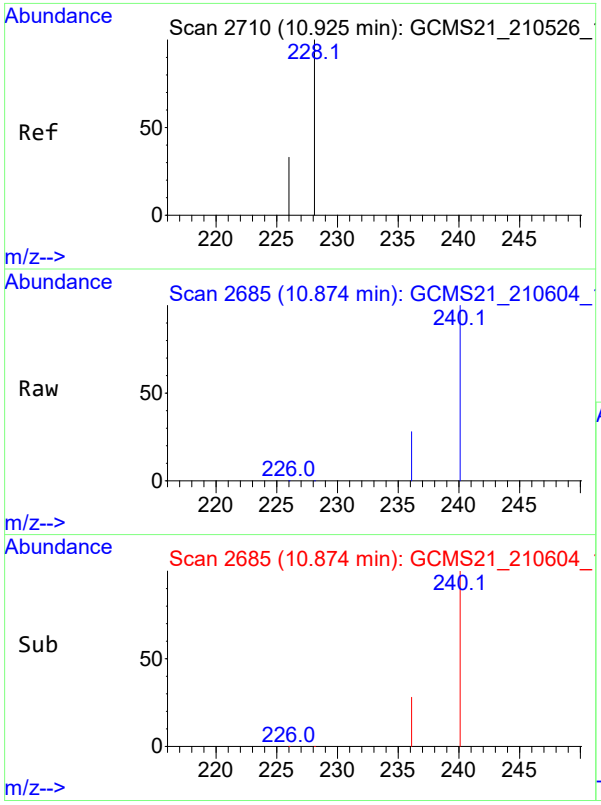


#19
Benzo(a)anthracene
Concen: 1.87 ng/mL
RT: 10.874 min Scan# 2685
Delta R.T. 0.027 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:228 Resp: 1788

Ion	Ratio	Lower	Upper
228	100		
226	9.9	0.0	59.2

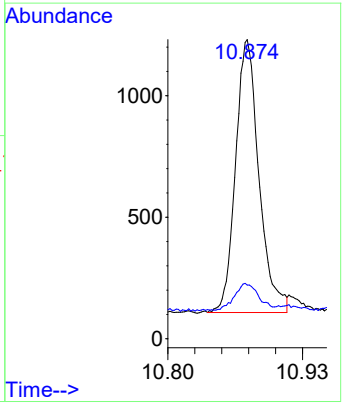


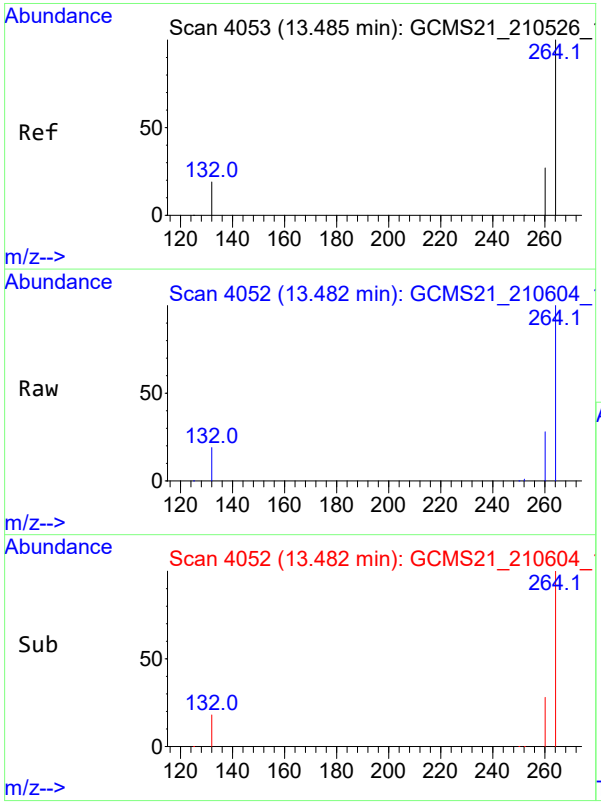


#20
Chrysene
Concen: 1.51 ng/mL
RT: 10.874 min Scan# 2685
Delta R.T. -0.031 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:228 Resp: 1788

Ion	Ratio	Lower	Upper
228	100		
226	9.9	1.9	61.9

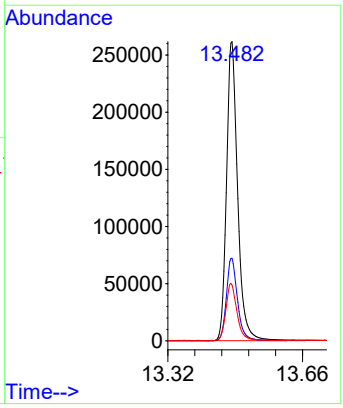


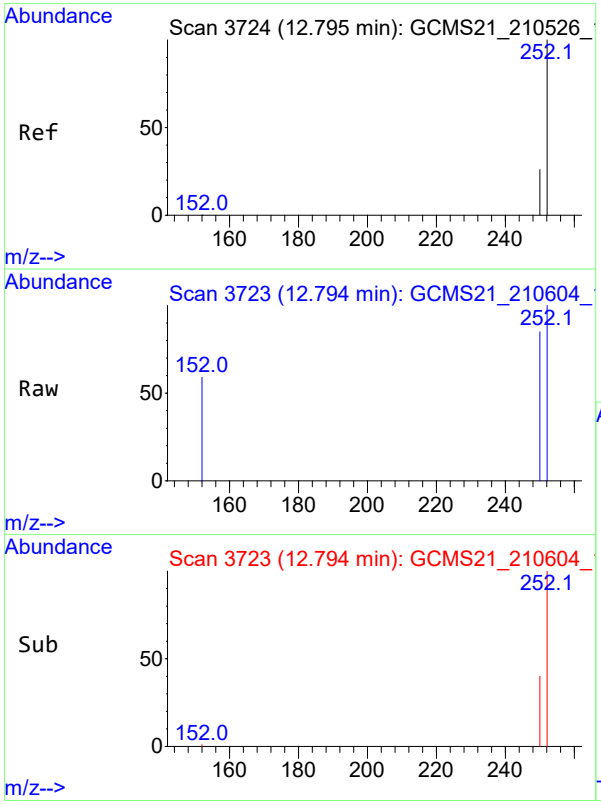


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. 0.021 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:264 Resp: 503172

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.7
132	19.1	0.0	49.0

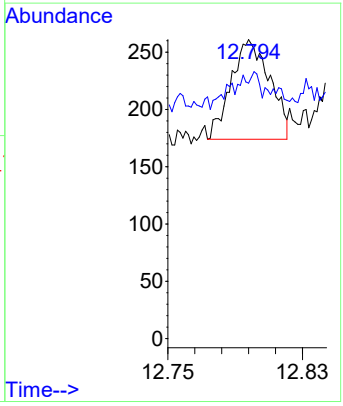


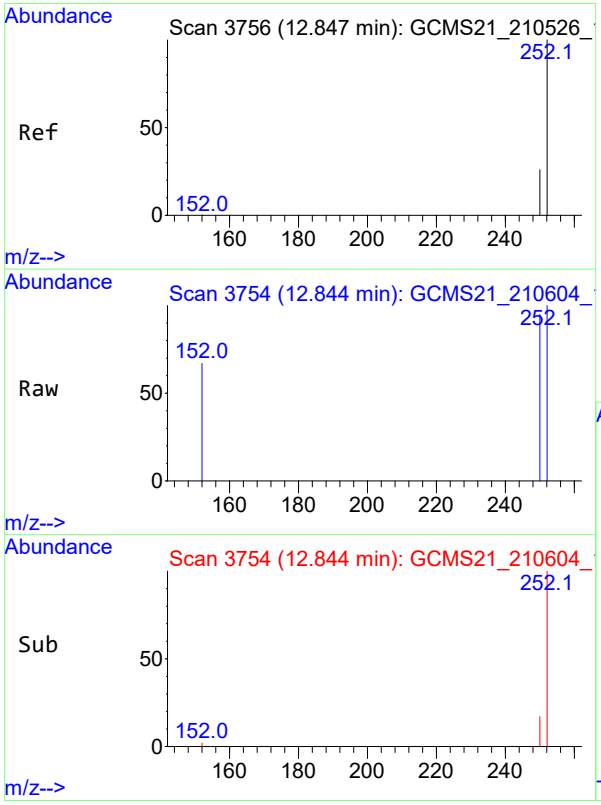


#22
Benzo(b)fluoranthene
Concen: 0.13 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. 0.021 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:252 Resp: 139

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	56.1

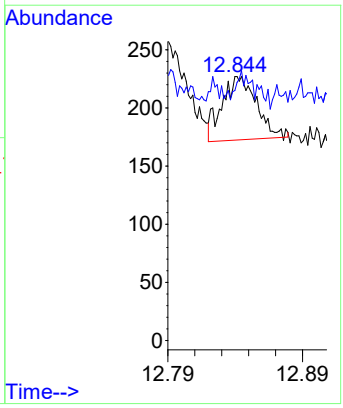


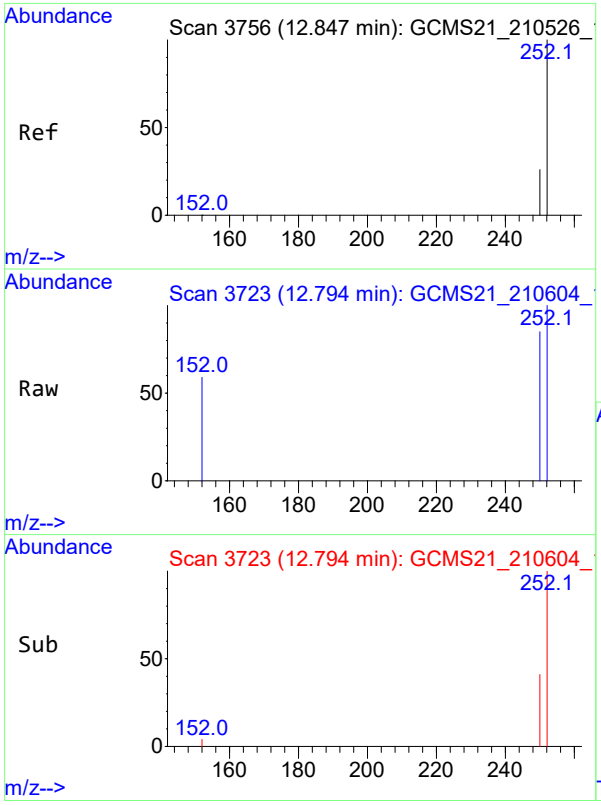


#23
Benzo(k)fluoranthene
Concen: Below Cal m
RT: 12.844 min Scan# 3754
Delta R.T. 0.021 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:252 Resp: 96

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.4

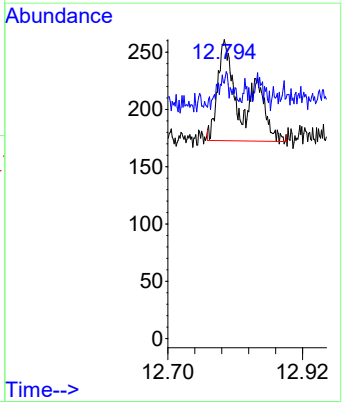


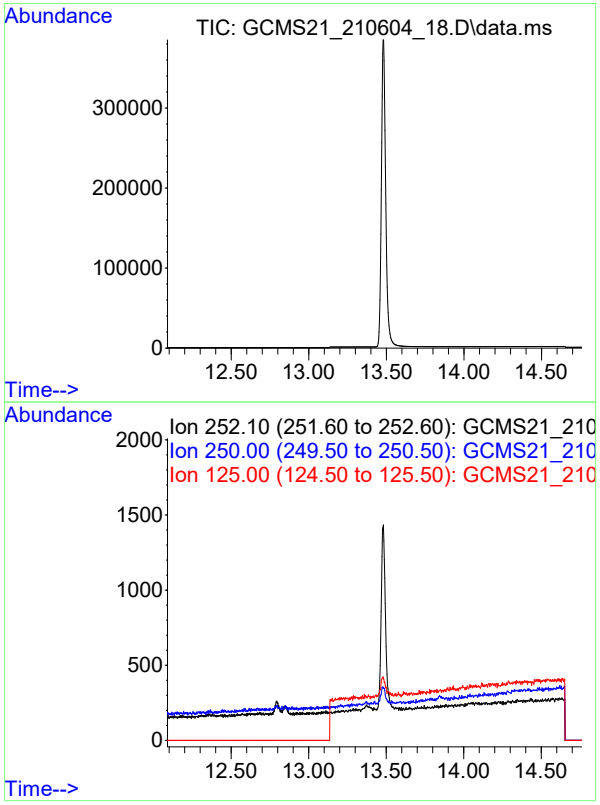


#24
benzo(b+k)fluoranthene (sum)
Concen: 0.22 ng/mL m
RT: 12.794 min Scan# 3723
Delta R.T. -0.029 min
Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion:252 Resp: 253

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.4



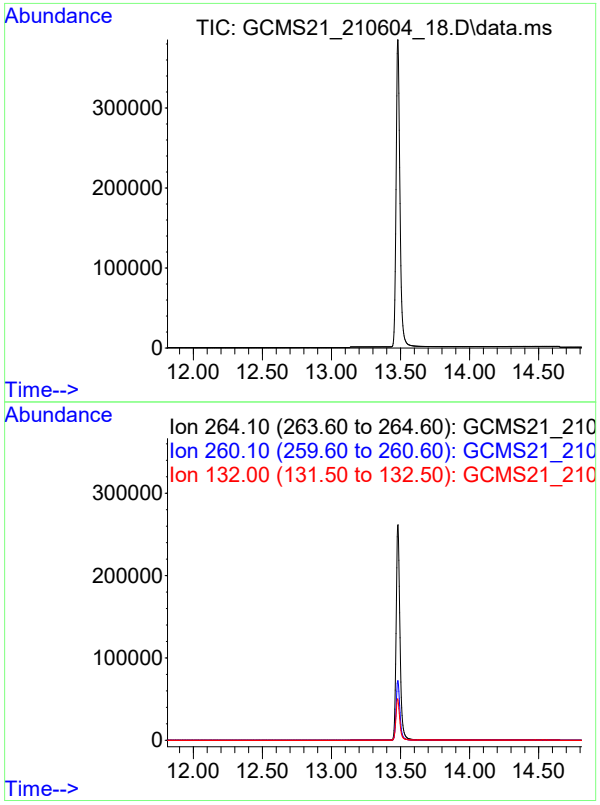


#25
Benzo(e)pyrene
Concen: N.D.
Expected RT: 13.26 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	32.1
125	15.8

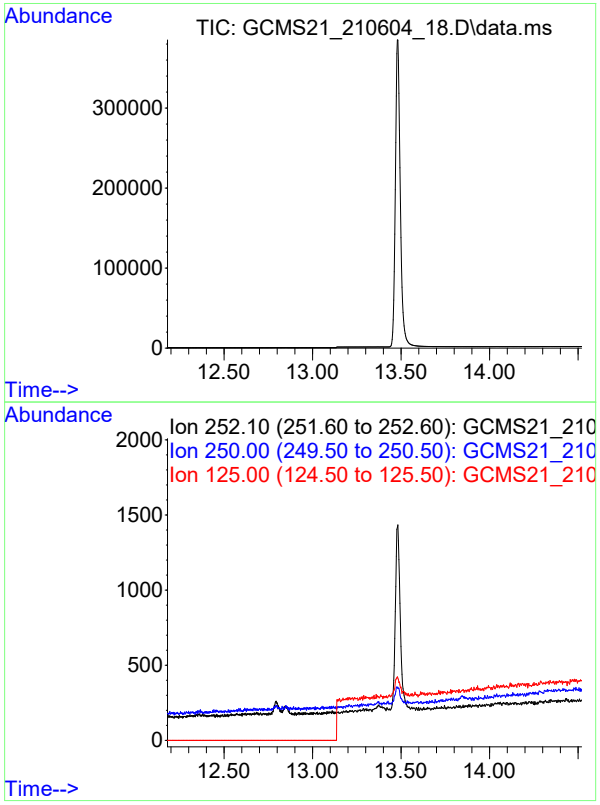


#26
Benzo(a)pyrene-D12
Concen: 0.00 ng/mL
Expected RT: 13.31 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 264

Sig	Exp Ratio
264	100
260	22.9
132	18.4

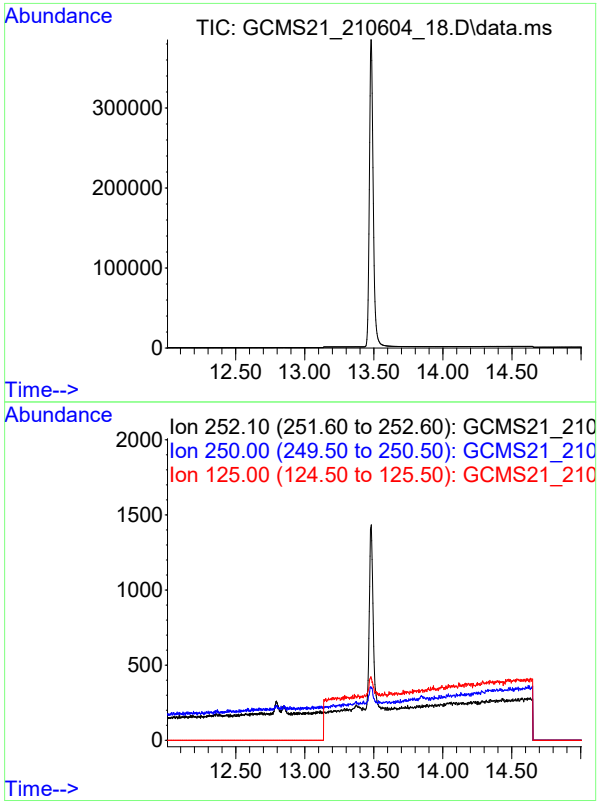


#27
Benzo(a)pyrene
Concen: N.D.
Expected RT: 13.35 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	26.7
125	12.1

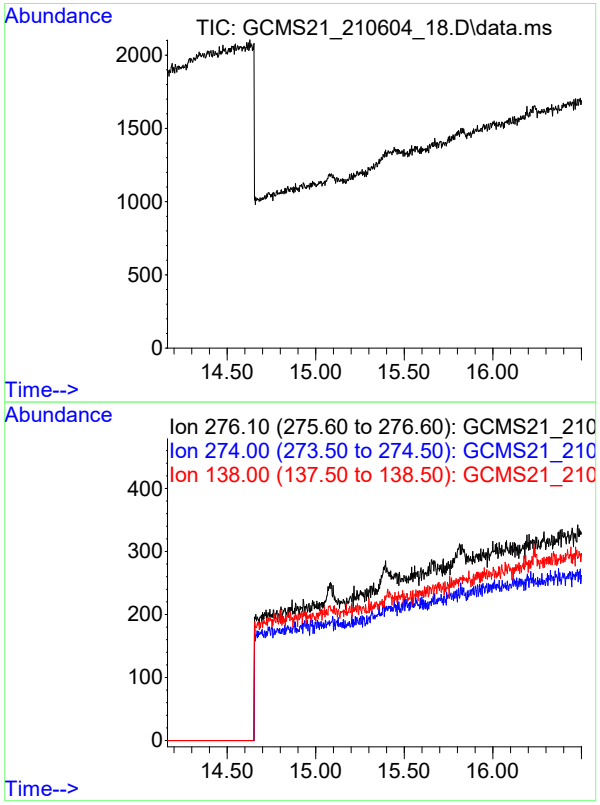


#28
Perylene
Concen: N.D.
Expected RT: 13.51 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	31.2
125	16.5

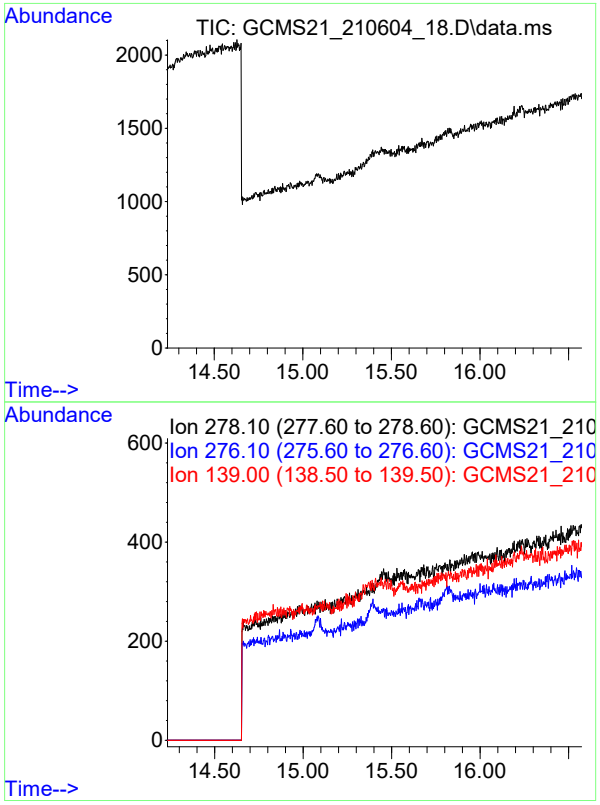


#29
Indeno(1,2,3-cd)pyrene
Concen: N.D.
Expected RT: 15.33 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 276

Sig	Exp Ratio
276	100
274	23.5
138	20.6

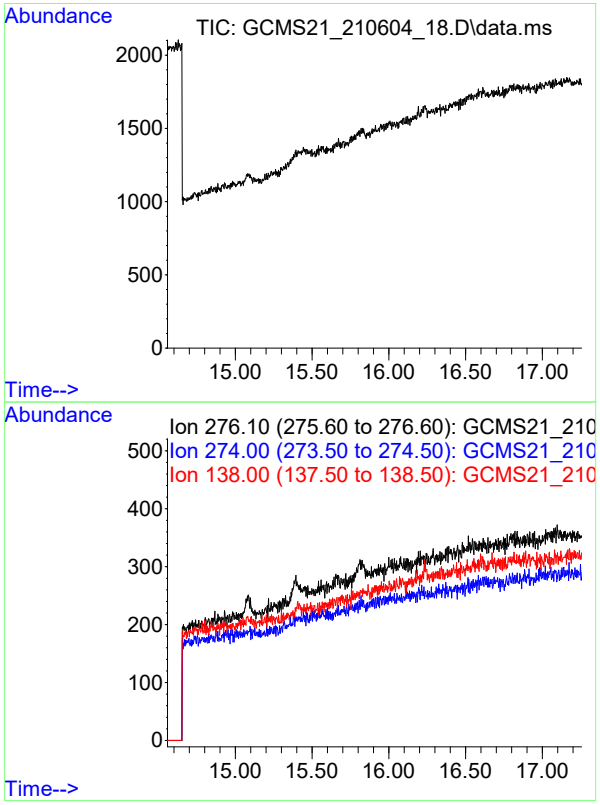


#30
Dibenz(a,h)anthracene
Concen: N.D.
Expected RT: 15.40 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 278

Sig	Exp Ratio
278	100
276	28.7
139	17.2



#31
Benzo(g,h,i)perylene
Concen: N.D.
Expected RT: 15.76 min

Lab File: GCMS21_210604_18.D
Acq: 04 Jun 2021 15:43

Tgt Ion: 276

Sig	Exp Ratio
276	100
274	24.2
138	22.4

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_07.D
Acq On : 27 May 2021 14:35
Operator : MN GCMS21
Sample : B21E006-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 11:29:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

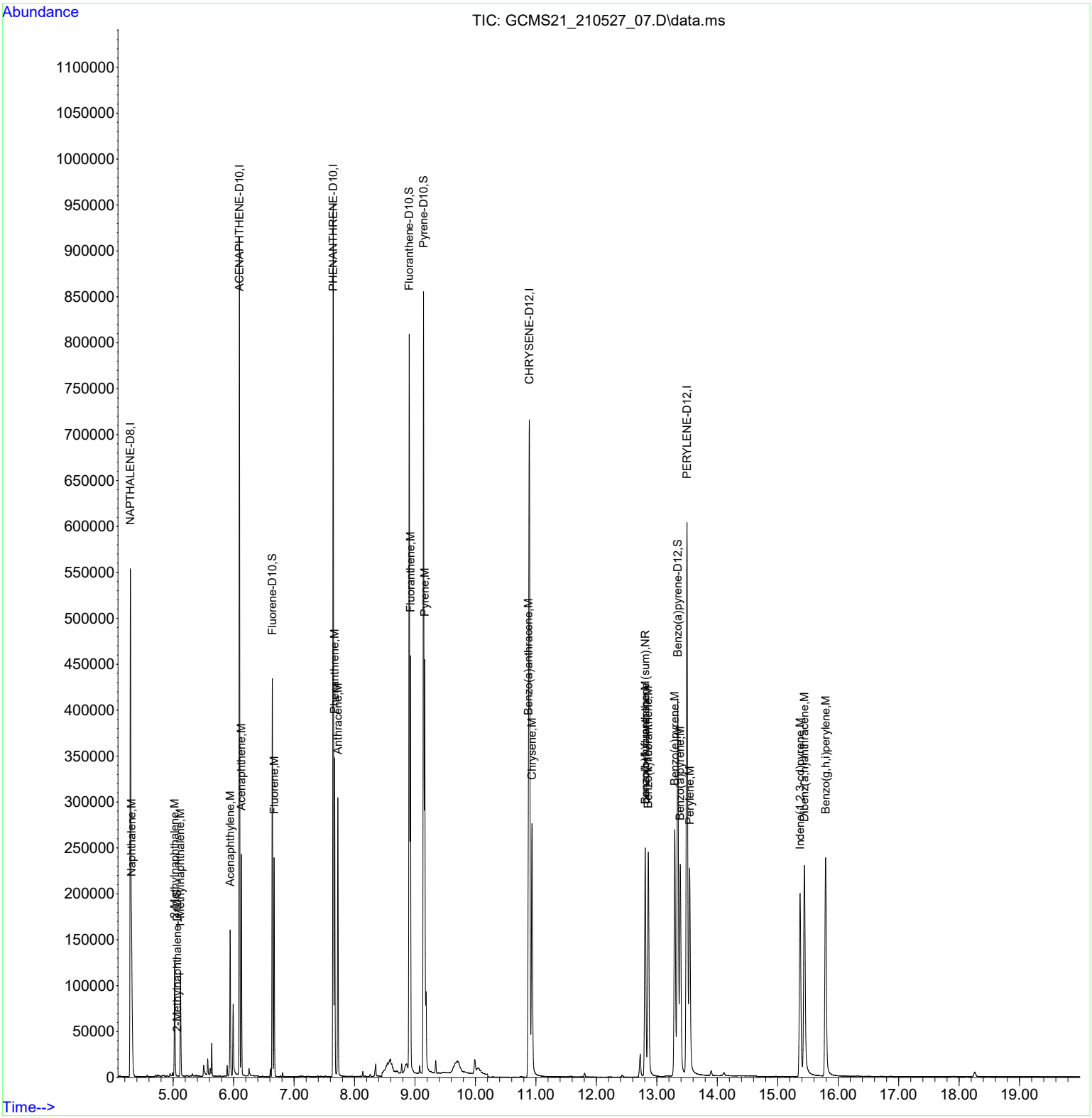
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.292	136	587410	500.00	ng/mL	-0.01
6) ACENAPHTHENE-D10	6.096	164	336286	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.647	188	658736	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.893	240	670739	500.00	ng/mL	0.01
21) PERYLENE-D12	13.499	264	668701	500.00	ng/mL	0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.068	152	288	0.39	ng/mL	0.07
9) Fluorene-D10	6.641	176	167266	207.75	ng/mL	0.00
14) Fluoranthene-D10	8.905	212	508915	356.79	ng/mL	0.00
17) Pyrene-D10	9.141	212	538311	351.76	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.347	264	469458	432.11	ng/mL	0.02
Target Compounds						Qvalue
2) Naphthalene	4.312	128	66763	59.24	ng/mL	99
4) 2-Methylnaphthalene	5.025	142	49479	59.61	ng/mL	100
5) 1-Methylnaphthalene	5.121	142	44058	63.72	ng/mL	99
7) Acenaphthylene	5.942	152	84242	75.48	ng/mL	94
8) Acenaphthene	6.126	153	66737	78.11	ng/mL	97
10) Fluorene	6.670	166	91672	96.94	ng/mL	100
12) Phenanthrene	7.670	178	198170	124.65	ng/mL	100
13) Anthracene	7.724	178	178122	134.74	ng/mL	99
15) Fluoranthene	8.925	202	268072	159.77	ng/mL	97
18) Pyrene	9.162	202	282022	157.76	ng/mL	96
19) Benzo(a)anthracene	10.876	228	248111	183.91	ng/mL	99
20) Chrysene	10.936	228	268320	161.09	ng/mL	99
22) Benzo(b)fluoranthene	12.808	252	285766	205.87	ng/mL	99
23) Benzo(k)fluoranthene	12.859	252	302971	196.95	ng/mL	99
24) benzo(b+k)fluoranthene...	12.808	252	586345m	388.76	ng/mL	
25) Benzo(e)pyrene	13.298	252	286416	204.58	ng/mL	99
27) Benzo(a)pyrene	13.388	252	250525	197.76	ng/mL	99
28) Perylene	13.543	252	237933	167.24	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.370	276	236723	218.38	ng/mL	99
30) Dibenz(a,h)anthracene	15.440	278	257227	238.09	ng/mL	90
31) Benzo(g,h,i)perylene	15.792	276	280406	199.09	ng/mL	99

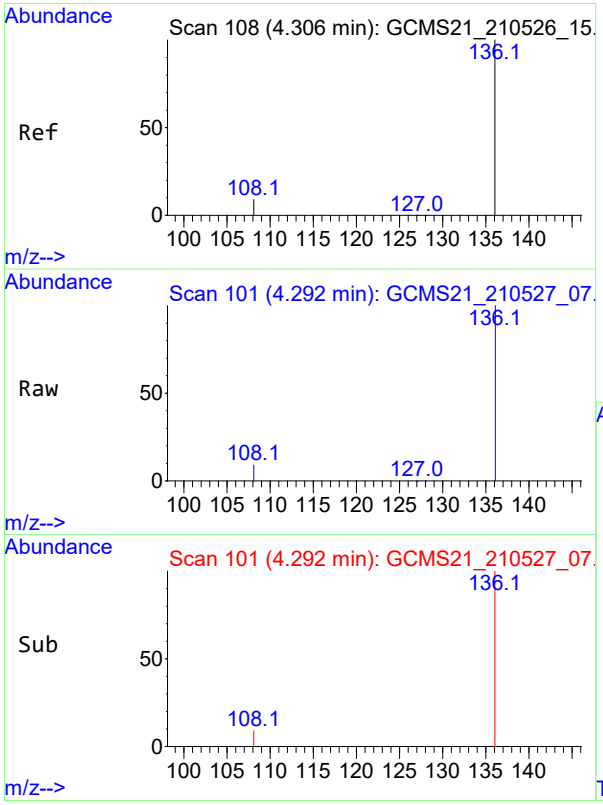
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_07.D
Acq On : 27 May 2021 14:35
Operator : MN GCMS21
Sample : B21E006-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 11:29:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

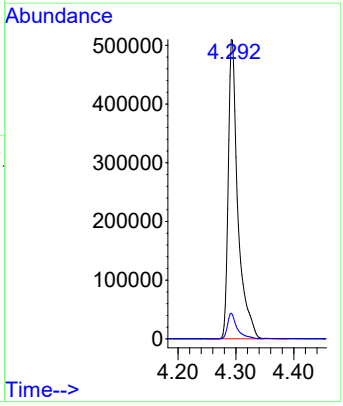


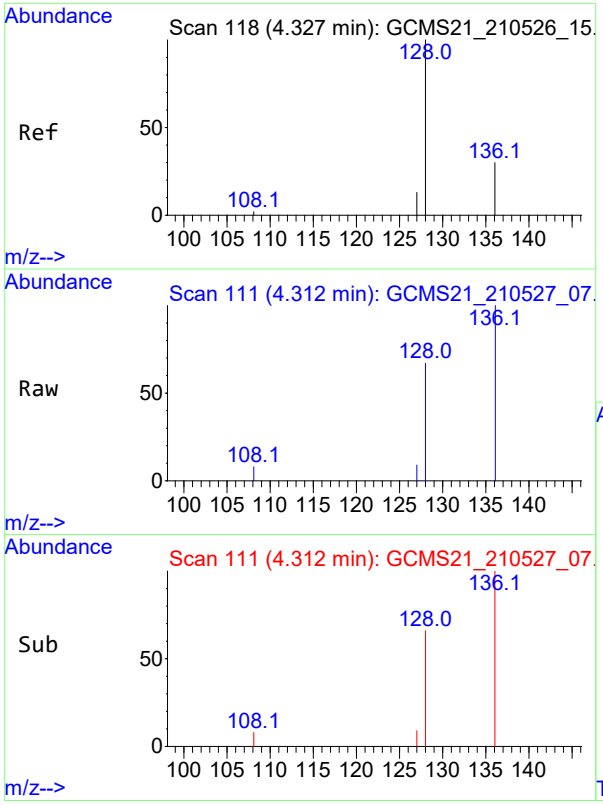


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.292 min Scan# 101
Delta R.T. -0.014 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:136 Resp: 587410

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.3

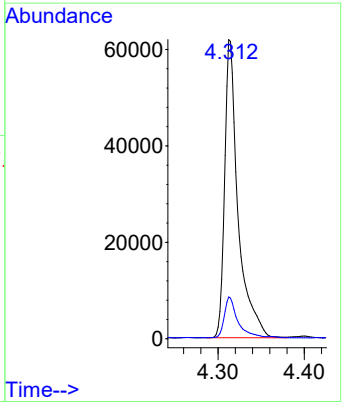


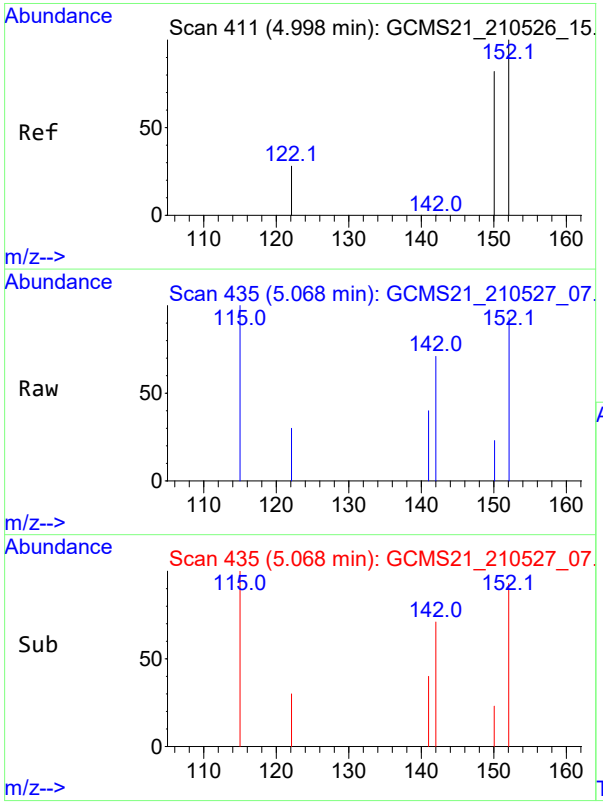


#2
Naphthalene
Concen: 59.24 ng/mL
RT: 4.312 min Scan# 111
Delta R.T. -0.014 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:128 Resp: 66763

Ion	Ratio	Lower	Upper
128	100		
127	13.6	0.0	43.3

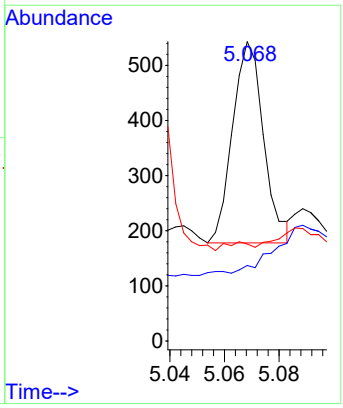


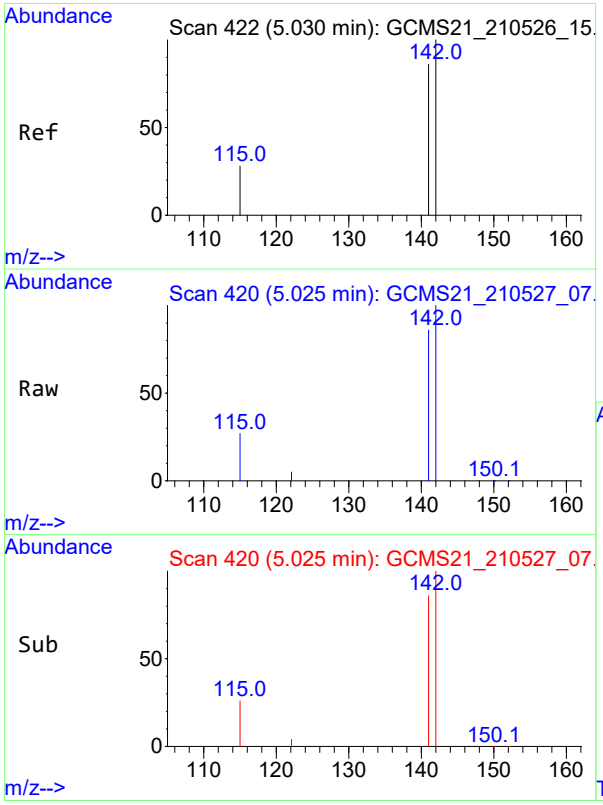


#3
2-Methylnaphthalene-D10
Concen: 0.39 ng/mL
RT: 5.068 min Scan# 435
Delta R.T. 0.070 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:152 Resp: 288

Ion	Ratio	Lower	Upper
152	100		
150	41.7	52.3	112.3#
122	0.0	0.0	57.5

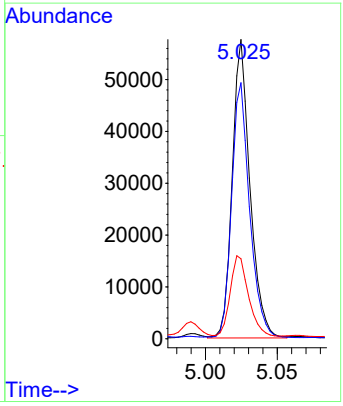


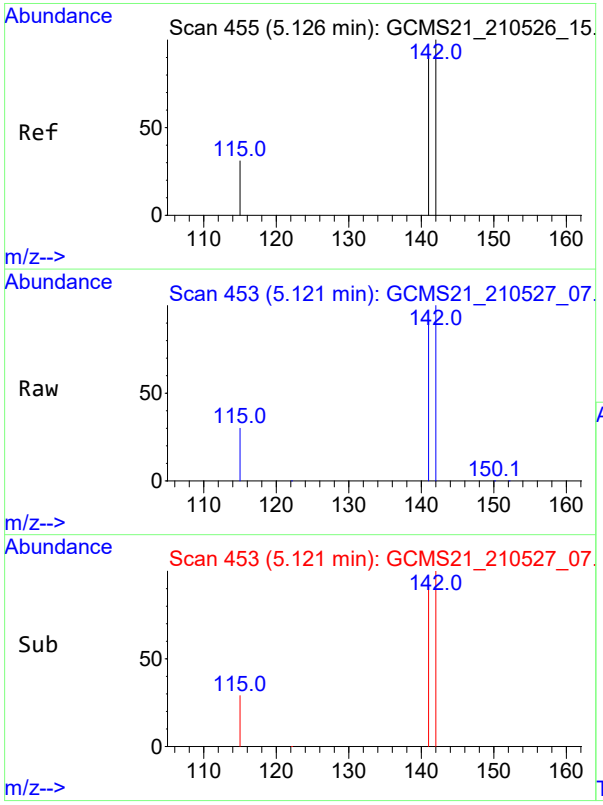


#4
2-Methylnaphthalene
Concen: 59.61 ng/mL
RT: 5.025 min Scan# 420
Delta R.T. -0.006 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:142 Resp: 49479

Ion	Ratio	Lower	Upper
142	100		
141	86.3	56.3	116.3
115	27.7	0.0	57.4

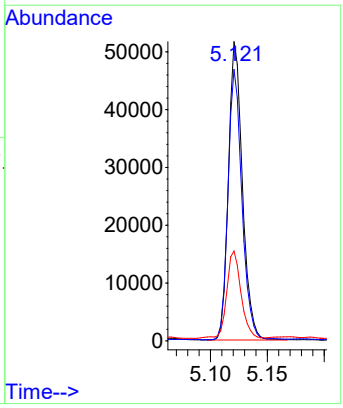


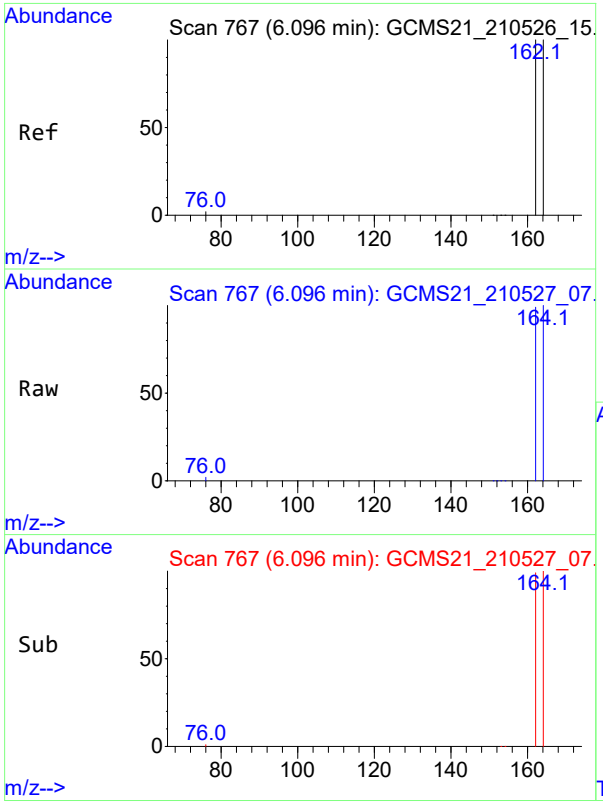


#5
1-Methylnaphthalene
Concen: 63.72 ng/mL
RT: 5.121 min Scan# 453
Delta R.T. -0.006 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:142 Resp: 44058

Ion	Ratio	Lower	Upper
142	100		
141	90.2	61.5	121.5
115	29.9	0.2	60.2

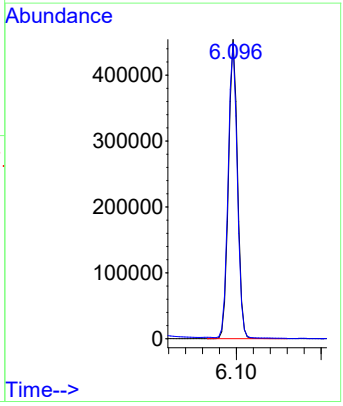


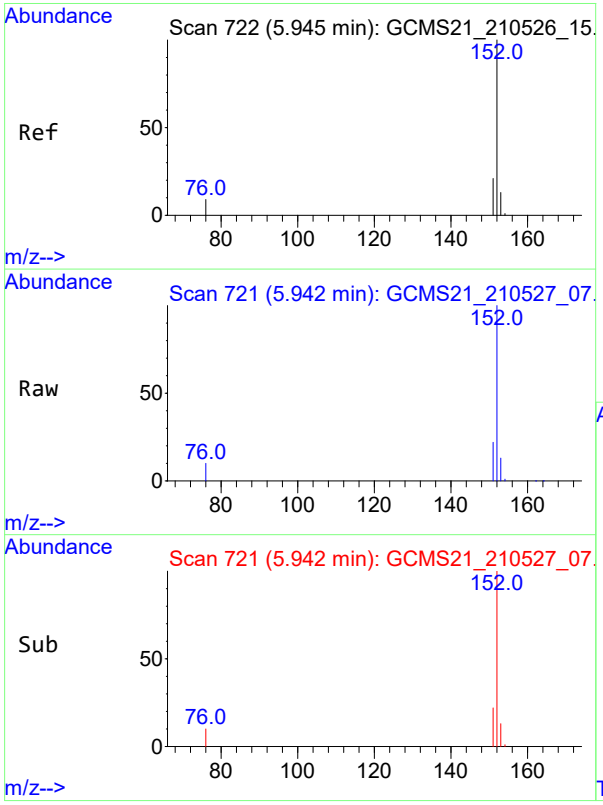


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:164 Resp: 336286

Ion	Ratio	Lower	Upper
164	100		
162	100.7	77.7	117.7

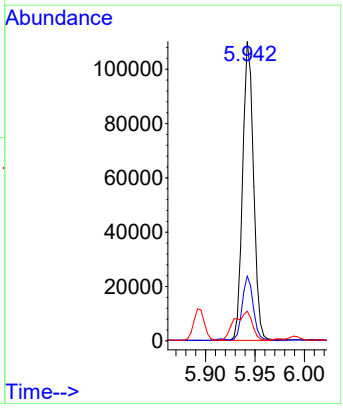


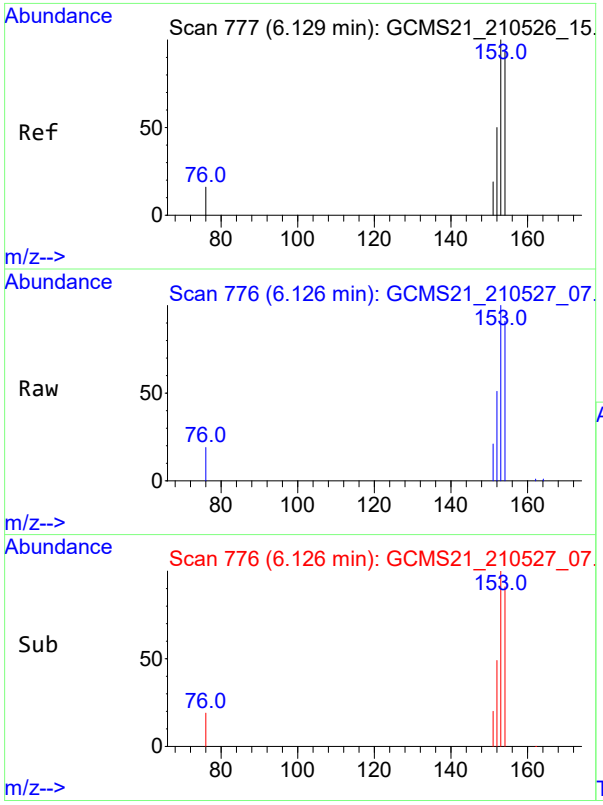


#7
Acenaphthylene
Concen: 75.48 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:152 Resp: 84242

Ion	Ratio	Lower	Upper
152	100		
151	21.6	0.0	52.0
76	15.6	0.0	39.5

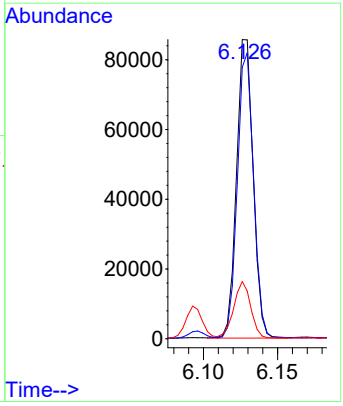


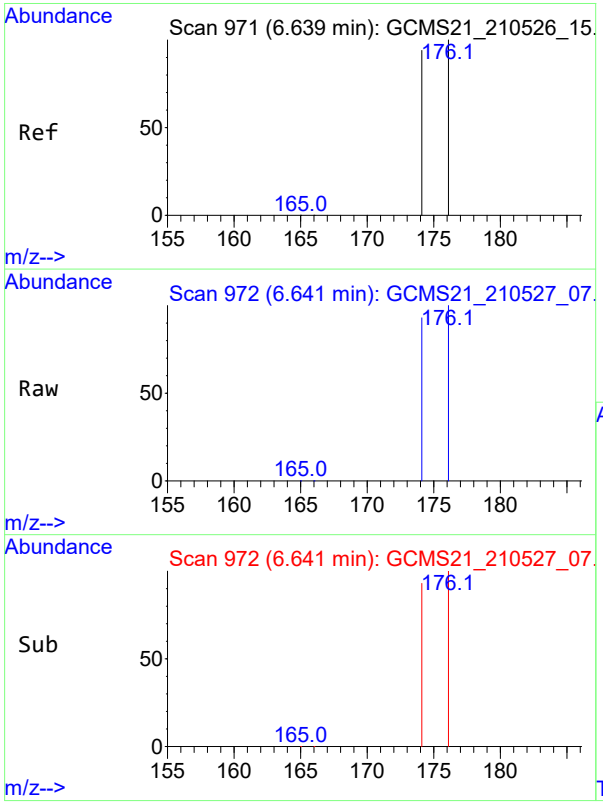


#8
Acenaphthene
Concen: 78.11 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:153 Resp: 66737

Ion	Ratio	Lower	Upper
153	100		
154	93.2	60.4	120.4
76	19.3	0.0	47.4

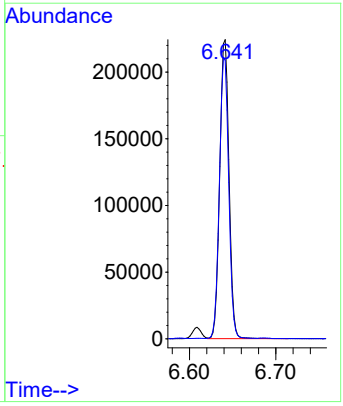


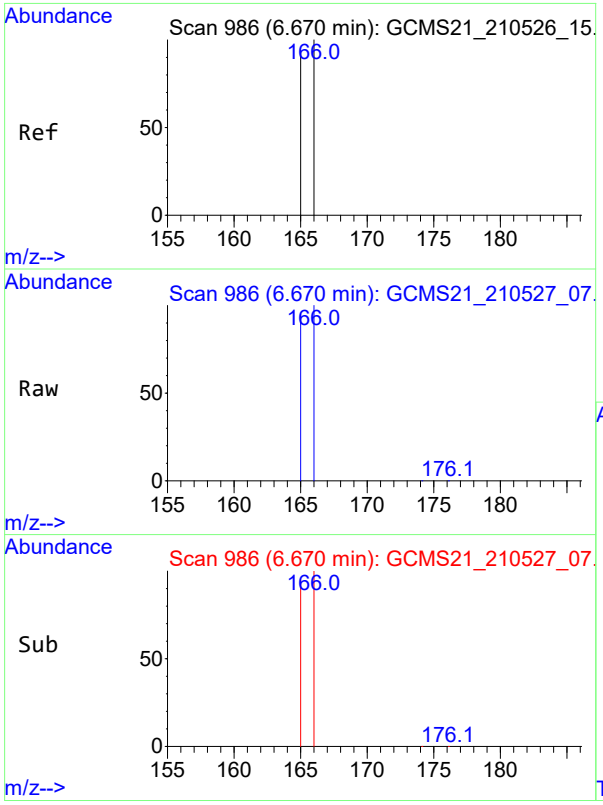


#9
Fluorene-D10
Concen: 207.75 ng/mL
RT: 6.641 min Scan# 972
Delta R.T. 0.002 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:176 Resp: 167266

Ion	Ratio	Lower	Upper
176	100		
174	94.4	63.9	123.9

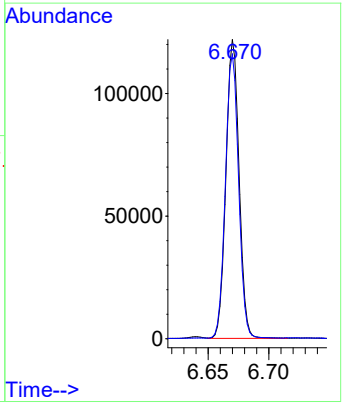


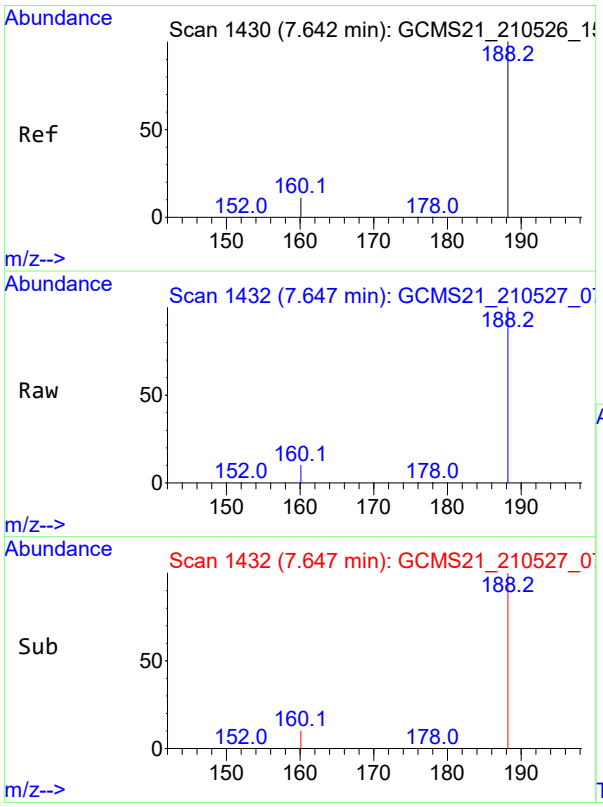


#10
Fluorene
Concen: 96.94 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:166 Resp: 91672

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.1	125.1

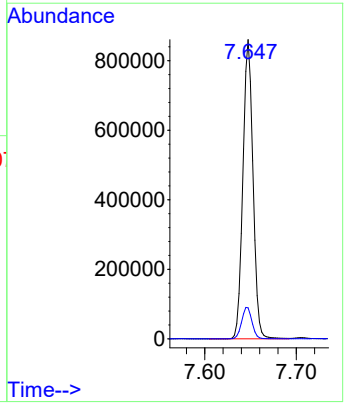


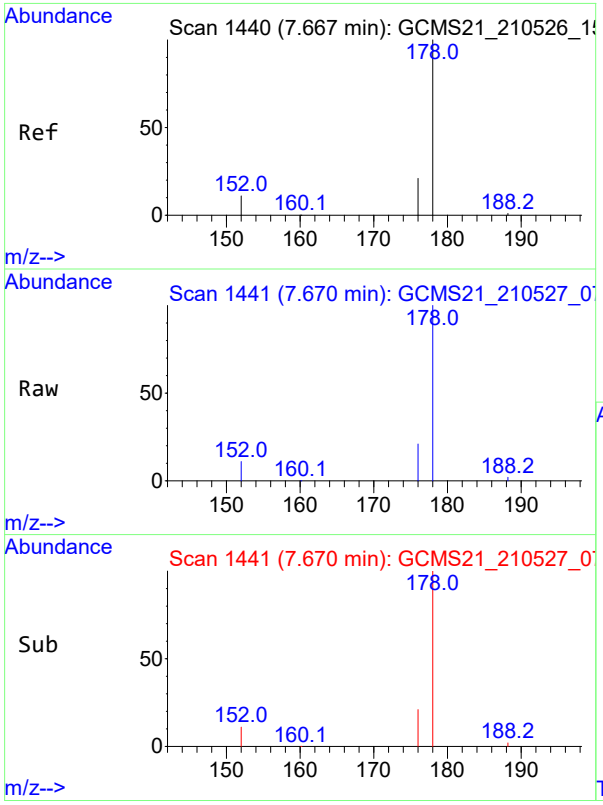


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.647 min Scan# 1432
Delta R.T. 0.005 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:188 Resp: 658736

Ion	Ratio	Lower	Upper
188	100		
160	10.7	0.0	39.8

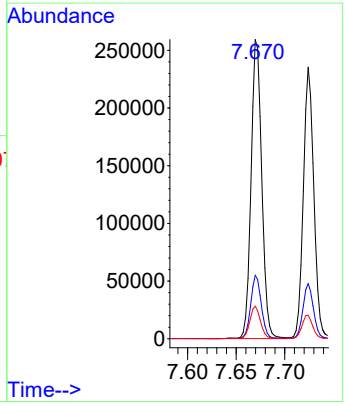


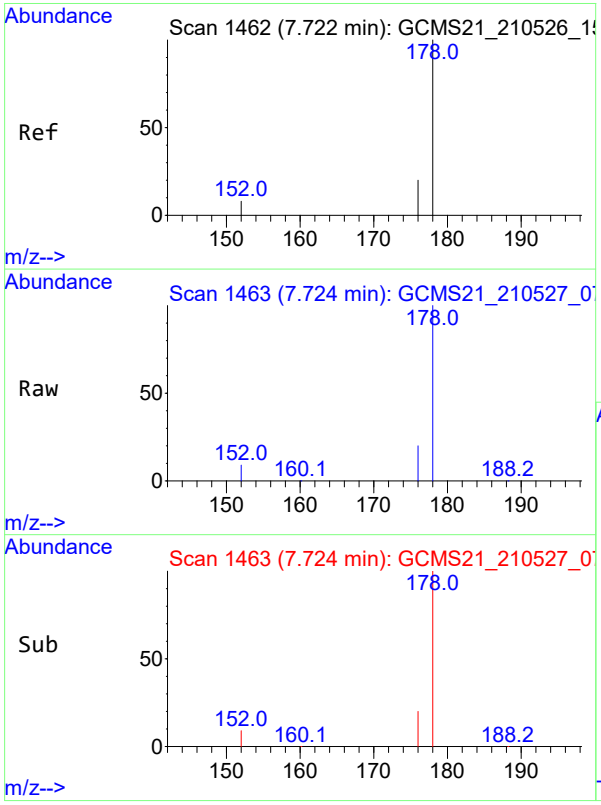


#12
Phenanthrene
Concen: 124.65 ng/mL
RT: 7.670 min Scan# 1441
Delta R.T. 0.003 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:178 Resp: 198170

Ion	Ratio	Lower	Upper
178	100		
176	20.7	0.0	50.9
152	10.7	0.0	40.5

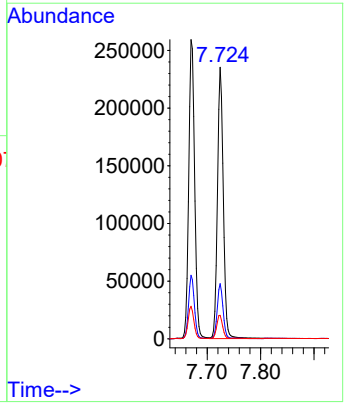


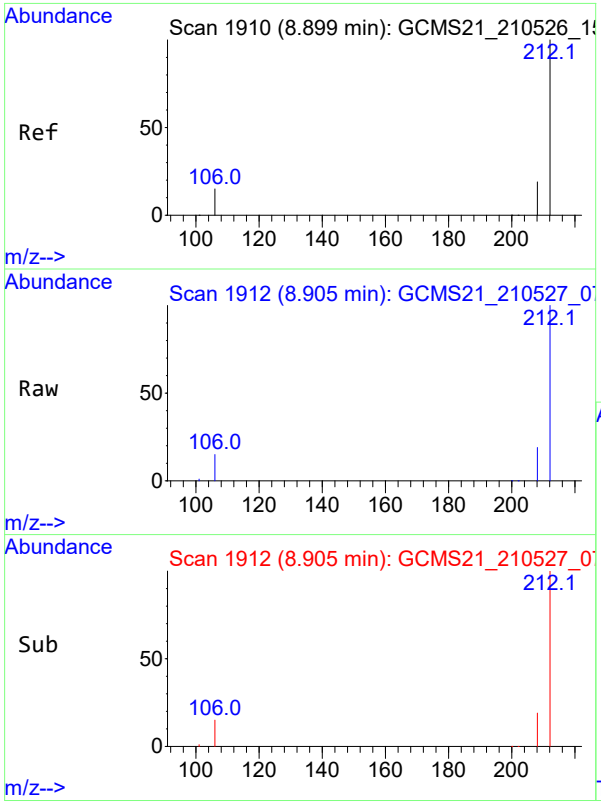


#13
Anthracene
Concen: 134.74 ng/mL
RT: 7.724 min Scan# 1463
Delta R.T. 0.002 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:178 Resp: 178122

Ion	Ratio	Lower	Upper
178	100		
176	20.0	0.0	50.2
152	8.8	0.0	38.2

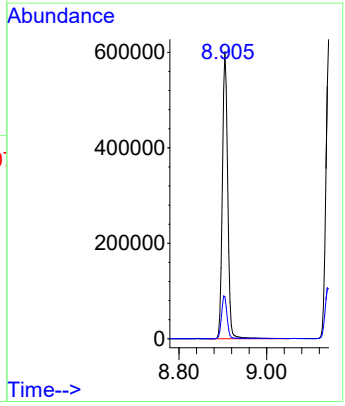


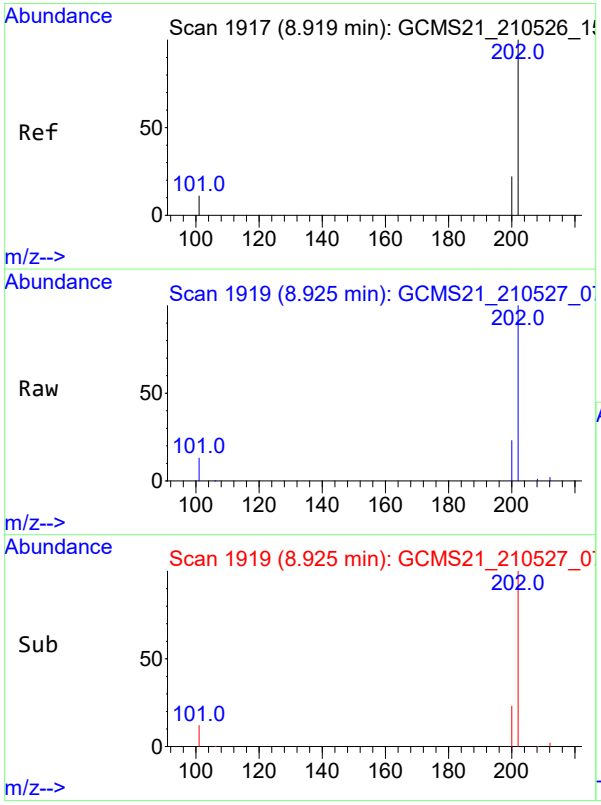


#14
Fluoranthene-D10
Concen: 356.79 ng/mL
RT: 8.905 min Scan# 1912
Delta R.T. 0.006 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:212 Resp: 508915

Ion	Ratio	Lower	Upper
212	100		
106	15.4	0.0	44.9

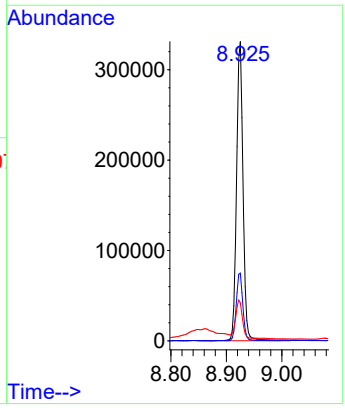


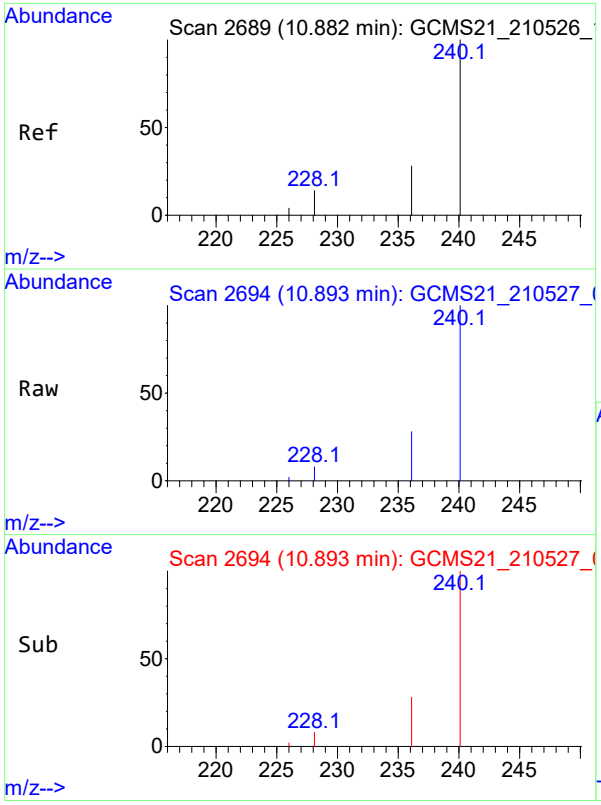


#15
Fluoranthene
Concen: 159.77 ng/mL
RT: 8.925 min Scan# 1919
Delta R.T. 0.006 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:202 Resp: 268072

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	52.4
101	13.4	0.0	41.1

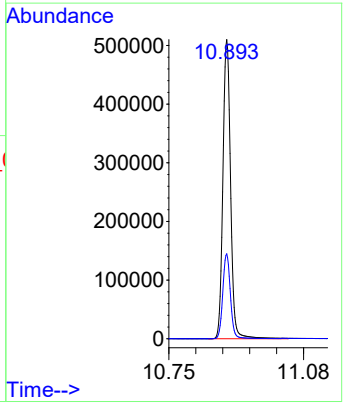


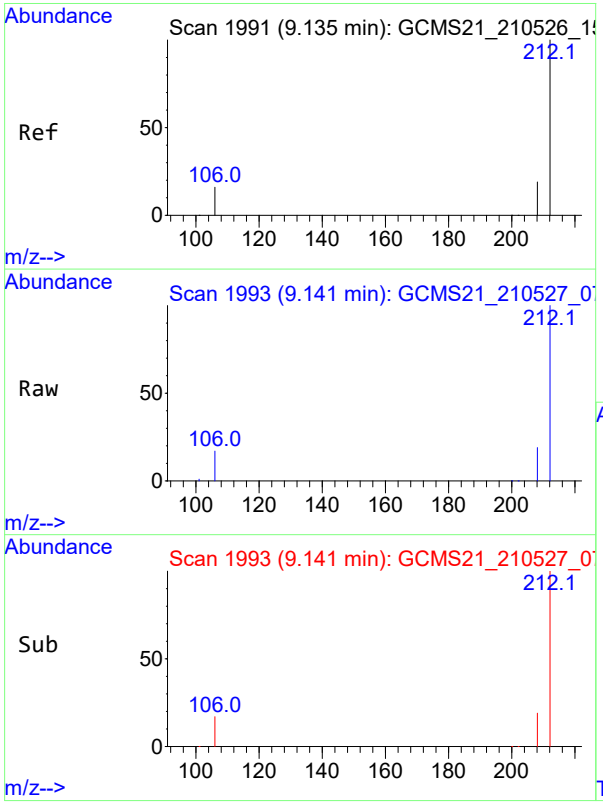


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.893 min Scan# 2694
Delta R.T. 0.010 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:240 Resp: 670739

Ion	Ratio	Lower	Upper
240	100		
236	28.3	0.0	58.6

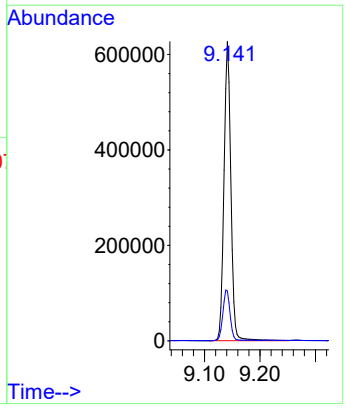


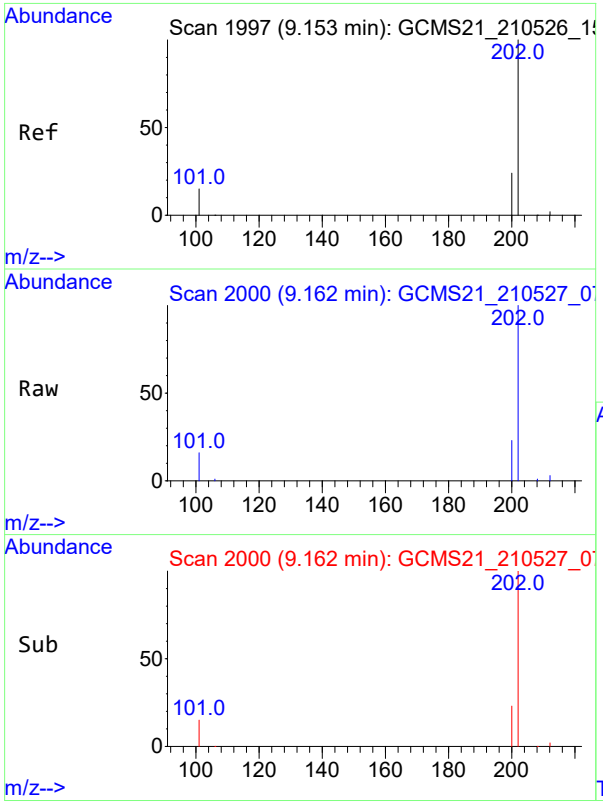


#17
Pyrene-D10
Concen: 351.76 ng/mL
RT: 9.141 min Scan# 1993
Delta R.T. 0.006 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:212 Resp: 538311

Ion	Ratio	Lower	Upper
212	100		
106	17.6	0.0	46.2

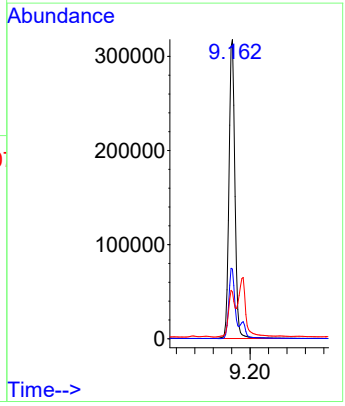


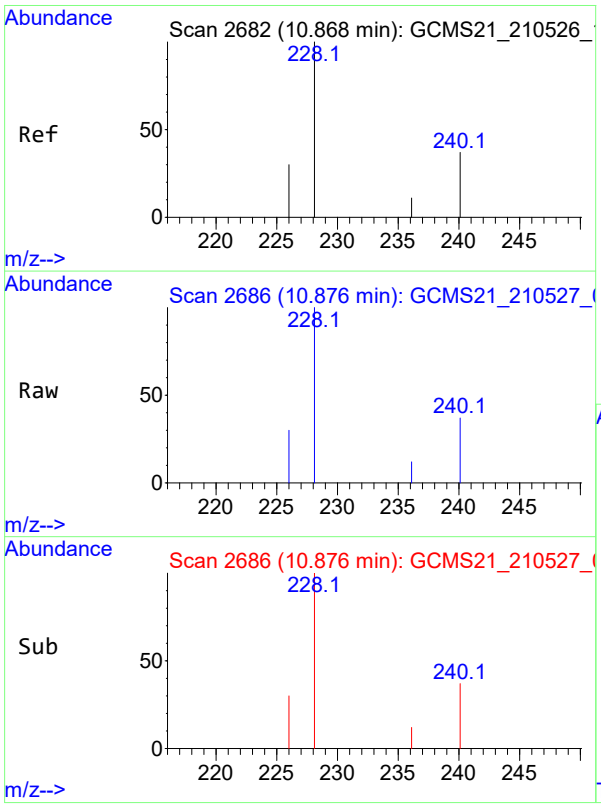


#18
Pyrene
Concen: 157.76 ng/mL
RT: 9.162 min Scan# 2000
Delta R.T. 0.009 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:202 Resp: 282022

Ion	Ratio	Lower	Upper
202	100		
200	24.6	0.0	53.9
101	17.8	0.0	44.5

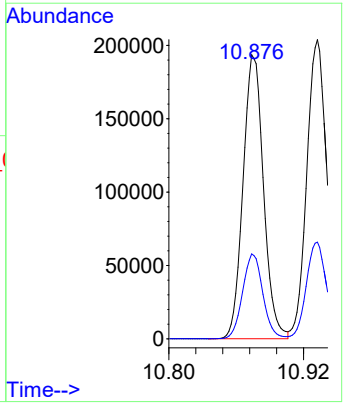


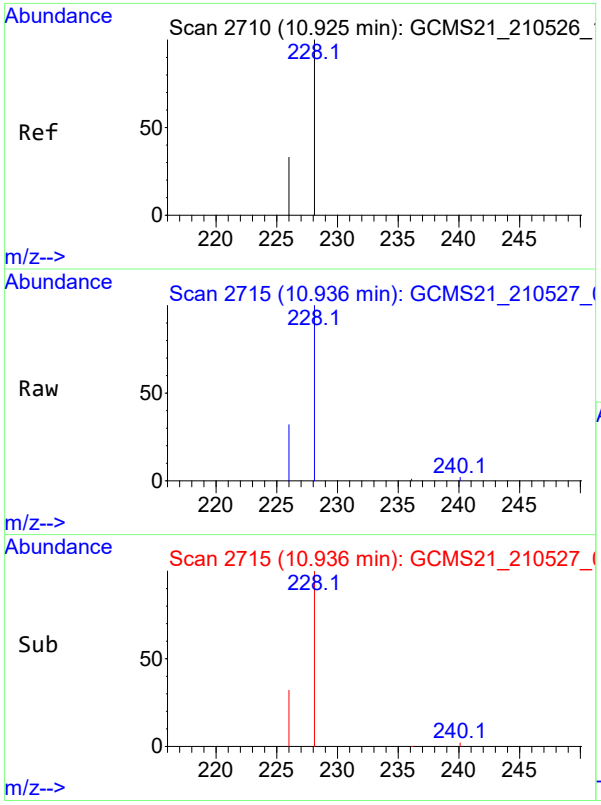


#19
Benzo(a)anthracene
Concen: 183.91 ng/mL
RT: 10.876 min Scan# 2686
Delta R.T. 0.008 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:228 Resp: 248111

Ion	Ratio	Lower	Upper
228	100		
226	29.5	0.0	59.8

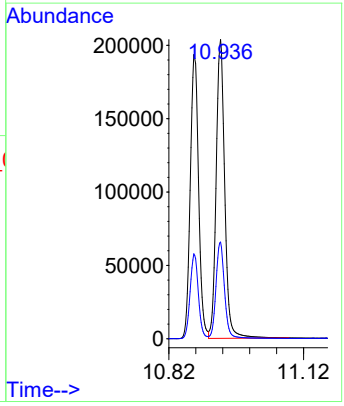


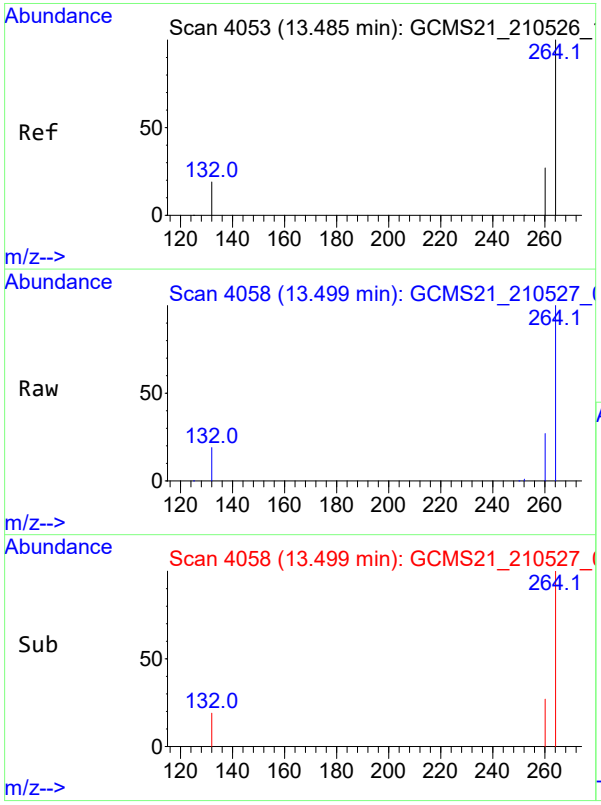


#20
Chrysene
Concen: 161.09 ng/mL
RT: 10.936 min Scan# 2715
Delta R.T. 0.011 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:228 Resp: 268320

Ion	Ratio	Lower	Upper
228	100		
226	32.3	2.8	62.8

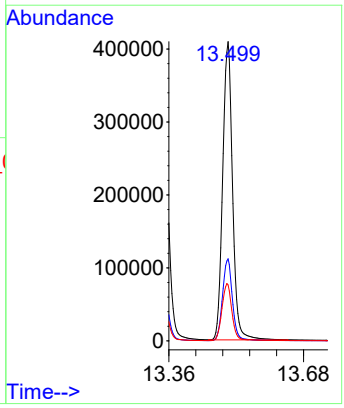


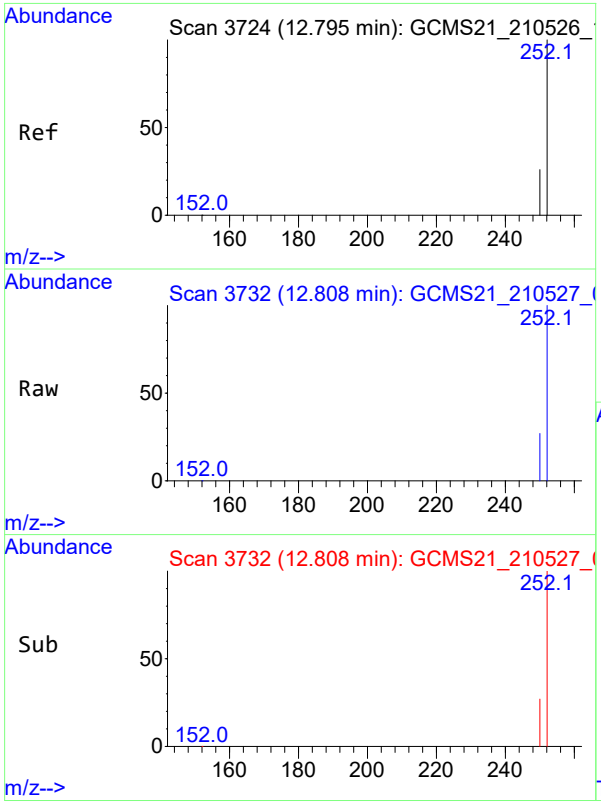


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.499 min Scan# 4058
Delta R.T. 0.014 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:264 Resp: 668701

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.3	0.0	49.5

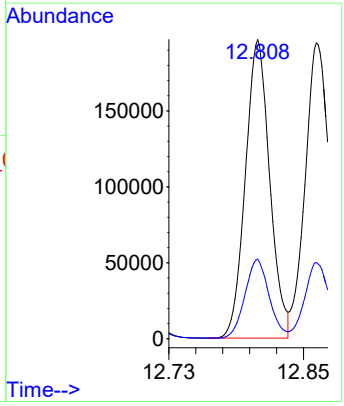


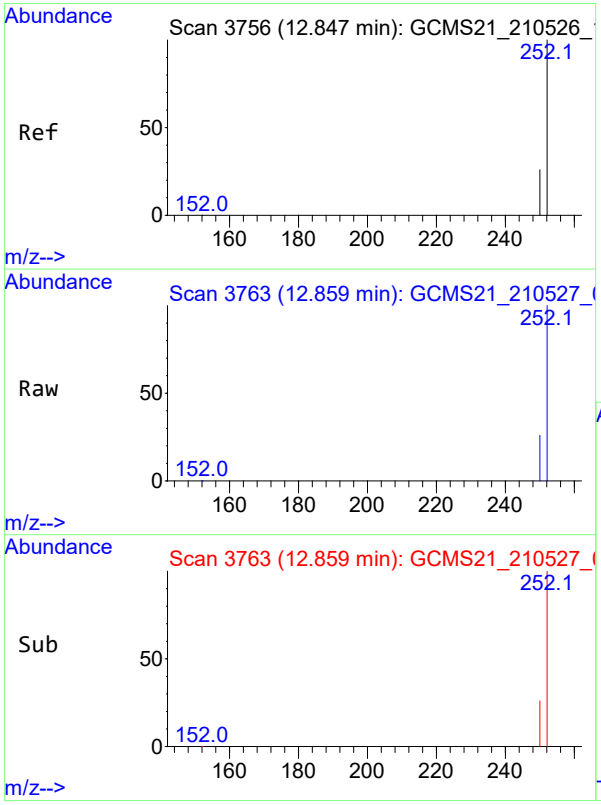


#22
Benzo(b)fluoranthene
Concen: 205.87 ng/mL
RT: 12.808 min Scan# 3732
Delta R.T. 0.013 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 285766

Ion	Ratio	Lower	Upper
252	100		
250	26.5	0.0	56.2

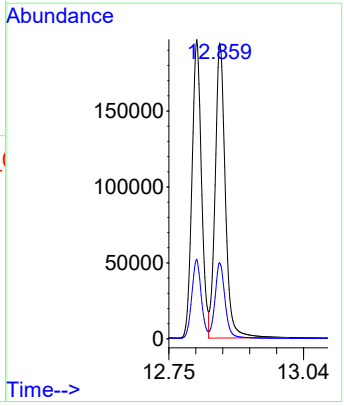


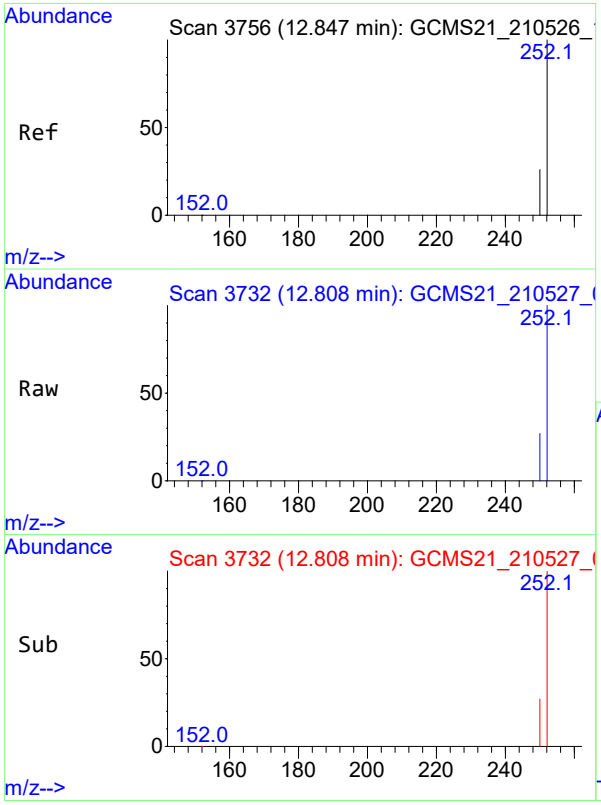


#23
Benzo(k)fluoranthene
Concen: 196.95 ng/mL
RT: 12.859 min Scan# 3763
Delta R.T. 0.011 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 302971

Ion	Ratio	Lower	Upper
252	100		
250	25.3	0.0	55.6

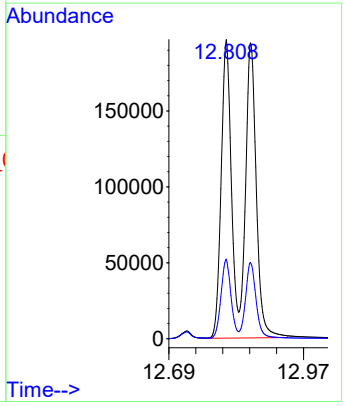


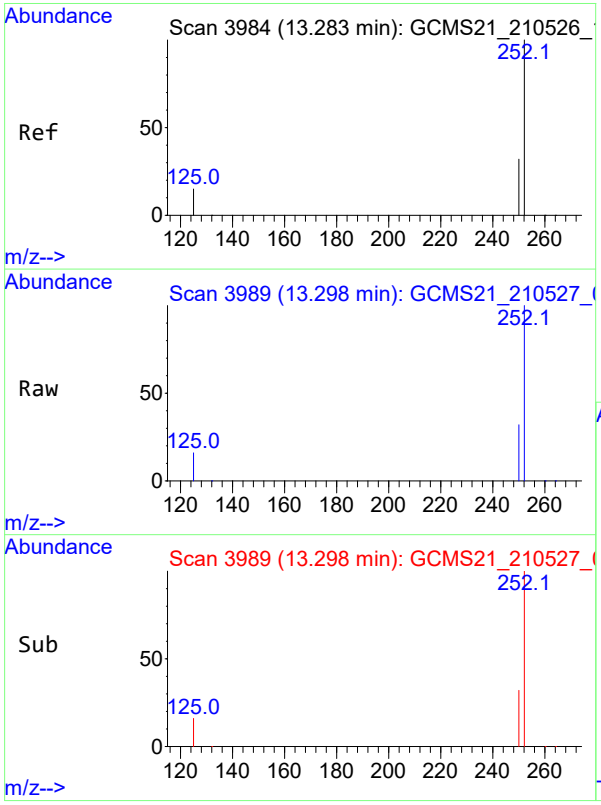


#24
benzo(b+k)fluoranthene (sum)
Concen: 388.76 ng/mL m
RT: 12.808 min Scan# 3732
Delta R.T. -0.039 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 586345

Ion	Ratio	Lower	Upper
252	100		
250	25.9	0.0	55.6

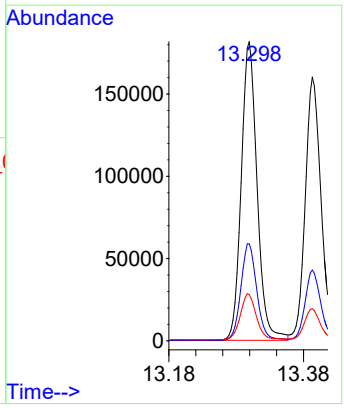


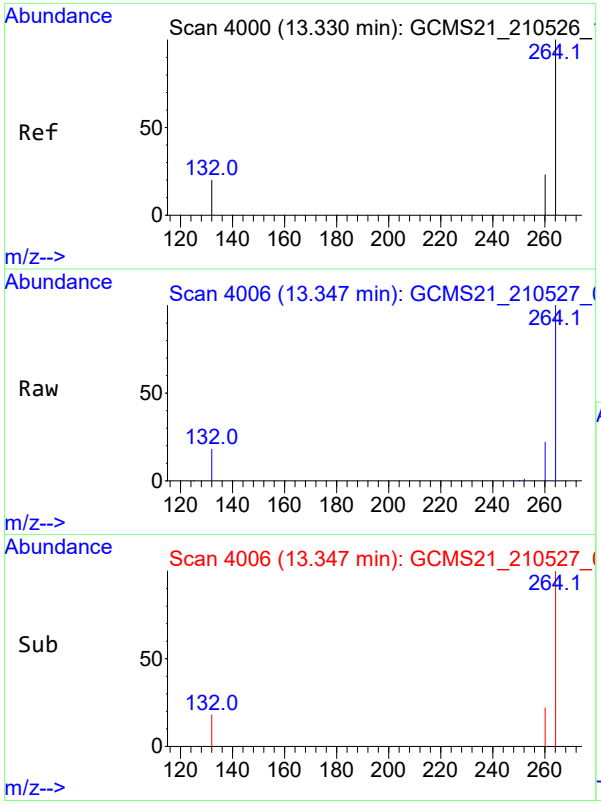


#25
Benzo(e)pyrene
Concen: 204.58 ng/mL
RT: 13.298 min Scan# 3989
Delta R.T. 0.015 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 286416

Ion	Ratio	Lower	Upper
252	100		
250	32.8	2.2	62.2
125	15.7	0.0	45.4

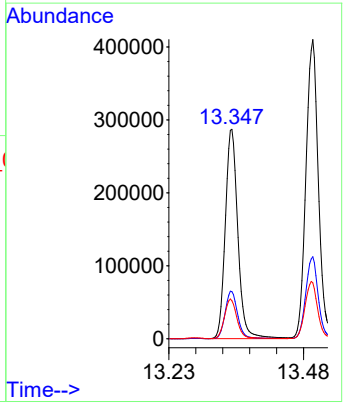


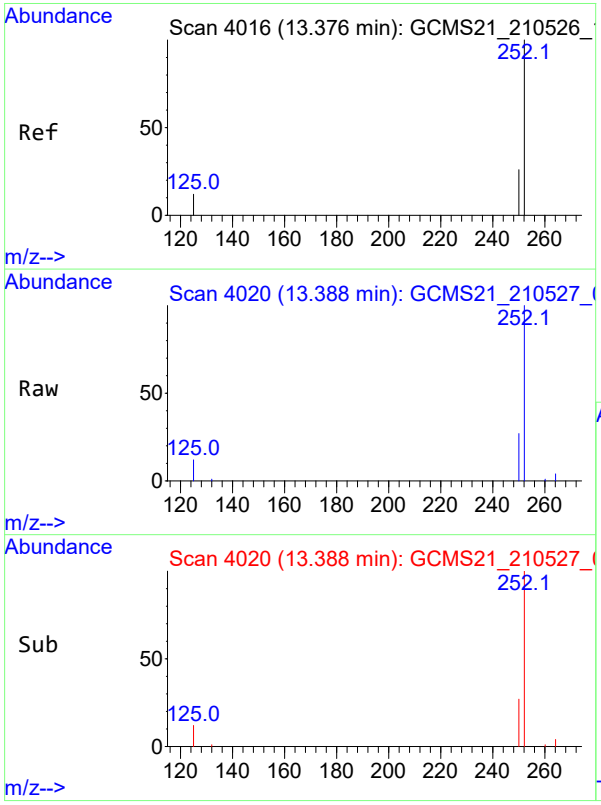


#26
Benzo(a)pyrene-D12
Concen: 432.11 ng/mL
RT: 13.347 min Scan# 4006
Delta R.T. 0.017 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:264 Resp: 469458

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.9	0.0	49.7

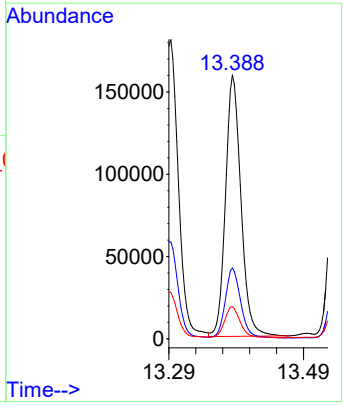


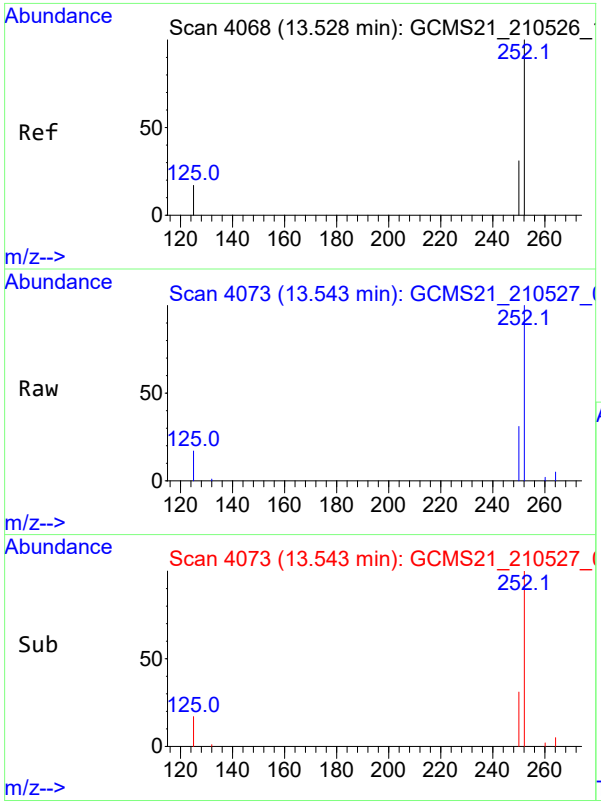


#27
Benzo(a)pyrene
Concen: 197.76 ng/mL
RT: 13.388 min Scan# 4020
Delta R.T. 0.012 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 250525

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.4
125	12.0	0.0	41.7

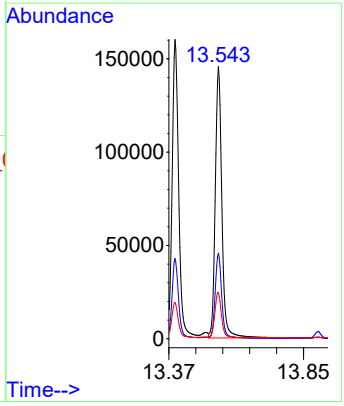


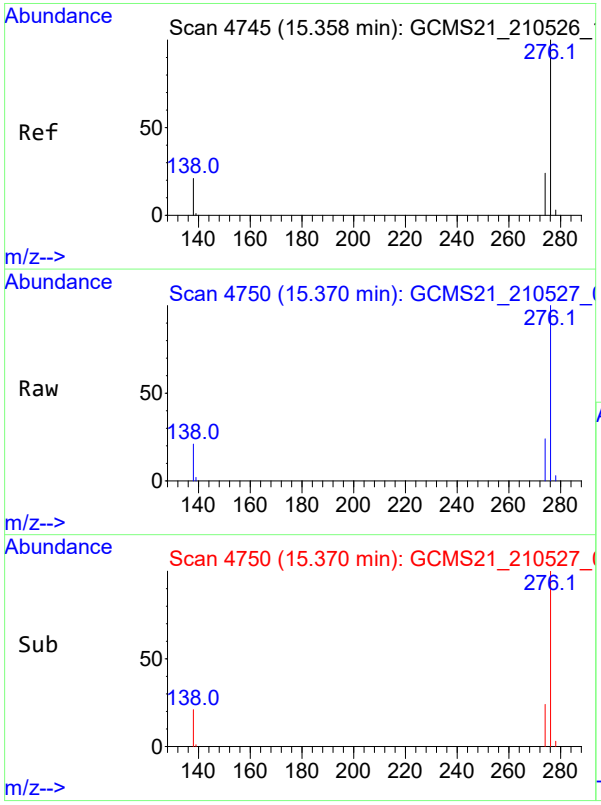


#28
Perylene
Concen: 167.24 ng/mL
RT: 13.543 min Scan# 4073
Delta R.T. 0.015 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 237933

Ion	Ratio	Lower	Upper
252	100		
250	31.3	1.5	61.5
125	16.7	0.0	46.6

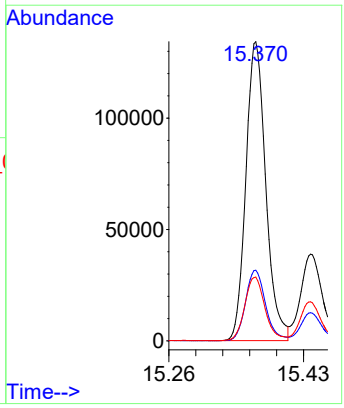


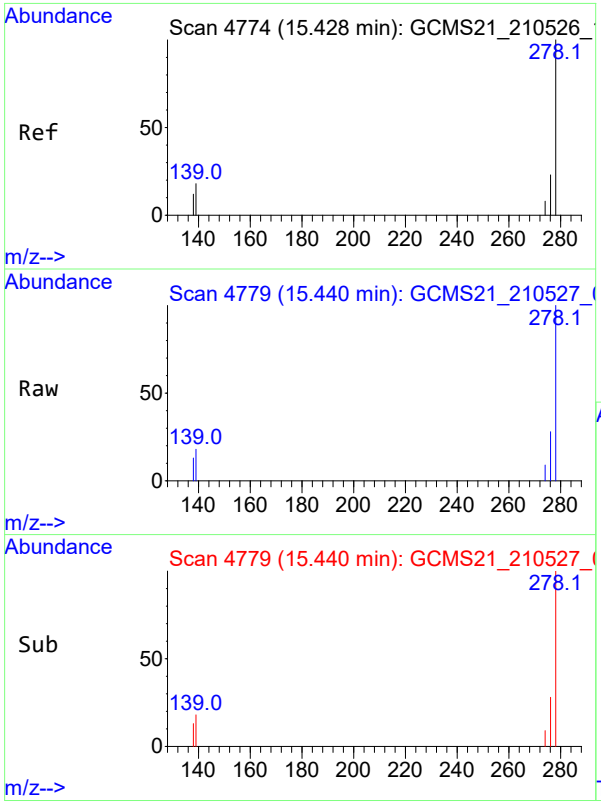


#29
Indeno(1,2,3-cd)pyrene
Concen: 218.38 ng/mL
RT: 15.370 min Scan# 4750
Delta R.T. 0.012 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:276 Resp: 236723

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.8
138	21.3	0.0	50.7

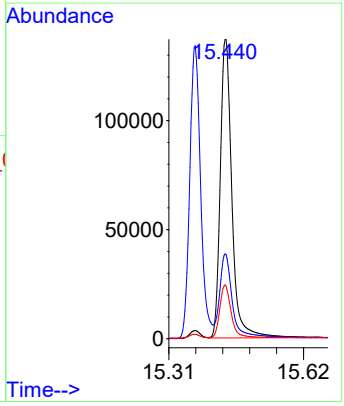


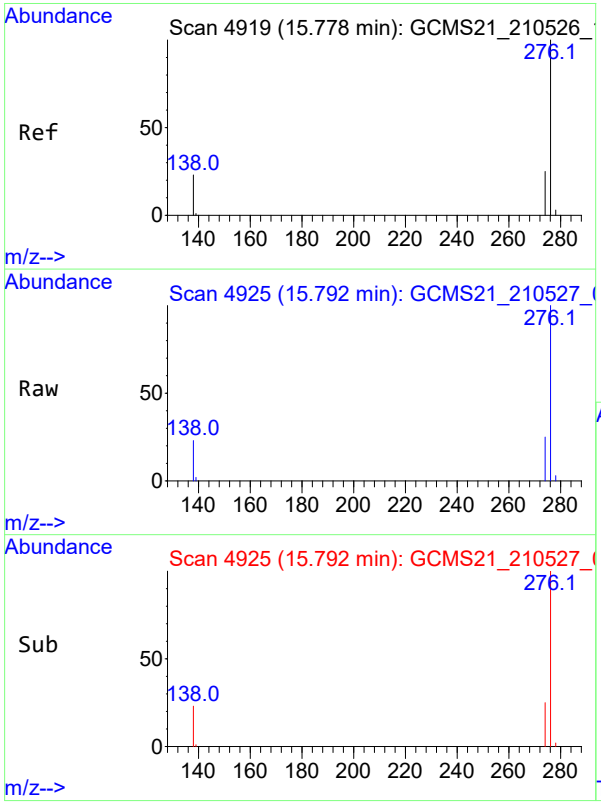


#30
Dibenz(a,h)anthracene
Concen: 238.09 ng/mL
RT: 15.440 min Scan# 4779
Delta R.T. 0.012 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:278 Resp: 257227

Ion	Ratio	Lower	Upper
278	100		
276	30.9	0.0	52.8
139	17.3	0.0	47.6

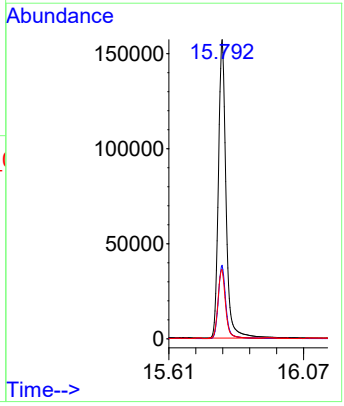




#31
Benzo(g,h,i)perylene
Concen: 199.09 ng/mL
RT: 15.792 min Scan# 4925
Delta R.T. 0.014 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:276 Resp: 280406

Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	54.8
138	23.0	0.0	52.9



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_07.D
Acq On : 27 May 2021 14:35
Operator : MN GCMS21
Sample : B21E006-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 11:29:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

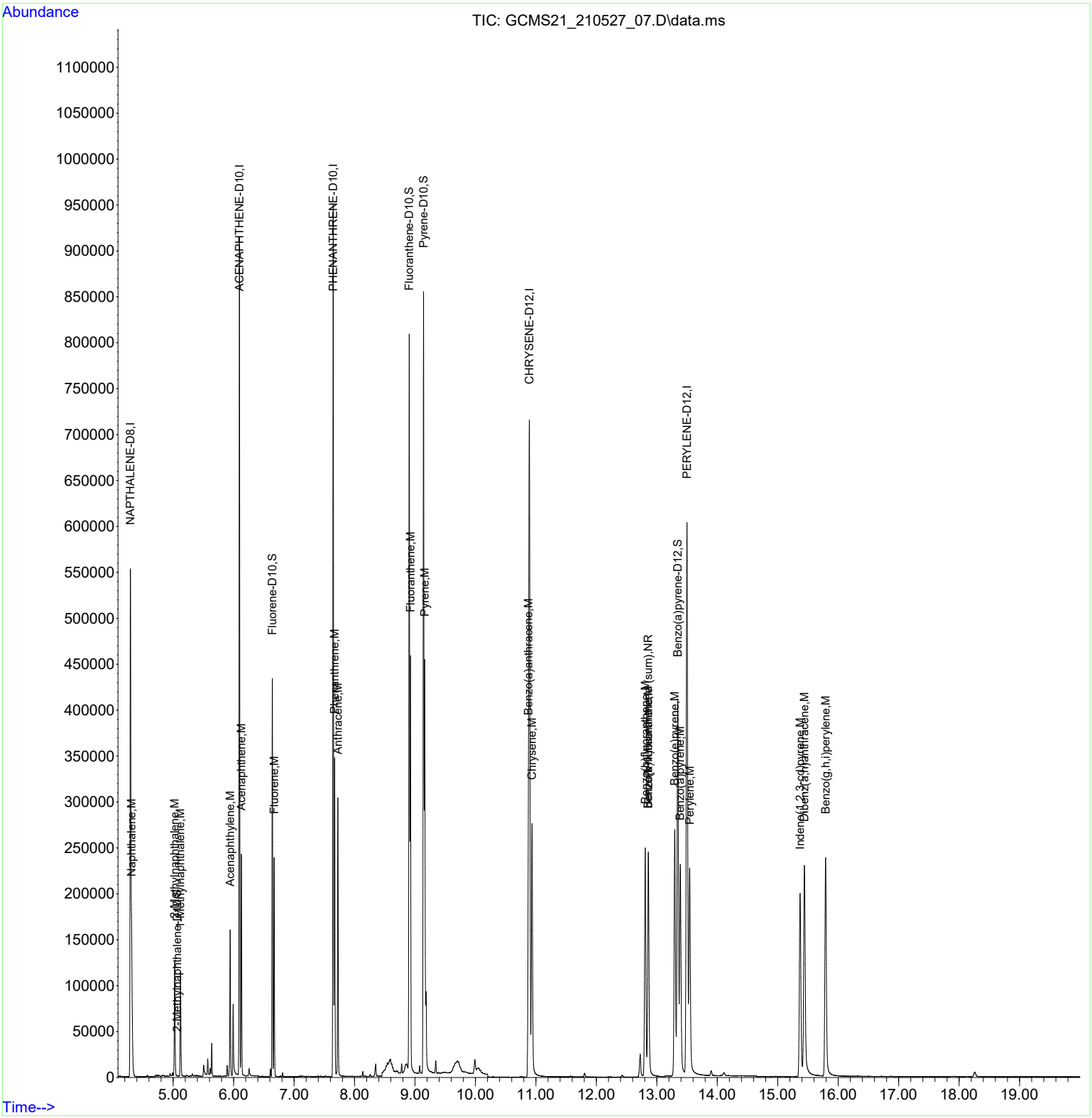
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.292	136	587410	500.00	ng/mL	-0.01
6) ACENAPHTHENE-D10	6.096	164	336286	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.647	188	658736	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.893	240	670739	500.00	ng/mL	0.01
21) PERYLENE-D12	13.499	264	668701	500.00	ng/mL	0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.068	152	288	0.39	ng/mL	0.07
9) Fluorene-D10	6.641	176	167266	207.75	ng/mL	0.00
14) Fluoranthene-D10	8.905	212	508915	356.79	ng/mL	0.00
17) Pyrene-D10	9.141	212	538311	351.76	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.347	264	469458	432.11	ng/mL	0.02
Target Compounds						Qvalue
2) Naphthalene	4.312	128	66763	59.24	ng/mL	99
4) 2-Methylnaphthalene	5.025	142	49479	59.61	ng/mL	100
5) 1-Methylnaphthalene	5.121	142	44058	63.72	ng/mL	99
7) Acenaphthylene	5.942	152	84242	75.48	ng/mL	94
8) Acenaphthene	6.126	153	66737	78.11	ng/mL	97
10) Fluorene	6.670	166	91672	96.94	ng/mL	100
12) Phenanthrene	7.670	178	198170	124.65	ng/mL	100
13) Anthracene	7.724	178	178122	134.74	ng/mL	99
15) Fluoranthene	8.925	202	268072	159.77	ng/mL	97
18) Pyrene	9.162	202	282022	157.76	ng/mL	96
19) Benzo(a)anthracene	10.876	228	248111	183.91	ng/mL	99
20) Chrysene	10.936	228	268320	161.09	ng/mL	99
22) Benzo(b)fluoranthene	12.808	252	285766	205.87	ng/mL	99
23) Benzo(k)fluoranthene	12.859	252	302971	196.95	ng/mL	99
24) benzo(b+k)fluoranthene...	12.859	252	304700	202.02	ng/mL	99
25) Benzo(e)pyrene	13.298	252	286416	204.58	ng/mL	99
27) Benzo(a)pyrene	13.388	252	250525	197.76	ng/mL	99
28) Perylene	13.543	252	237933	167.24	ng/mL	100
29) Indeno(1,2,3-cd)pyrene	15.370	276	236723	218.38	ng/mL	99
30) Dibenz(a,h)anthracene	15.440	278	257227	238.09	ng/mL	90
31) Benzo(g,h,i)perylene	15.792	276	280406	199.09	ng/mL	99

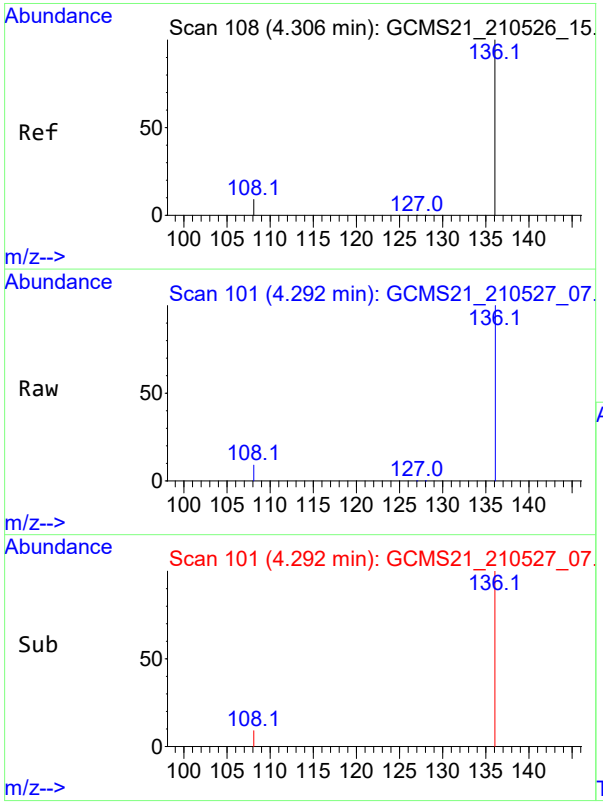
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_07.D
Acq On : 27 May 2021 14:35
Operator : MN GCMS21
Sample : B21E006-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 11:29:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

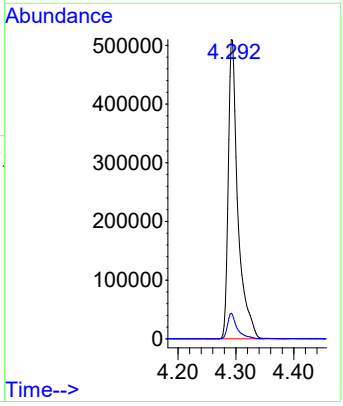


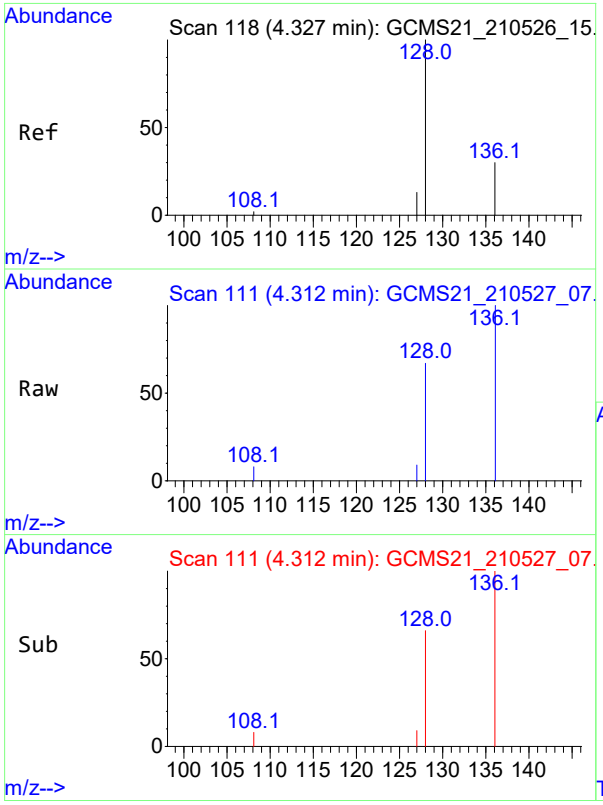


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.292 min Scan# 101
Delta R.T. -0.014 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:136 Resp: 587410

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.3

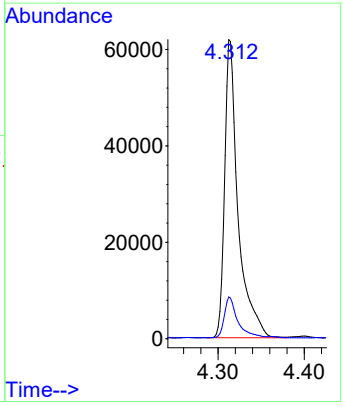


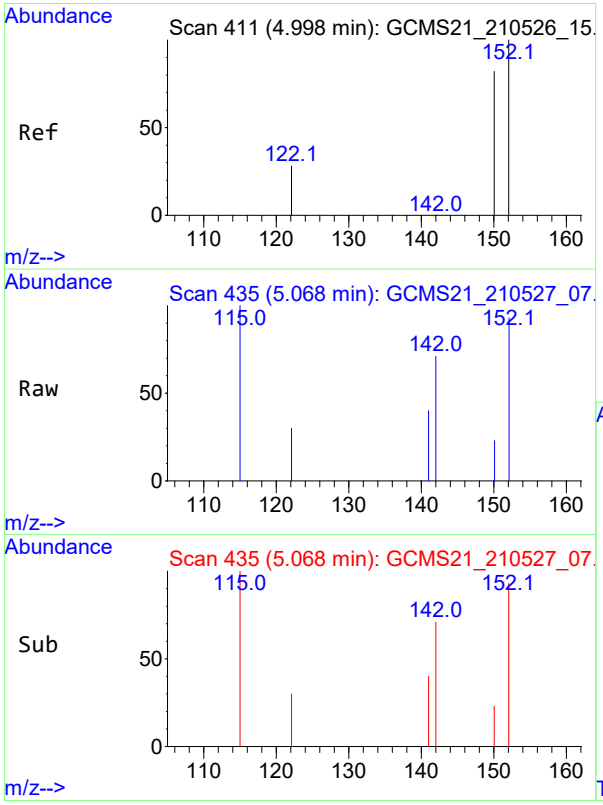


#2
Naphthalene
Concen: 59.24 ng/mL
RT: 4.312 min Scan# 111
Delta R.T. -0.014 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:128 Resp: 66763

Ion	Ratio	Lower	Upper
128	100		
127	13.6	0.0	43.3

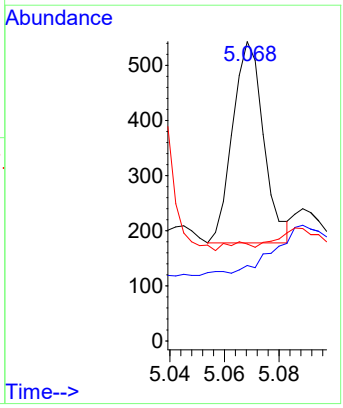


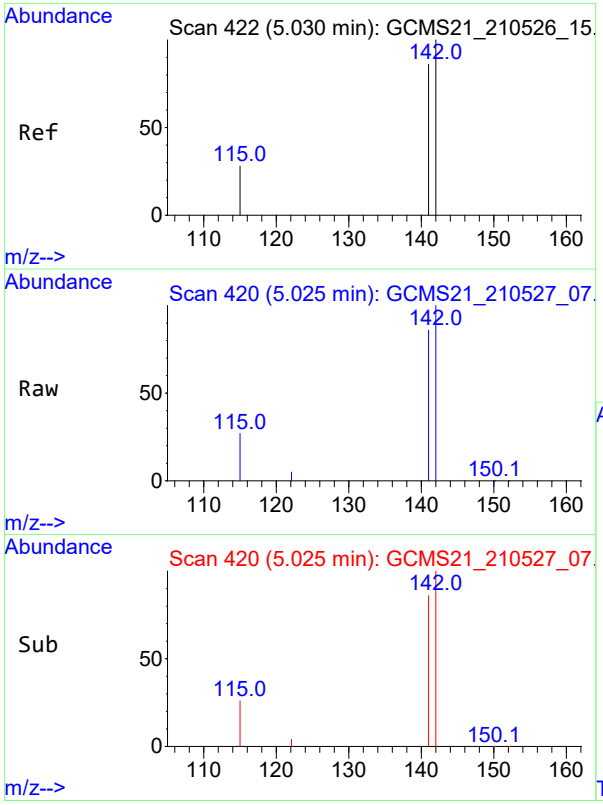


#3
2-Methylnaphthalene-D10
Concen: 0.39 ng/mL
RT: 5.068 min Scan# 435
Delta R.T. 0.070 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:152 Resp: 288

Ion	Ratio	Lower	Upper
152	100		
150	41.7	52.3	112.3#
122	0.0	0.0	57.5

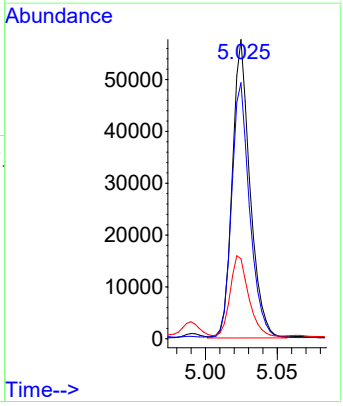


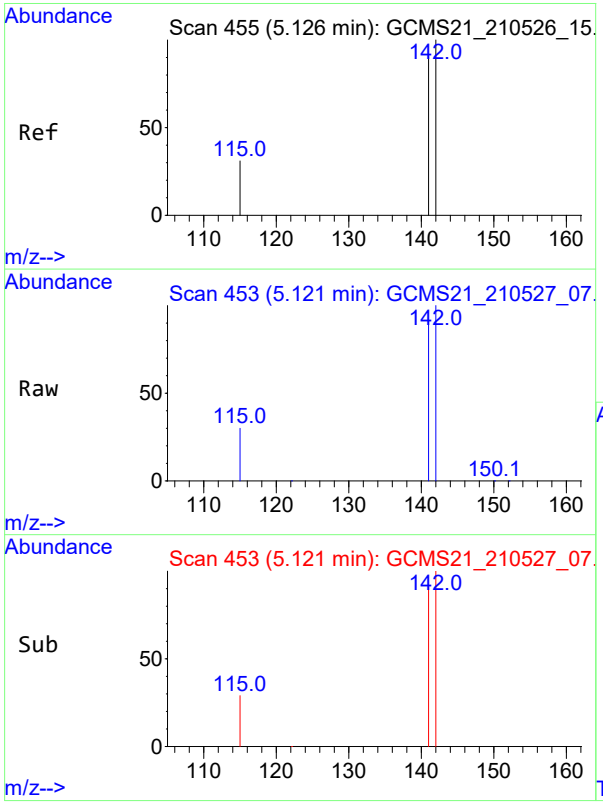


#4
2-Methylnaphthalene
Concen: 59.61 ng/mL
RT: 5.025 min Scan# 420
Delta R.T. -0.006 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:142 Resp: 49479

Ion	Ratio	Lower	Upper
142	100		
141	86.3	56.3	116.3
115	27.7	0.0	57.4

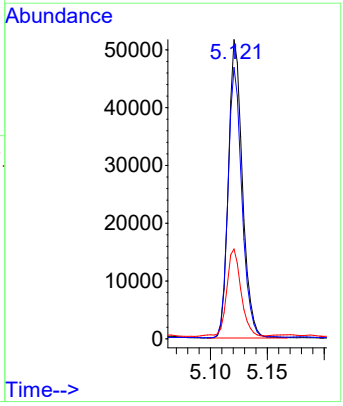


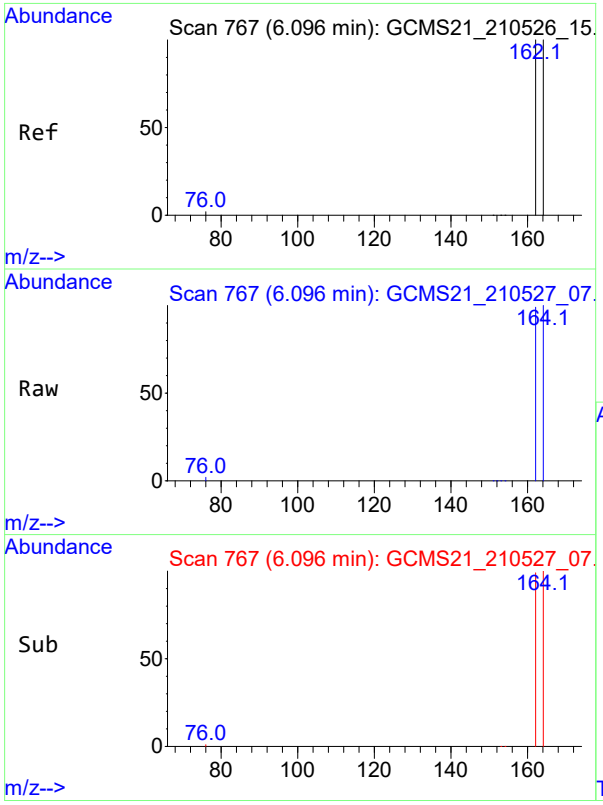


#5
1-Methylnaphthalene
Concen: 63.72 ng/mL
RT: 5.121 min Scan# 453
Delta R.T. -0.006 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:142 Resp: 44058

Ion	Ratio	Lower	Upper
142	100		
141	90.2	61.5	121.5
115	29.9	0.2	60.2

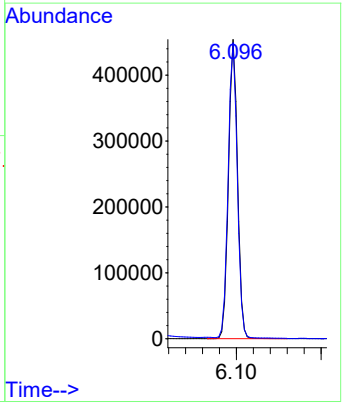


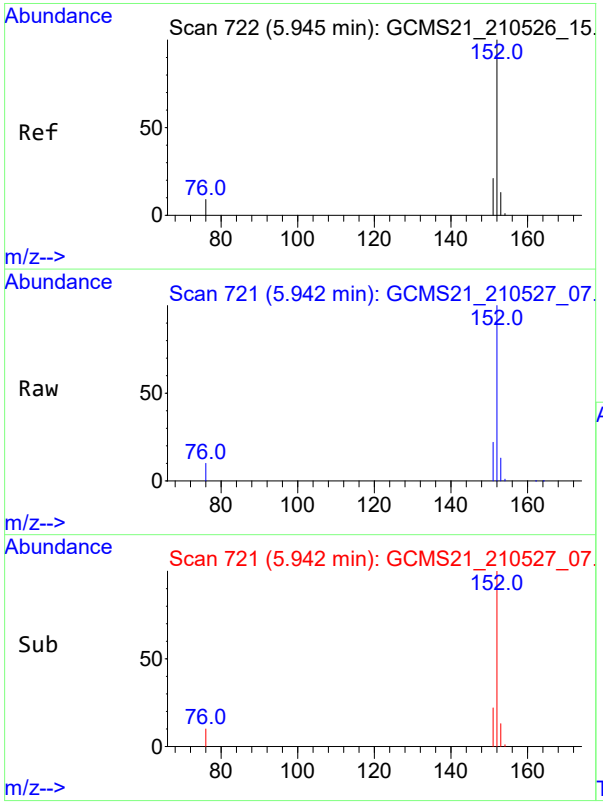


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:164 Resp: 336286

Ion	Ratio	Lower	Upper
164	100		
162	100.7	77.7	117.7

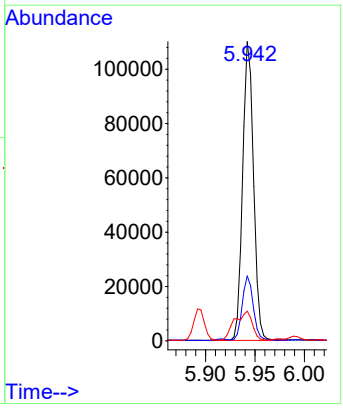


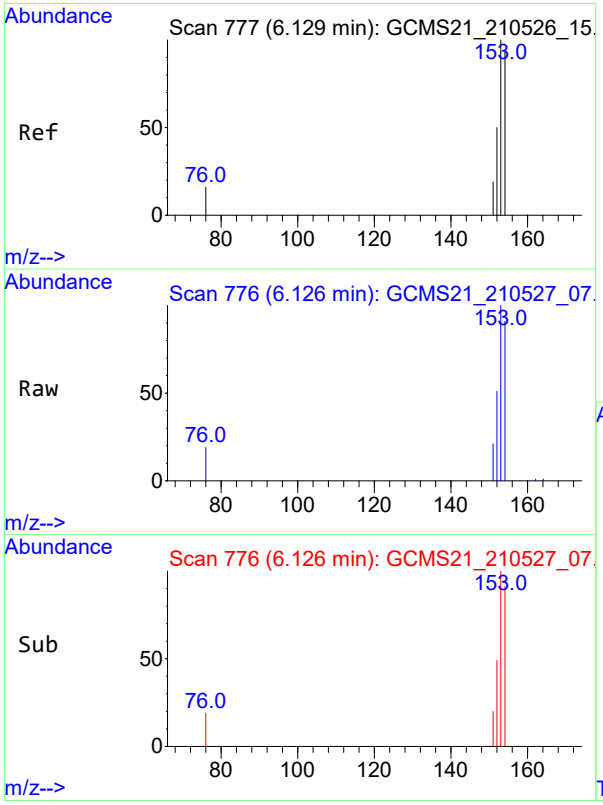


#7
Acenaphthylene
Concen: 75.48 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:152 Resp: 84242

Ion	Ratio	Lower	Upper
152	100		
151	21.6	0.0	52.0
76	15.6	0.0	39.5

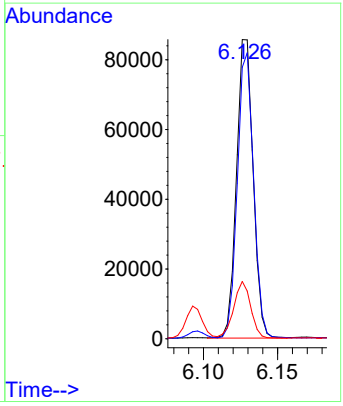


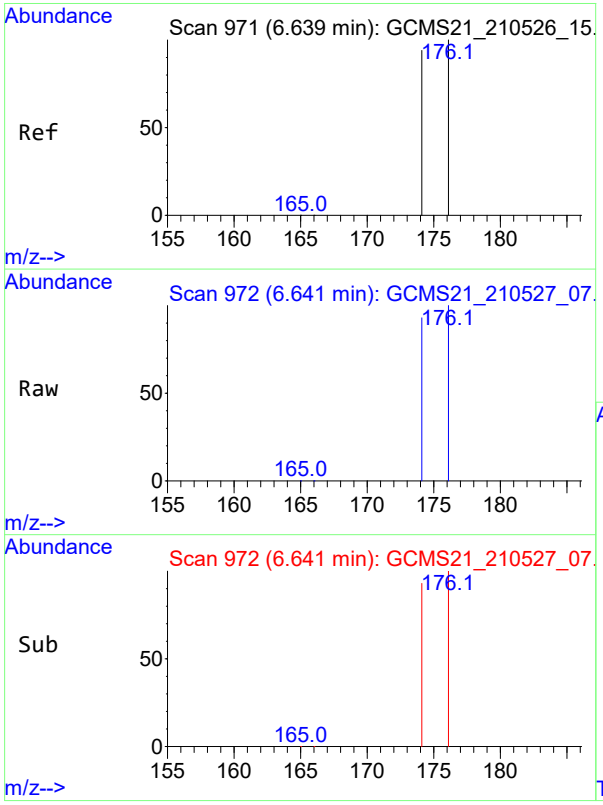


#8
Acenaphthene
Concen: 78.11 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:153 Resp: 66737

Ion	Ratio	Lower	Upper
153	100		
154	93.2	60.4	120.4
76	19.3	0.0	47.4

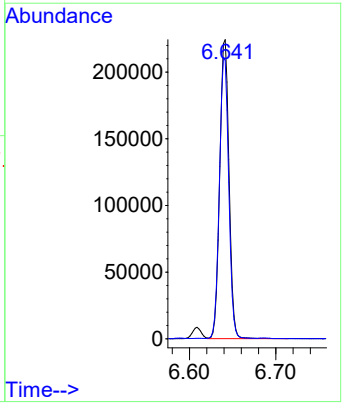


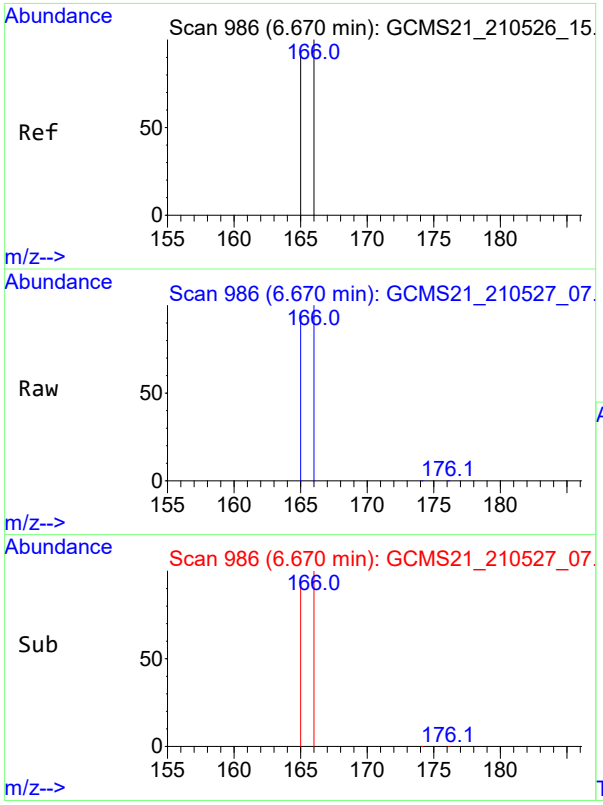


#9
Fluorene-D10
Concen: 207.75 ng/mL
RT: 6.641 min Scan# 972
Delta R.T. 0.002 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:176 Resp: 167266

Ion	Ratio	Lower	Upper
176	100		
174	94.4	63.9	123.9

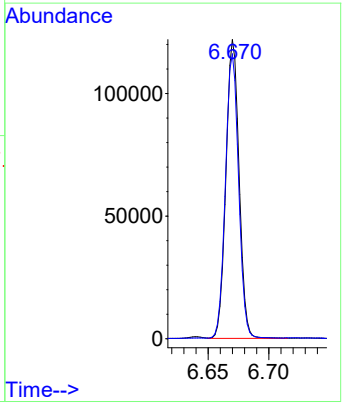


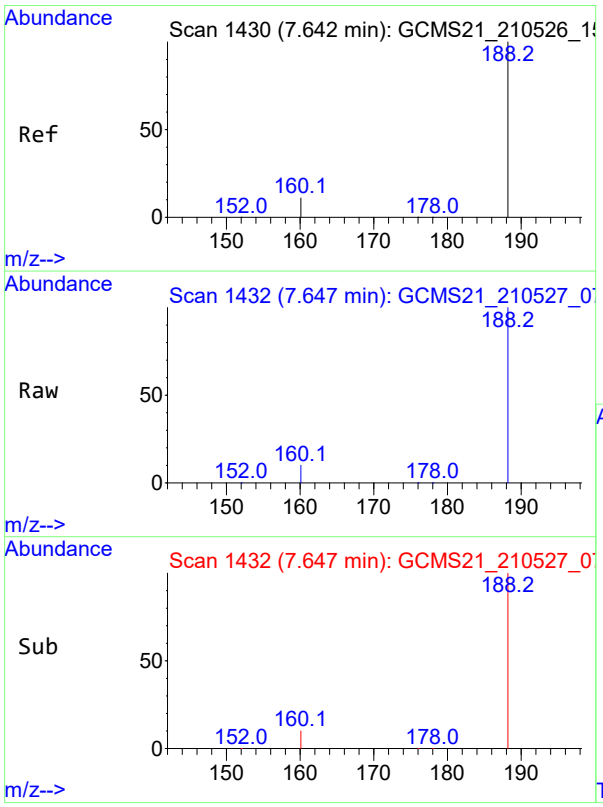


#10
Fluorene
Concen: 96.94 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:166 Resp: 91672

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.1	125.1

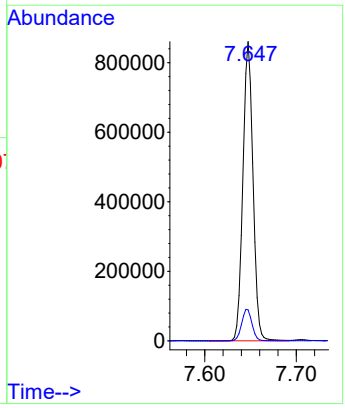


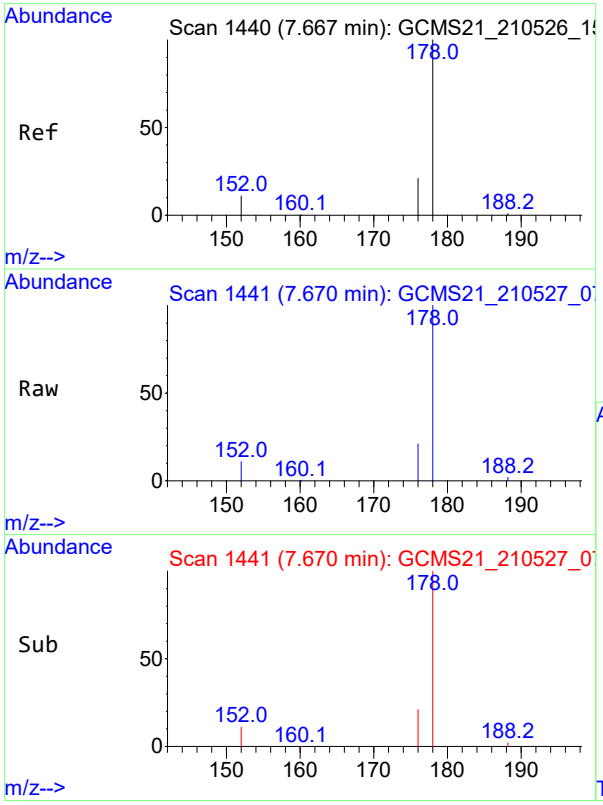


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.647 min Scan# 1432
Delta R.T. 0.005 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:188 Resp: 658736

Ion	Ratio	Lower	Upper
188	100		
160	10.7	0.0	39.8

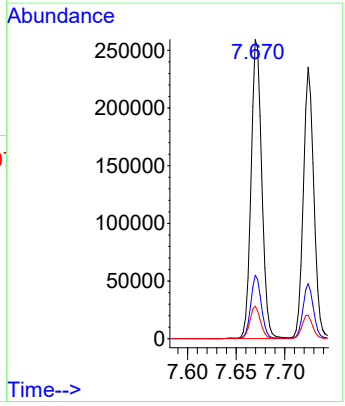


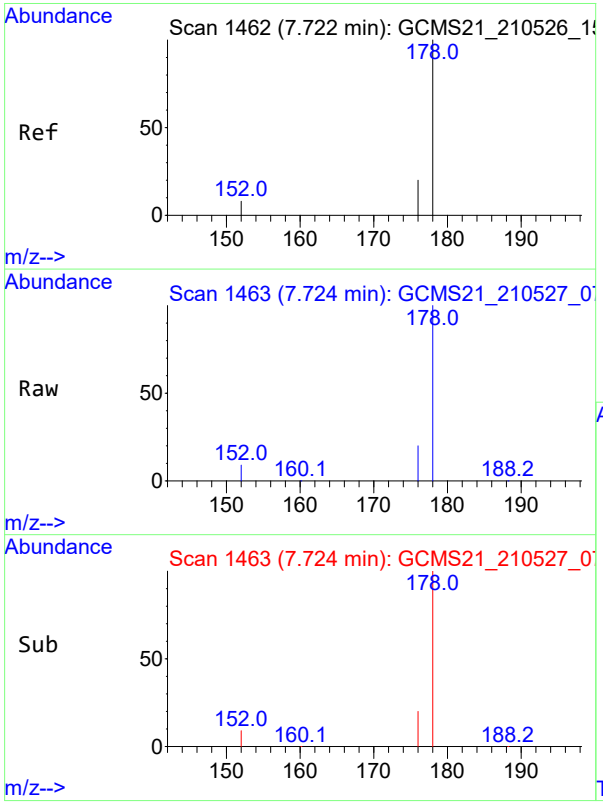


#12
Phenanthrene
Concen: 124.65 ng/mL
RT: 7.670 min Scan# 1441
Delta R.T. 0.003 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:178 Resp: 198170

Ion	Ratio	Lower	Upper
178	100		
176	20.7	0.0	50.9
152	10.7	0.0	40.5

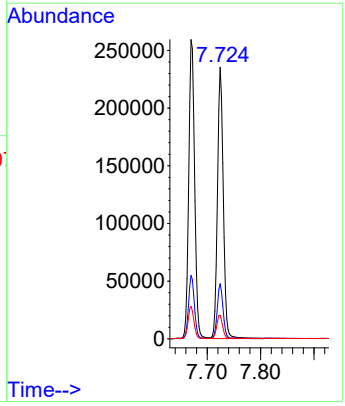


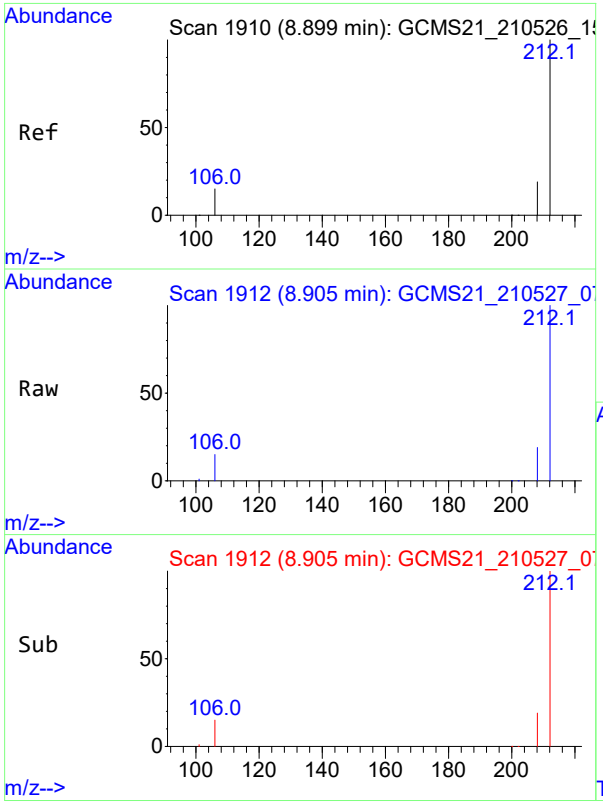


#13
Anthracene
Concen: 134.74 ng/mL
RT: 7.724 min Scan# 1463
Delta R.T. 0.002 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:178 Resp: 178122

Ion	Ratio	Lower	Upper
178	100		
176	20.0	0.0	50.2
152	8.8	0.0	38.2

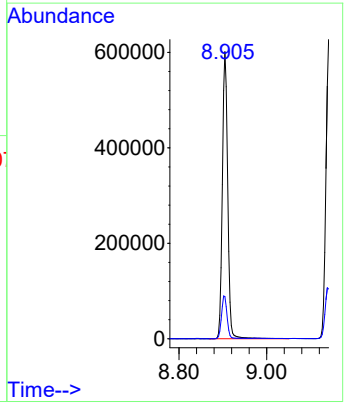


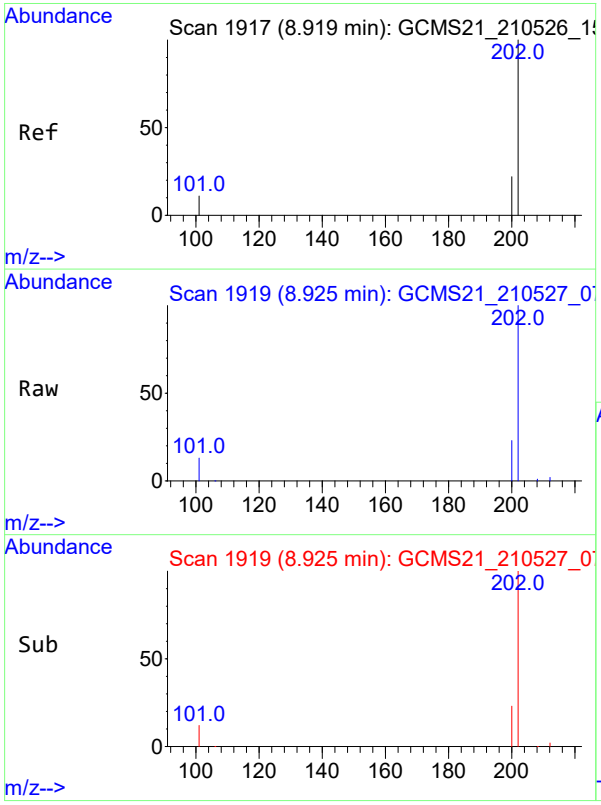


#14
Fluoranthene-D10
Concen: 356.79 ng/mL
RT: 8.905 min Scan# 1912
Delta R.T. 0.006 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:212 Resp: 508915

Ion	Ratio	Lower	Upper
212	100		
106	15.4	0.0	44.9

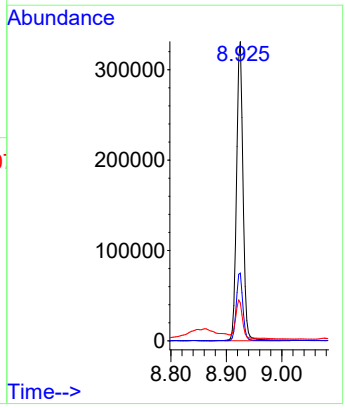


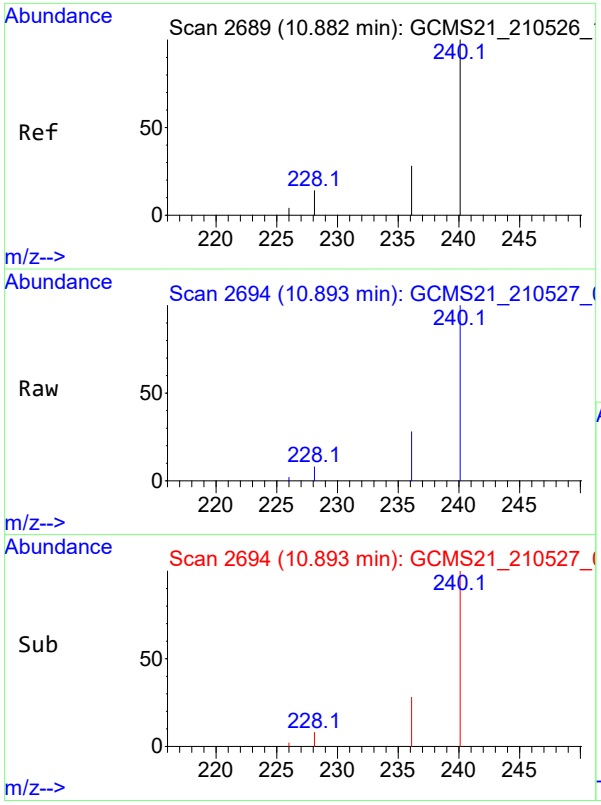


#15
Fluoranthene
Concen: 159.77 ng/mL
RT: 8.925 min Scan# 1919
Delta R.T. 0.006 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:202 Resp: 268072

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	52.4
101	13.4	0.0	41.1

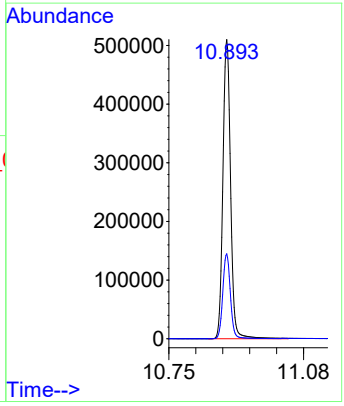


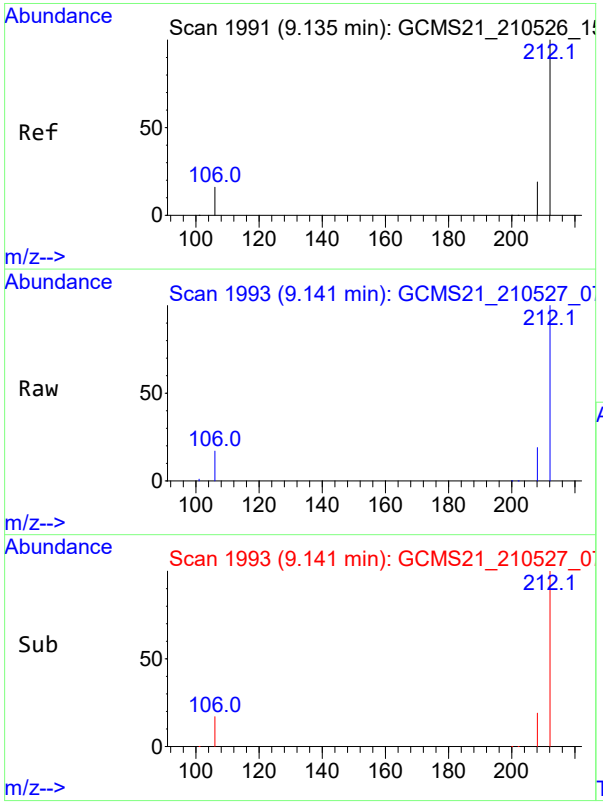


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.893 min Scan# 2694
Delta R.T. 0.010 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:240 Resp: 670739

Ion	Ratio	Lower	Upper
240	100		
236	28.3	0.0	58.6

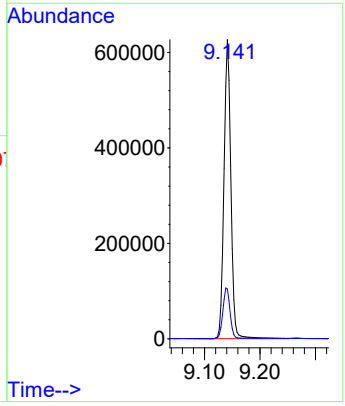


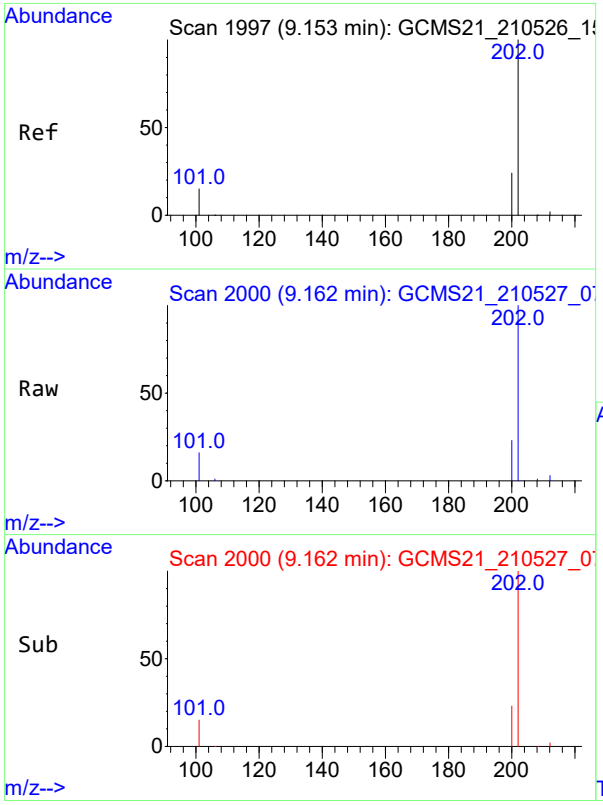


#17
Pyrene-D10
Concen: 351.76 ng/mL
RT: 9.141 min Scan# 1993
Delta R.T. 0.006 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:212 Resp: 538311

Ion	Ratio	Lower	Upper
212	100		
106	17.6	0.0	46.2

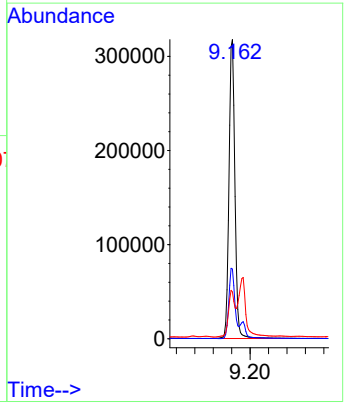


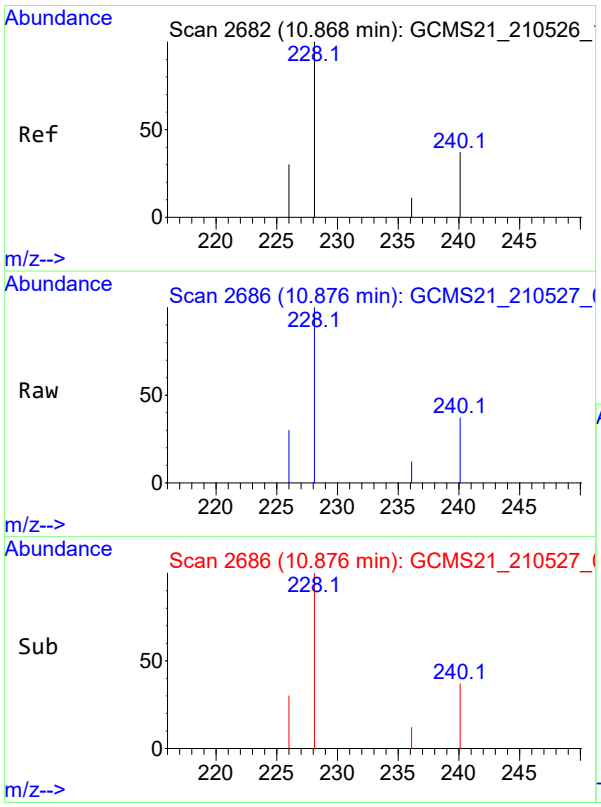


#18
Pyrene
Concen: 157.76 ng/mL
RT: 9.162 min Scan# 2000
Delta R.T. 0.009 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:202 Resp: 282022

Ion	Ratio	Lower	Upper
202	100		
200	24.6	0.0	53.9
101	17.8	0.0	44.5

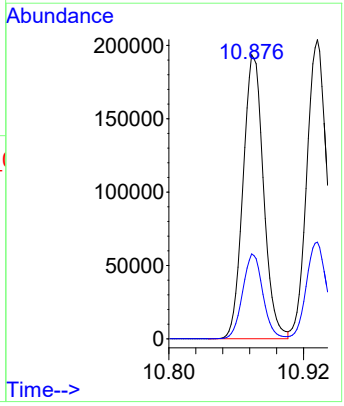


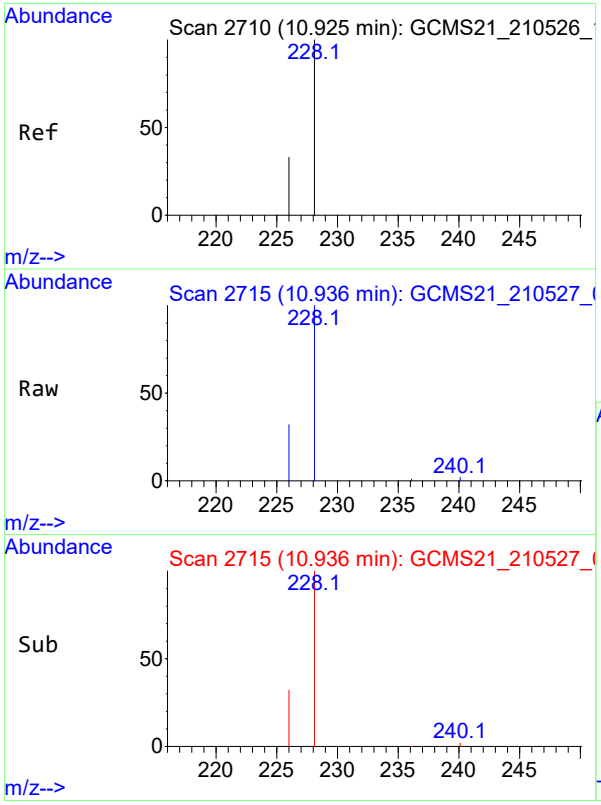


#19
Benzo(a)anthracene
Concen: 183.91 ng/mL
RT: 10.876 min Scan# 2686
Delta R.T. 0.008 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:228 Resp: 248111

Ion	Ratio	Lower	Upper
228	100		
226	29.5	0.0	59.8

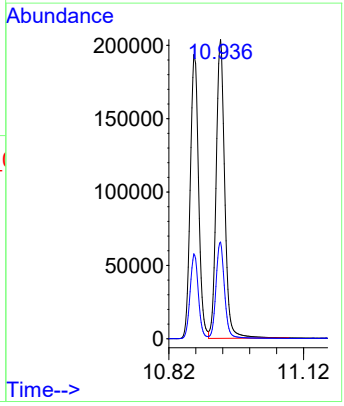


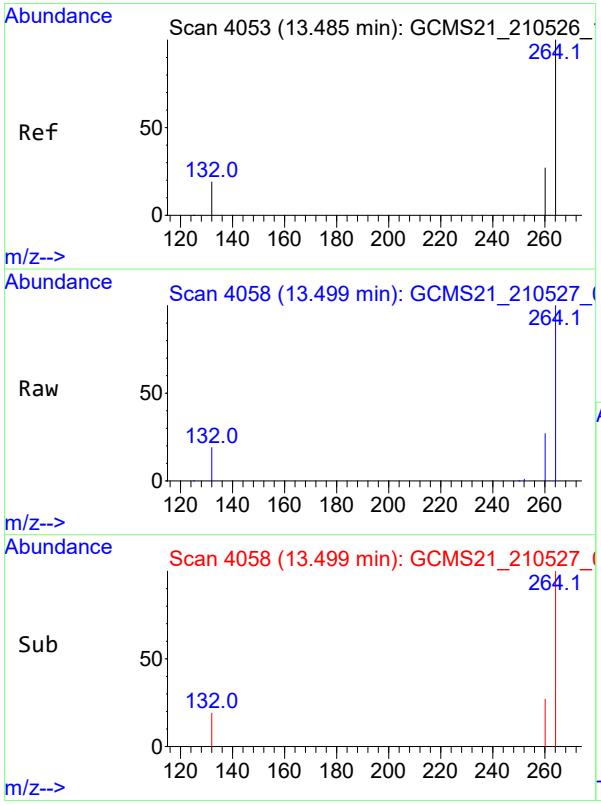


#20
Chrysene
Concen: 161.09 ng/mL
RT: 10.936 min Scan# 2715
Delta R.T. 0.011 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:228 Resp: 268320

Ion	Ratio	Lower	Upper
228	100		
226	32.3	2.8	62.8

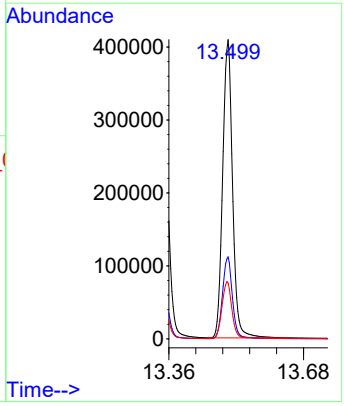


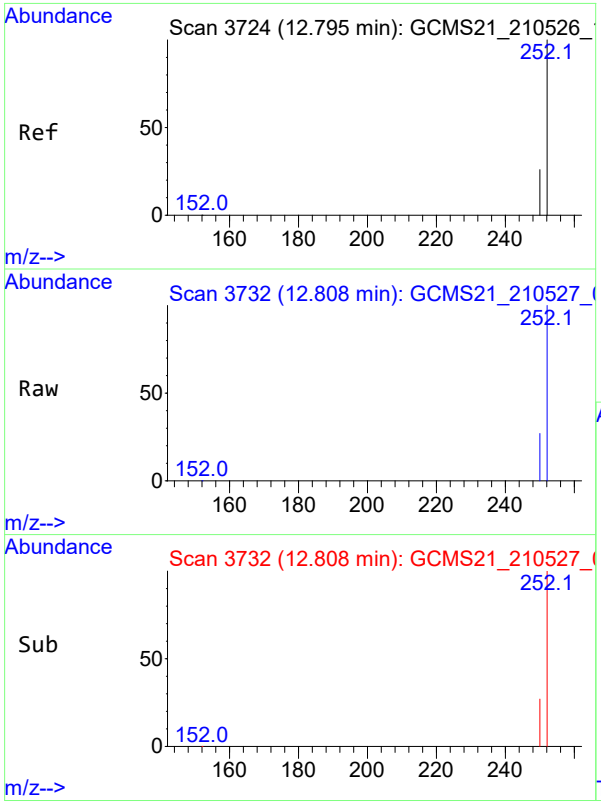


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.499 min Scan# 4058
Delta R.T. 0.014 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:264 Resp: 668701

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.3	0.0	49.5

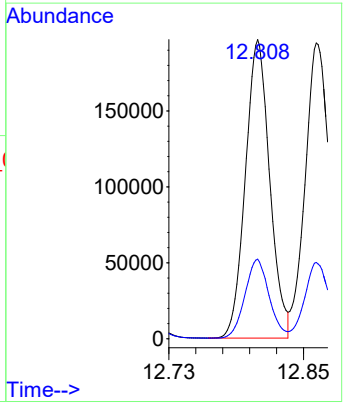


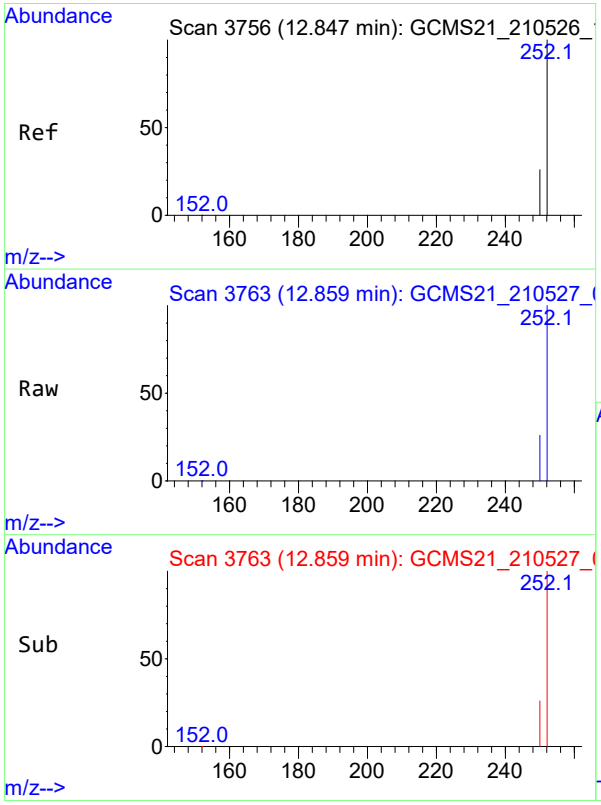


#22
Benzo(b)fluoranthene
Concen: 205.87 ng/mL
RT: 12.808 min Scan# 3732
Delta R.T. 0.013 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 285766

Ion	Ratio	Lower	Upper
252	100		
250	26.5	0.0	56.2

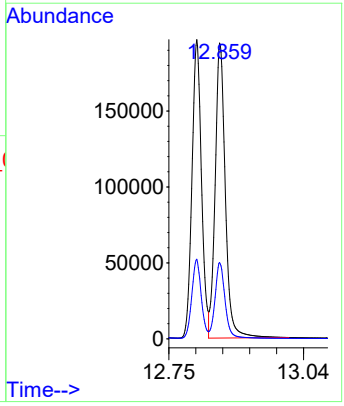


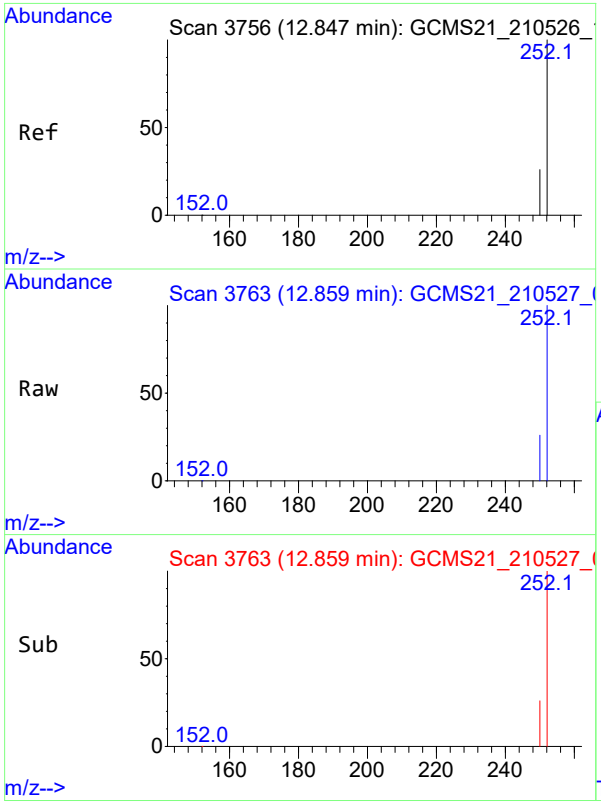


#23
Benzo(k)fluoranthene
Concen: 196.95 ng/mL
RT: 12.859 min Scan# 3763
Delta R.T. 0.011 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 302971

Ion	Ratio	Lower	Upper
252	100		
250	25.3	0.0	55.6

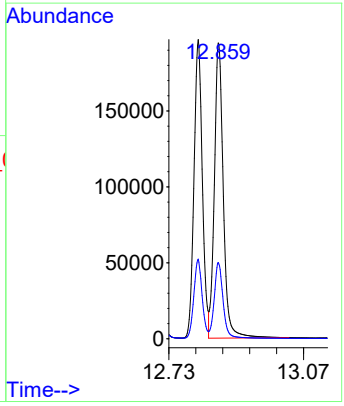


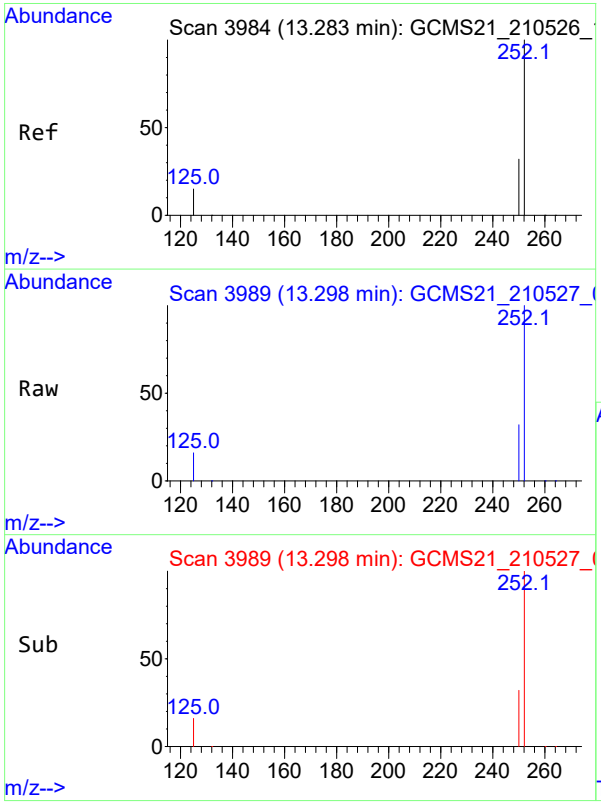


#24
benzo(b+k)fluoranthene (sum)
Concen: 202.02 ng/mL
RT: 12.859 min Scan# 3763
Delta R.T. 0.011 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 304700

Ion	Ratio	Lower	Upper
252	100		
250	25.1	0.0	55.6

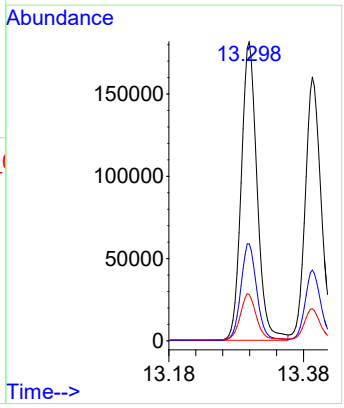


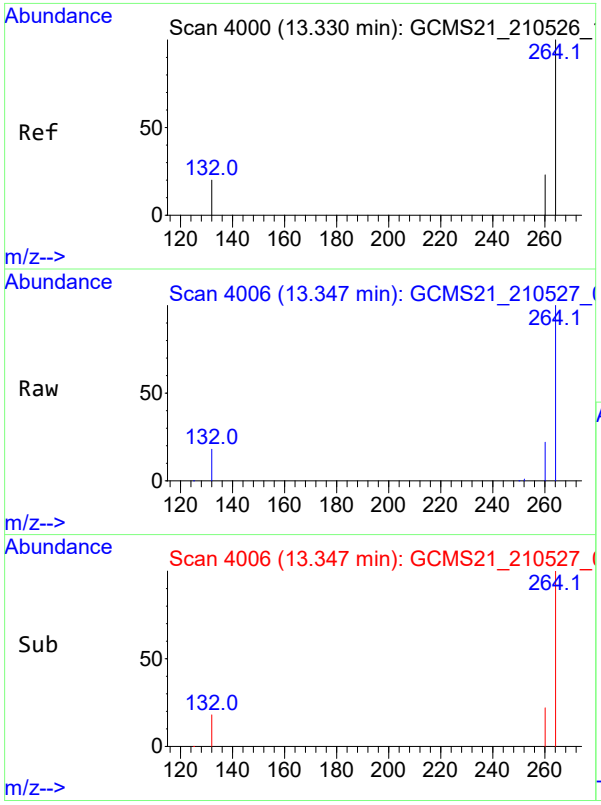


#25
Benzo(e)pyrene
Concen: 204.58 ng/mL
RT: 13.298 min Scan# 3989
Delta R.T. 0.015 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 286416

Ion	Ratio	Lower	Upper
252	100		
250	32.8	2.2	62.2
125	15.7	0.0	45.4

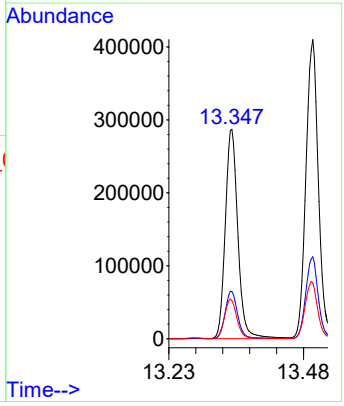


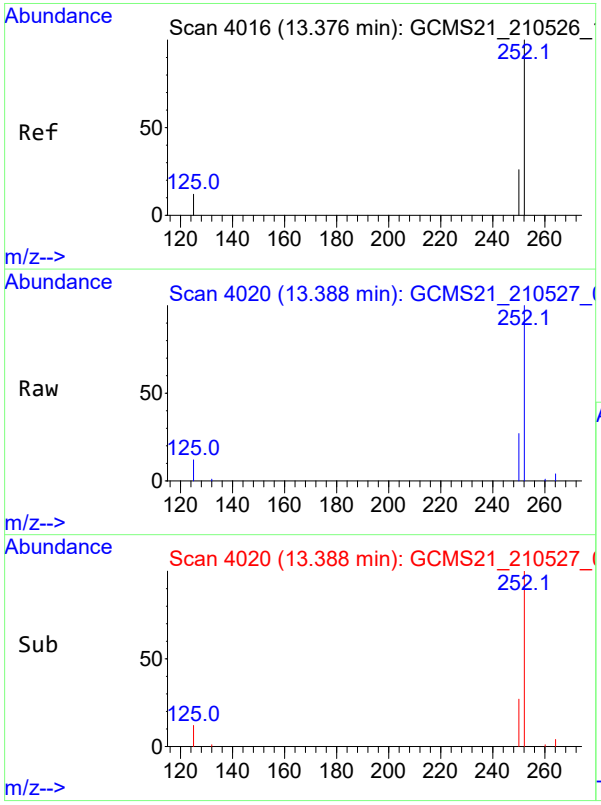


#26
Benzo(a)pyrene-D12
Concen: 432.11 ng/mL
RT: 13.347 min Scan# 4006
Delta R.T. 0.017 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:264 Resp: 469458

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.9	0.0	49.7

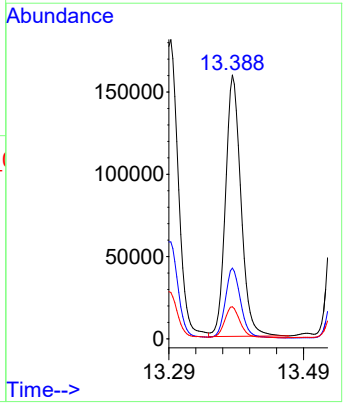


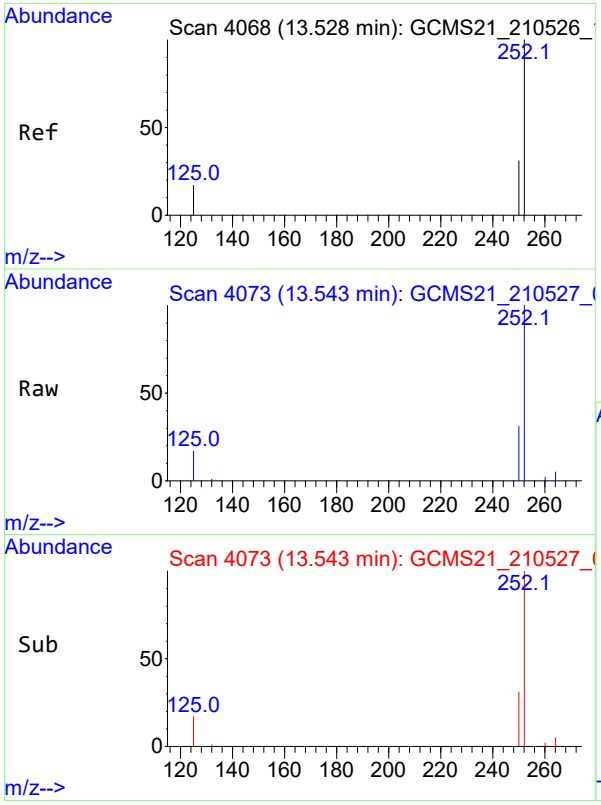


#27
Benzo(a)pyrene
Concen: 197.76 ng/mL
RT: 13.388 min Scan# 4020
Delta R.T. 0.012 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 250525

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.4
125	12.0	0.0	41.7

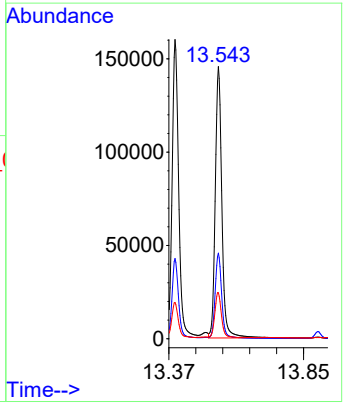


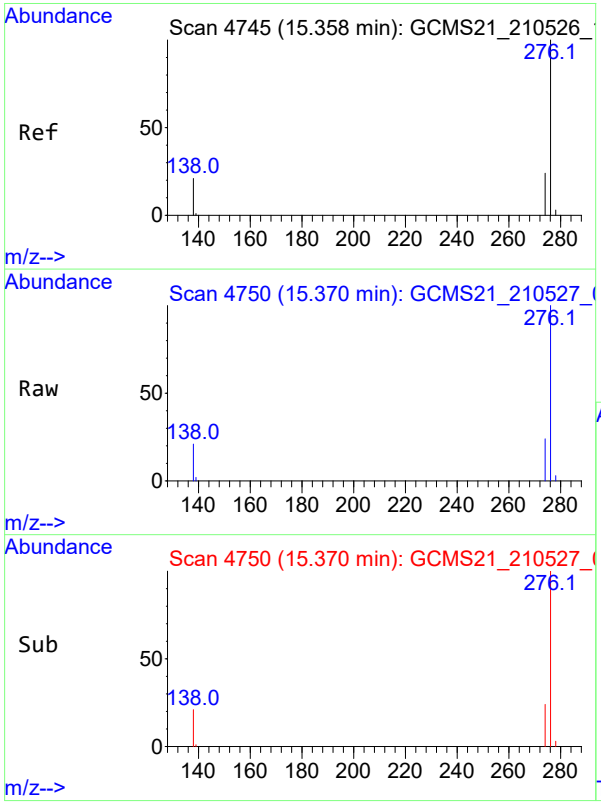


#28
Perylene
Concen: 167.24 ng/mL
RT: 13.543 min Scan# 4073
Delta R.T. 0.015 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:252 Resp: 237933

Ion	Ratio	Lower	Upper
252	100		
250	31.3	1.5	61.5
125	16.7	0.0	46.6

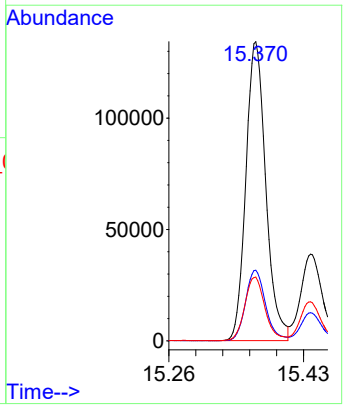


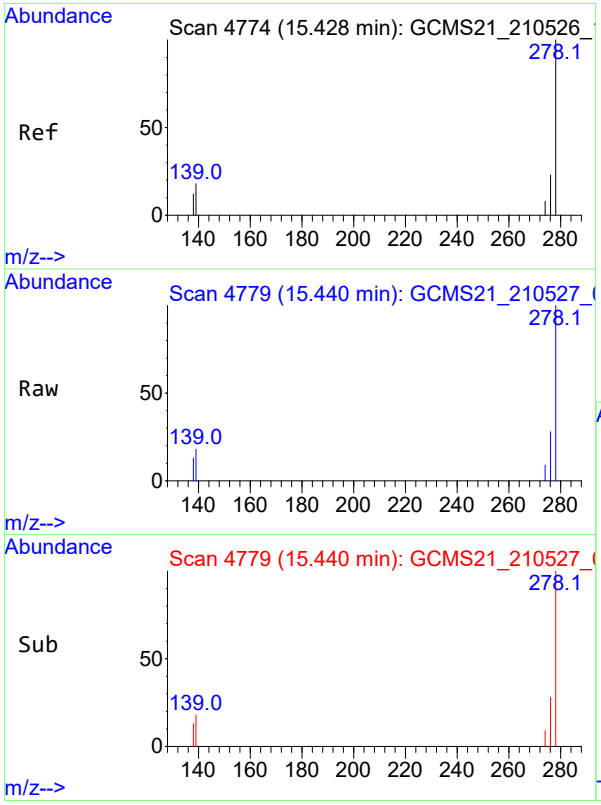


#29
Indeno(1,2,3-cd)pyrene
Concen: 218.38 ng/mL
RT: 15.370 min Scan# 4750
Delta R.T. 0.012 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:276 Resp: 236723

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.8
138	21.3	0.0	50.7

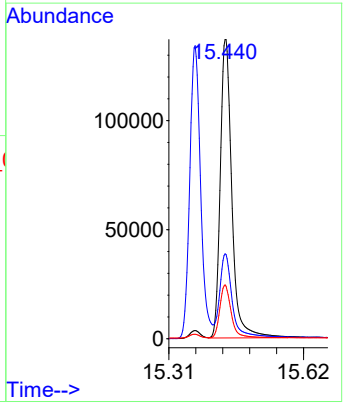


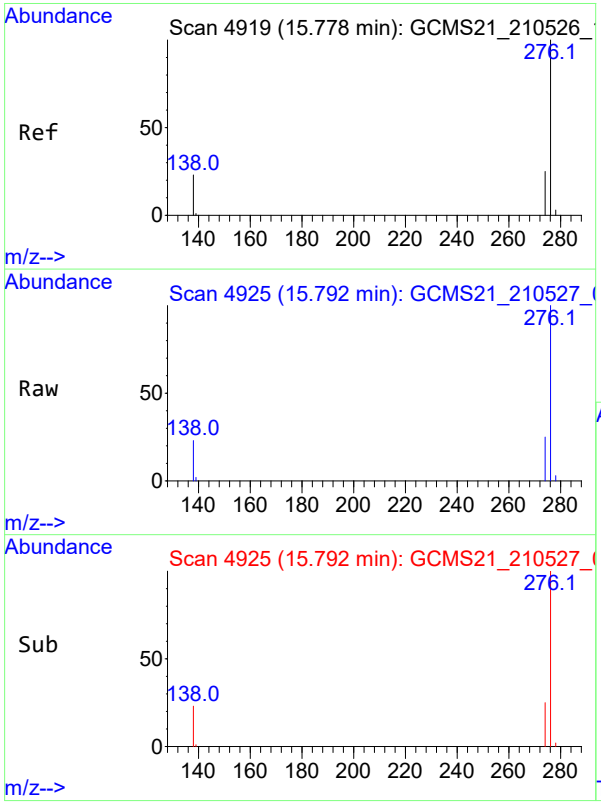


#30
Dibenz(a,h)anthracene
Concen: 238.09 ng/mL
RT: 15.440 min Scan# 4779
Delta R.T. 0.012 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:278 Resp: 257227

Ion	Ratio	Lower	Upper
278	100		
276	30.9	0.0	52.8
139	17.3	0.0	47.6

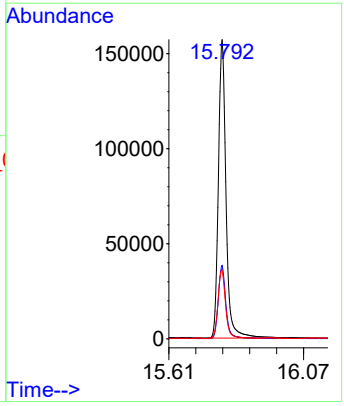




#31
Benzo(g,h,i)perylene
Concen: 199.09 ng/mL
RT: 15.792 min Scan# 4925
Delta R.T. 0.014 min
Lab File: GCMS21_210527_07.D
Acq: 27 May 2021 14:35

Tgt Ion:276 Resp: 280406

Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	54.8
138	23.0	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_08.D
Acq On : 27 May 2021 15:00
Operator : MN GCMS21
Sample : B21E006-BSD1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 11:29:47 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

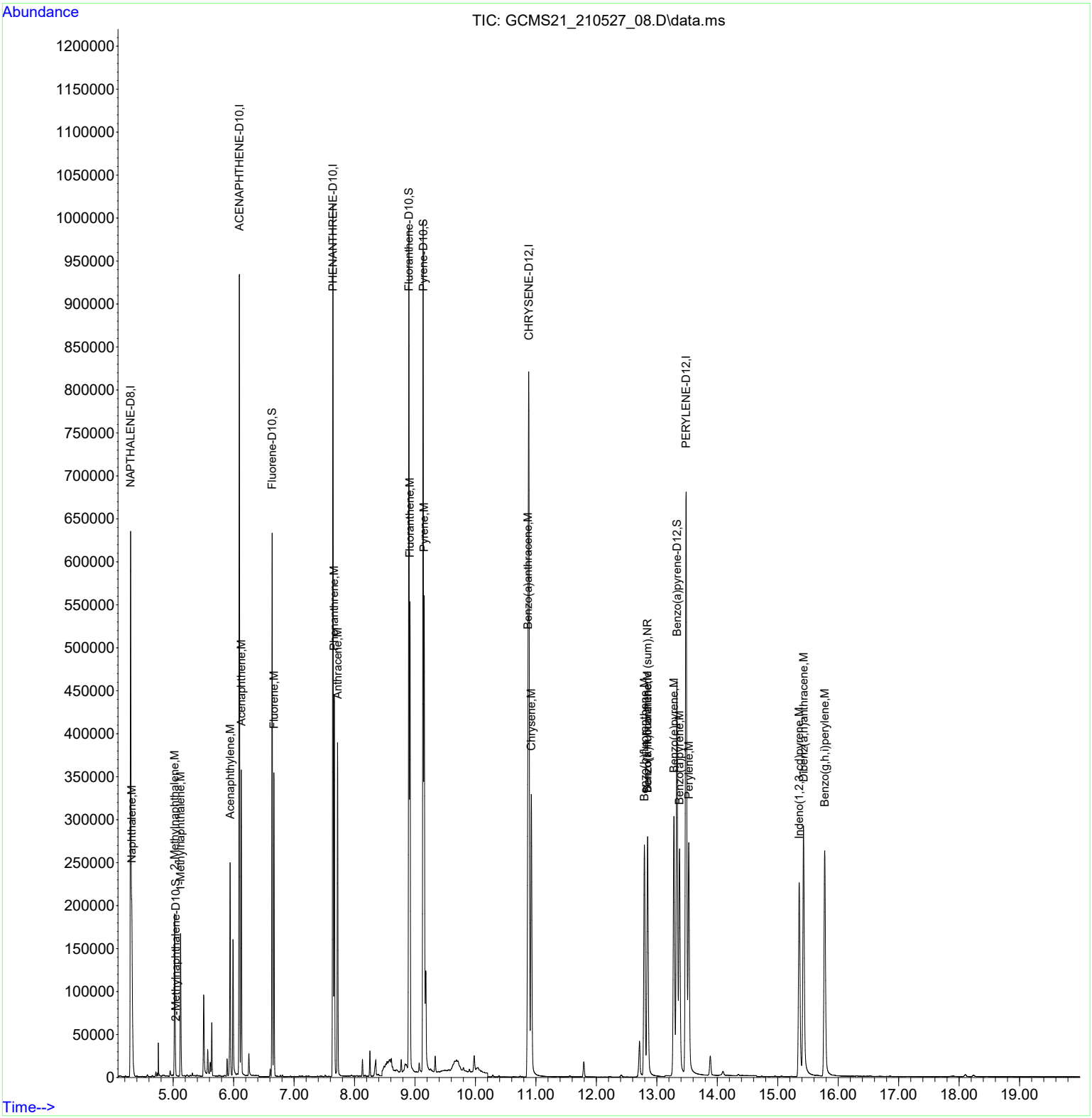
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.296	136	621863	500.00	ng/mL	-0.01
6) ACENAPHTHENE-D10	6.096	164	361178	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	715975	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	761121	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	742551	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.042	152	123	0.16	ng/mL	0.04
9) Fluorene-D10	6.637	176	235918	272.83	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	594305	383.35	ng/mL	0.00
17) Pyrene-D10	9.135	212	626600	360.83	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	510782	423.38	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.316	128	100426	84.17	ng/mL	99
4) 2-Methylnaphthalene	5.025	142	76195	86.71	ng/mL	100
5) 1-Methylnaphthalene	5.124	142	66799	91.26	ng/mL	99
7) Acenaphthylene	5.942	152	126101	105.19	ng/mL	98
8) Acenaphthene	6.126	153	95938	104.55	ng/mL	96
10) Fluorene	6.666	166	131673	129.64	ng/mL	100
12) Phenanthrene	7.665	178	259657	150.27	ng/mL	100
13) Anthracene	7.719	178	233771	162.70	ng/mL	99
15) Fluoranthene	8.916	202	320814	175.91	ng/mL	97
18) Pyrene	9.153	202	333991	164.65	ng/mL	98
19) Benzo(a)anthracene	10.868	228	291381	190.33	ng/mL	99
20) Chrysene	10.923	228	313071	165.64	ng/mL	99
22) Benzo(b)fluoranthene	12.794	252	328277	212.98	ng/mL	99
23) Benzo(k)fluoranthene	12.847	252	349166	204.40	ng/mL	100
24) benzo(b+k)fluoranthene...	12.847	252	675089m	403.09	ng/mL	
25) Benzo(e)pyrene	13.283	252	324863	208.96	ng/mL	99
27) Benzo(a)pyrene	13.377	252	287218	204.18	ng/mL	99
28) Perylene	13.529	252	272602	172.55	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.356	276	274222	227.81	ng/mL	99
30) Dibenz(a,h)anthracene	15.426	278	300264	250.28	ng/mL	91
31) Benzo(g,h,i)perylene	15.778	276	320931	205.20	ng/mL	100

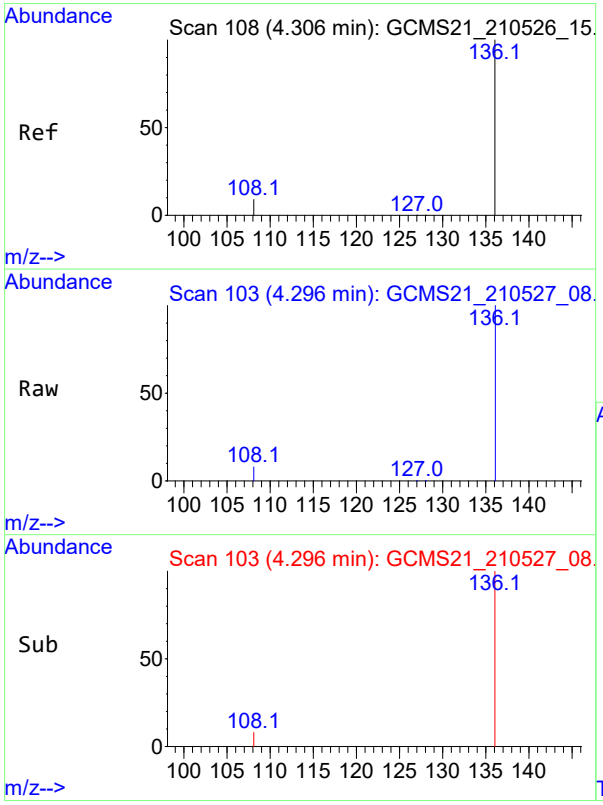
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_08.D
Acq On : 27 May 2021 15:00
Operator : MN GCMS21
Sample : B21E006-BSD1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 11:29:47 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

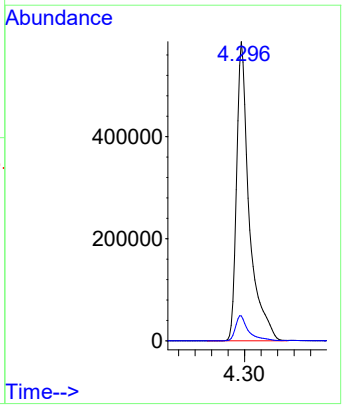


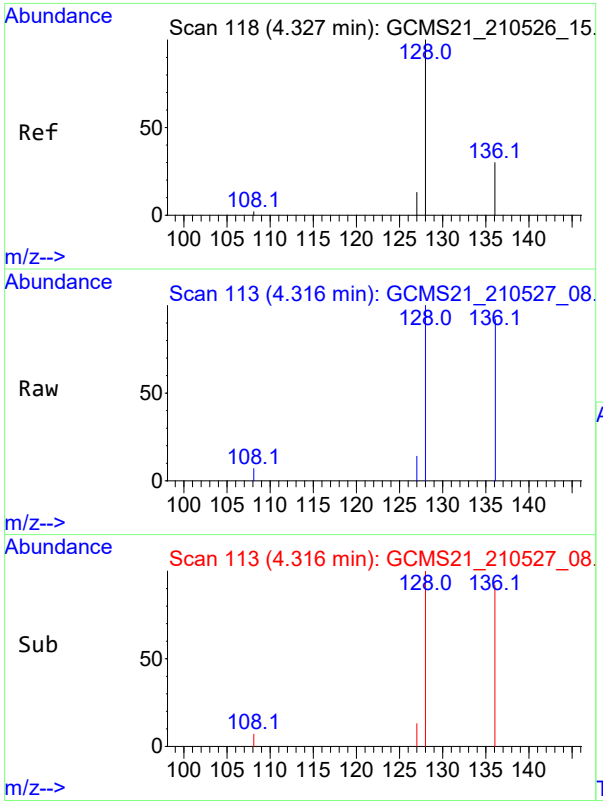


#1
NAPHTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.296 min Scan# 103
Delta R.T. -0.010 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:136 Resp: 621863

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

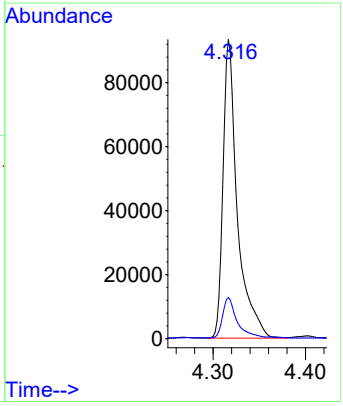


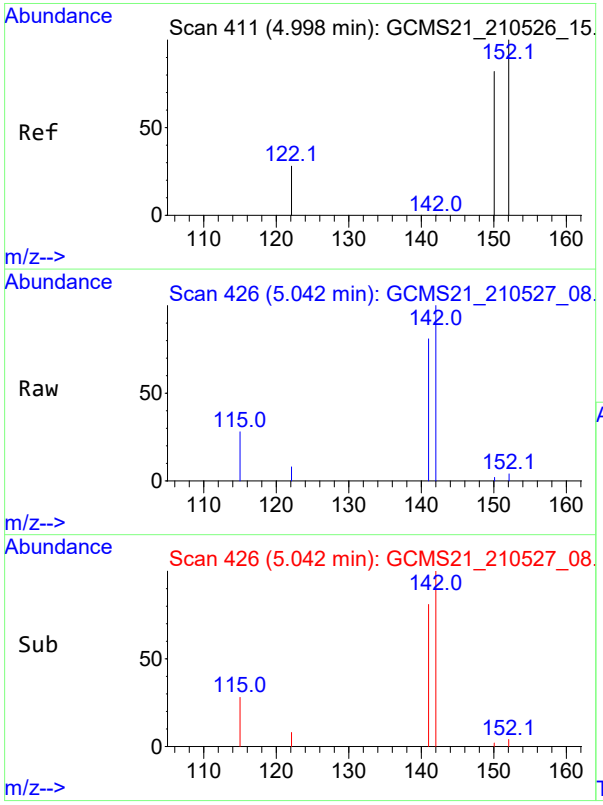


#2
Naphthalene
Concen: 84.17 ng/mL
RT: 4.316 min Scan# 113
Delta R.T. -0.010 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:128 Resp: 100426

Ion	Ratio	Lower	Upper
128	100		
127	13.7	0.0	43.3

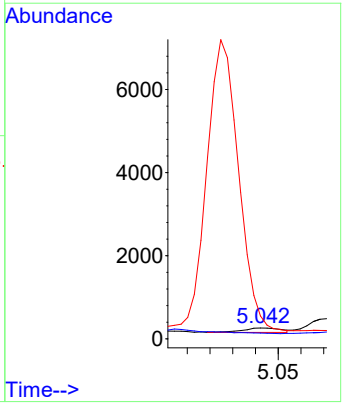


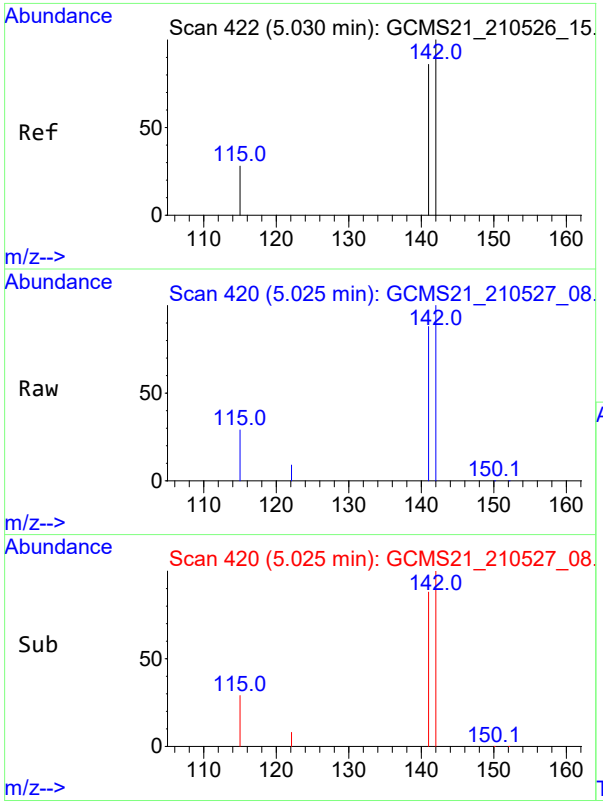


#3
2-Methylnaphthalene-D10
Concen: 0.16 ng/mL
RT: 5.042 min Scan# 426
Delta R.T. 0.044 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:152 Resp: 123

Ion	Ratio	Lower	Upper
152	100		
150	152.8	52.3	112.3#
122	5645.5	0.0	57.5#

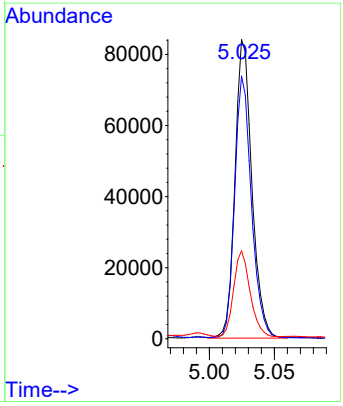


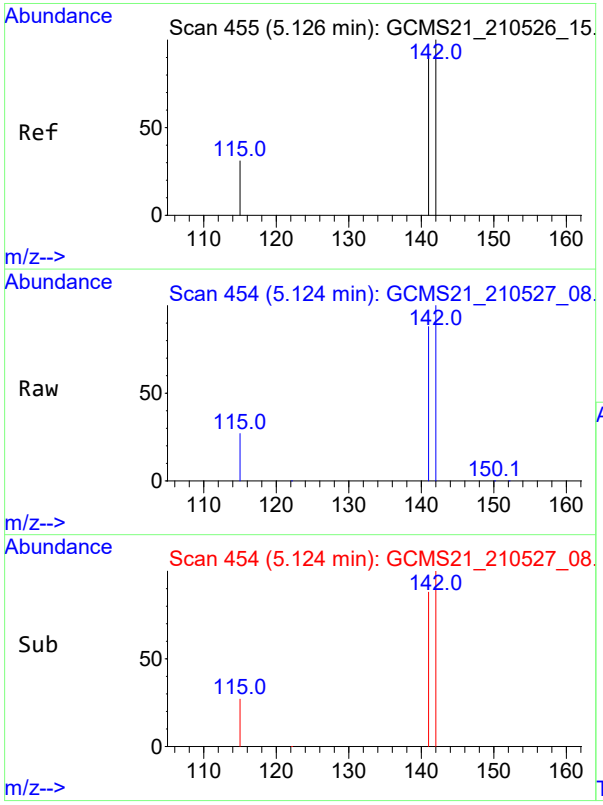


#4
2-Methylnaphthalene
Concen: 86.71 ng/mL
RT: 5.025 min Scan# 420
Delta R.T. -0.006 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:142 Resp: 76195

Ion	Ratio	Lower	Upper
142	100		
141	86.4	56.3	116.3
115	27.7	0.0	57.4

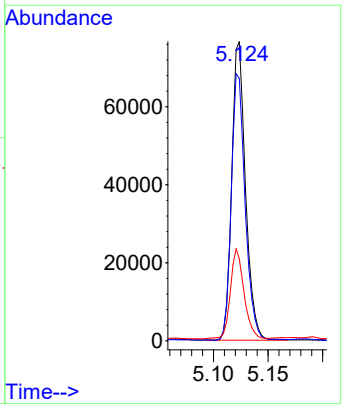


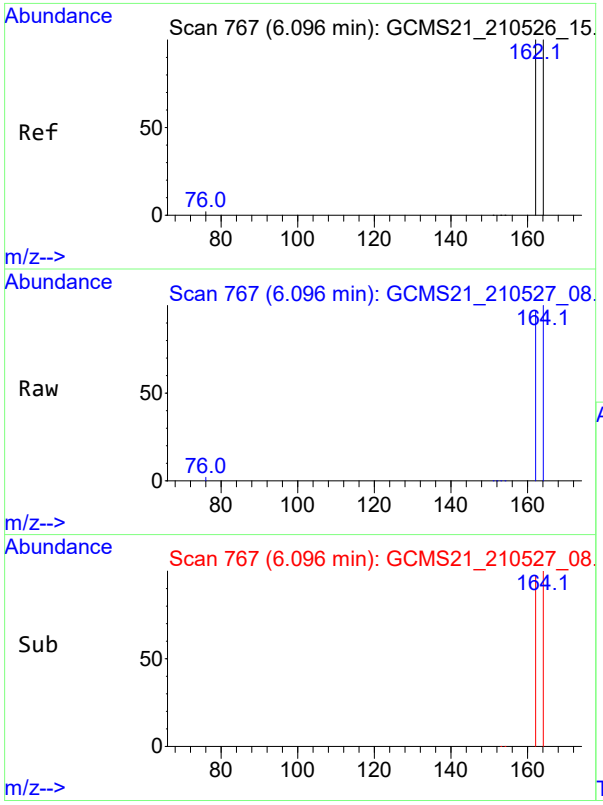


#5
1-Methylnaphthalene
Concen: 91.26 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:142 Resp: 66799

Ion	Ratio	Lower	Upper
142	100		
141	90.0	61.5	121.5
115	29.9	0.2	60.2

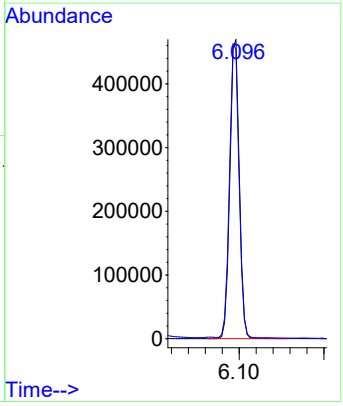


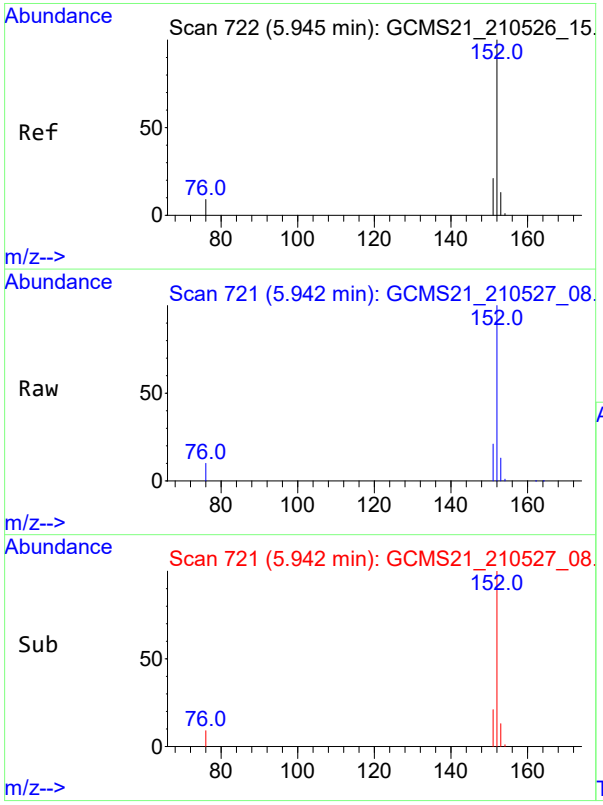


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:164 Resp: 361178

Ion	Ratio	Lower	Upper
164	100		
162	100.6	77.7	117.7

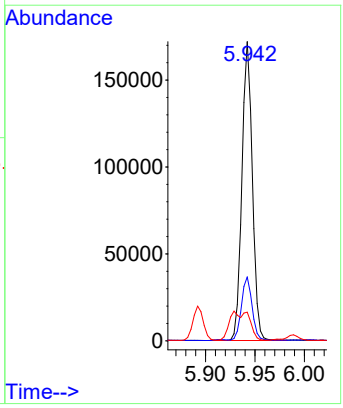


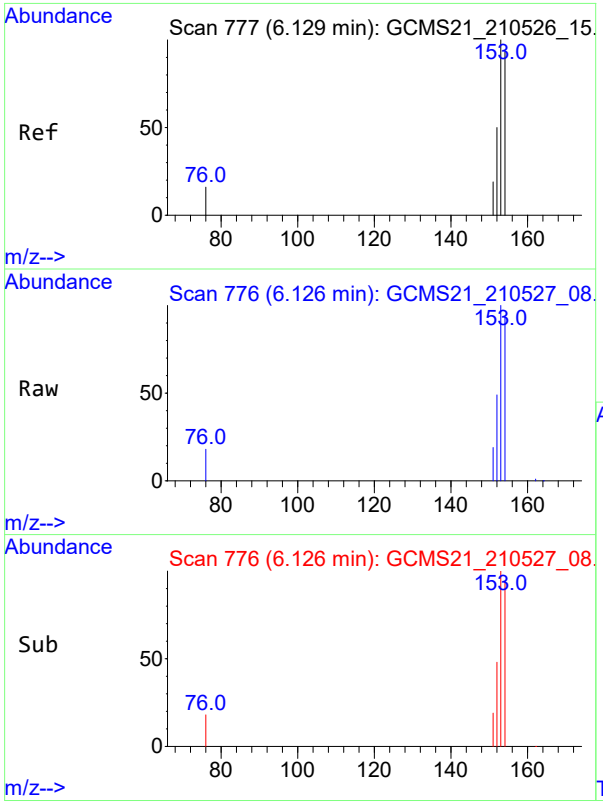


#7
Acenaphthylene
Concen: 105.19 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:152 Resp: 126101

Ion	Ratio	Lower	Upper
152	100		
151	21.6	0.0	52.0
76	8.0	0.0	39.5

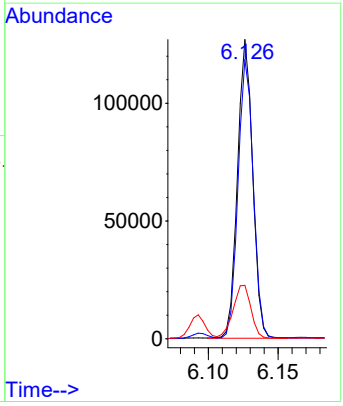


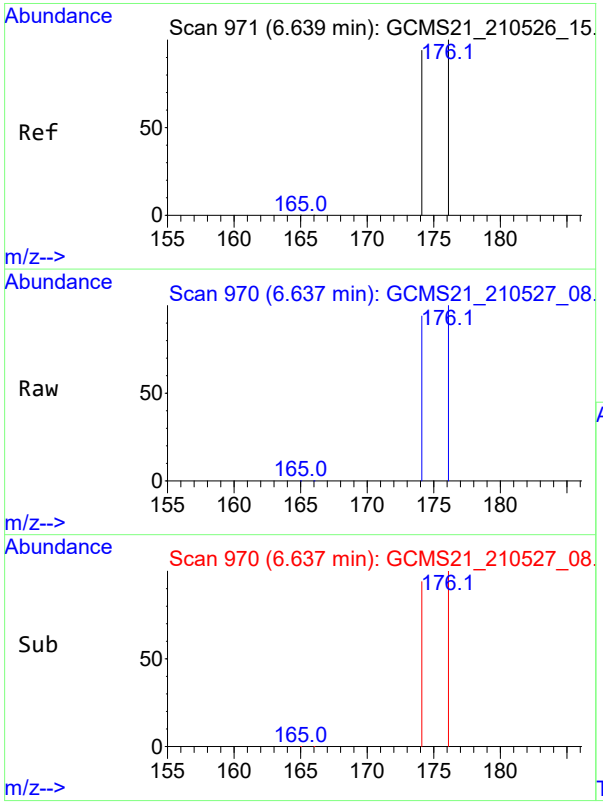


#8
Acenaphthene
Concen: 104.55 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:153 Resp: 95938

Ion	Ratio	Lower	Upper
153	100		
154	93.6	60.4	120.4
76	20.8	0.0	47.4

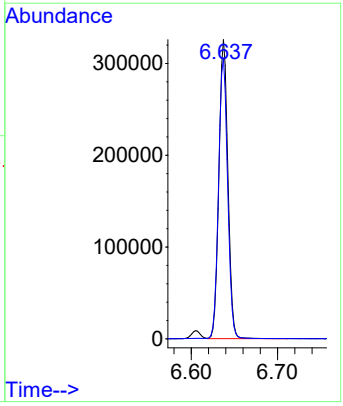


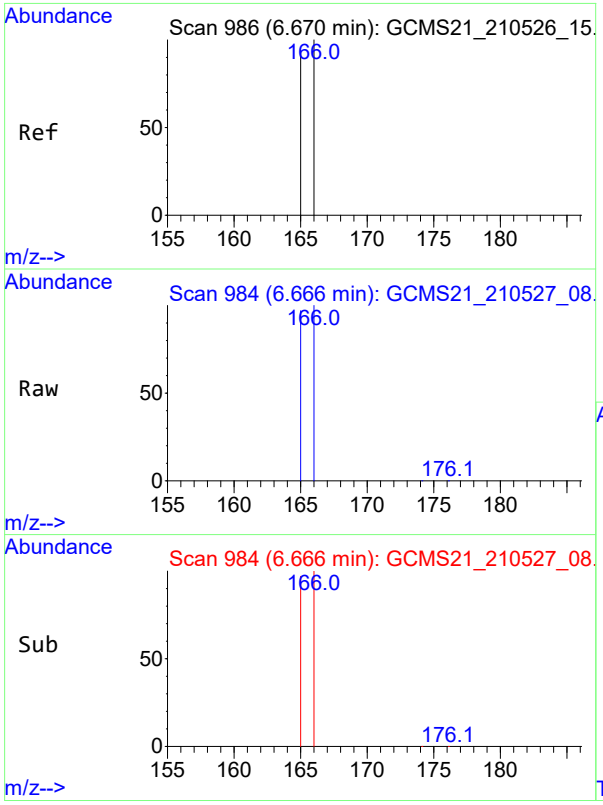


#9
Fluorene-D10
Concen: 272.83 ng/mL
RT: 6.637 min Scan# 970
Delta R.T. -0.002 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:176 Resp: 235918

Ion	Ratio	Lower	Upper
176	100		
174	94.9	63.9	123.9

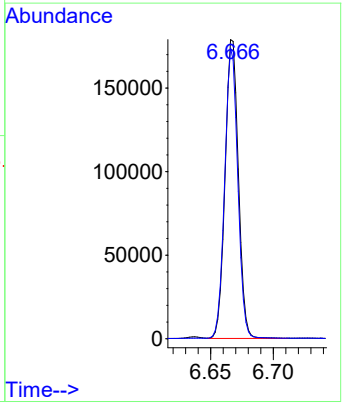


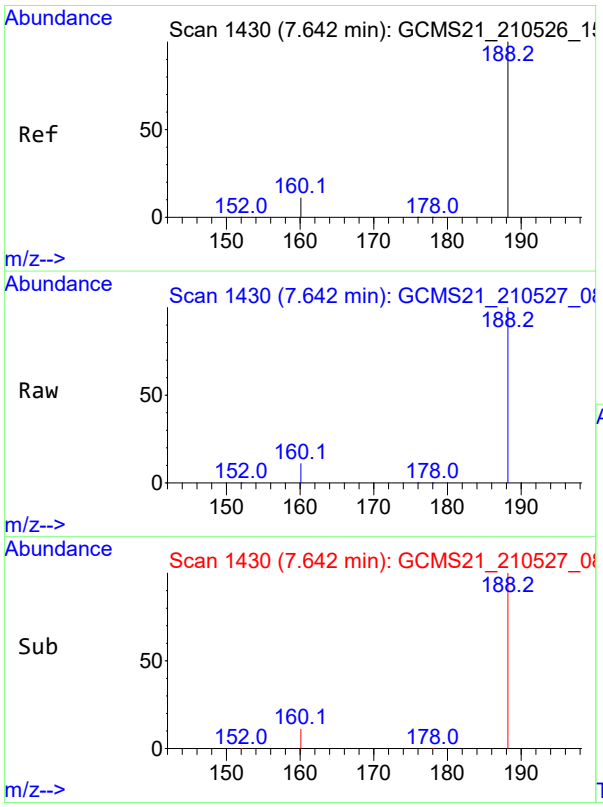


#10
Fluorene
Concen: 129.64 ng/mL
RT: 6.666 min Scan# 984
Delta R.T. -0.004 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:166 Resp: 131673

Ion	Ratio	Lower	Upper
166	100		
165	95.5	65.1	125.1

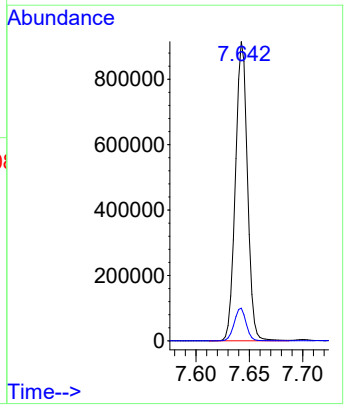


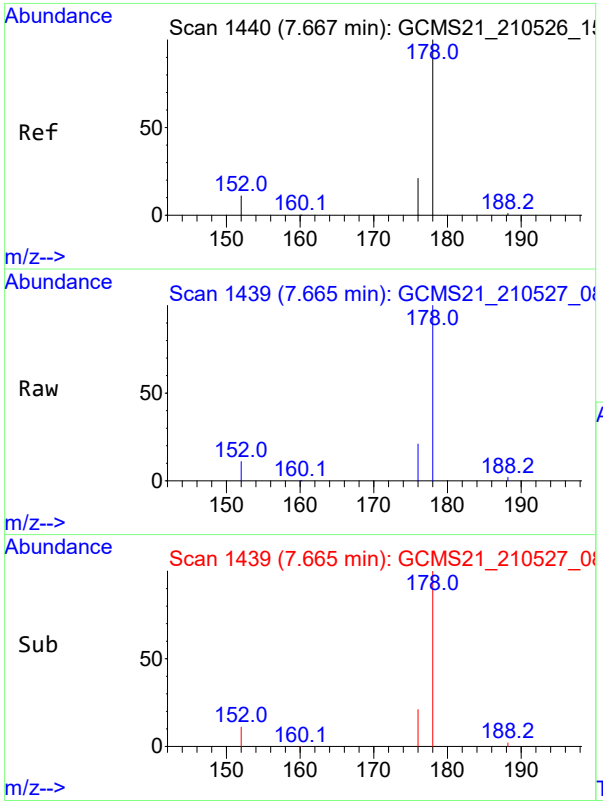


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:188 Resp: 715975

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	39.8

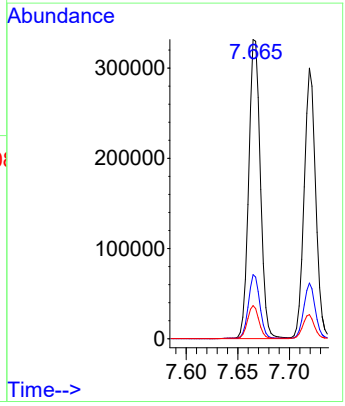


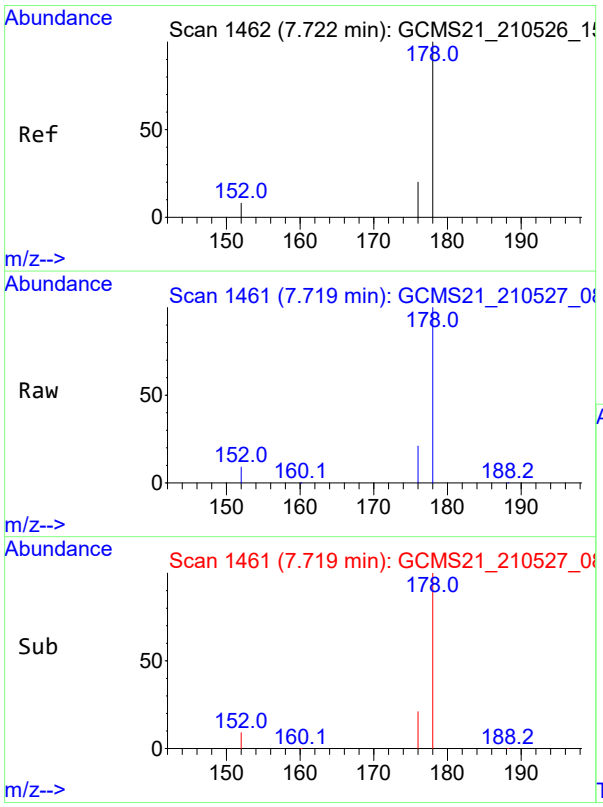


#12
Phenanthrene
Concen: 150.27 ng/mL
RT: 7.665 min Scan# 1439
Delta R.T. -0.002 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:178 Resp: 259657

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	10.7	0.0	40.5

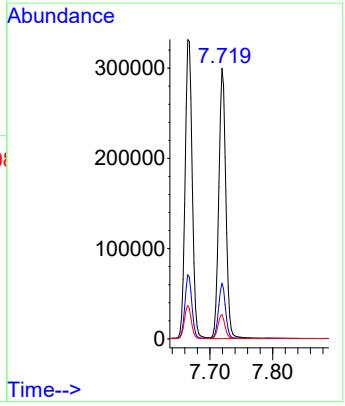


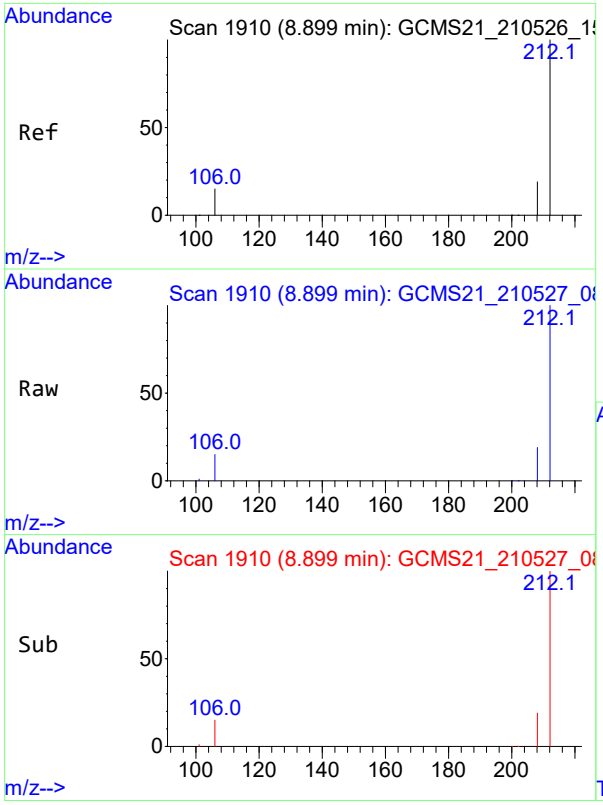


#13
Anthracene
Concen: 162.70 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:178 Resp: 233771

Ion	Ratio	Lower	Upper
178	100		
176	20.2	0.0	50.2
152	8.8	0.0	38.2

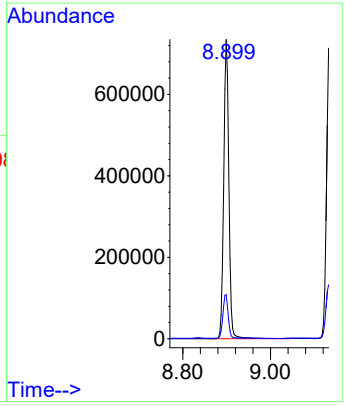


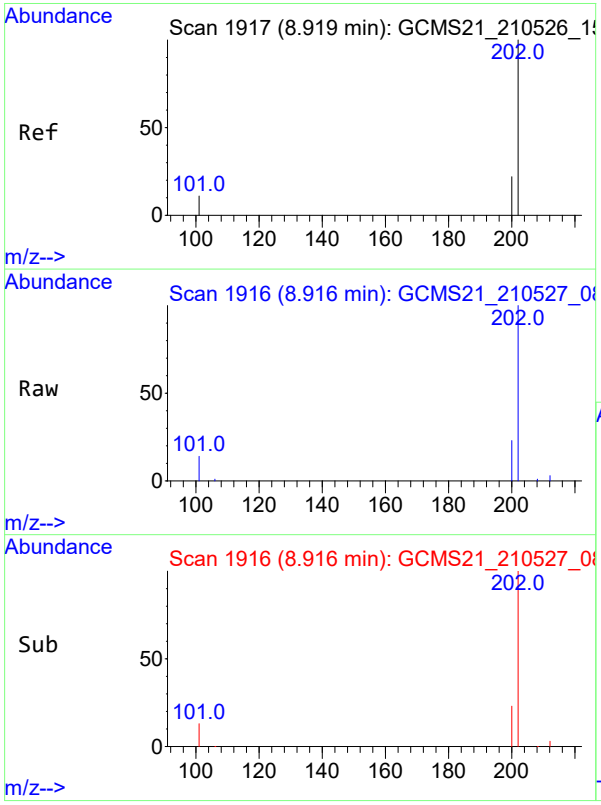


#14
Fluoranthene-D10
Concen: 383.35 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:212 Resp: 594305

Ion	Ratio	Lower	Upper
212	100		
106	15.2	0.0	44.9

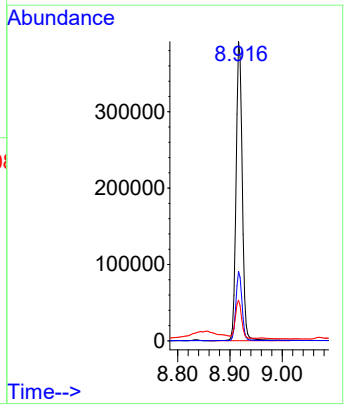


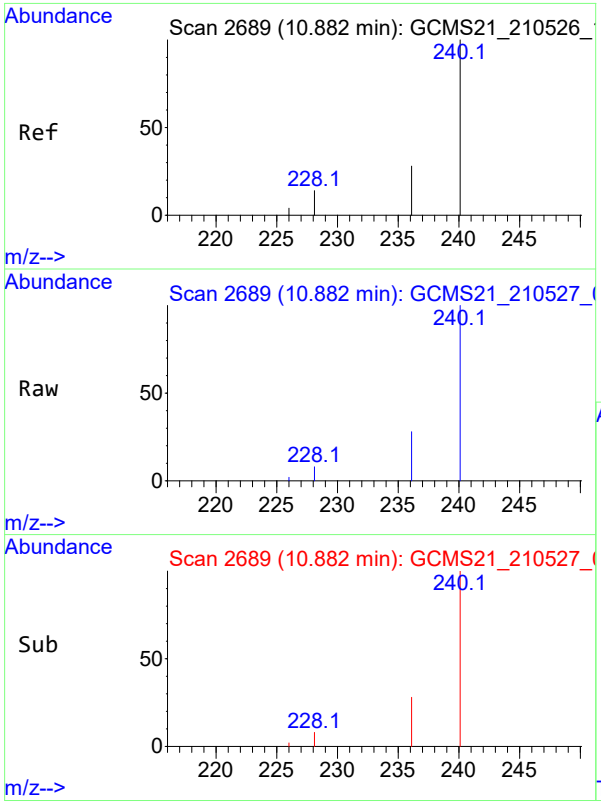


#15
Fluoranthene
Concen: 175.91 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:202 Resp: 320814

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	52.4
101	13.2	0.0	41.1

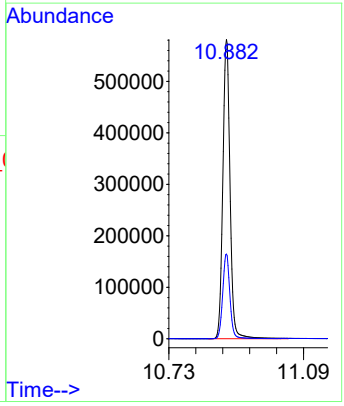


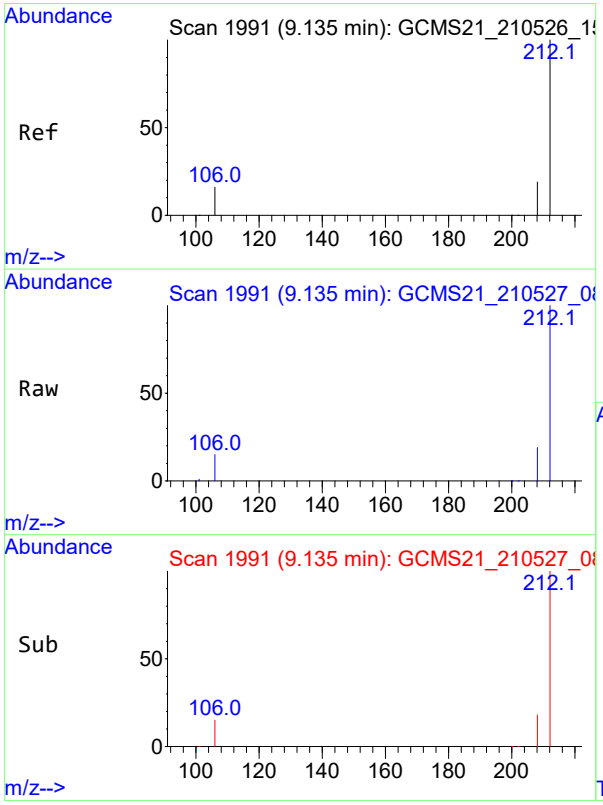


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:240 Resp: 761121

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.6

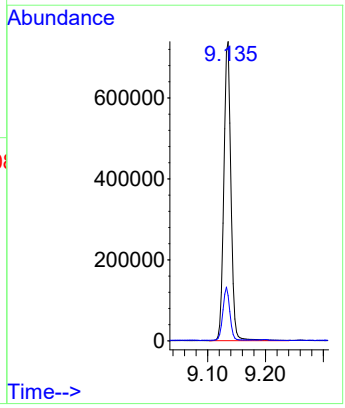


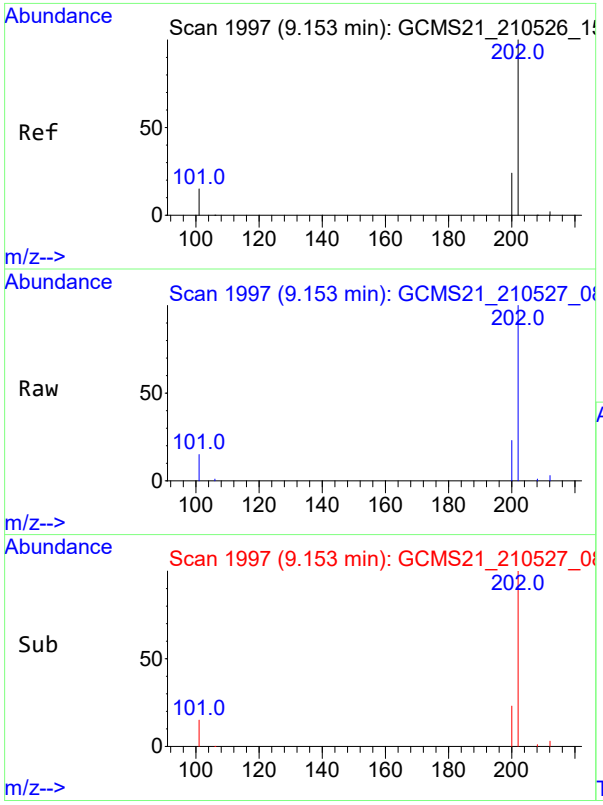


#17
Pyrene-D10
Concen: 360.83 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:212 Resp: 626600

Ion	Ratio	Lower	Upper
212	100		
106	17.4	0.0	46.2

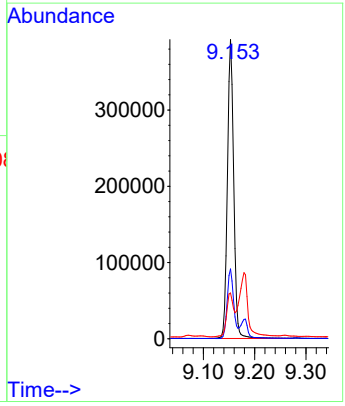


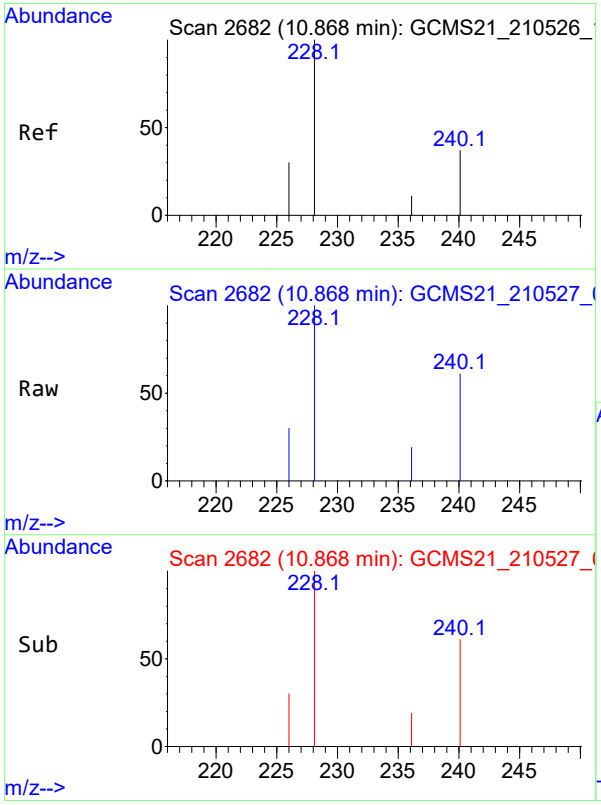


#18
Pyrene
Concen: 164.65 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:202 Resp: 333991

Ion	Ratio	Lower	Upper
202	100		
200	24.0	0.0	53.9
101	16.5	0.0	44.5

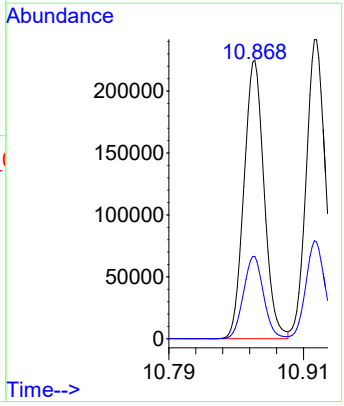


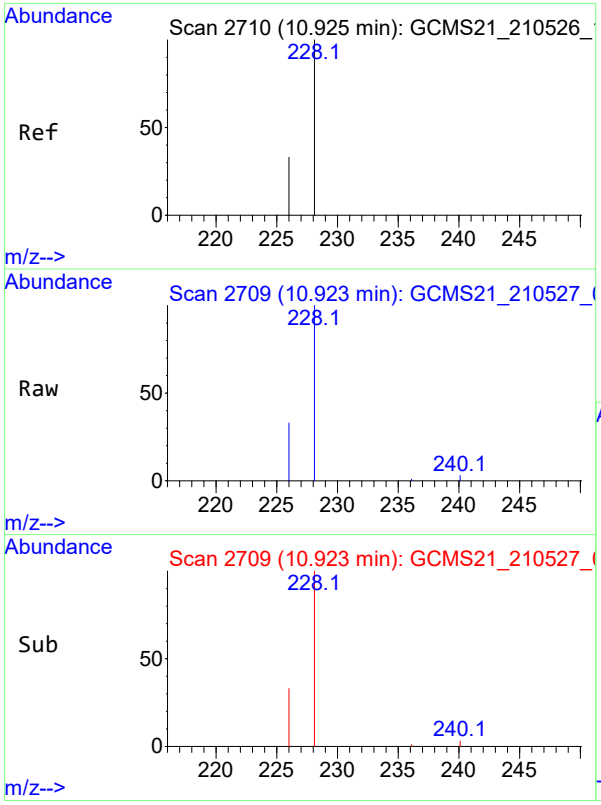


#19
Benzo(a)anthracene
Concen: 190.33 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:228 Resp: 291381

Ion	Ratio	Lower	Upper
228	100		
226	29.5	0.0	59.8

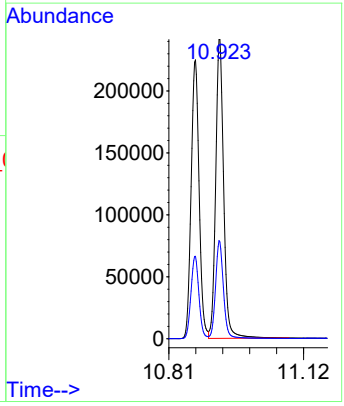


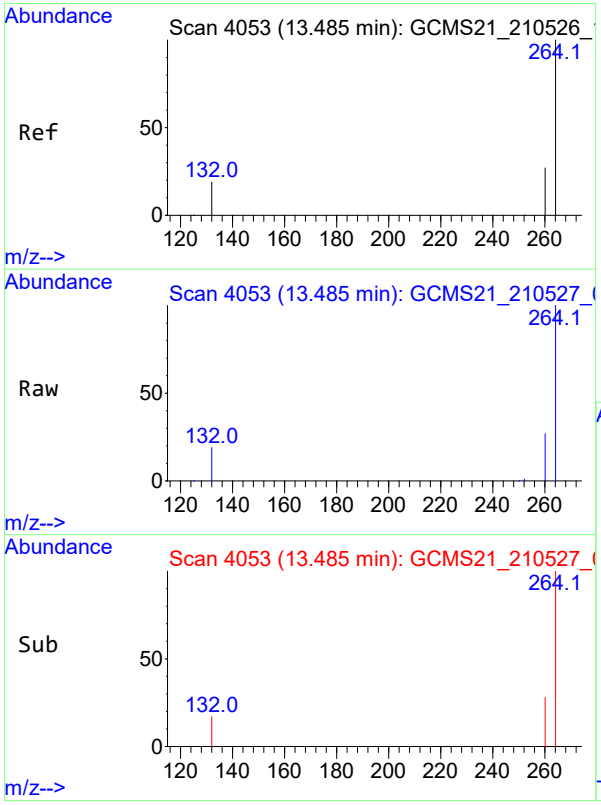


#20
Chrysene
Concen: 165.64 ng/mL
RT: 10.923 min Scan# 2709
Delta R.T. -0.002 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:228 Resp: 313071

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.8	62.8

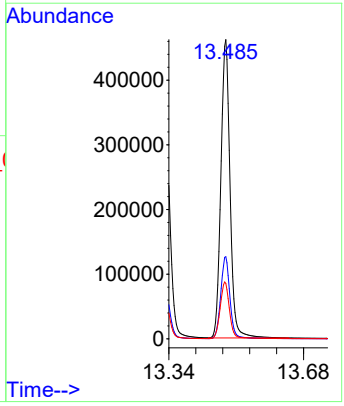


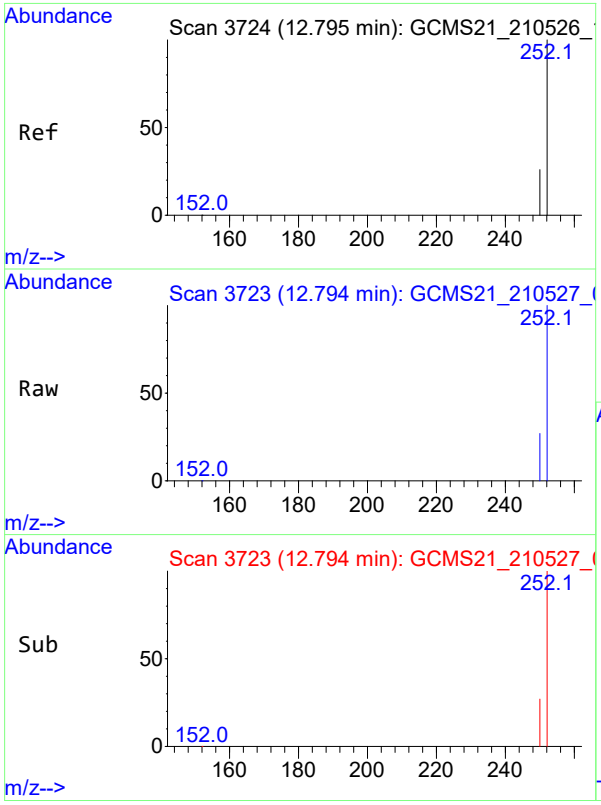


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:264 Resp: 742551

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.1	0.0	49.5

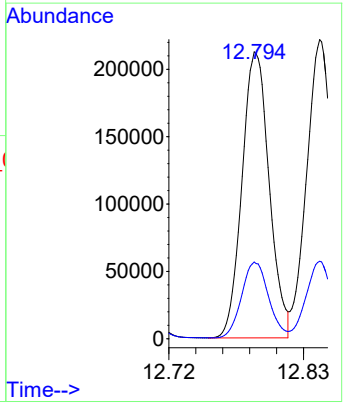


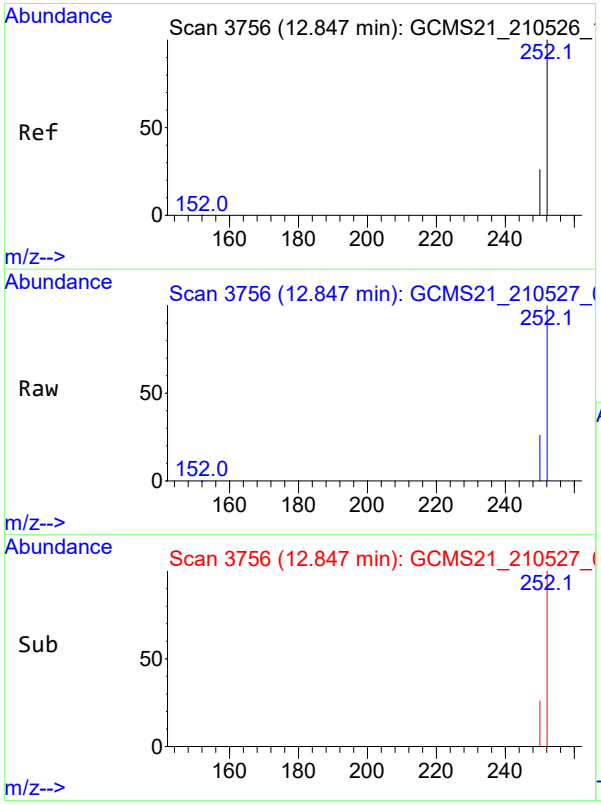


#22
Benzo(b)fluoranthene
Concen: 212.98 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. -0.001 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 328277

Ion	Ratio	Lower	Upper
252	100		
250	26.7	0.0	56.2

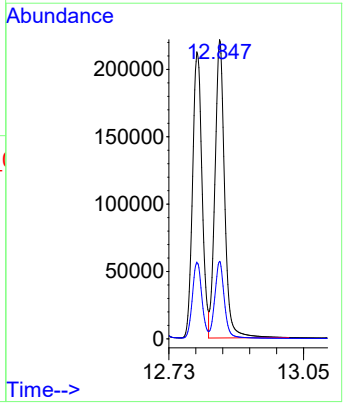


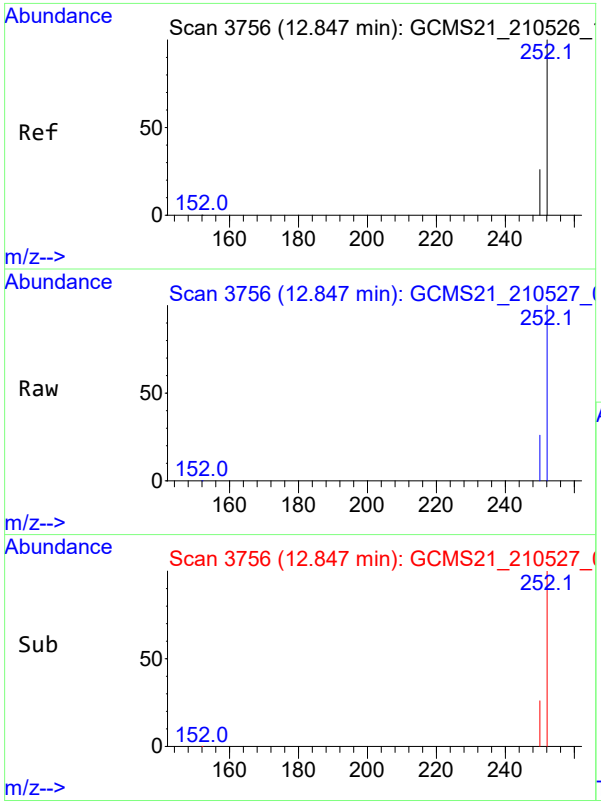


#23
Benzo(k)fluoranthene
Concen: 204.40 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 349166

Ion	Ratio	Lower	Upper
252	100		
250	25.4	0.0	55.6

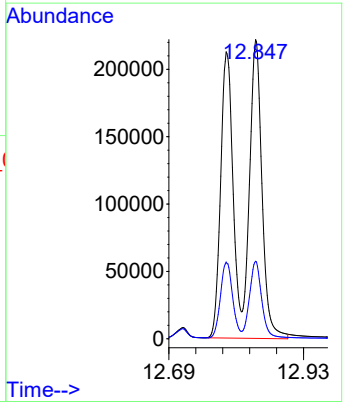


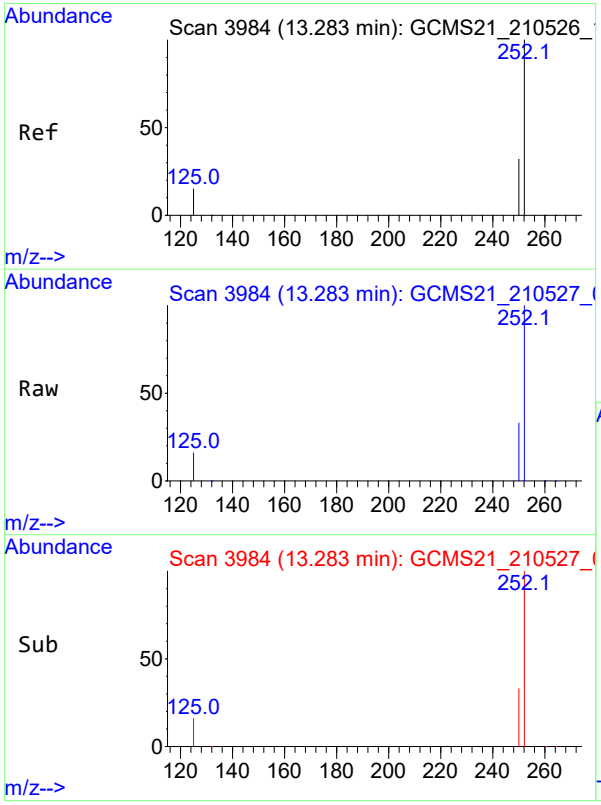


#24
benzo(b+k)fluoranthene (sum)
Concen: 403.09 ng/mL m
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 675089

Ion	Ratio	Lower	Upper
252	100		
250	25.5	0.0	55.6

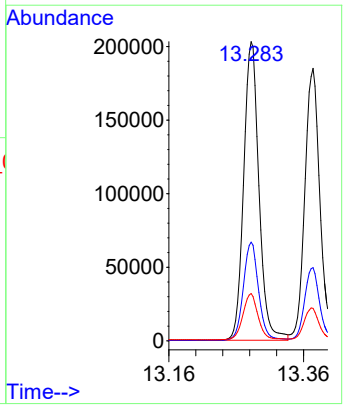


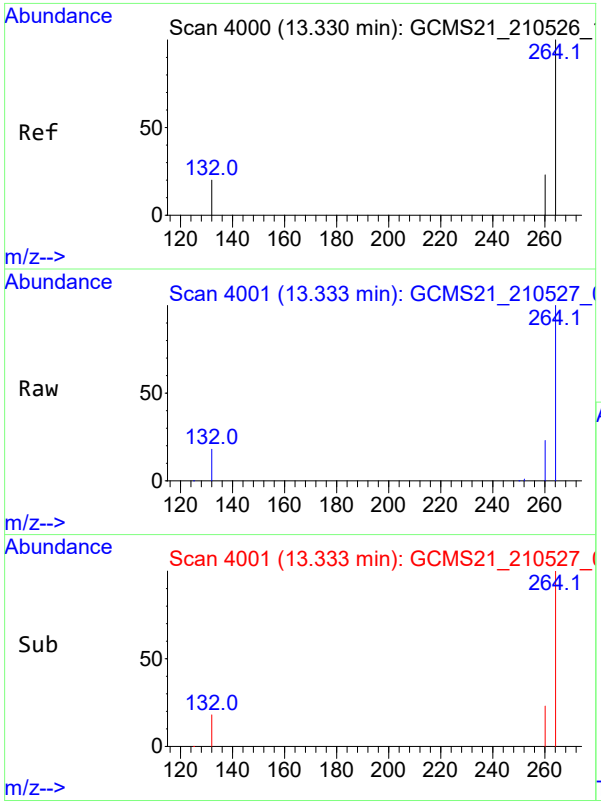


#25
Benzo(e)pyrene
Concen: 208.96 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 324863

Ion	Ratio	Lower	Upper
252	100		
250	33.0	2.2	62.2
125	15.6	0.0	45.4

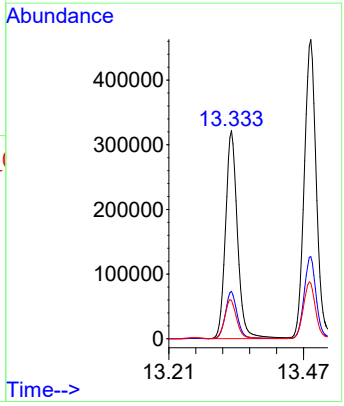


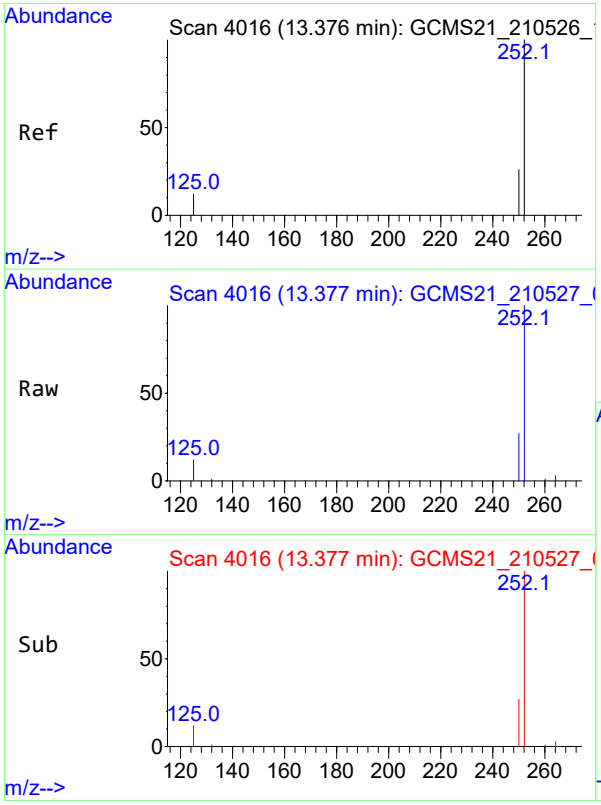


#26
Benzo(a)pyrene-D12
Concen: 423.38 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:264 Resp: 510782

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.7	0.0	49.7

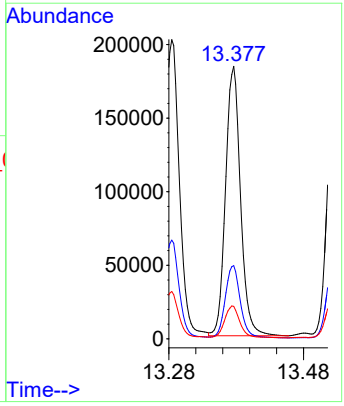


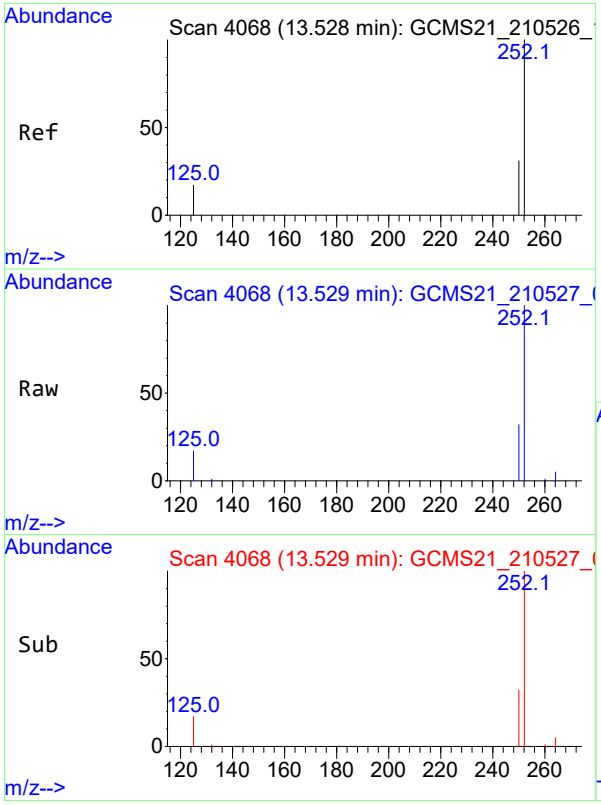


#27
Benzo(a)pyrene
Concen: 204.18 ng/mL
RT: 13.377 min Scan# 4016
Delta R.T. 0.001 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 287218

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.4
125	11.8	0.0	41.7

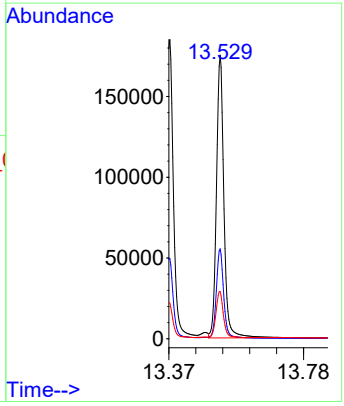


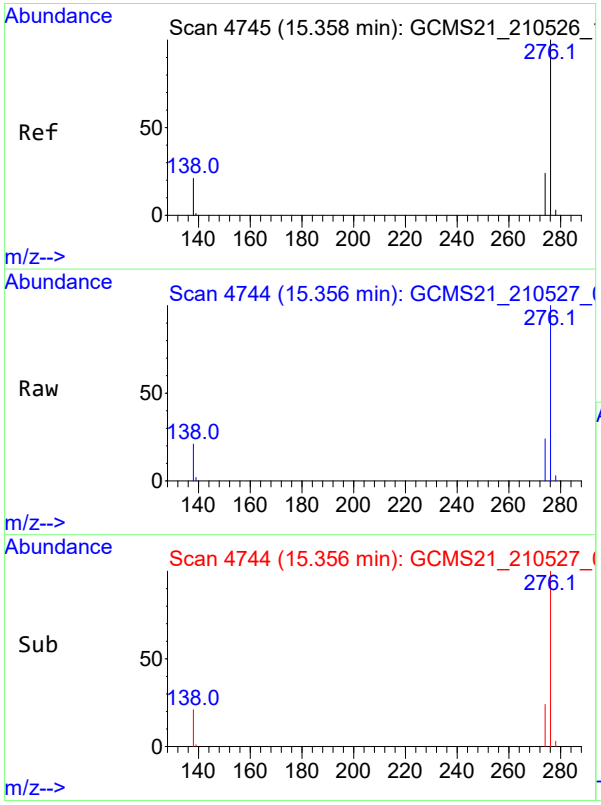


#28
Perylene
Concen: 172.55 ng/mL
RT: 13.529 min Scan# 4068
Delta R.T. 0.001 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 272602

Ion	Ratio	Lower	Upper
252	100		
250	31.2	1.5	61.5
125	16.1	0.0	46.6

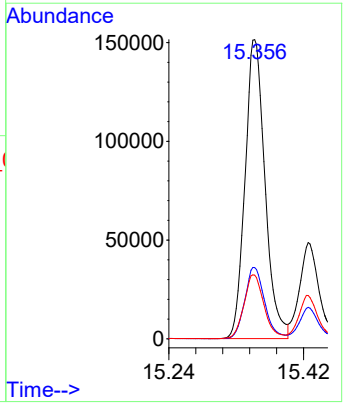


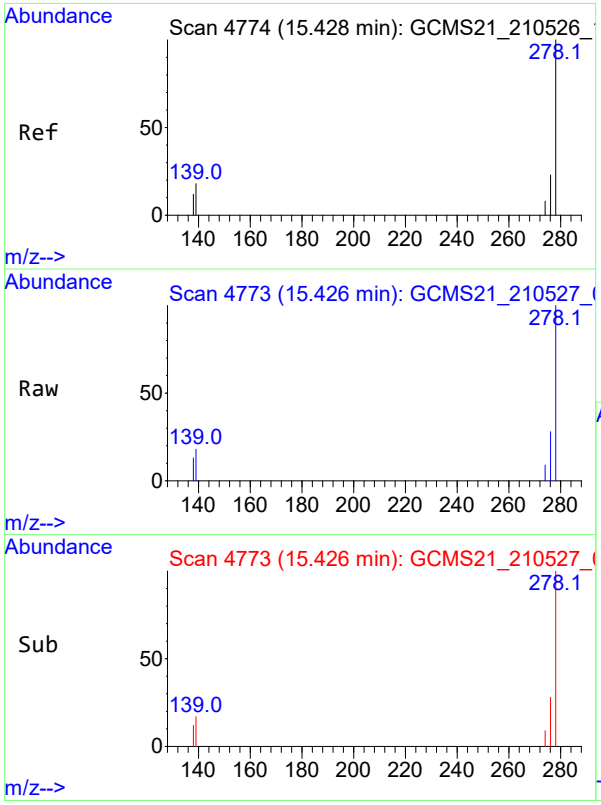


#29
Indeno(1,2,3-cd)pyrene
Concen: 227.81 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. -0.002 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:276 Resp: 274222

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.8
138	21.2	0.0	50.7

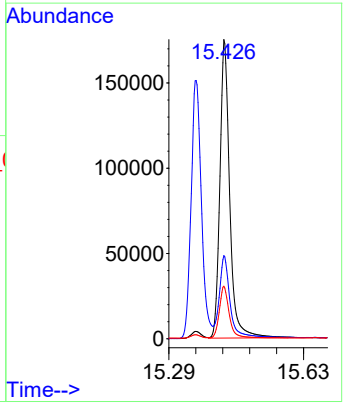


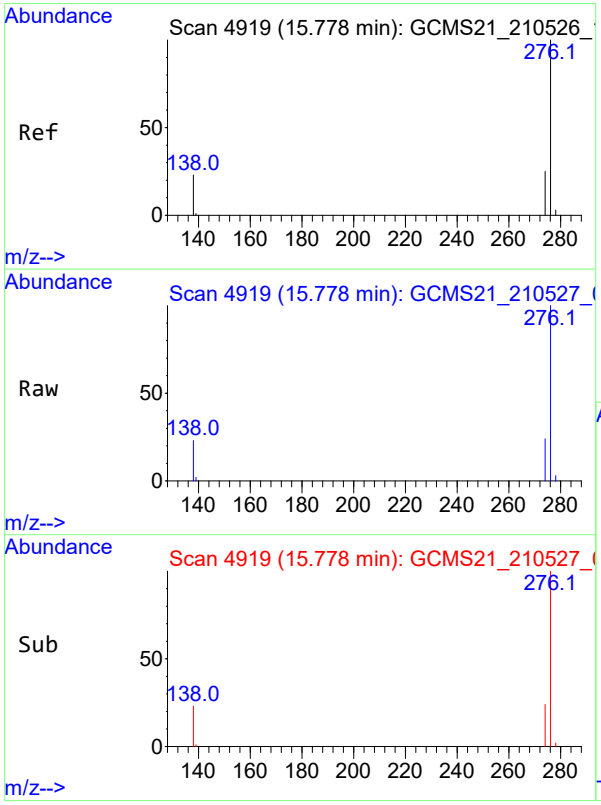


#30
Dibenz(a,h)anthracene
Concen: 250.28 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. -0.002 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:278 Resp: 300264

Ion	Ratio	Lower	Upper
278	100		
276	30.4	0.0	52.8
139	17.3	0.0	47.6

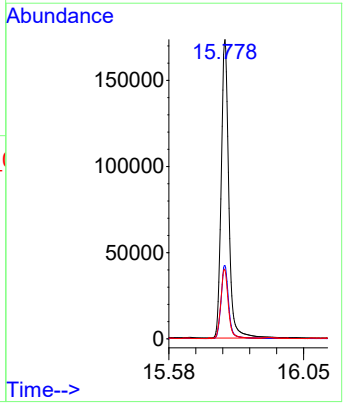




#31
Benzo(g,h,i)perylene
Concen: 205.20 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. -0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:276 Resp: 320931

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.8
138	23.0	0.0	52.9



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_08.D
Acq On : 27 May 2021 15:00
Operator : MN GCMS21
Sample : B21E006-BSD1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 11:29:47 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

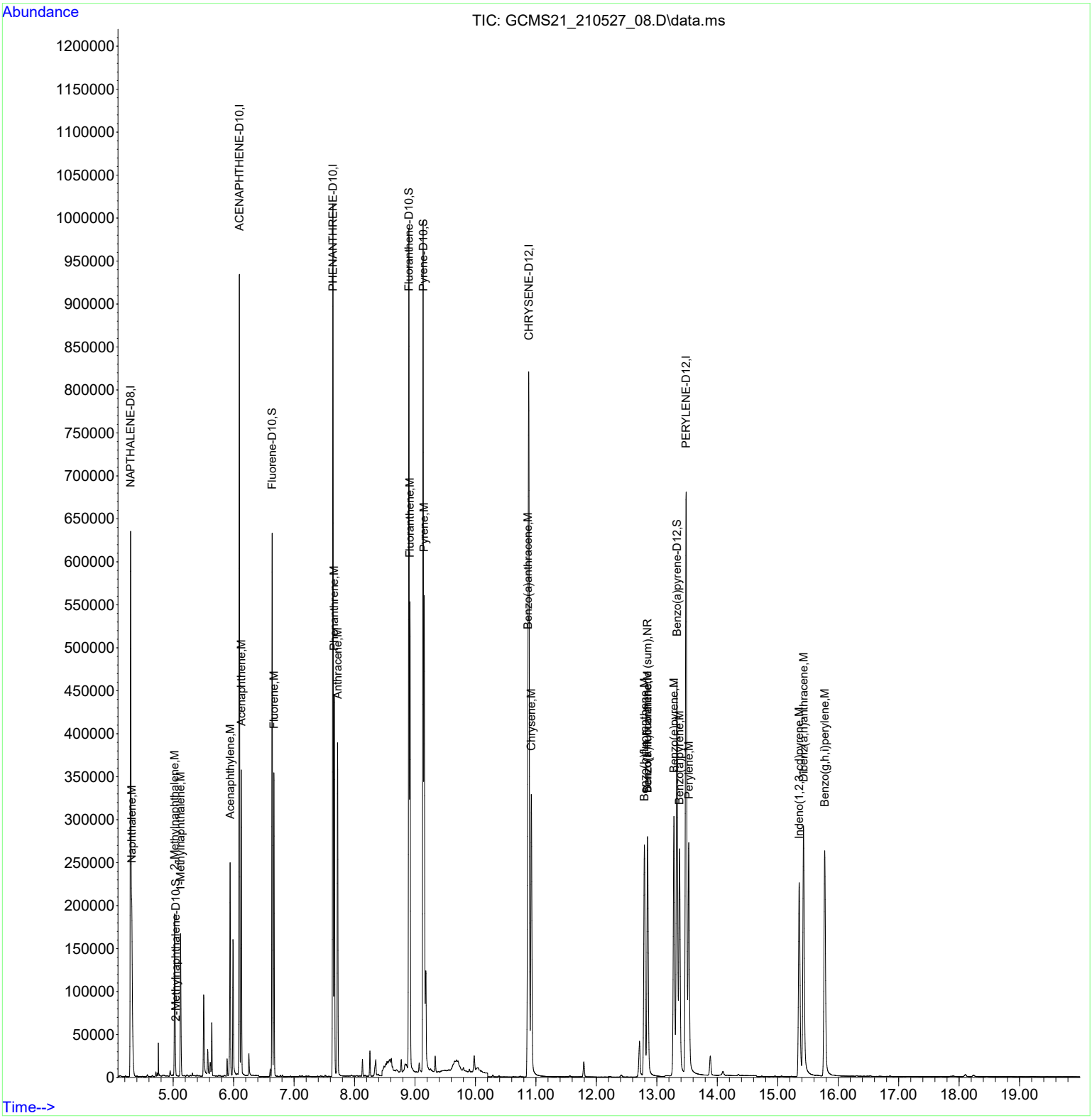
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.296	136	621863	500.00	ng/mL	-0.01
6) ACENAPHTHENE-D10	6.096	164	361178	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	715975	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	761121	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	742551	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.042	152	123	0.16	ng/mL	0.04
9) Fluorene-D10	6.637	176	235918	272.83	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	594305	383.35	ng/mL	0.00
17) Pyrene-D10	9.135	212	626600	360.83	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	510782	423.38	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.316	128	100426	84.17	ng/mL	99
4) 2-Methylnaphthalene	5.025	142	76195	86.71	ng/mL	100
5) 1-Methylnaphthalene	5.124	142	66799	91.26	ng/mL	99
7) Acenaphthylene	5.942	152	126101	105.19	ng/mL	98
8) Acenaphthene	6.126	153	95938	104.55	ng/mL	96
10) Fluorene	6.666	166	131673	129.64	ng/mL	100
12) Phenanthrene	7.665	178	259657	150.27	ng/mL	100
13) Anthracene	7.719	178	233771	162.70	ng/mL	99
15) Fluoranthene	8.916	202	320814	175.91	ng/mL	97
18) Pyrene	9.153	202	333991	164.65	ng/mL	98
19) Benzo(a)anthracene	10.868	228	291381	190.33	ng/mL	99
20) Chrysene	10.923	228	313071	165.64	ng/mL	99
22) Benzo(b)fluoranthene	12.794	252	328277	212.98	ng/mL	99
23) Benzo(k)fluoranthene	12.847	252	349166	204.40	ng/mL	100
24) benzo(b+k)fluoranthene...	12.847	252	351986	210.17	ng/mL	99
25) Benzo(e)pyrene	13.283	252	324863	208.96	ng/mL	99
27) Benzo(a)pyrene	13.377	252	287218	204.18	ng/mL	99
28) Perylene	13.529	252	272602	172.55	ng/mL	99
29) Indeno(1,2,3-cd)pyrene	15.356	276	274222	227.81	ng/mL	99
30) Dibenz(a,h)anthracene	15.426	278	300264	250.28	ng/mL	91
31) Benzo(g,h,i)perylene	15.778	276	320931	205.20	ng/mL	100

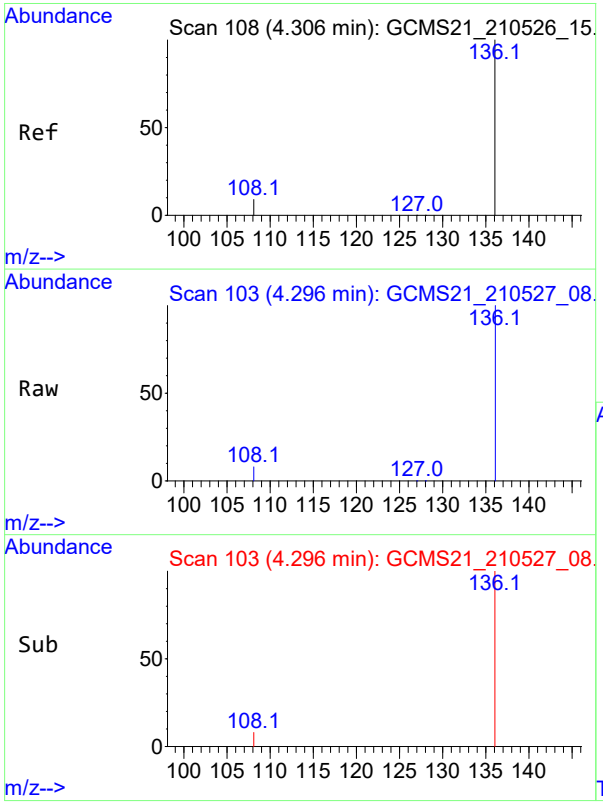
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_08.D
Acq On : 27 May 2021 15:00
Operator : MN GCMS21
Sample : B21E006-BSD1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 11:29:47 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

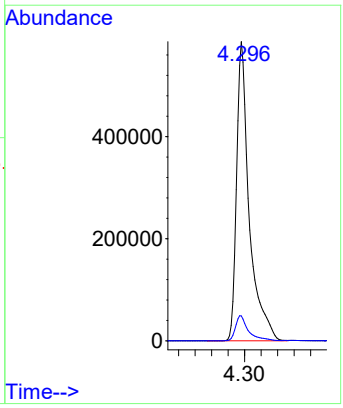


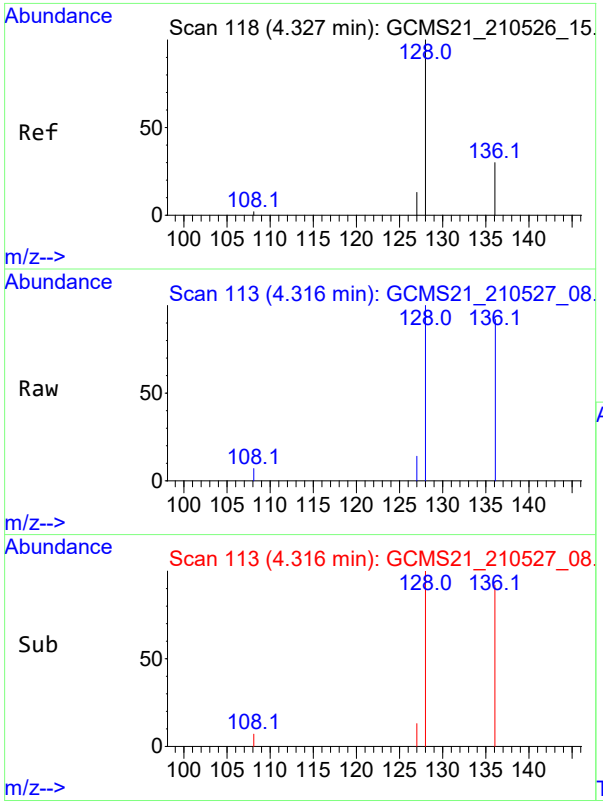


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.296 min Scan# 103
Delta R.T. -0.010 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:136 Resp: 621863

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

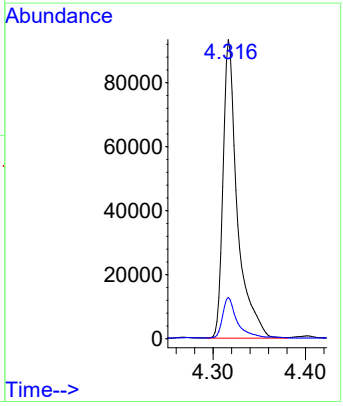


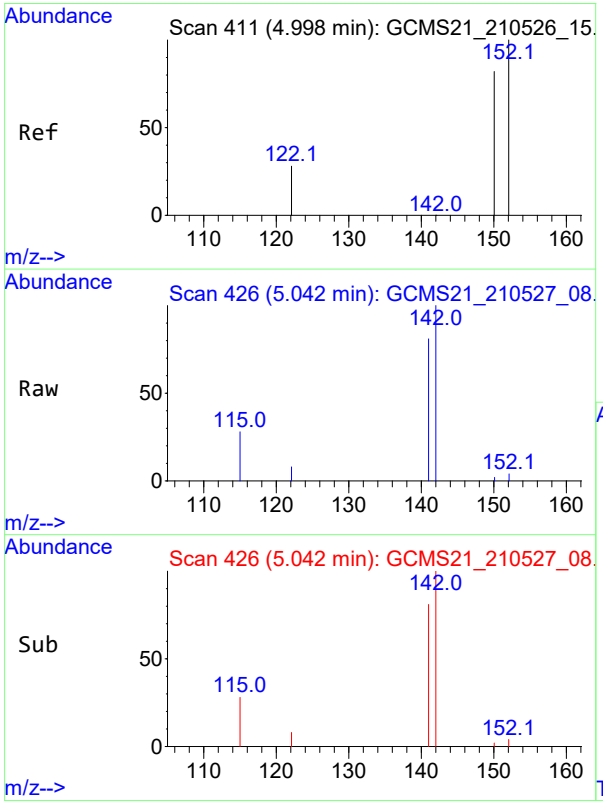


#2
Naphthalene
Concen: 84.17 ng/mL
RT: 4.316 min Scan# 113
Delta R.T. -0.010 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:128 Resp: 100426

Ion	Ratio	Lower	Upper
128	100		
127	13.7	0.0	43.3

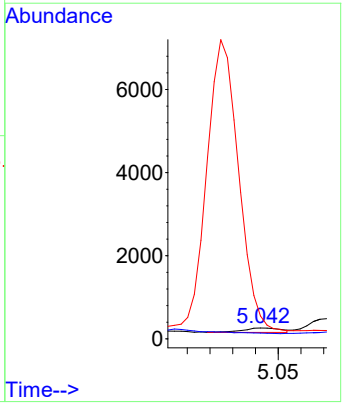


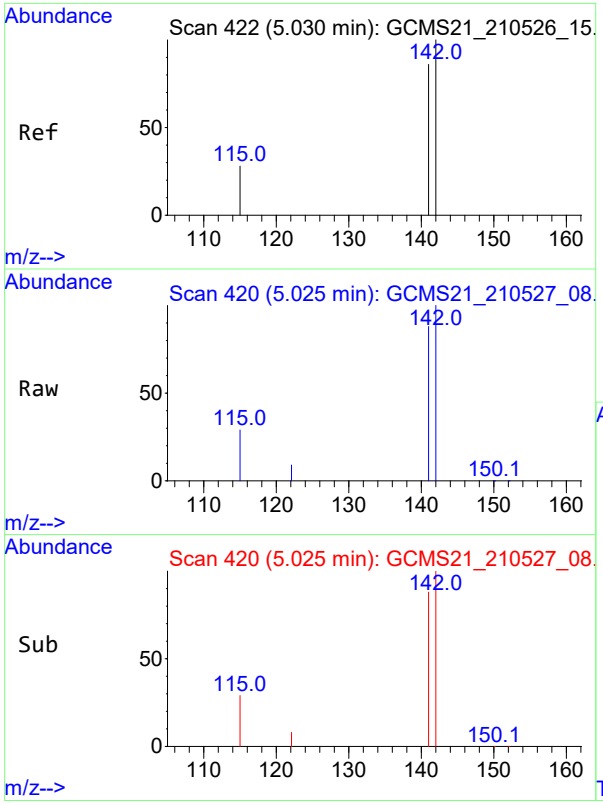


#3
2-Methylnaphthalene-D10
Concen: 0.16 ng/mL
RT: 5.042 min Scan# 426
Delta R.T. 0.044 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:152 Resp: 123

Ion	Ratio	Lower	Upper
152	100		
150	152.8	52.3	112.3#
122	5645.5	0.0	57.5#

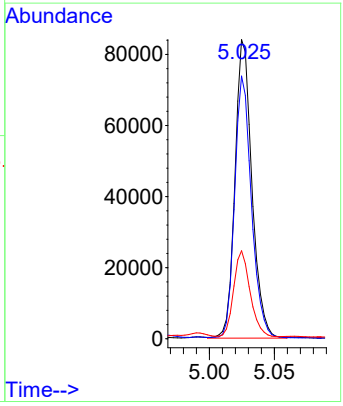


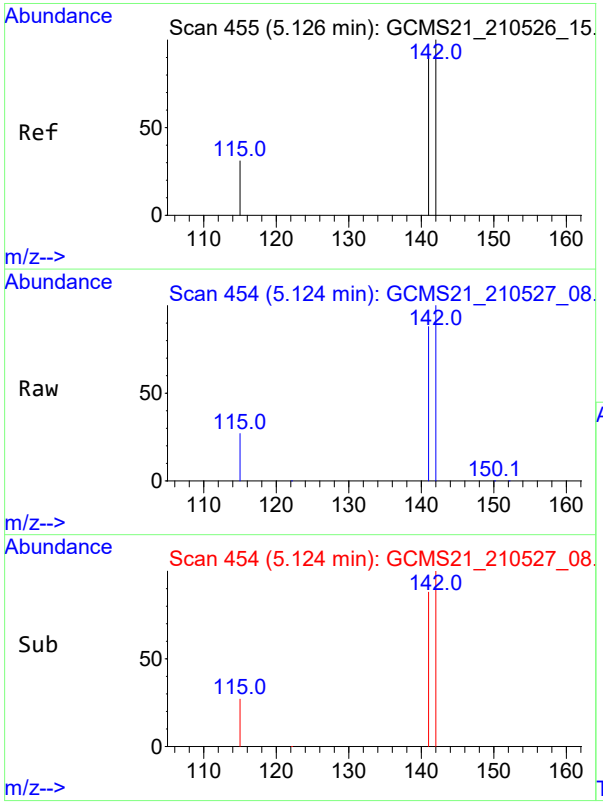


#4
2-Methylnaphthalene
Concen: 86.71 ng/mL
RT: 5.025 min Scan# 420
Delta R.T. -0.006 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:142 Resp: 76195

Ion	Ratio	Lower	Upper
142	100		
141	86.4	56.3	116.3
115	27.7	0.0	57.4

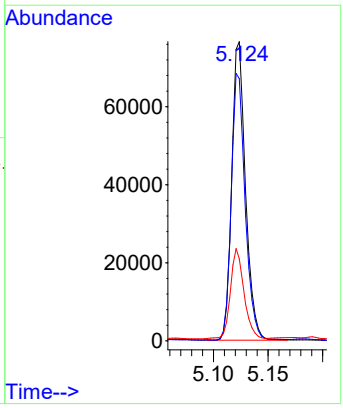


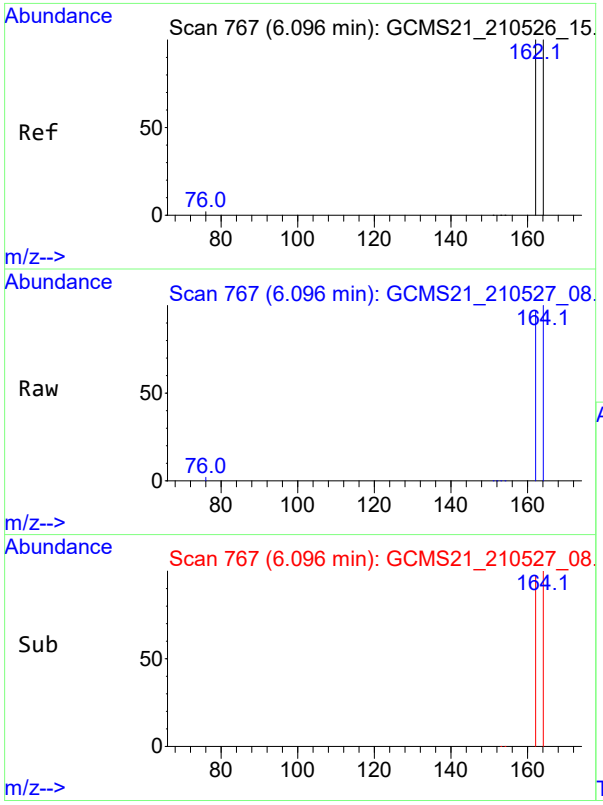


#5
1-Methylnaphthalene
Concen: 91.26 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:142 Resp: 66799

Ion	Ratio	Lower	Upper
142	100		
141	90.0	61.5	121.5
115	29.9	0.2	60.2

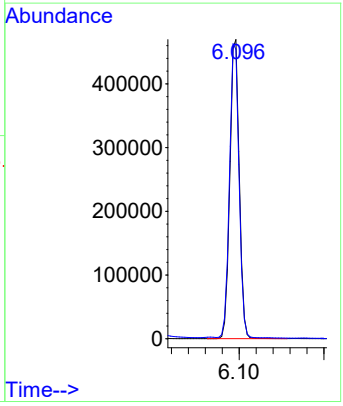


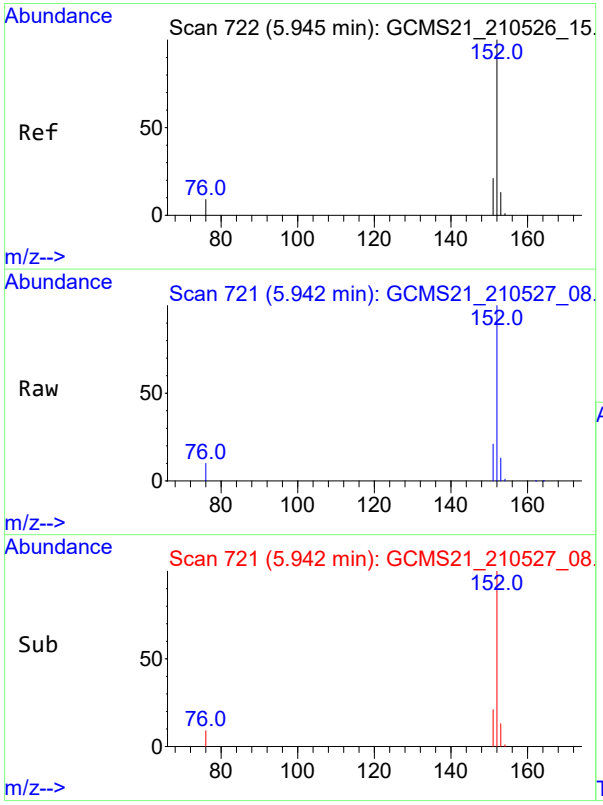


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:164 Resp: 361178

Ion	Ratio	Lower	Upper
164	100		
162	100.6	77.7	117.7

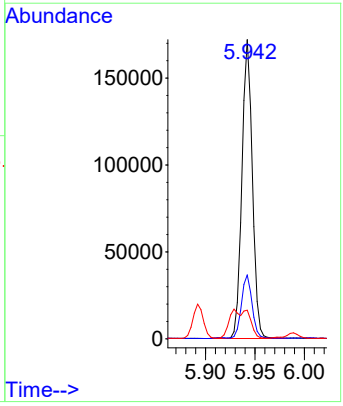


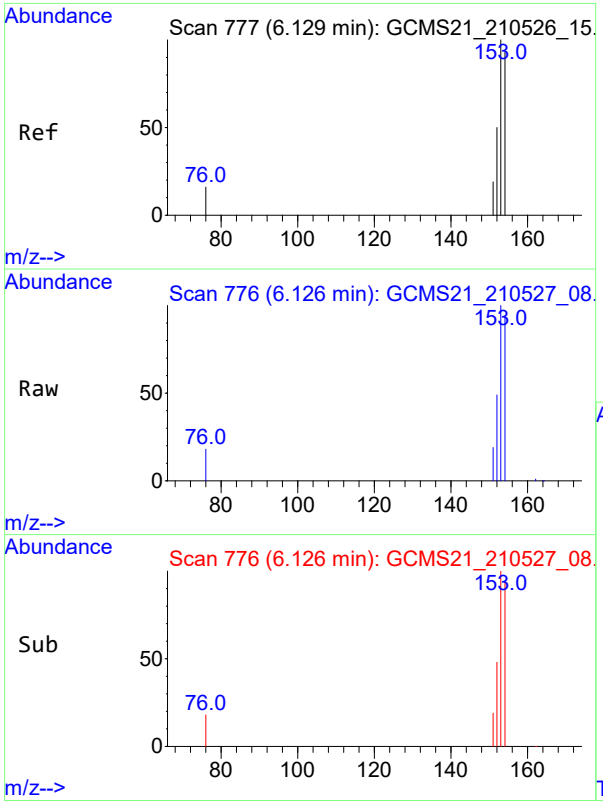


#7
Acenaphthylene
Concen: 105.19 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:152 Resp: 126101

Ion	Ratio	Lower	Upper
152	100		
151	21.6	0.0	52.0
76	8.0	0.0	39.5

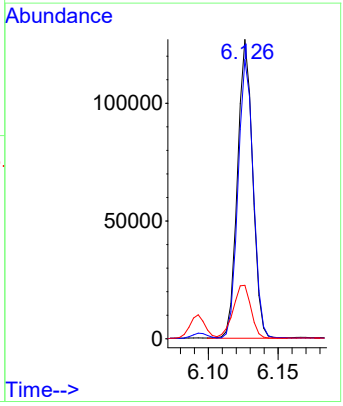


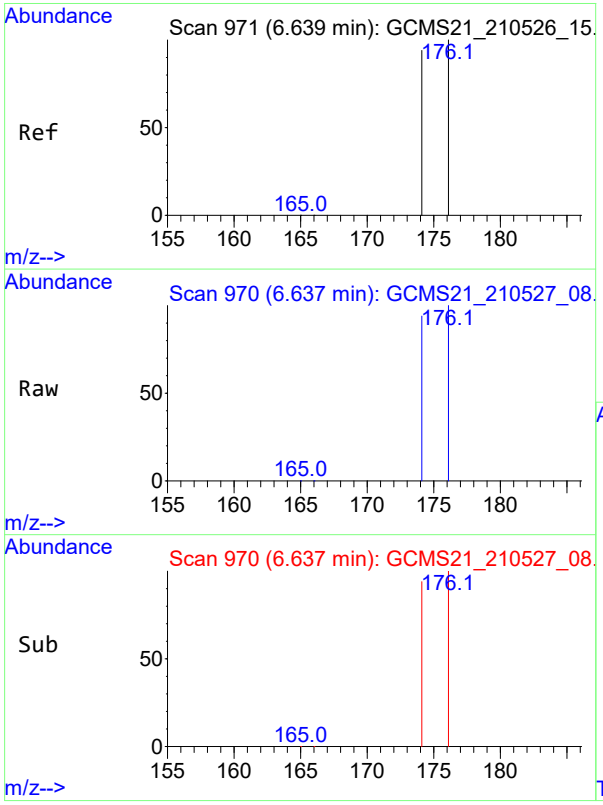


#8
Acenaphthene
Concen: 104.55 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:153 Resp: 95938

Ion	Ratio	Lower	Upper
153	100		
154	93.6	60.4	120.4
76	20.8	0.0	47.4

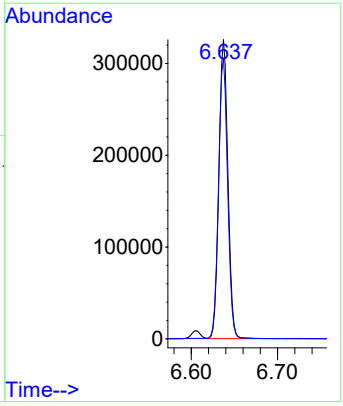


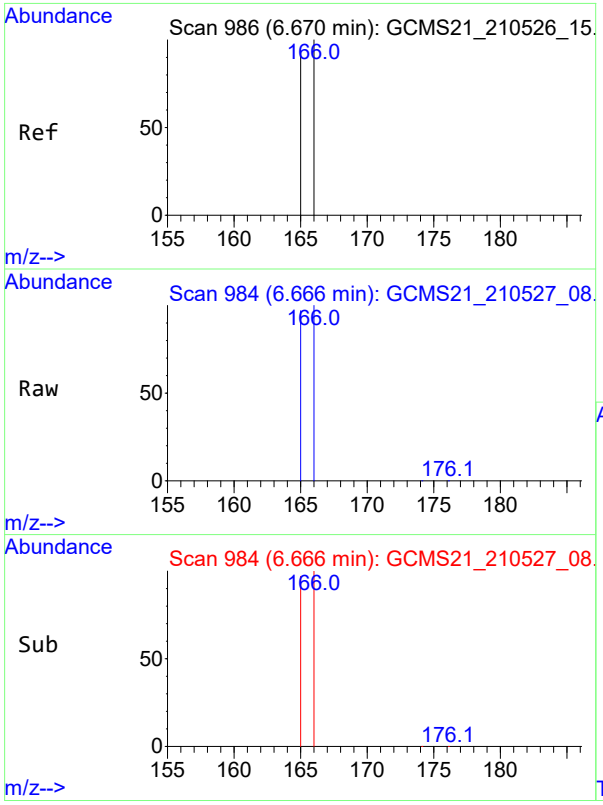


#9
Fluorene-D10
Concen: 272.83 ng/mL
RT: 6.637 min Scan# 970
Delta R.T. -0.002 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:176 Resp: 235918

Ion	Ratio	Lower	Upper
176	100		
174	94.9	63.9	123.9

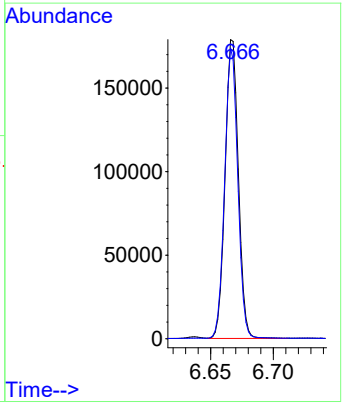


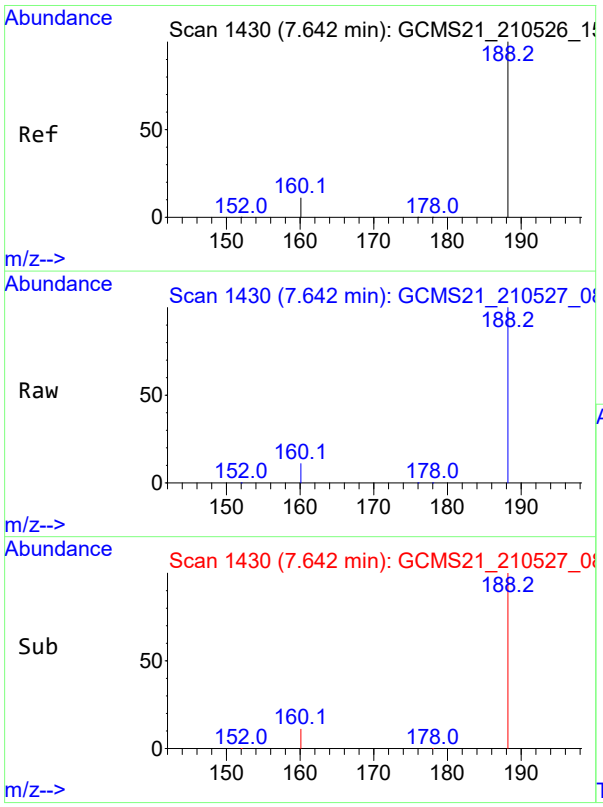


#10
Fluorene
Concen: 129.64 ng/mL
RT: 6.666 min Scan# 984
Delta R.T. -0.004 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:166 Resp: 131673

Ion	Ratio	Lower	Upper
166	100		
165	95.5	65.1	125.1

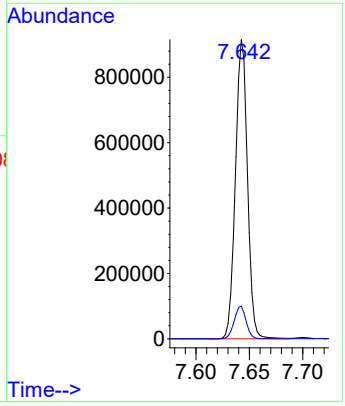


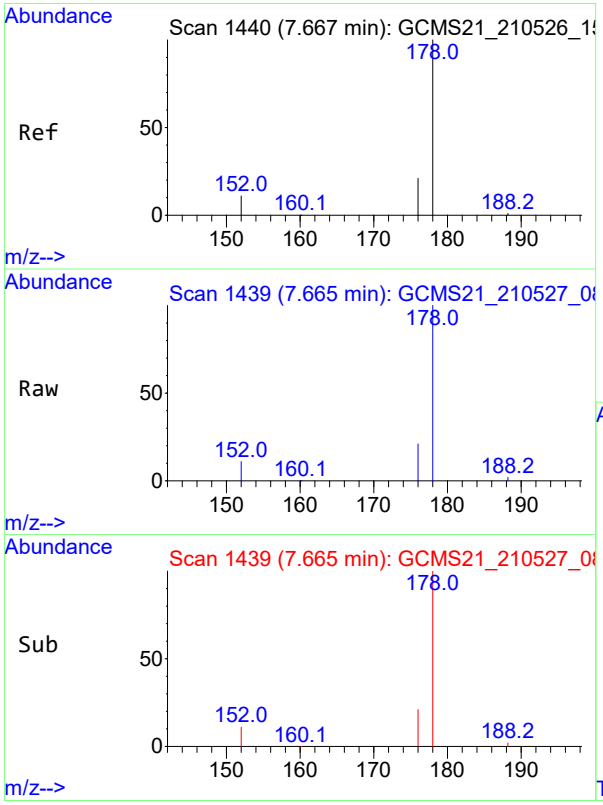


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:188 Resp: 715975

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	39.8

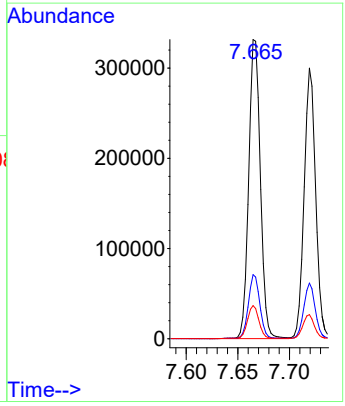


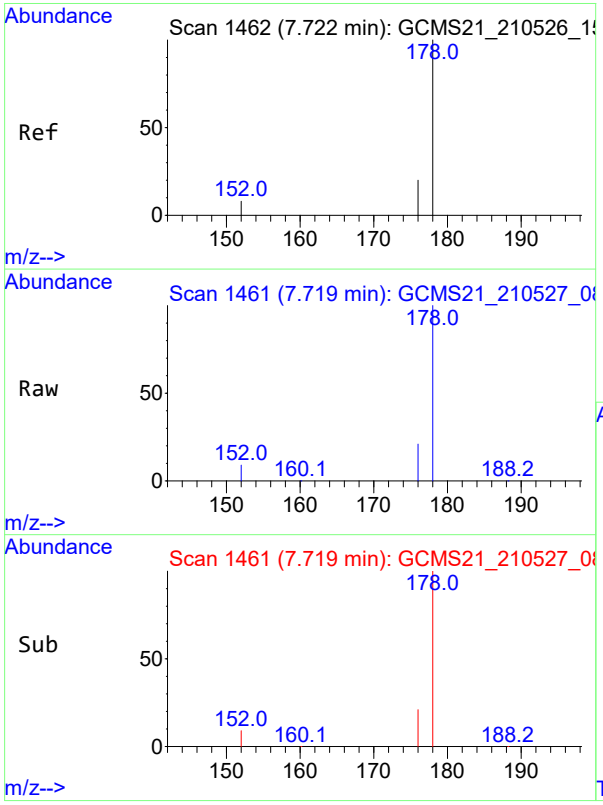


#12
Phenanthrene
Concen: 150.27 ng/mL
RT: 7.665 min Scan# 1439
Delta R.T. -0.002 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:178 Resp: 259657

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	10.7	0.0	40.5

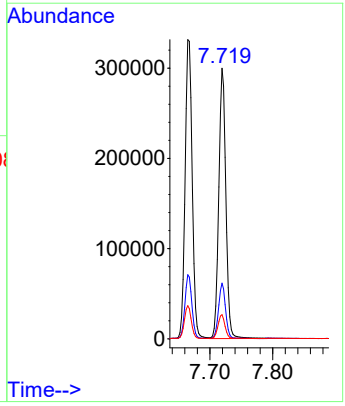


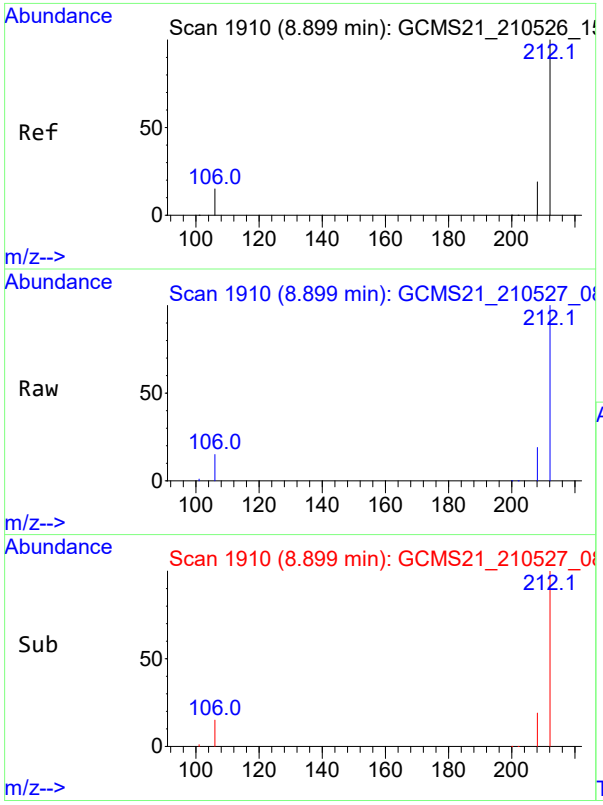


#13
Anthracene
Concen: 162.70 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:178 Resp: 233771

Ion	Ratio	Lower	Upper
178	100		
176	20.2	0.0	50.2
152	8.8	0.0	38.2

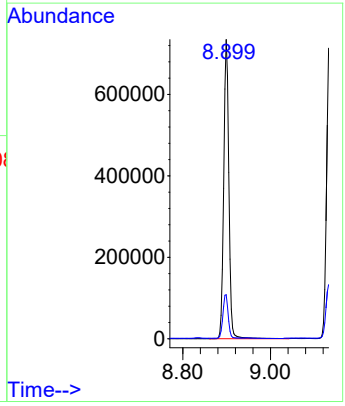


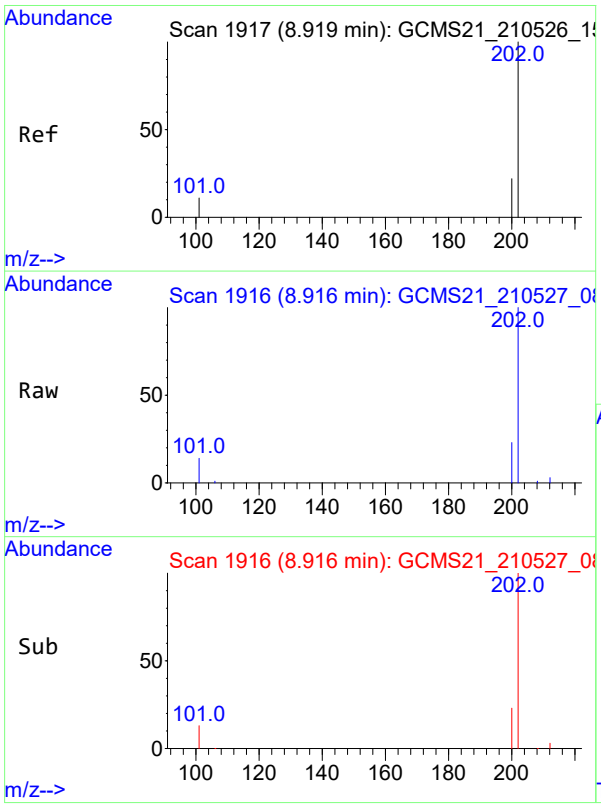


#14
Fluoranthene-D10
Concen: 383.35 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:212 Resp: 594305

Ion	Ratio	Lower	Upper
212	100		
106	15.2	0.0	44.9

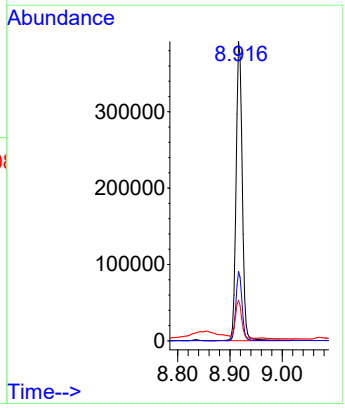


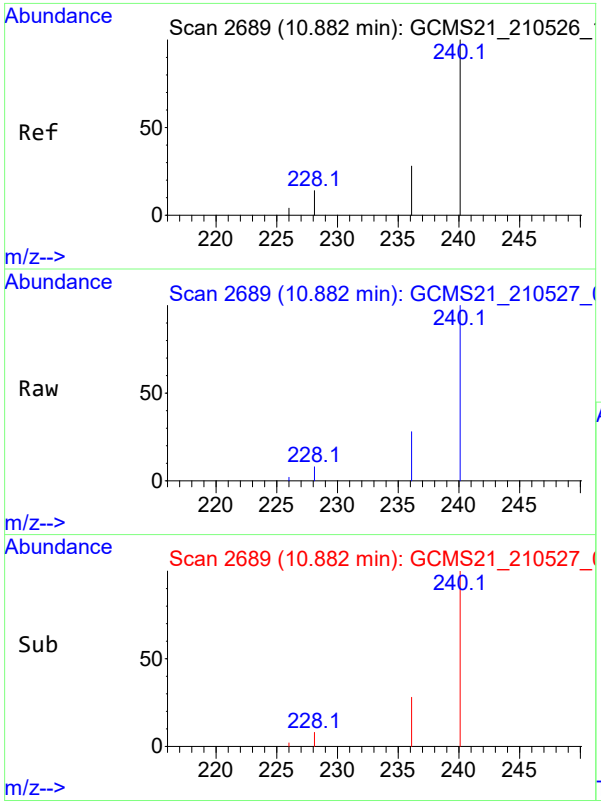


#15
Fluoranthene
Concen: 175.91 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:202 Resp: 320814

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	52.4
101	13.2	0.0	41.1

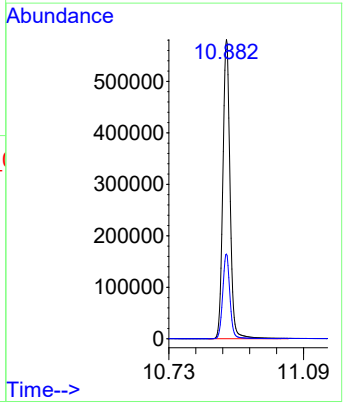


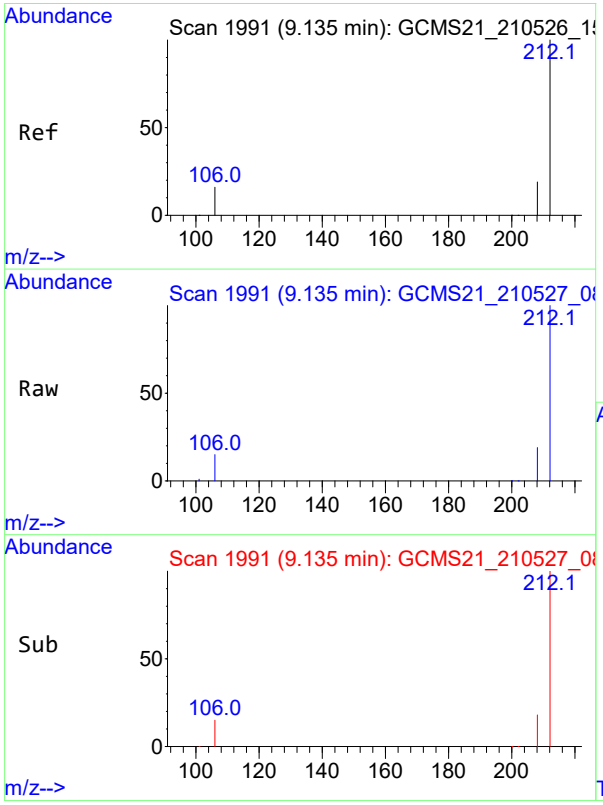


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:240 Resp: 761121

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.6

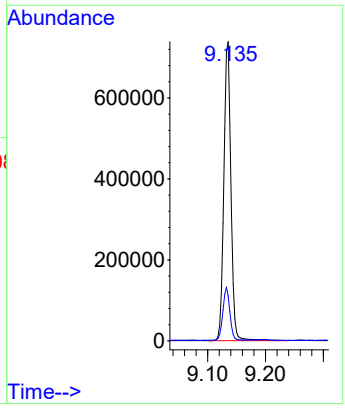


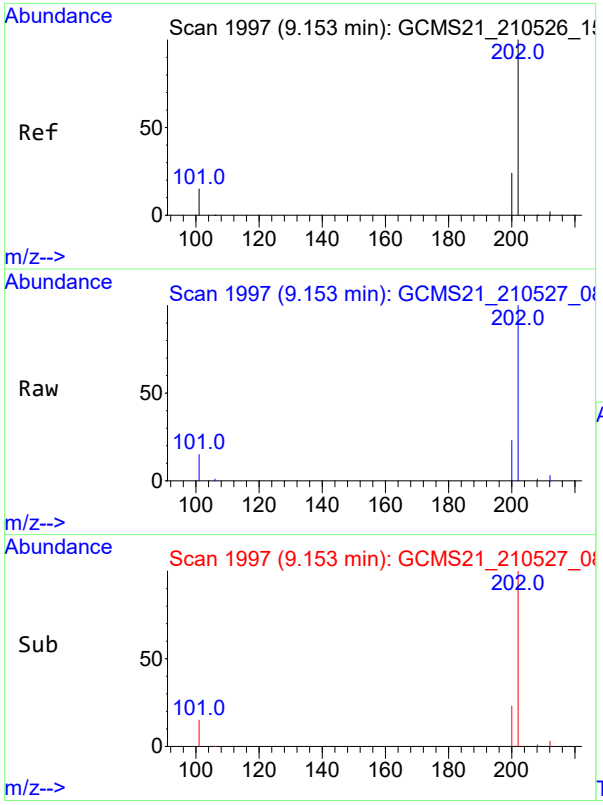


#17
Pyrene-D10
Concen: 360.83 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:212 Resp: 626600

Ion	Ratio	Lower	Upper
212	100		
106	17.4	0.0	46.2

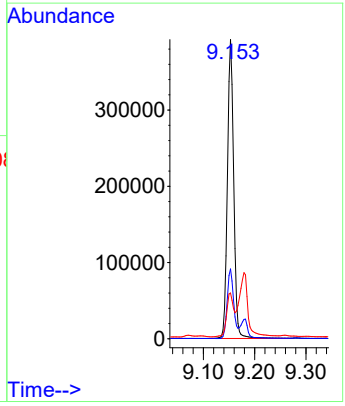


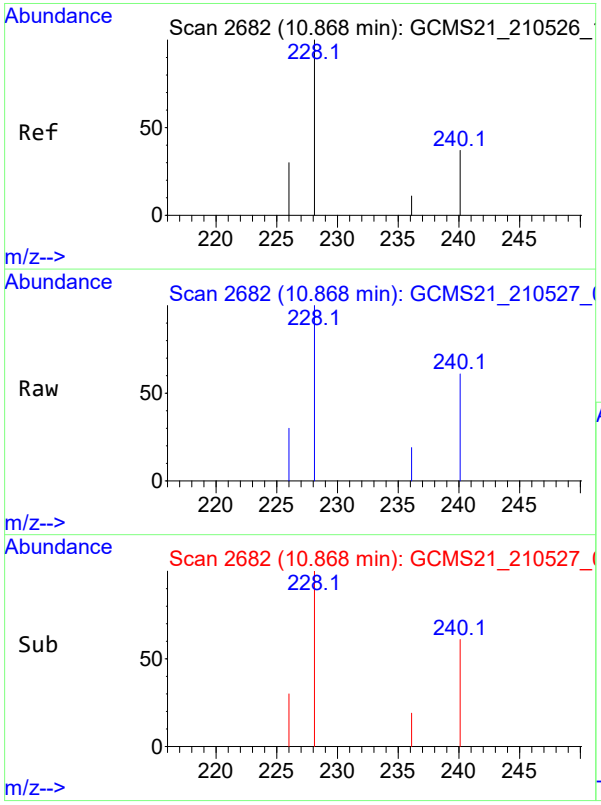


#18
Pyrene
Concen: 164.65 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:202 Resp: 333991

Ion	Ratio	Lower	Upper
202	100		
200	24.0	0.0	53.9
101	16.5	0.0	44.5

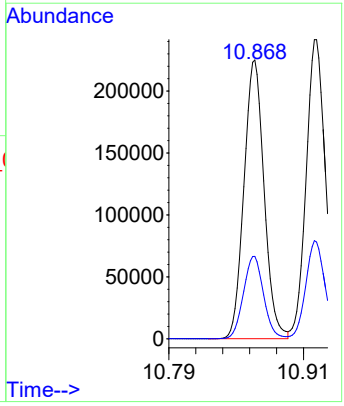


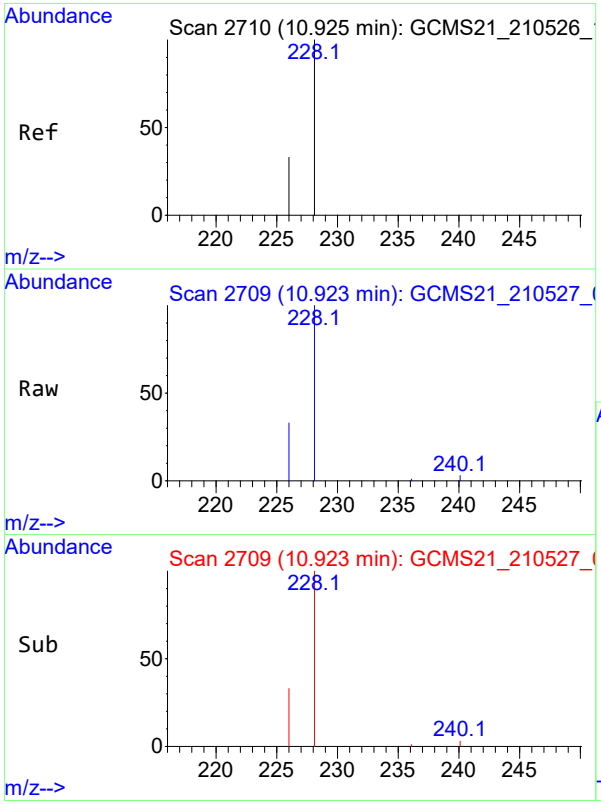


#19
Benzo(a)anthracene
Concen: 190.33 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:228 Resp: 291381

Ion	Ratio	Lower	Upper
228	100		
226	29.5	0.0	59.8

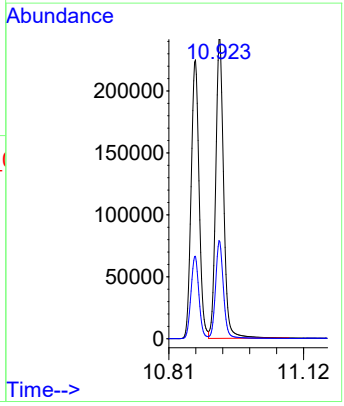


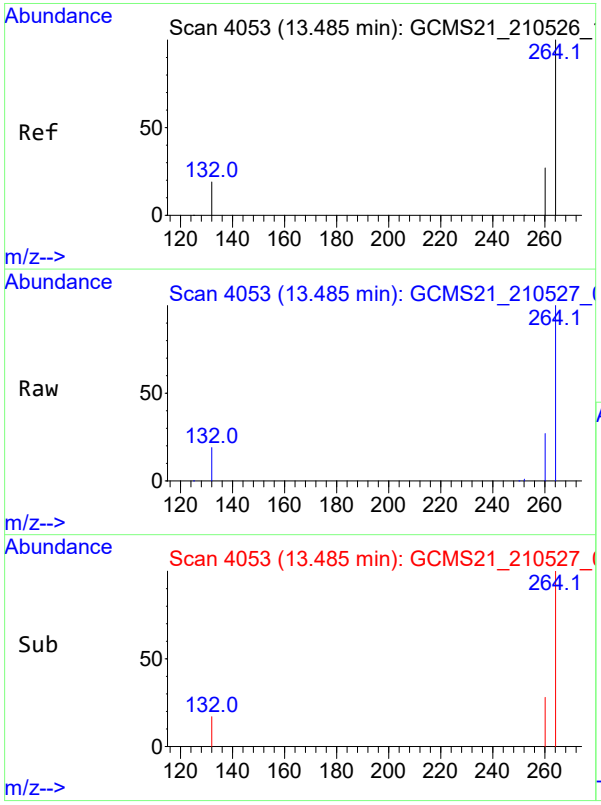


#20
Chrysene
Concen: 165.64 ng/mL
RT: 10.923 min Scan# 2709
Delta R.T. -0.002 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:228 Resp: 313071

Ion	Ratio	Lower	Upper
228	100		
226	32.4	2.8	62.8

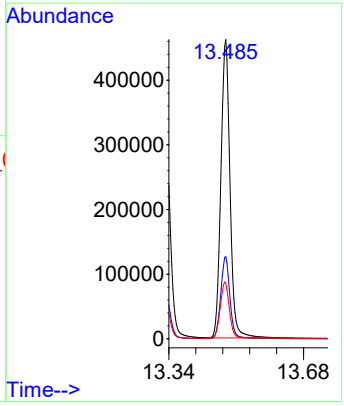


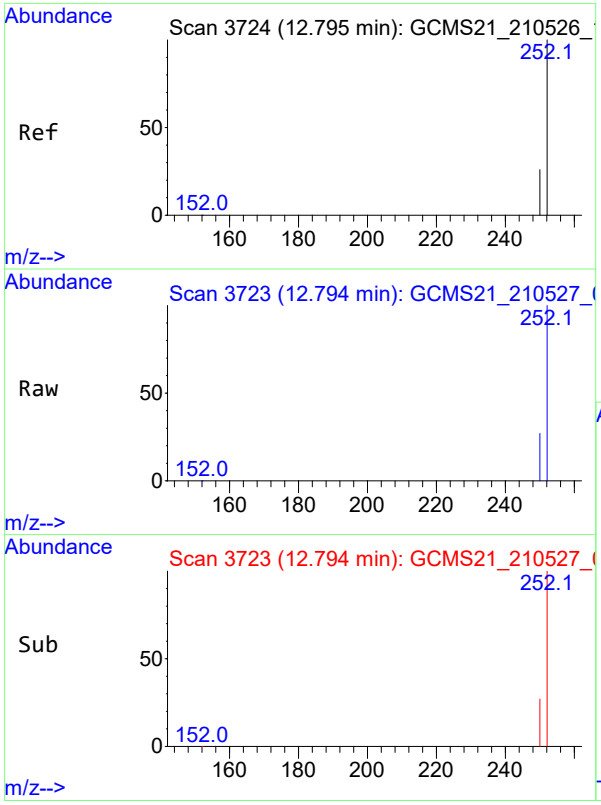


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:264 Resp: 742551

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.1	0.0	49.5

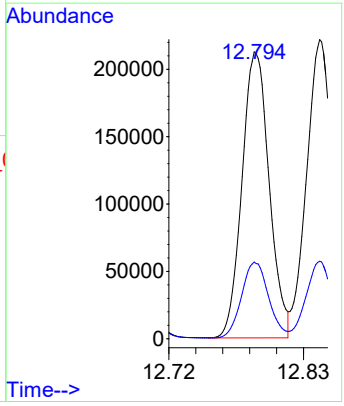


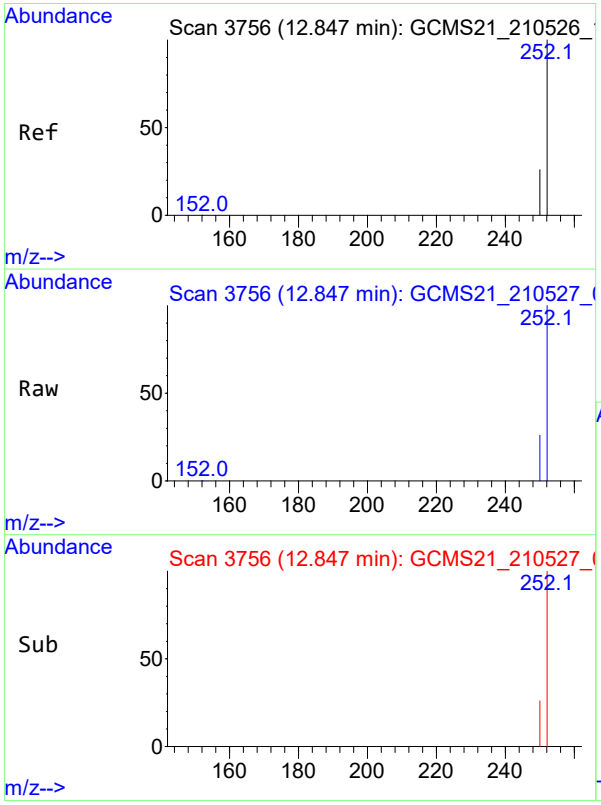


#22
Benzo(b)fluoranthene
Concen: 212.98 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. -0.001 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 328277

Ion	Ratio	Lower	Upper
252	100		
250	26.7	0.0	56.2

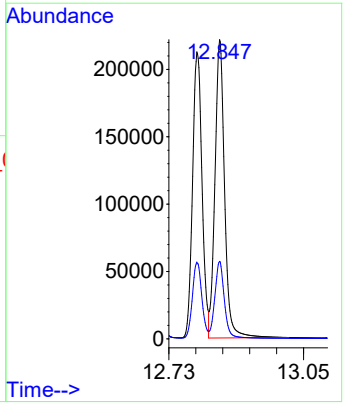


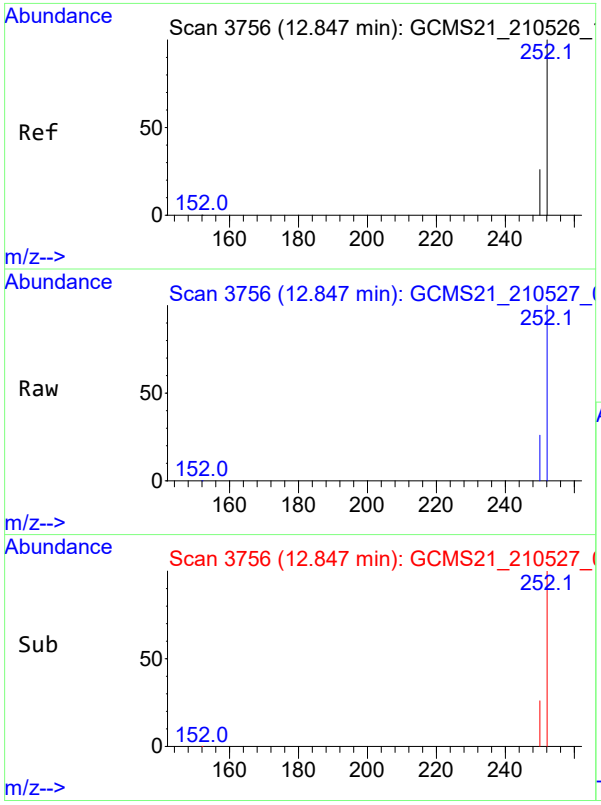


#23
Benzo(k)fluoranthene
Concen: 204.40 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 349166

Ion	Ratio	Lower	Upper
252	100		
250	25.4	0.0	55.6

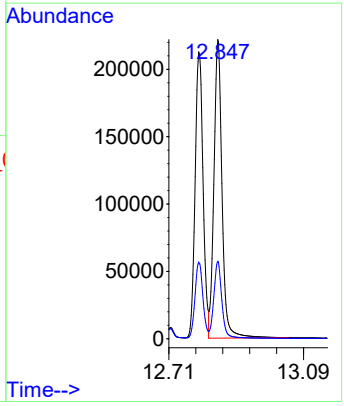


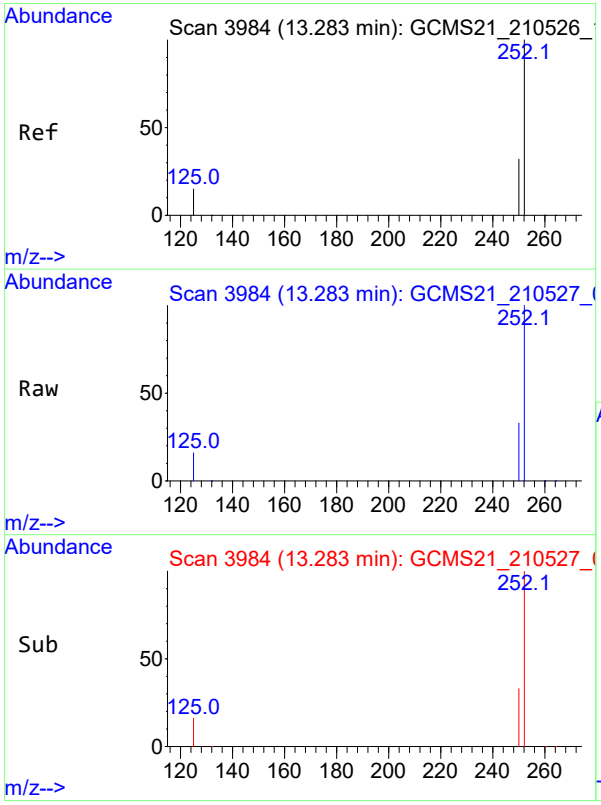


#24
benzo(b+k)fluoranthene (sum)
Concen: 210.17 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 351986

Ion	Ratio	Lower	Upper
252	100		
250	25.3	0.0	55.6

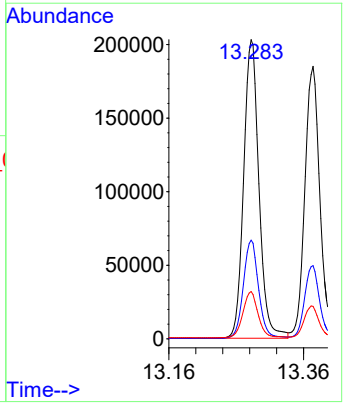


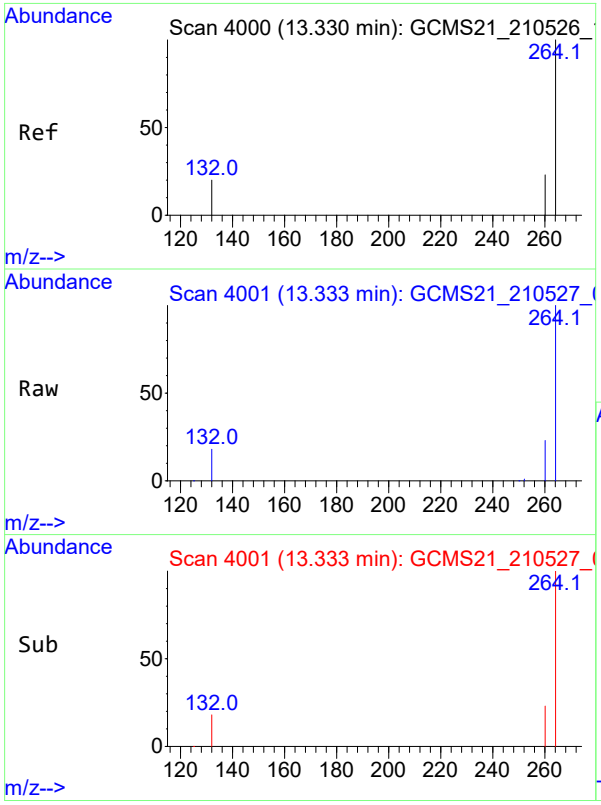


#25
Benzo(e)pyrene
Concen: 208.96 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 324863

Ion	Ratio	Lower	Upper
252	100		
250	33.0	2.2	62.2
125	15.6	0.0	45.4

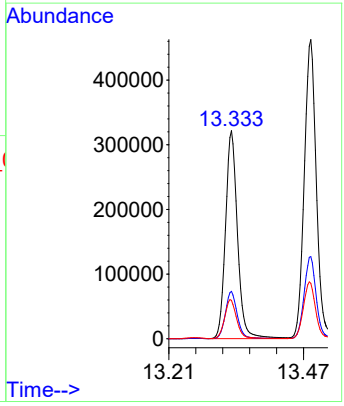


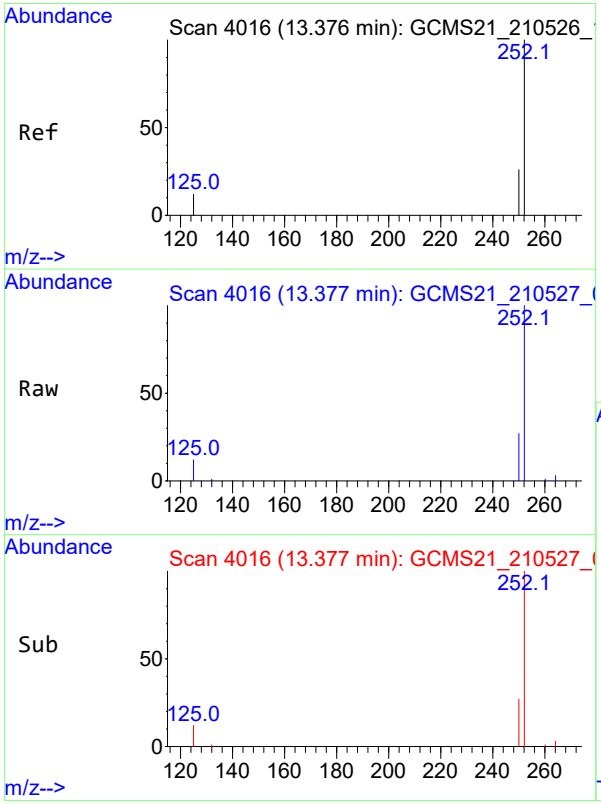


#26
Benzo(a)pyrene-D12
Concen: 423.38 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:264 Resp: 510782

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.7	0.0	49.7

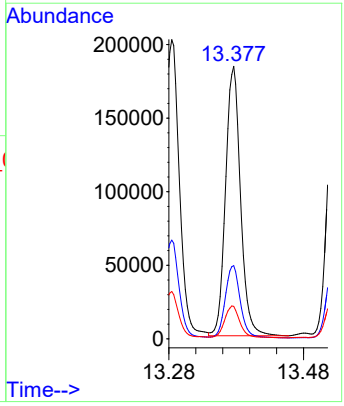


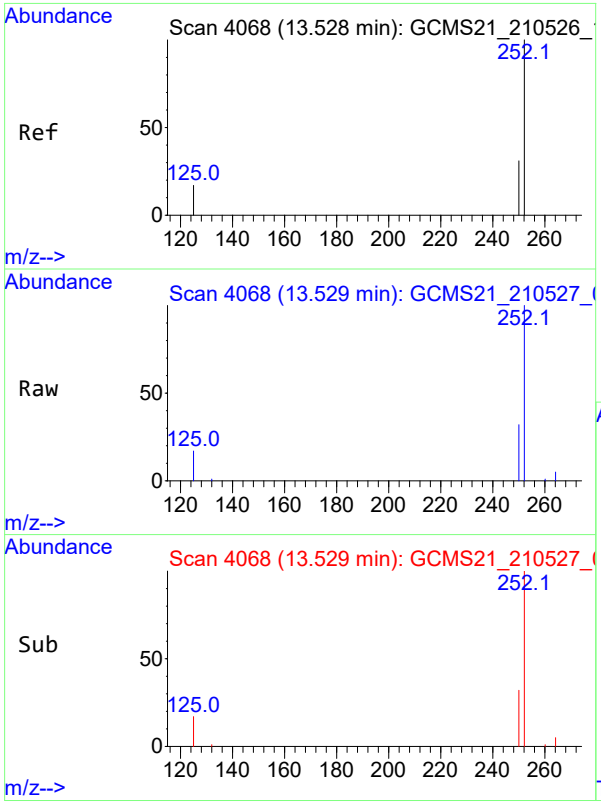


#27
Benzo(a)pyrene
Concen: 204.18 ng/mL
RT: 13.377 min Scan# 4016
Delta R.T. 0.001 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 287218

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.4
125	11.8	0.0	41.7

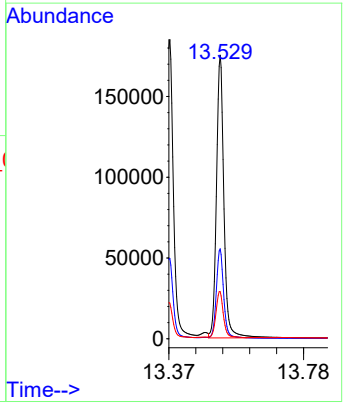


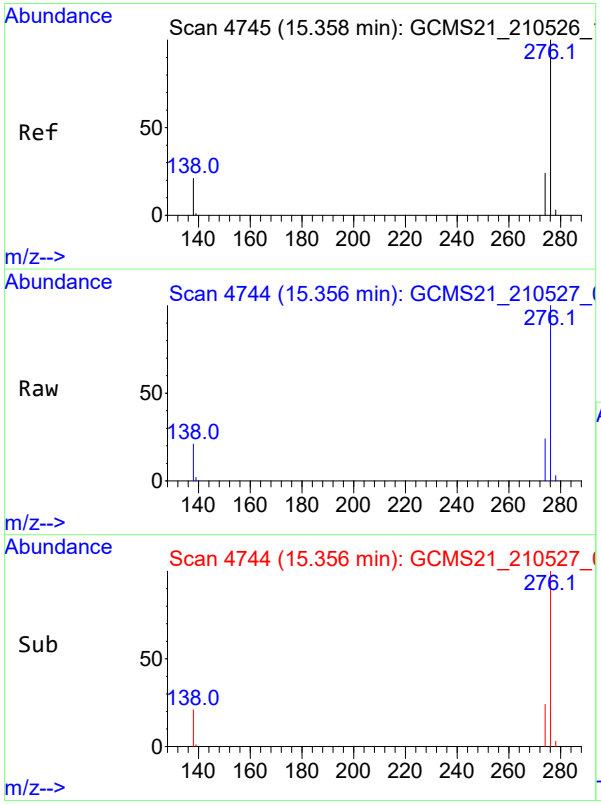


#28
Perylene
Concen: 172.55 ng/mL
RT: 13.529 min Scan# 4068
Delta R.T. 0.001 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:252 Resp: 272602

Ion	Ratio	Lower	Upper
252	100		
250	31.2	1.5	61.5
125	16.1	0.0	46.6

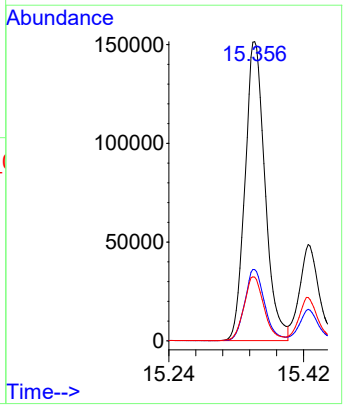


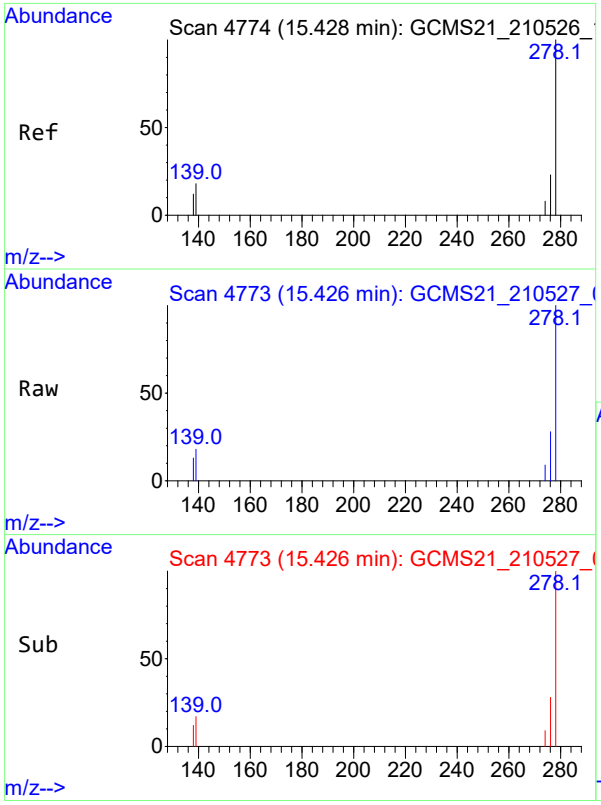


#29
Indeno(1,2,3-cd)pyrene
Concen: 227.81 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. -0.002 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:276 Resp: 274222

Ion	Ratio	Lower	Upper
276	100		
274	23.7	0.0	53.8
138	21.2	0.0	50.7

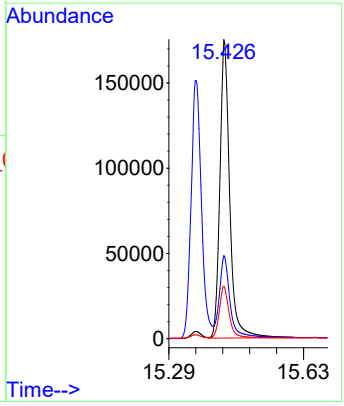


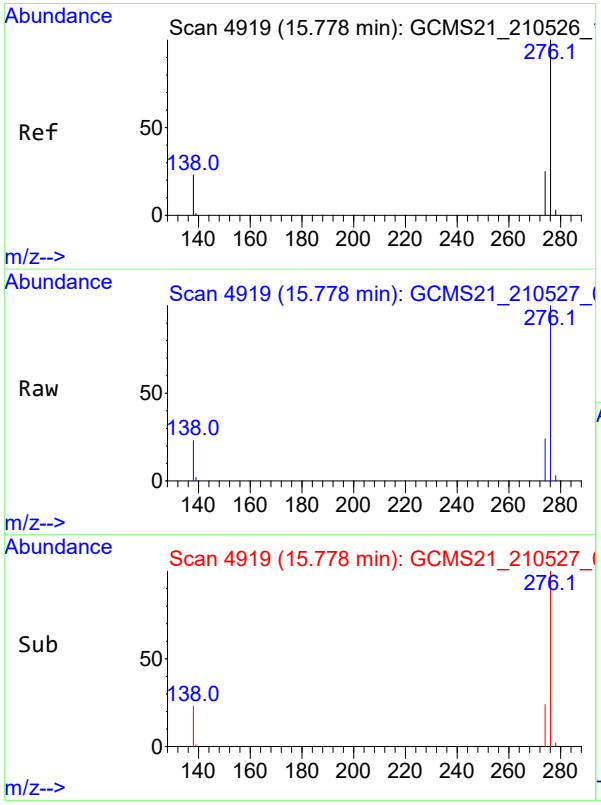


#30
Dibenz(a,h)anthracene
Concen: 250.28 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. -0.002 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:278 Resp: 300264

Ion	Ratio	Lower	Upper
278	100		
276	30.4	0.0	52.8
139	17.3	0.0	47.6

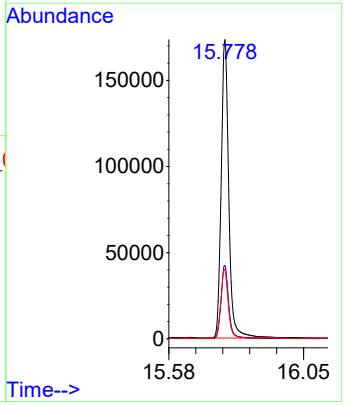




#31
Benzo(g,h,i)perylene
Concen: 205.20 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. -0.000 min
Lab File: GCMS21_210527_08.D
Acq: 27 May 2021 15:00

Tgt Ion:276 Resp: 320931

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.8
138	23.0	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_06.D
Acq On : 27 May 2021 12:24
Operator : MN GCMS21
Sample : B21E006-MRL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:29:08 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

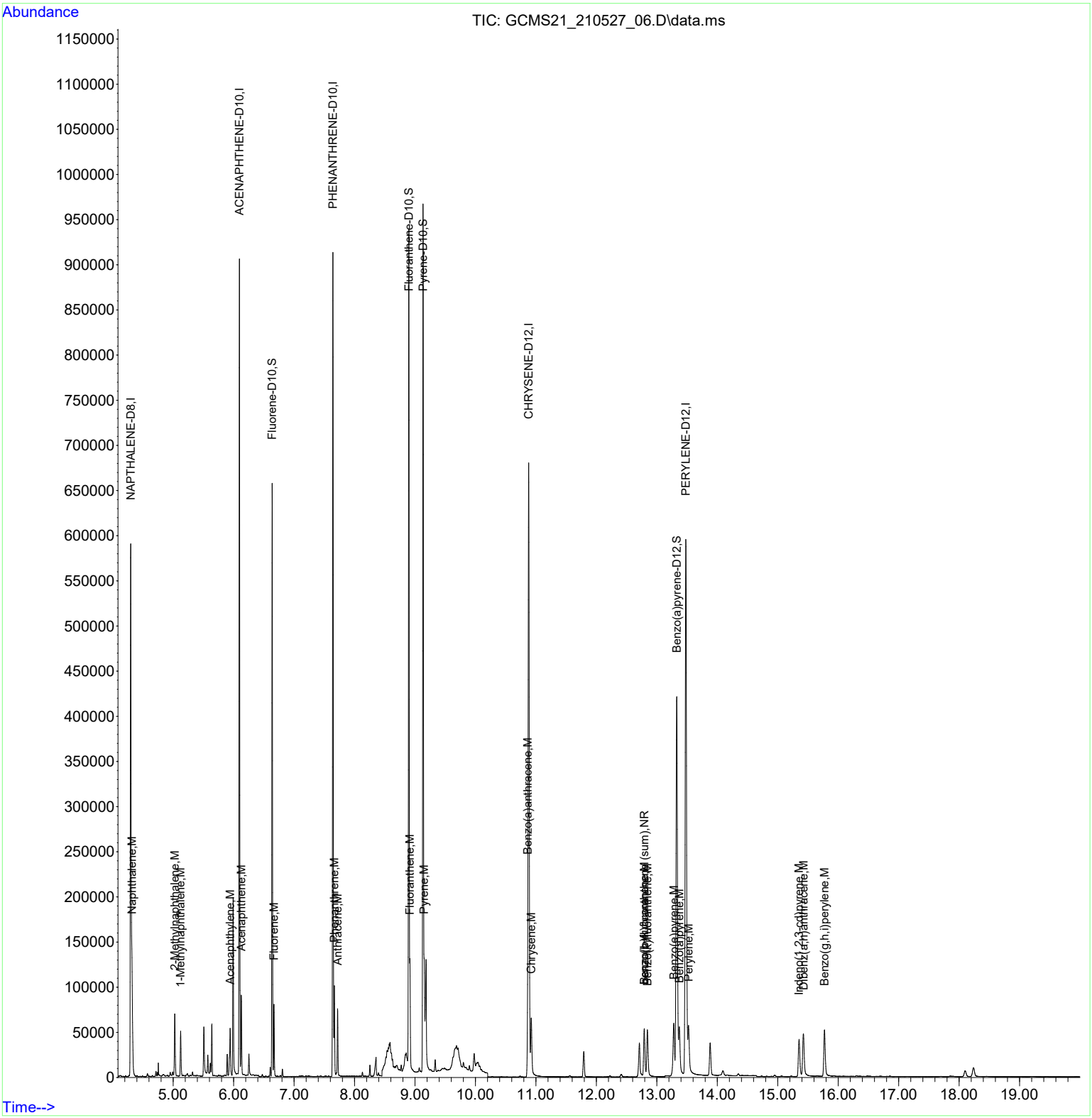
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) NAPTHALENE-D8	4.298	136	567934	500.00	ng/mL	0.00	
6) ACENAPHTHENE-D10	6.096	164	333555	500.00	ng/mL	0.00	
11) PHENANTHRENE-D10	7.642	188	651805	500.00	ng/mL	0.00	
16) CHRYSENE-D12	10.880	240	671403	500.00	ng/mL	0.00	
21) PERYLENE-D12	13.479	264	633510	500.00	ng/mL	0.00	
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL		
9) Fluorene-D10	6.637	176	249712	312.70	ng/mL	0.00	
14) Fluoranthene-D10	8.899	212	579878	410.87	ng/mL	0.00	
17) Pyrene-D10	9.132	212	622366	406.28	ng/mL	0.00	
26) Benzo(a)pyrene-D12	13.330	264	482260	468.55	ng/mL	0.00	
Target Compounds						Qvalue	
2) Naphthalene	4.318	128	47373	43.47	ng/mL	98	
4) 2-Methylnaphthalene	5.027	142	26538	33.07	ng/mL	100	
5) 1-Methylnaphthalene	5.123	142	19669	29.42	ng/mL	98	
7) Acenaphthylene	5.942	152	27492m	24.83	ng/mL		P, C Qual ion manual integrated 07.01.21 MN
8) Acenaphthene	6.126	153	23842	28.13	ng/mL	94	
10) Fluorene	6.668	166	30033	32.02	ng/mL	100	
12) Phenanthrene	7.667	178	58252	37.03	ng/mL	99	
13) Anthracene	7.719	178	46315	35.41	ng/mL	99	
15) Fluoranthene	8.916	202	67224	40.49	ng/mL	94	
18) Pyrene	9.153	202	69227m	38.69	ng/mL		N, C Qual ion manual integrated 07.01.21 MN
19) Benzo(a)anthracene	10.866	228	56149	41.58	ng/mL	98	
20) Chrysene	10.923	228	59230	35.53	ng/mL	99	
22) Benzo(b)fluoranthene	12.792	252	62397	47.45	ng/mL	98	
23) Benzo(k)fluoranthene	12.844	252	64757	44.43	ng/mL	99	
24) benzo(b+k)fluoranthene...	12.792	252	128182m	89.71	ng/mL		
25) Benzo(e)pyrene	13.280	252	64079	48.31	ng/mL	93	
27) Benzo(a)pyrene	13.373	252	51839	43.19	ng/mL	98	
28) Perylene	13.526	252	49259	36.55	ng/mL	98	
29) Indeno(1,2,3-cd)pyrene	15.353	276	49582	48.28	ng/mL	99	
30) Dibenz(a,h)anthracene	15.426	278	53906	52.67	ng/mL	89	
31) Benzo(g,h,i)perylene	15.773	276	60667	45.47	ng/mL	99	

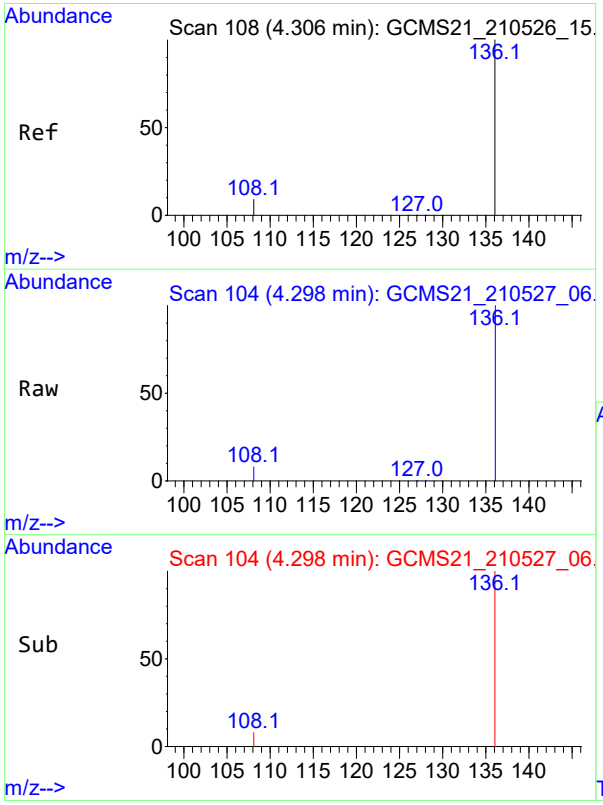
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_06.D
Acq On : 27 May 2021 12:24
Operator : MN GCMS21
Sample : B21E006-MRL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:29:08 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

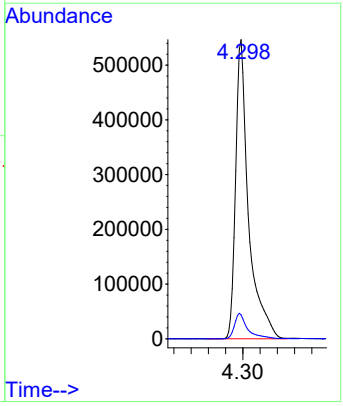


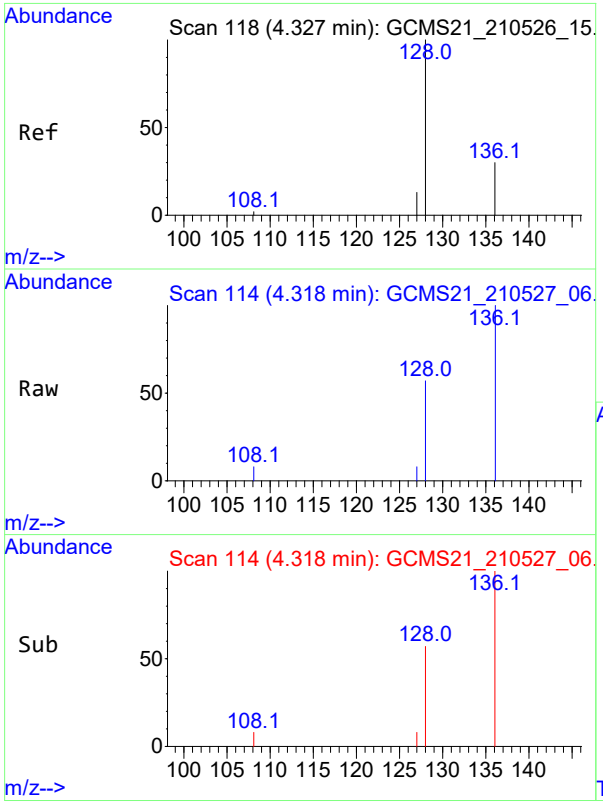


#1
NAPHTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:136 Resp: 567934

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

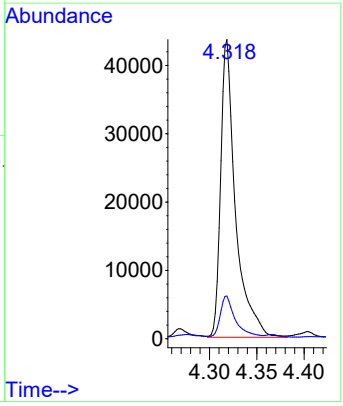


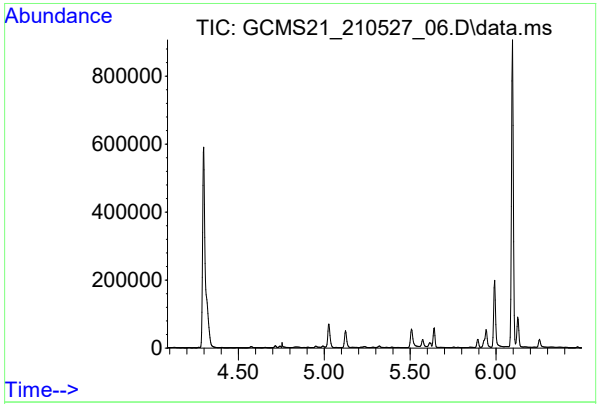


#2
Naphthalene
Concen: 43.47 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:128 Resp: 47373

Ion	Ratio	Lower	Upper
128	100		
127	13.9	0.0	43.3



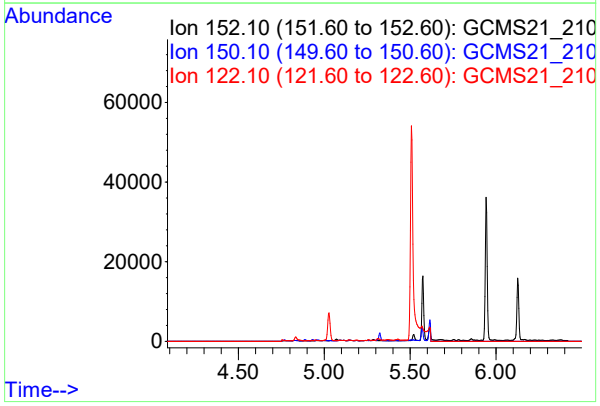


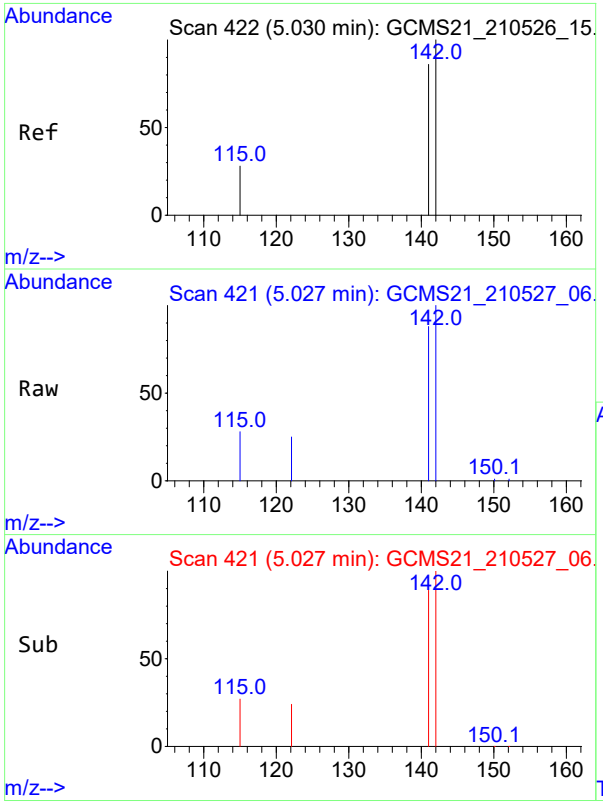
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5

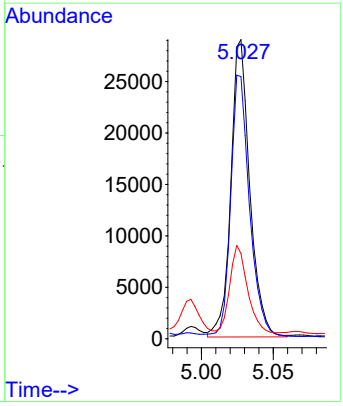


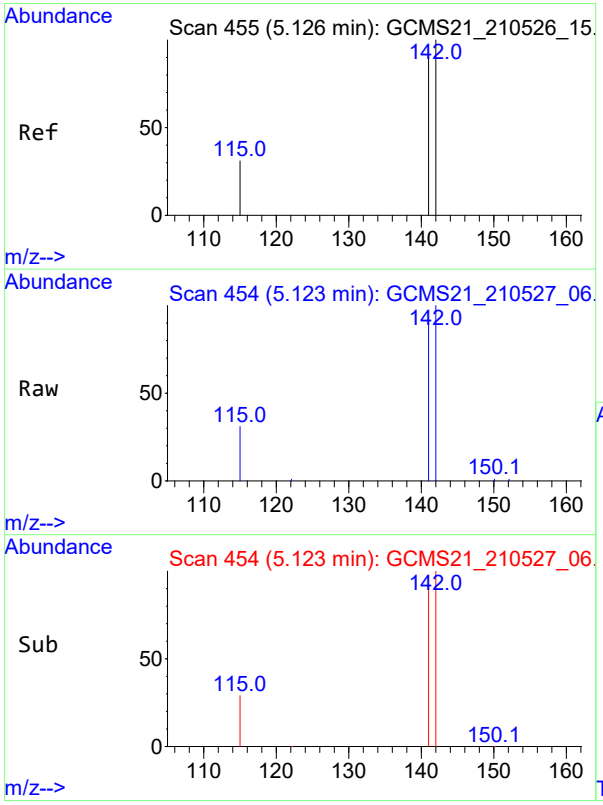


#4
2-Methylnaphthalene
Concen: 33.07 ng/mL
RT: 5.027 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:142 Resp: 26538

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.3	116.3
115	27.2	0.0	57.4

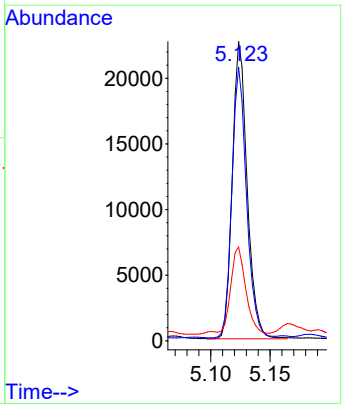


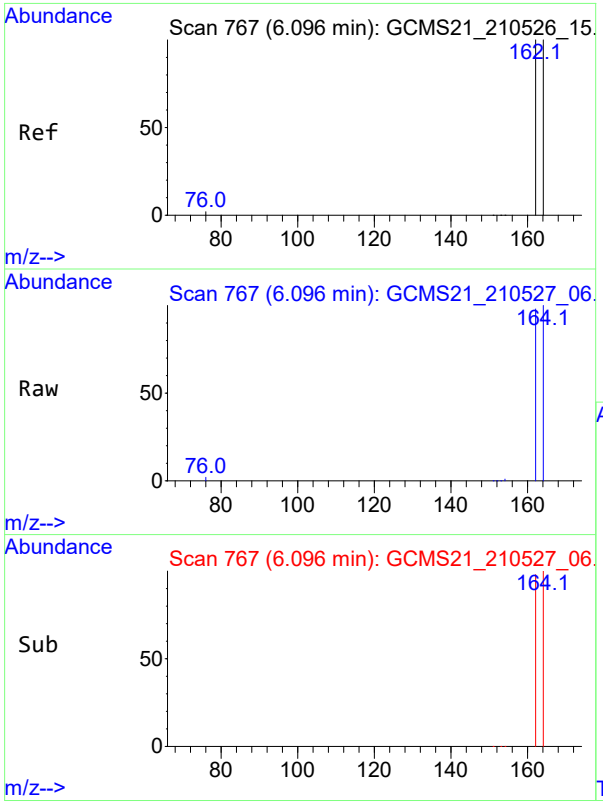


#5
1-Methylnaphthalene
Concen: 29.42 ng/mL
RT: 5.123 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:142 Resp: 19669

Ion	Ratio	Lower	Upper
142	100		
141	90.2	61.5	121.5
115	28.8	0.2	60.2

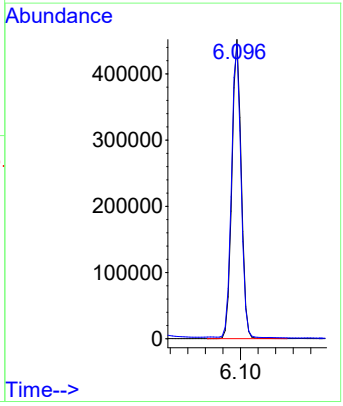


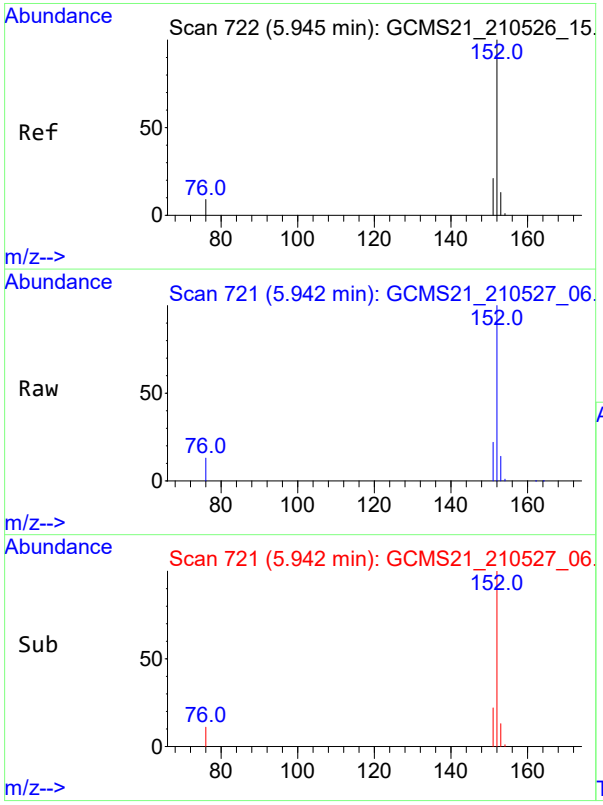


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:164 Resp: 333555

Ion	Ratio	Lower	Upper
164	100		
162	101.4	77.7	117.7

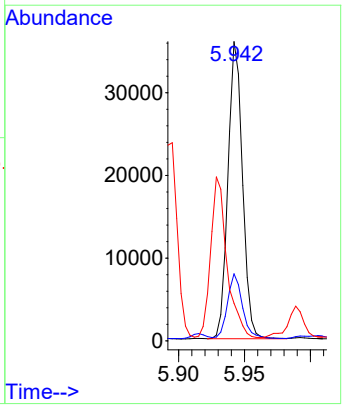


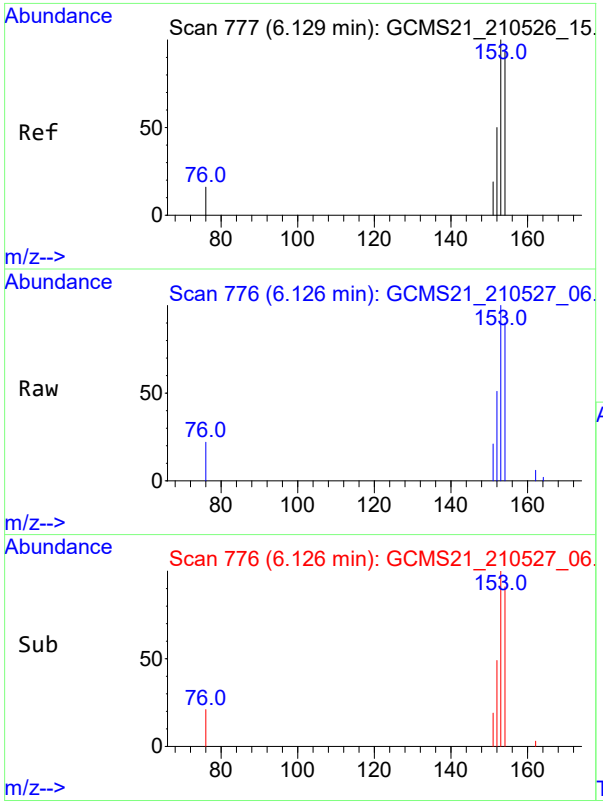


#7
Acenaphthylene
Concen: 24.83 ng/mL m
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:152 Resp: 27492

Ion	Ratio	Lower	Upper
152	100		
151	22.6	0.0	52.0
76	7.5	0.0	39.5

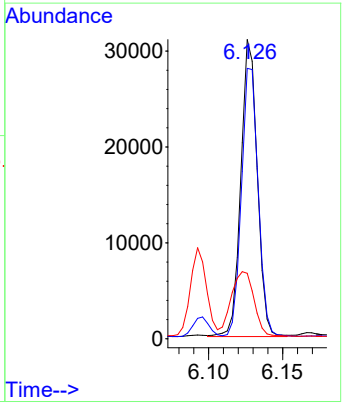


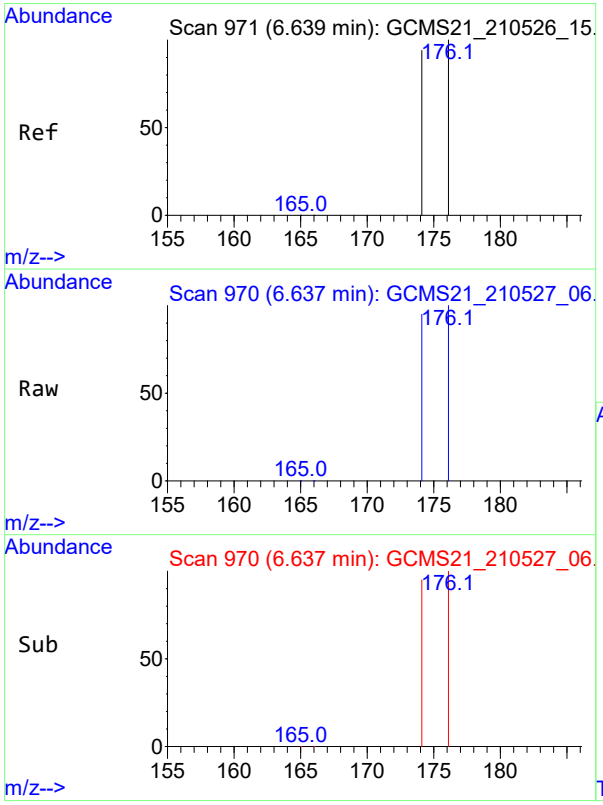


#8
Acenaphthene
Concen: 28.13 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:153 Resp: 23842

Ion	Ratio	Lower	Upper
153	100		
154	92.3	60.4	120.4
76	30.1	0.0	47.4

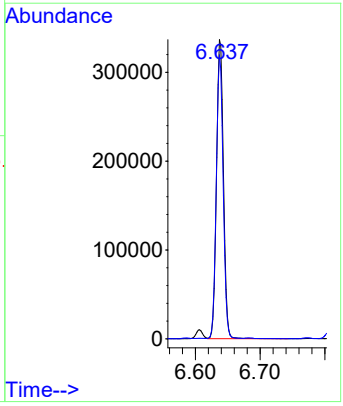


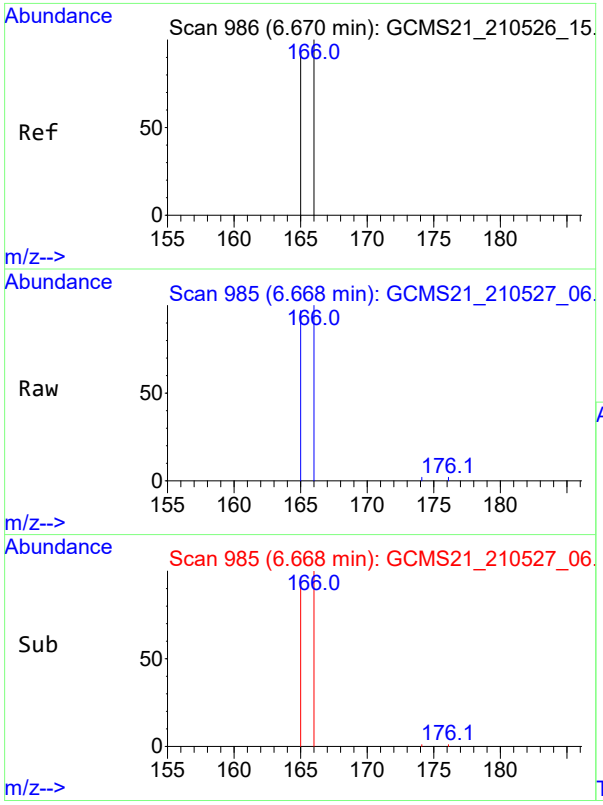


#9
Fluorene-D10
Concen: 312.70 ng/mL
RT: 6.637 min Scan# 970
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:176 Resp: 249712

Ion	Ratio	Lower	Upper
176	100		
174	94.4	63.9	123.9

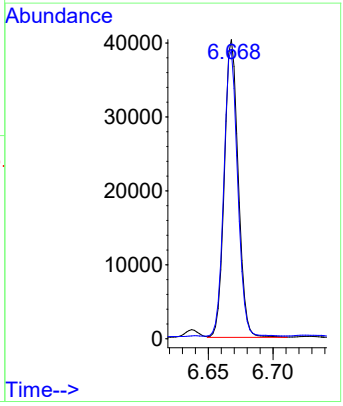


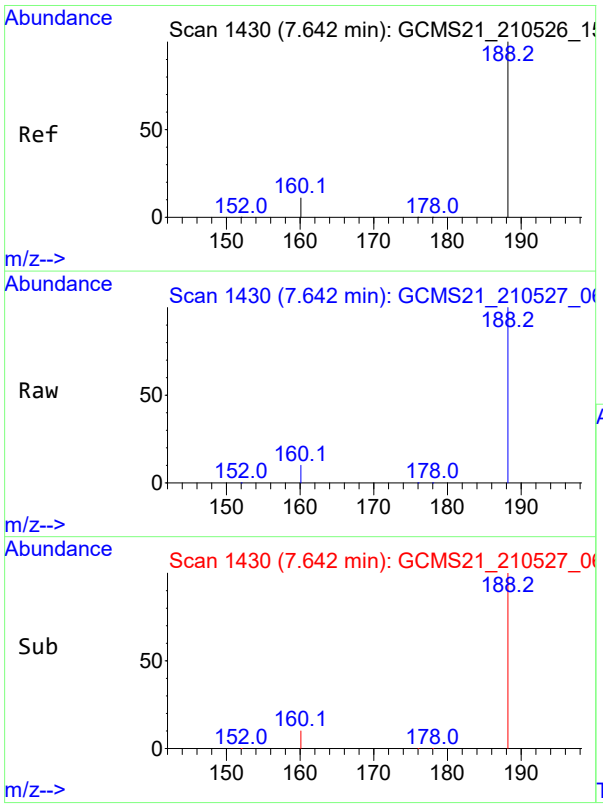


#10
Fluorene
Concen: 32.02 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:166 Resp: 30033

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.1	125.1

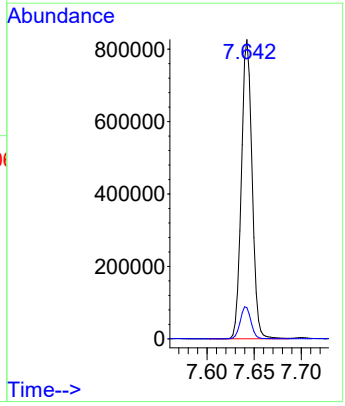


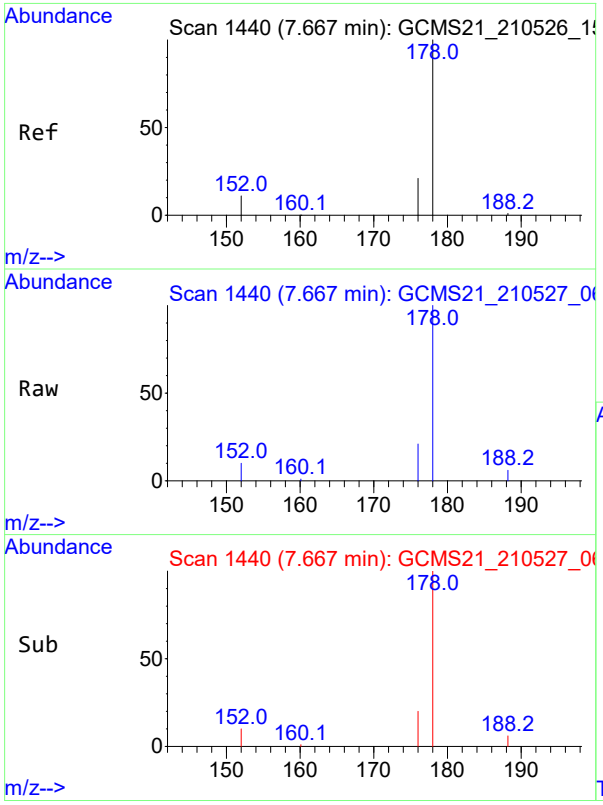


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:188 Resp: 651805

Ion	Ratio	Lower	Upper
188	100		
160	10.7	0.0	39.8

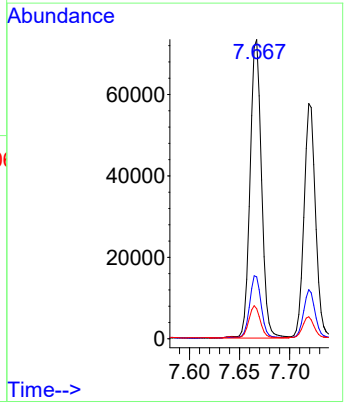


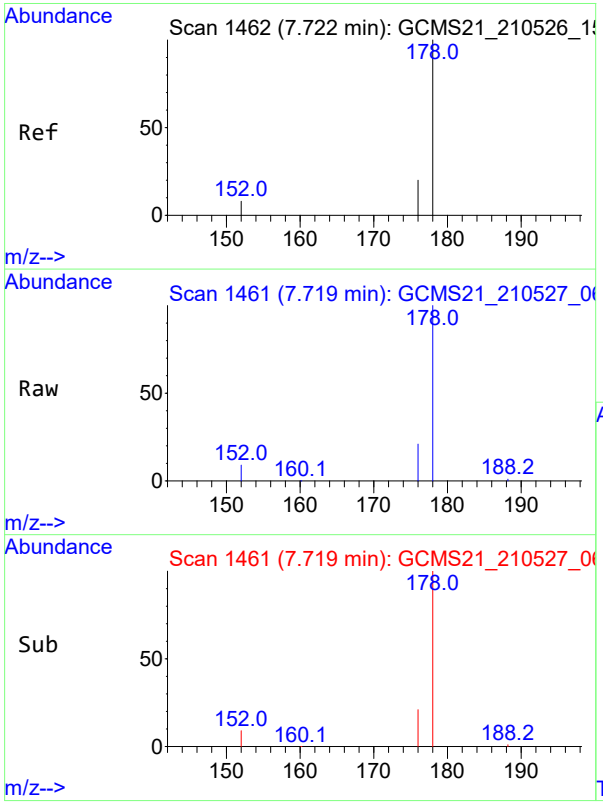


#12
Phenanthrene
Concen: 37.03 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:178 Resp: 58252

Ion	Ratio	Lower	Upper
178	100		
176	20.5	0.0	50.9
152	10.5	0.0	40.5

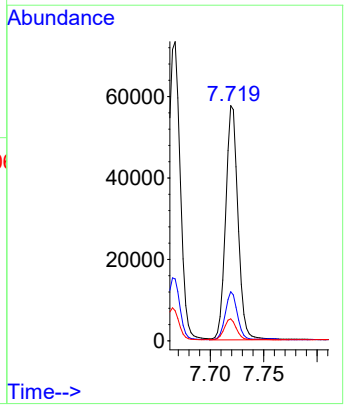


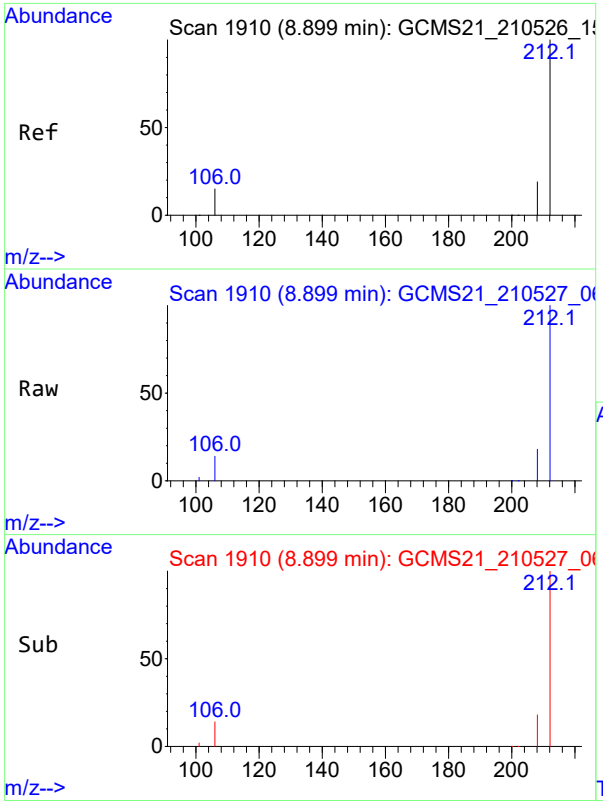


#13
Anthracene
Concen: 35.41 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:178 Resp: 46315

Ion	Ratio	Lower	Upper
178	100		
176	19.8	0.0	50.2
152	8.8	0.0	38.2

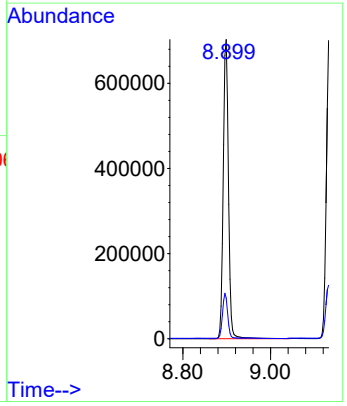


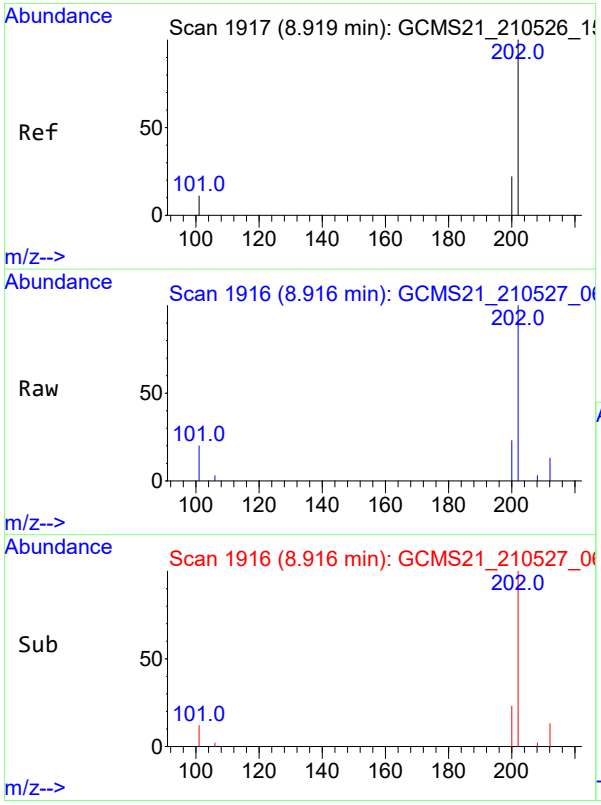


#14
Fluoranthene-D10
Concen: 410.87 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:212 Resp: 579878

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

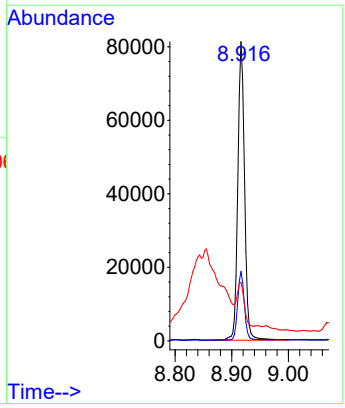


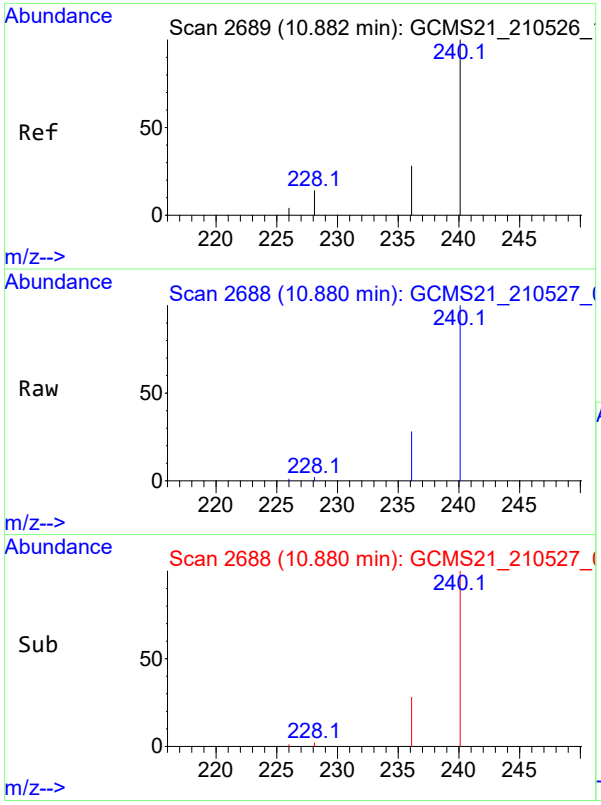


#15
Fluoranthene
Concen: 40.49 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:202 Resp: 67224

Ion	Ratio	Lower	Upper
202	100		
200	22.5	0.0	52.4
101	17.6	0.0	41.1

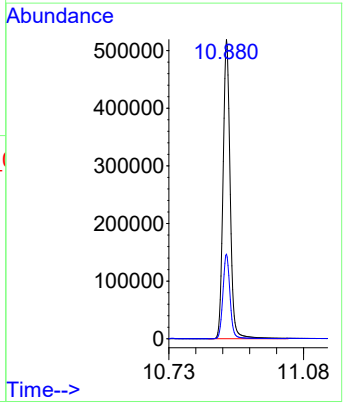


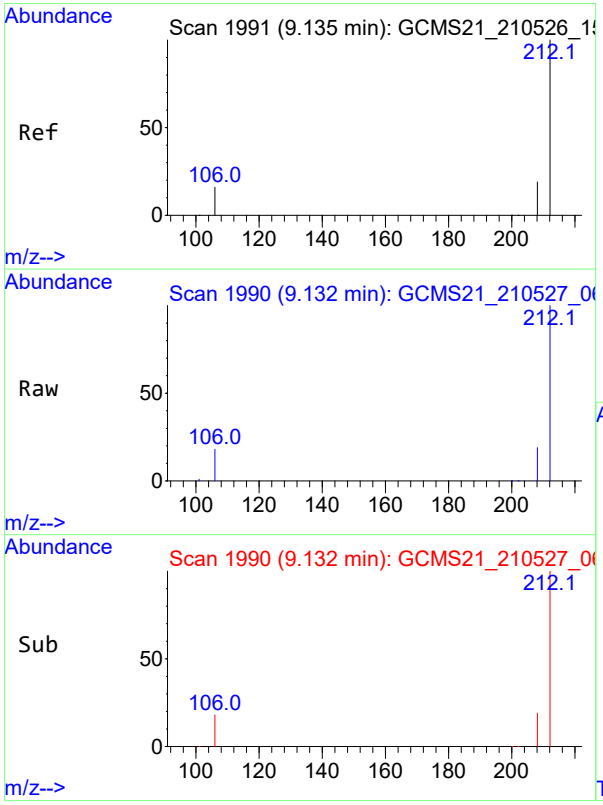


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.880 min Scan# 2688
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:240 Resp: 671403

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.6

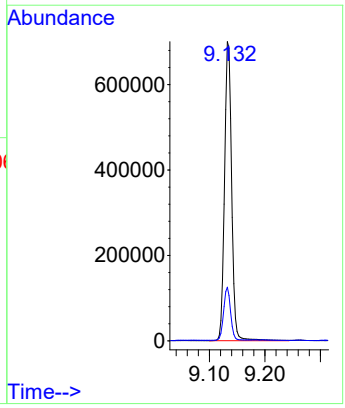


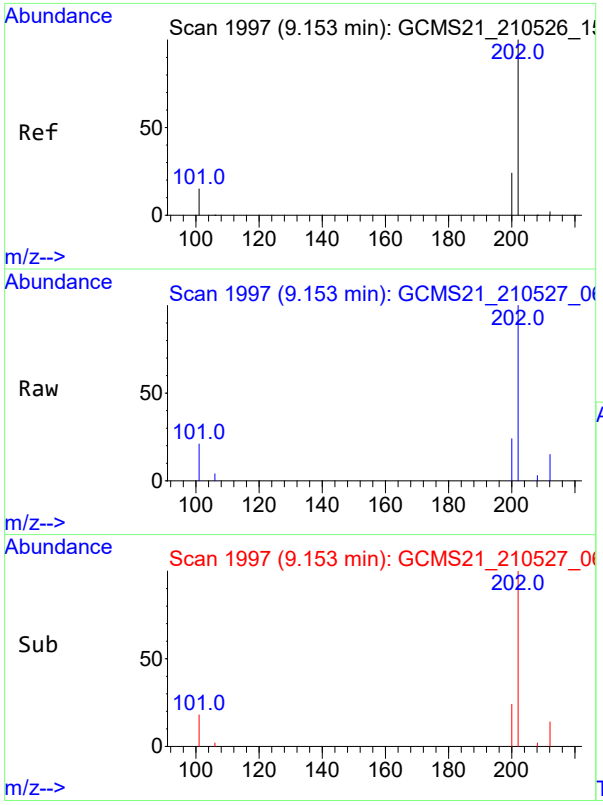


#17
Pyrene-D10
Concen: 406.28 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:212 Resp: 622366

Ion	Ratio	Lower	Upper
212	100		
106	17.3	0.0	46.2

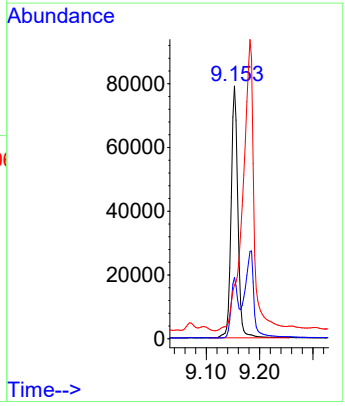


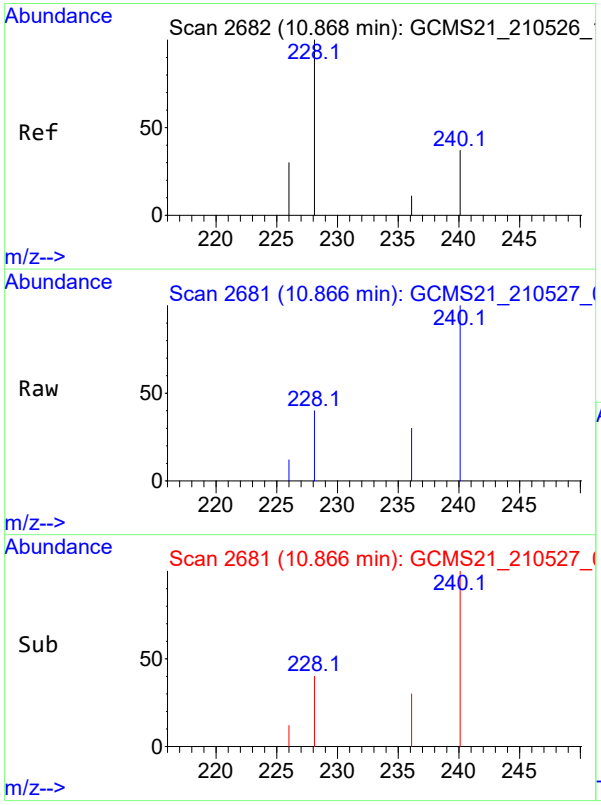


#18
Pyrene
Concen: 38.69 ng/mL m
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:202 Resp: 69227

Ion	Ratio	Lower	Upper
202	100		
200	26.0	0.0	53.9
101	16.3	0.0	44.5

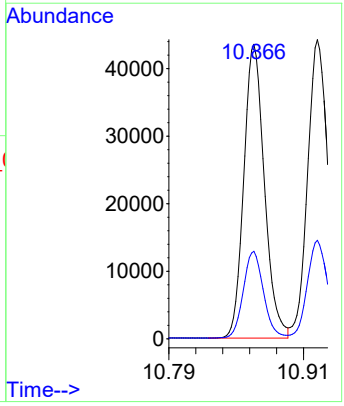


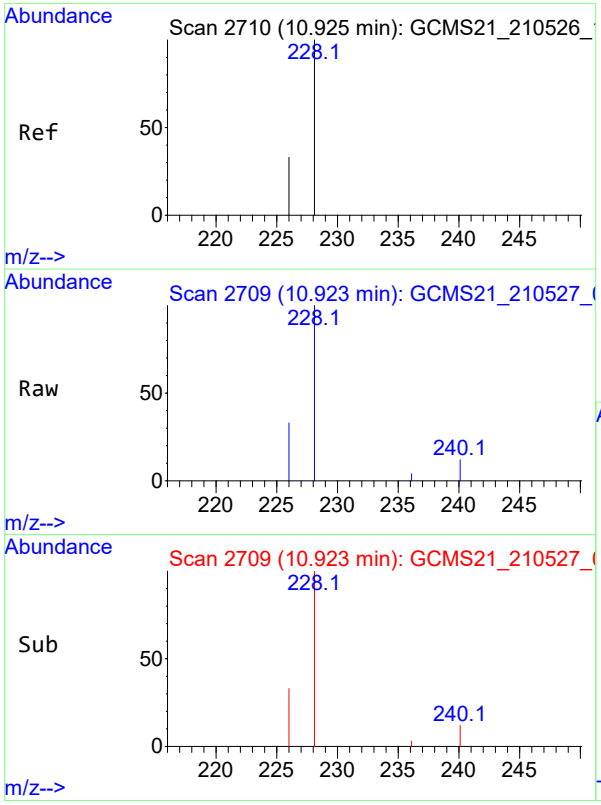


#19
Benzo(a)anthracene
Concen: 41.58 ng/mL
RT: 10.866 min Scan# 2681
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:228 Resp: 56149

Ion	Ratio	Lower	Upper
228	100		
226	28.8	0.0	59.8

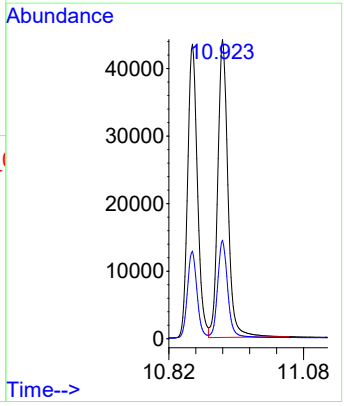


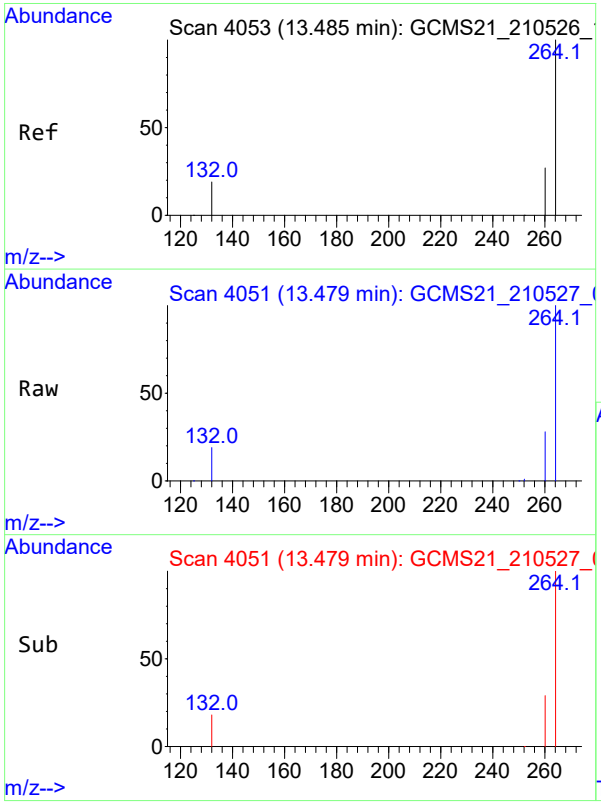


#20
Chrysene
Concen: 35.53 ng/mL
RT: 10.923 min Scan# 2709
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:228 Resp: 59230

Ion	Ratio	Lower	Upper
228	100		
226	32.3	2.8	62.8

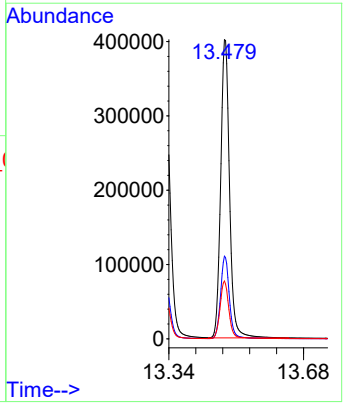


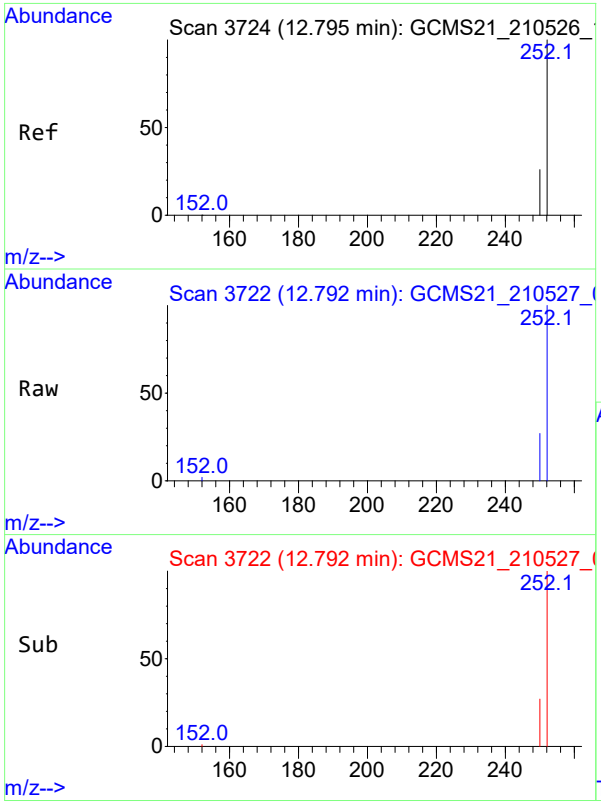


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.479 min Scan# 4051
Delta R.T. -0.006 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:264 Resp: 633510

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	19.2	0.0	49.5

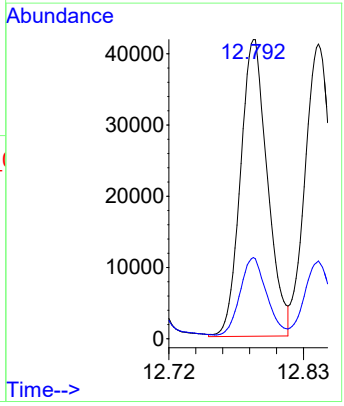


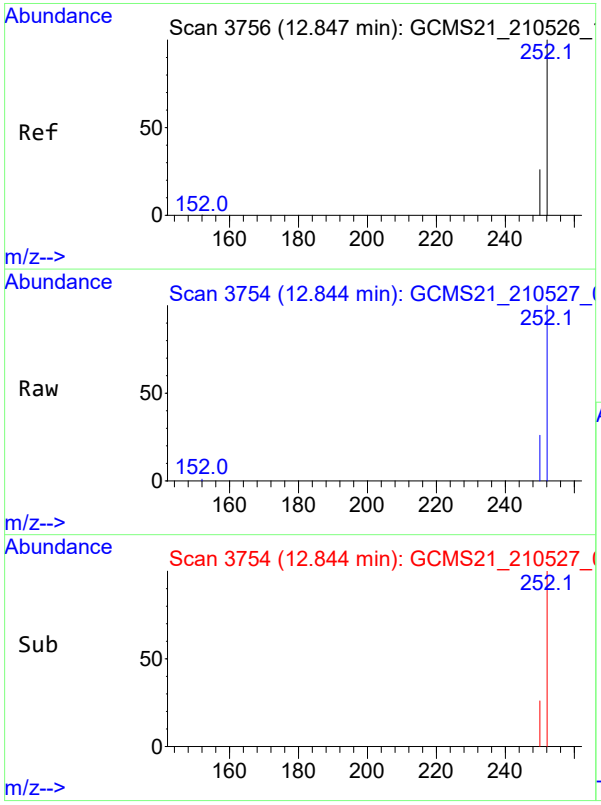


#22
Benzo(b)fluoranthene
Concen: 47.45 ng/mL
RT: 12.792 min Scan# 3722
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 62397

Ion	Ratio	Lower	Upper
252	100		
250	27.0	0.0	56.2

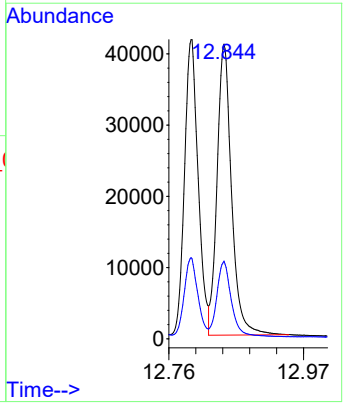


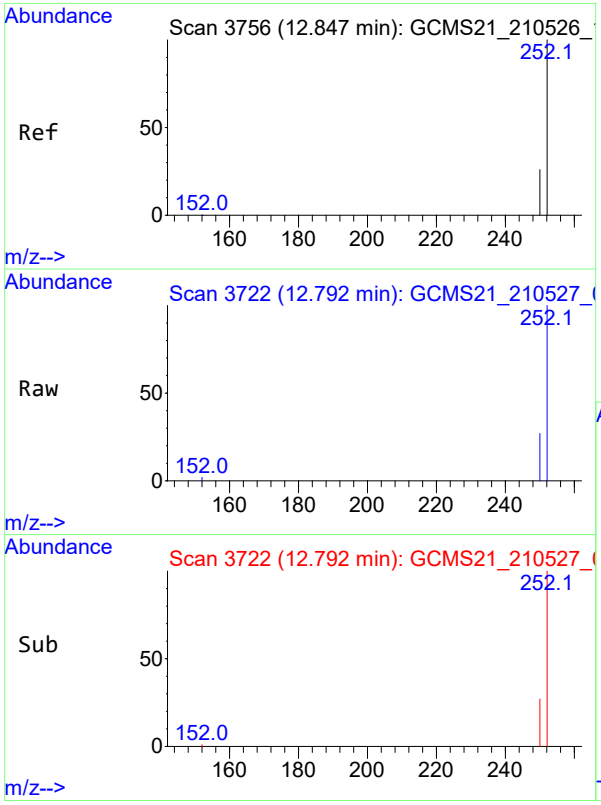


#23
Benzo(k)fluoranthene
Concen: 44.43 ng/mL
RT: 12.844 min Scan# 3754
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 64757

Ion	Ratio	Lower	Upper
252	100		
250	25.9	0.0	55.6

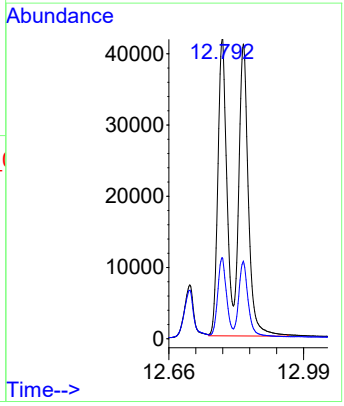


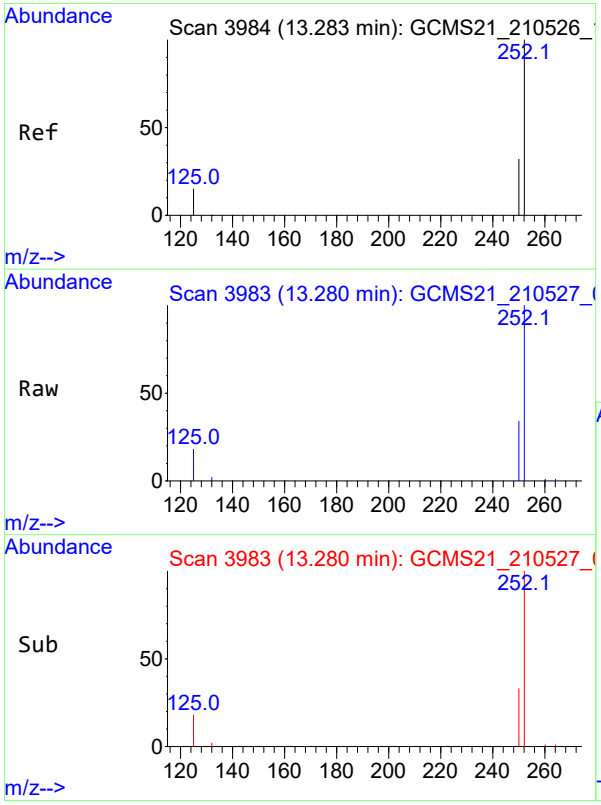


#24
benzo(b+k)fluoranthene (sum)
Concen: 89.71 ng/mL m
RT: 12.792 min Scan# 3722
Delta R.T. -0.055 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 128182

Ion	Ratio	Lower	Upper
252	100		
250	25.7	0.0	55.6

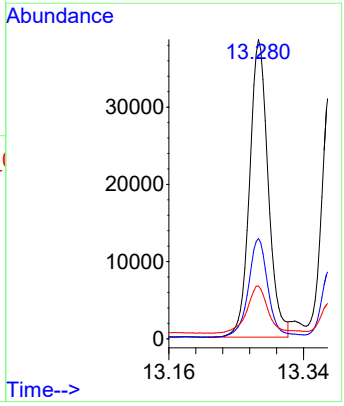


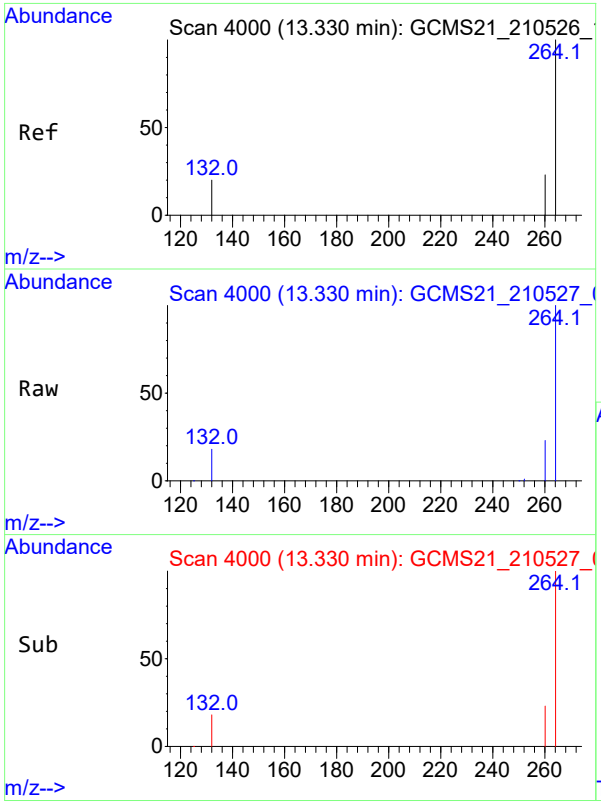


#25
Benzo(e)pyrene
Concen: 48.31 ng/mL
RT: 13.280 min Scan# 3983
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 64079

Ion	Ratio	Lower	Upper
252	100		
250	35.6	2.2	62.2
125	18.5	0.0	45.4

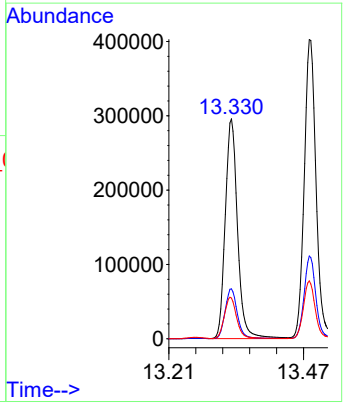


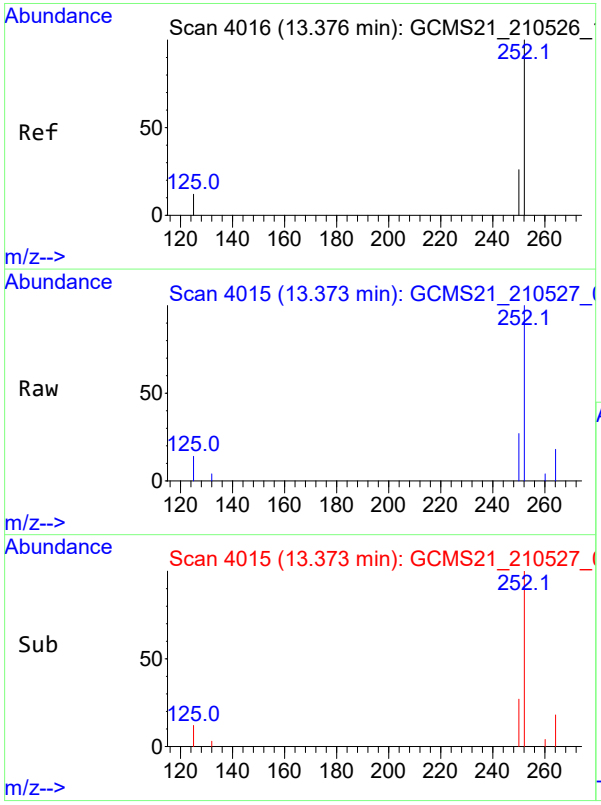


#26
Benzo(a)pyrene-D12
Concen: 468.55 ng/mL
RT: 13.330 min Scan# 4000
Delta R.T. -0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:264 Resp: 482260

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.8	0.0	49.7

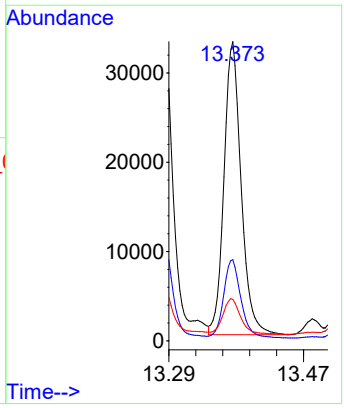


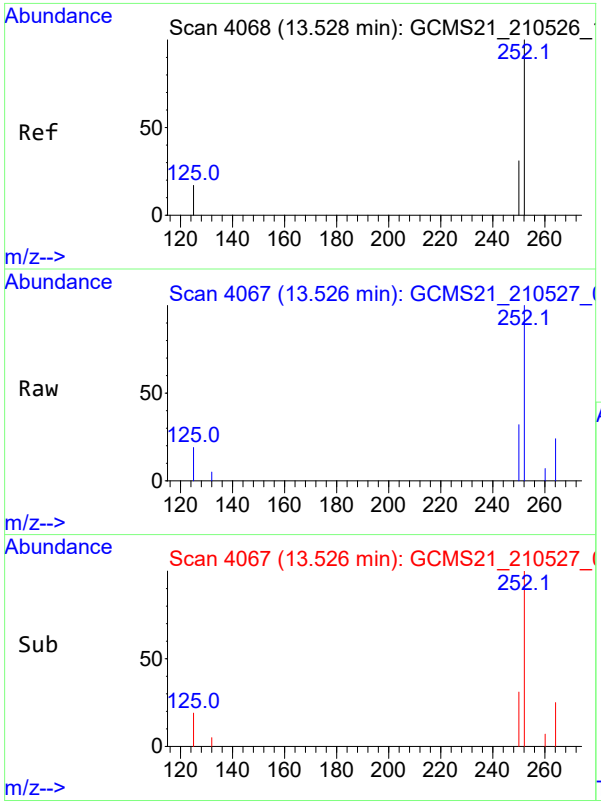


#27
Benzo(a)pyrene
Concen: 43.19 ng/mL
RT: 13.373 min Scan# 4015
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 51839

Ion	Ratio	Lower	Upper
252	100		
250	27.1	0.0	56.4
125	12.7	0.0	41.7

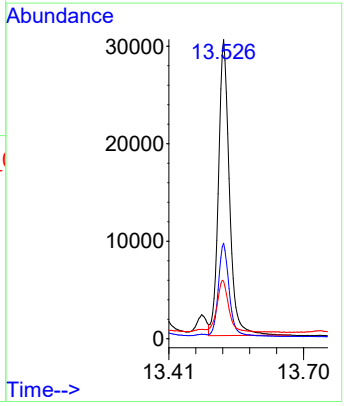


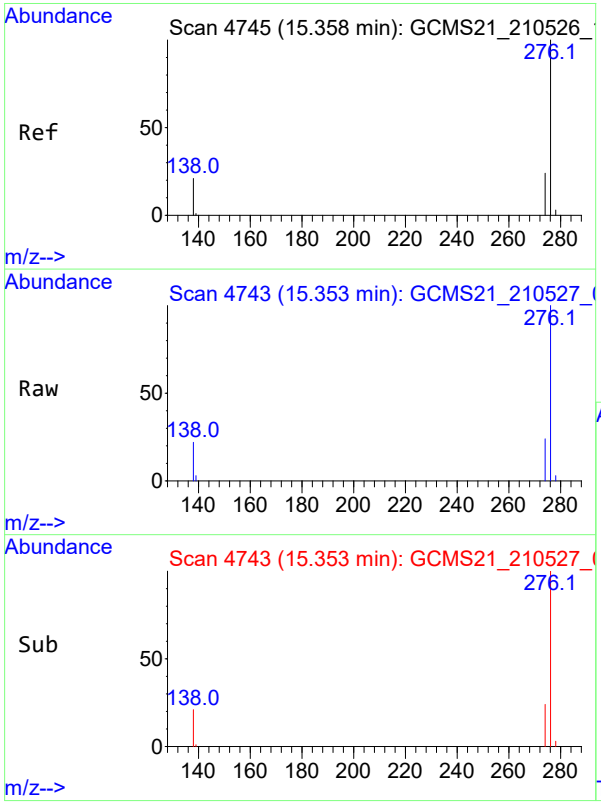


#28
Perylene
Concen: 36.55 ng/mL
RT: 13.526 min Scan# 4067
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 49259

Ion	Ratio	Lower	Upper
252	100		
250	31.6	1.5	61.5
125	18.6	0.0	46.6

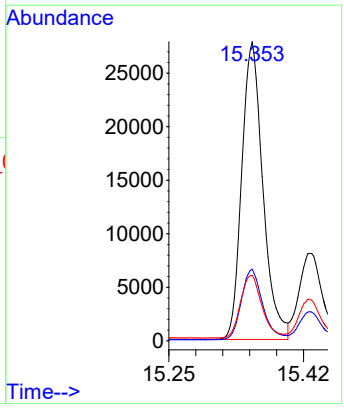


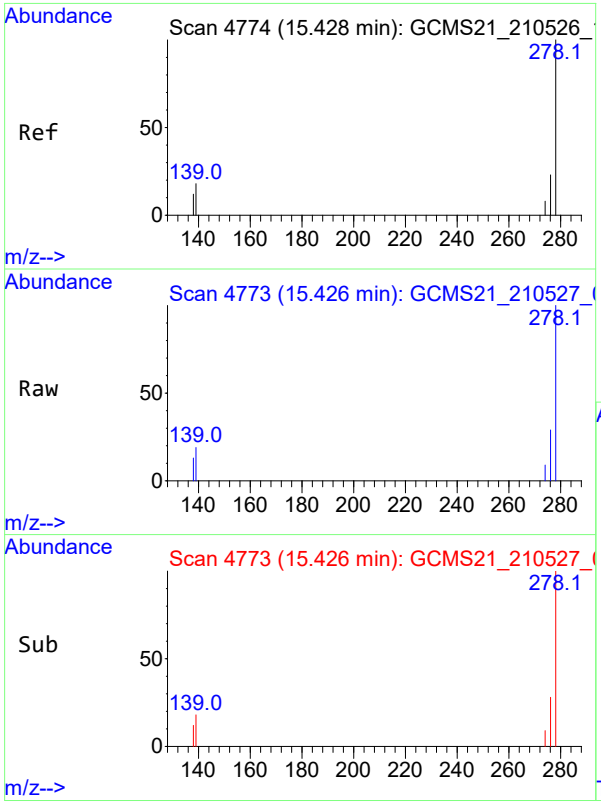


#29
Indeno(1,2,3-cd)pyrene
Concen: 48.28 ng/mL
RT: 15.353 min Scan# 4743
Delta R.T. -0.005 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:276 Resp: 49582

Ion	Ratio	Lower	Upper
276	100		
274	23.8	0.0	53.8
138	21.5	0.0	50.7

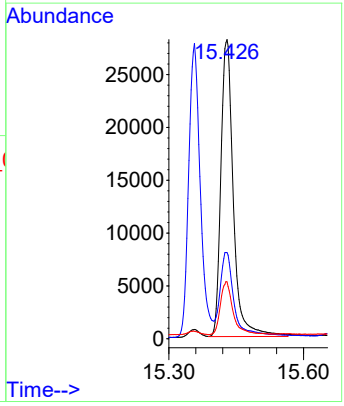


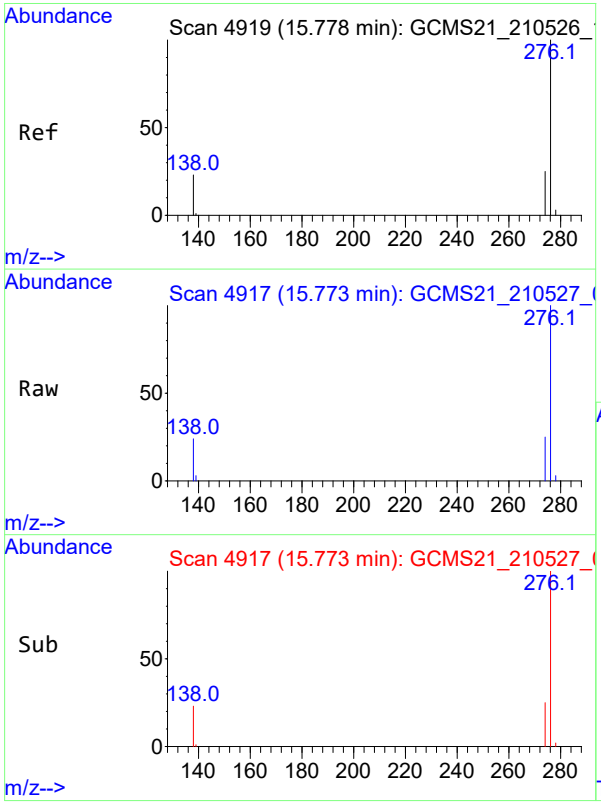


#30
Dibenz(a,h)anthracene
Concen: 52.67 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:278 Resp: 53906

Ion	Ratio	Lower	Upper
278	100		
276	31.7	0.0	52.8
139	18.0	0.0	47.6

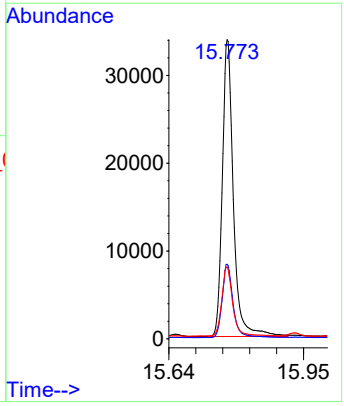




#31
Benzo(g,h,i)perylene
Concen: 45.47 ng/mL
RT: 15.773 min Scan# 4917
Delta R.T. -0.005 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:276 Resp: 60667

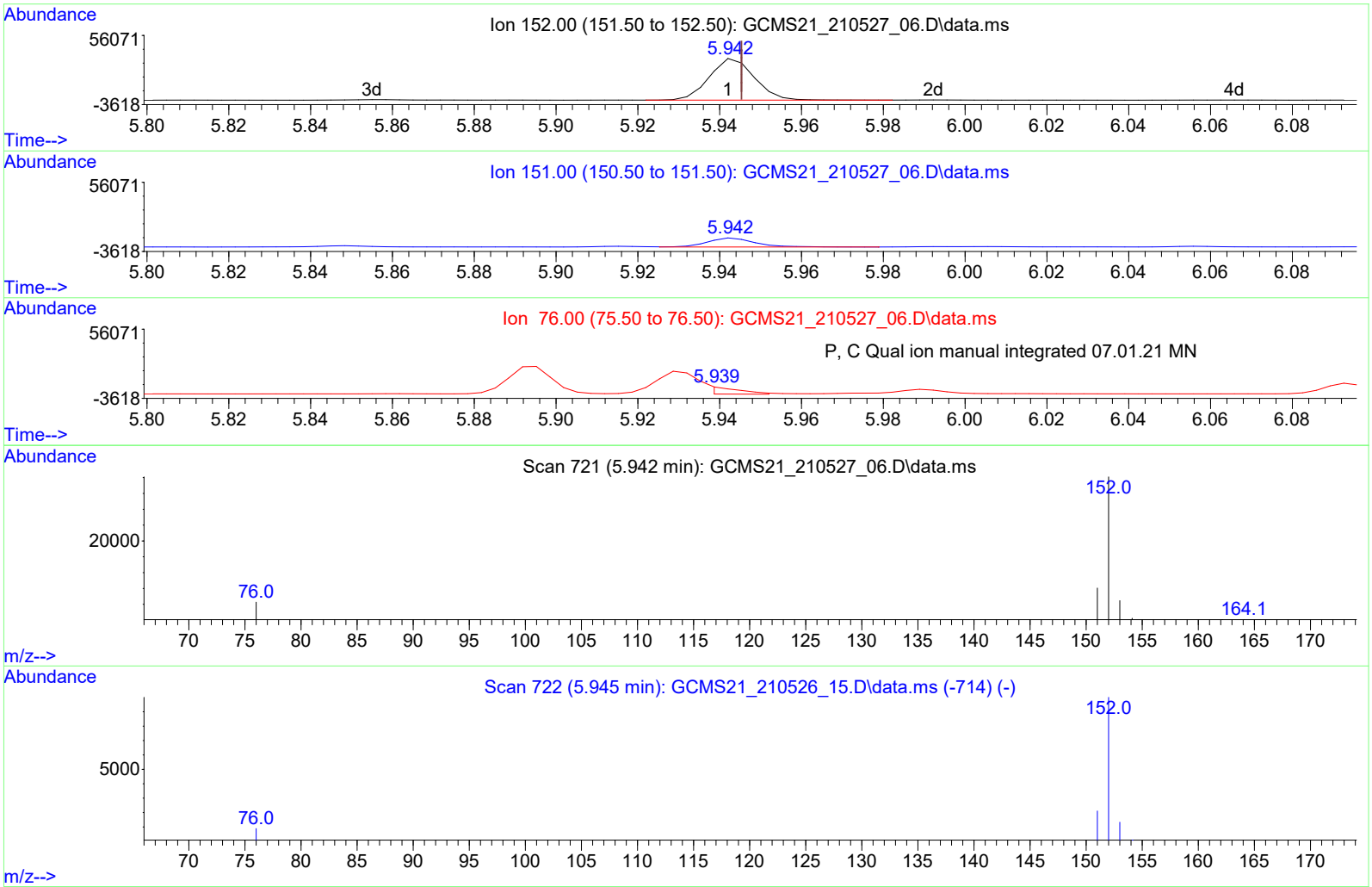
Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	54.8
138	22.7	0.0	52.9



Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_06.D
Acq On : 27 May 2021 12:24
Operator : MN GCMS21
Sample : B21E006-MRL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:29:08 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration



TIC: GCMS21_210527_06.D\data.ms

(7) Acenaphthylene (M)

5.942min (-0.003) 24.83 ng/mL m

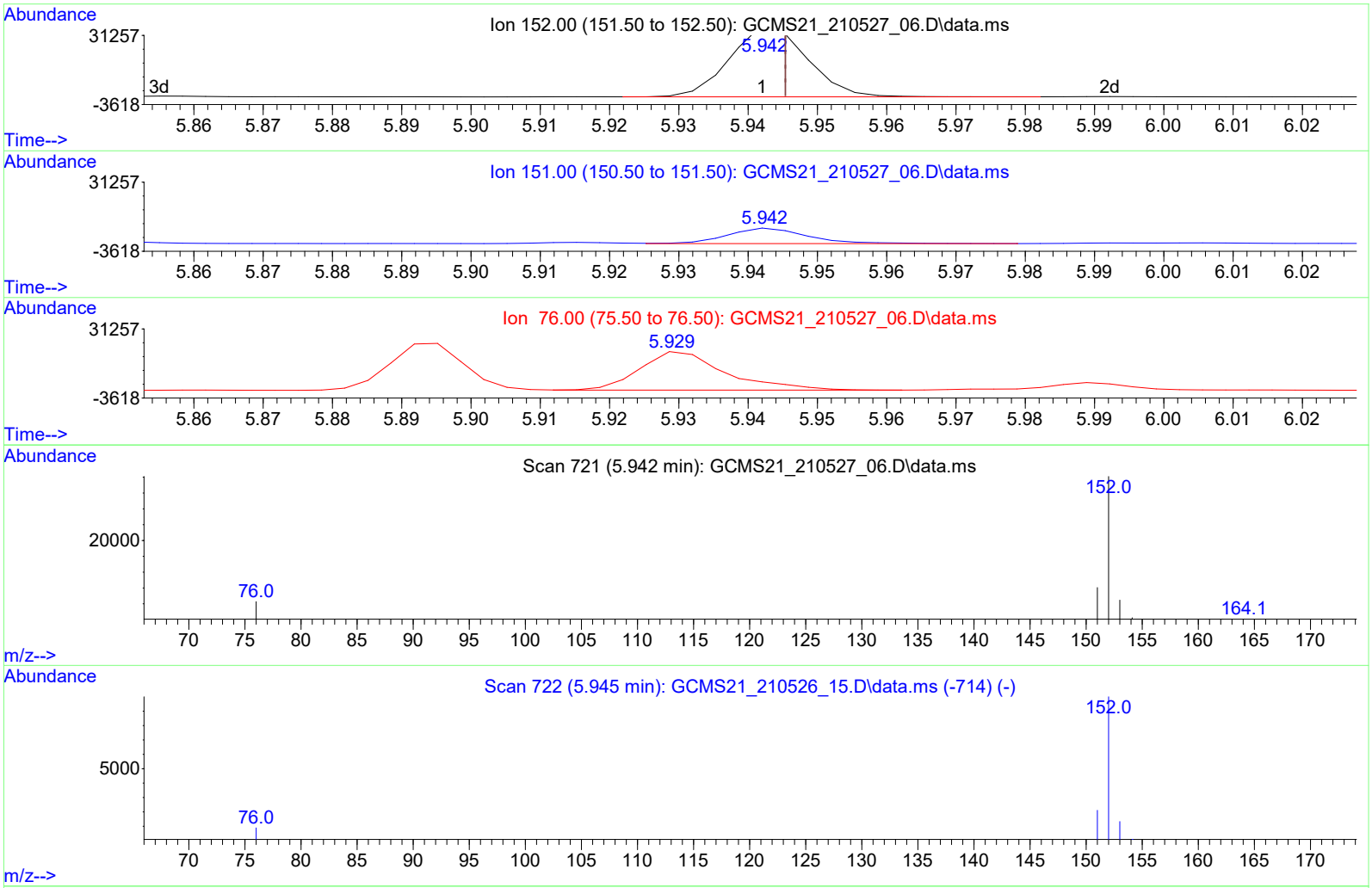
response 27492

Ion	Exp%	Act%
152.00	100.00	100.00
151.00	22.00	22.55
76.00	9.50	7.47
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_06.D
Acq On : 27 May 2021 12:24
Operator : MN GCMS21
Sample : B21E006-MRL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:29:08 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration



TIC: GCMS21_210527_06.D\data.ms

(7) Acenaphthylene (M)

5.942min (-0.003) 24.83 ng/mL

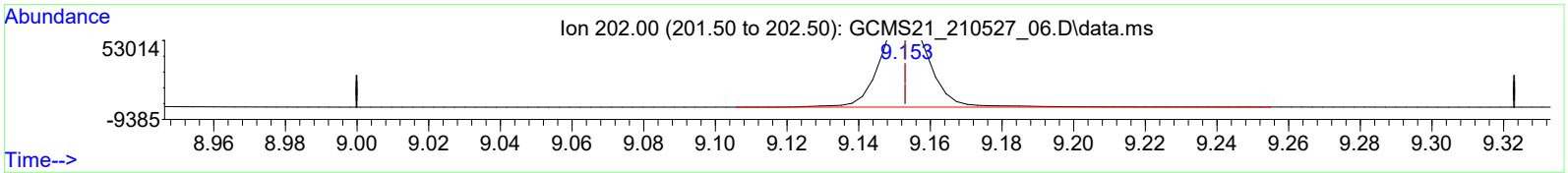
response 27492

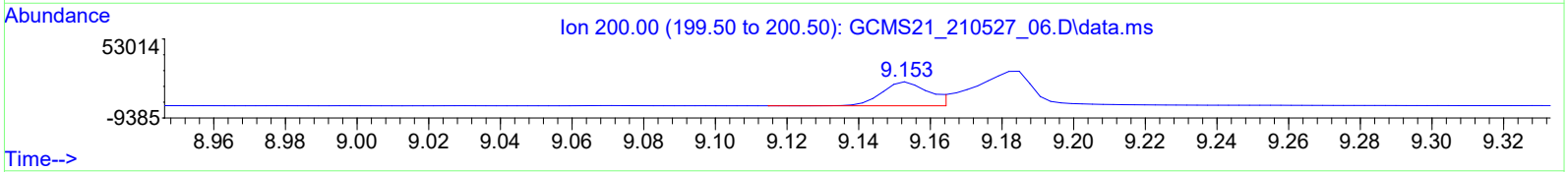
Ion	Exp%	Act%
152.00	100.00	100.00
151.00	22.00	22.55
76.00	9.50	60.46#
0.00	0.00	0.00

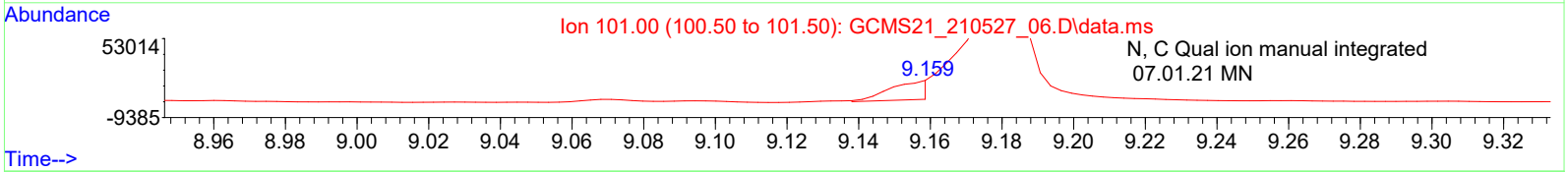
Quantitation Report (Qedit)

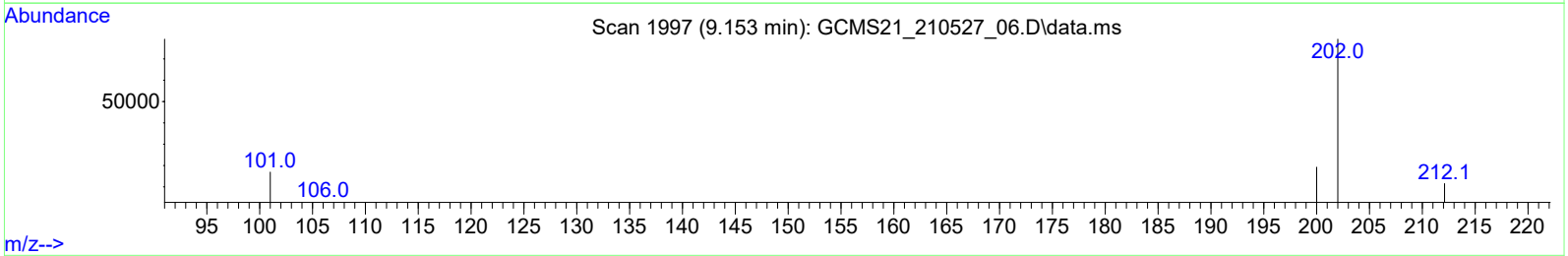
Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_06.D
Acq On : 27 May 2021 12:24
Operator : MN GCMS21
Sample : B21E006-MRL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

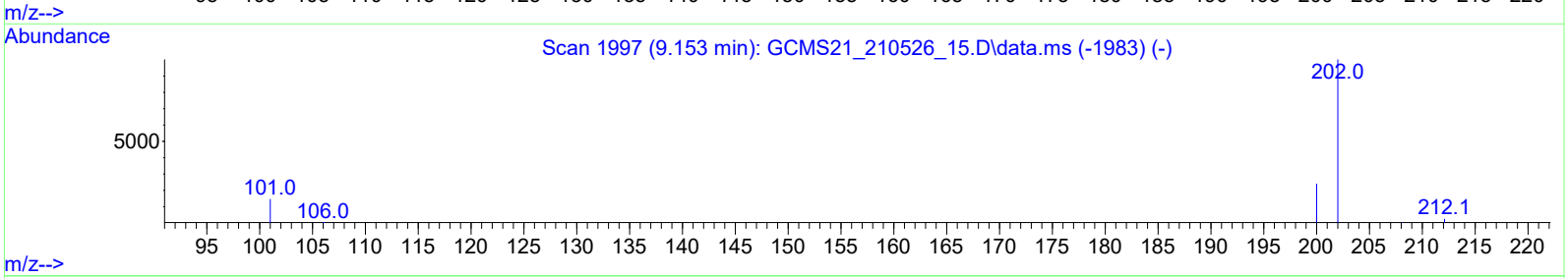
Quant Time: Jun 28 11:29:08 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration











TIC: GCMS21_210527_06.D\data.ms

(18) Pyrene (M)

9.153min (-0.000) 38.69 ng/mL m

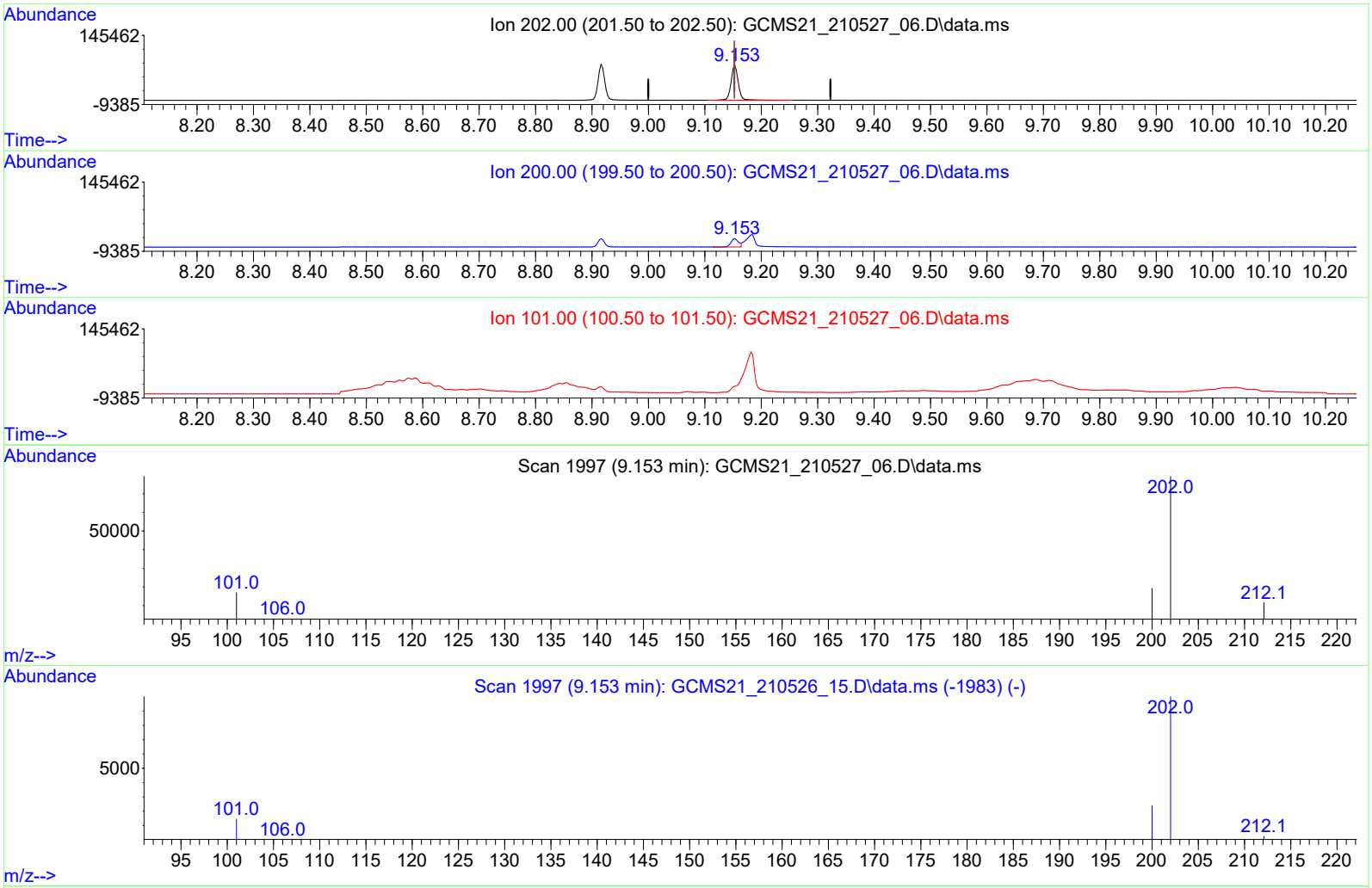
response 69227

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	23.90	25.98
101.00	14.50	16.31
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_06.D
Acq On : 27 May 2021 12:24
Operator : MN GCMS21
Sample : B21E006-MRL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:29:08 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration



TIC: GCMS21_210527_06.D\data.ms

(18) Pyrene (M)

9.153min (-0.000) 38.69 ng/mL

response 69227

Ion	Exp%	Act%
202.00	100.00	100.00
200.00	23.90	25.98
101.00	14.50	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_06.D
Acq On : 27 May 2021 12:24
Operator : MN GCMS21
Sample : B21E006-MRL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:29:08 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

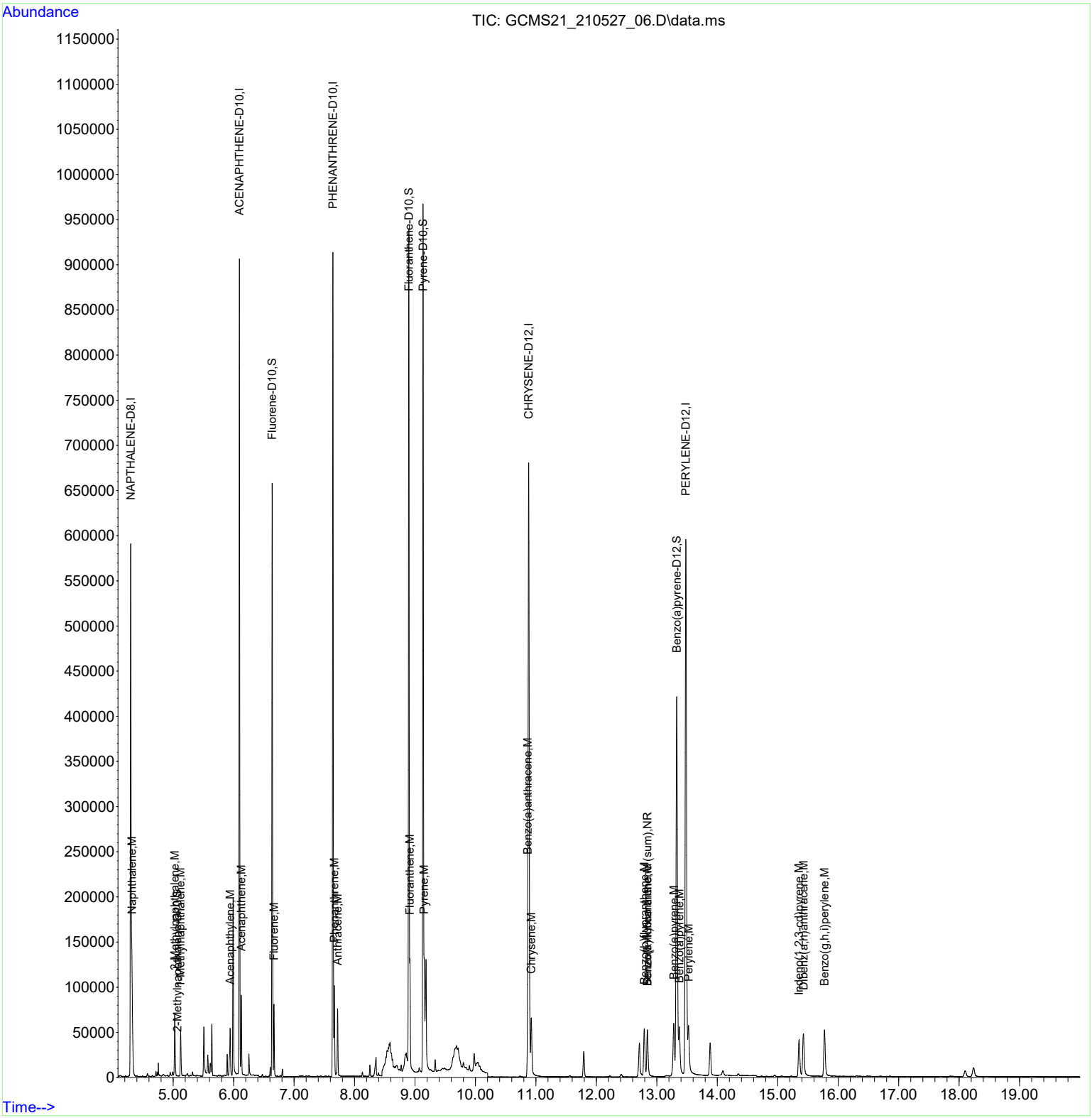
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	567934	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	333555	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	651805	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.880	240	671403	500.00	ng/mL	0.00
21) PERYLENE-D12	13.479	264	633510	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.071	152	252	0.35	ng/mL	0.07
9) Fluorene-D10	6.637	176	249712	312.70	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	579878	410.87	ng/mL	0.00
17) Pyrene-D10	9.132	212	622366	406.28	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.330	264	482260	468.55	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.318	128	47373	43.47	ng/mL	98
4) 2-Methylnaphthalene	5.027	142	26538	33.07	ng/mL	100
5) 1-Methylnaphthalene	5.123	142	19669	29.42	ng/mL	98
7) Acenaphthylene	5.942	152	27492	24.83	ng/mL#	57
8) Acenaphthene	6.126	153	23842	28.13	ng/mL	94
10) Fluorene	6.668	166	30033	32.02	ng/mL	100
12) Phenanthrene	7.667	178	58252	37.03	ng/mL	99
13) Anthracene	7.719	178	46315	35.41	ng/mL	99
15) Fluoranthene	8.916	202	67224	40.49	ng/mL	94
18) Pyrene	9.153	202	69227	38.69	ng/mL#	84
19) Benzo(a)anthracene	10.866	228	56149	41.58	ng/mL	98
20) Chrysene	10.923	228	59230	35.53	ng/mL	99
22) Benzo(b)fluoranthene	12.792	252	62397	47.45	ng/mL	98
23) Benzo(k)fluoranthene	12.844	252	64757	44.43	ng/mL	99
24) benzo(b+k)fluoranthene...	12.844	252	65170	45.61	ng/mL	99
25) Benzo(e)pyrene	13.280	252	64079	48.31	ng/mL	93
27) Benzo(a)pyrene	13.373	252	51839	43.19	ng/mL	98
28) Perylene	13.526	252	49259	36.55	ng/mL	98
29) Indeno(1,2,3-cd)pyrene	15.353	276	49582	48.28	ng/mL	99
30) Dibenz(a,h)anthracene	15.426	278	53906	52.67	ng/mL	89
31) Benzo(g,h,i)perylene	15.773	276	60667	45.47	ng/mL	99

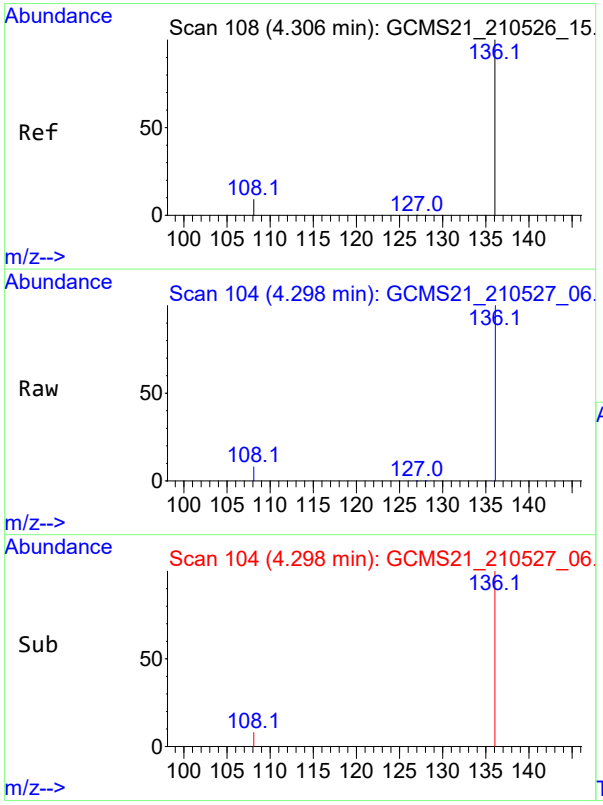
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_06.D
Acq On : 27 May 2021 12:24
Operator : MN GCMS21
Sample : B21E006-MRL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:29:08 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

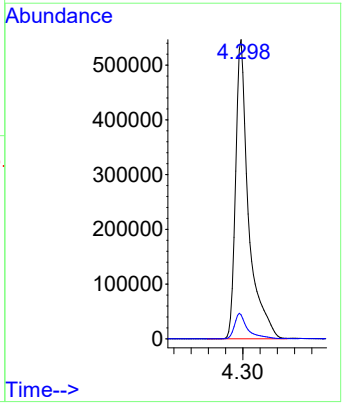


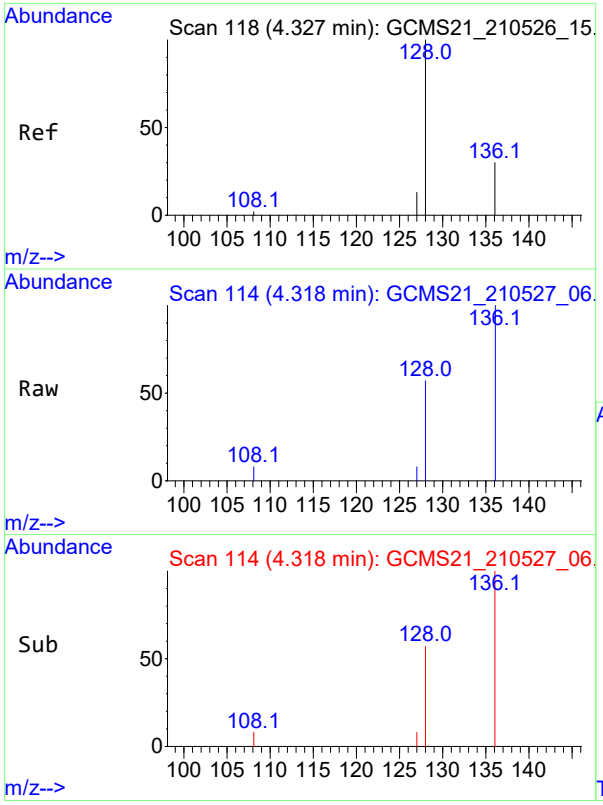


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:136 Resp: 567934

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

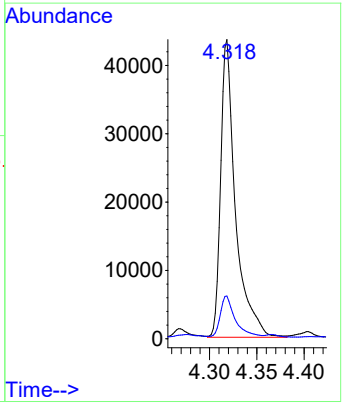


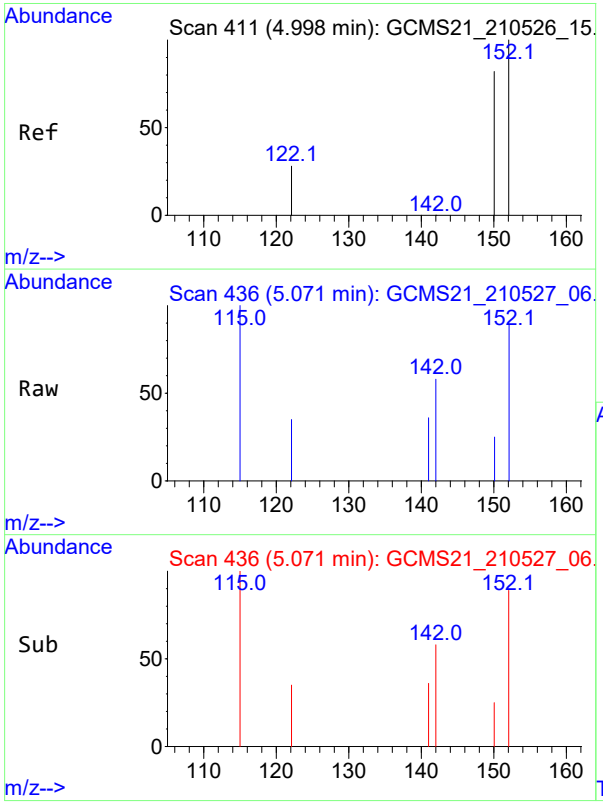


#2
Naphthalene
Concen: 43.47 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:128 Resp: 47373

Ion	Ratio	Lower	Upper
128	100		
127	13.9	0.0	43.3

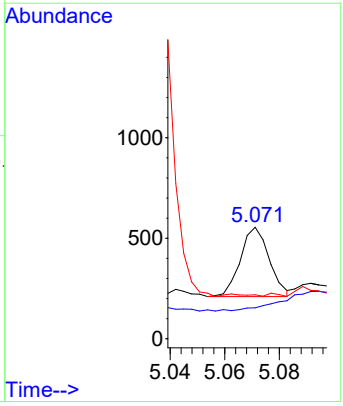


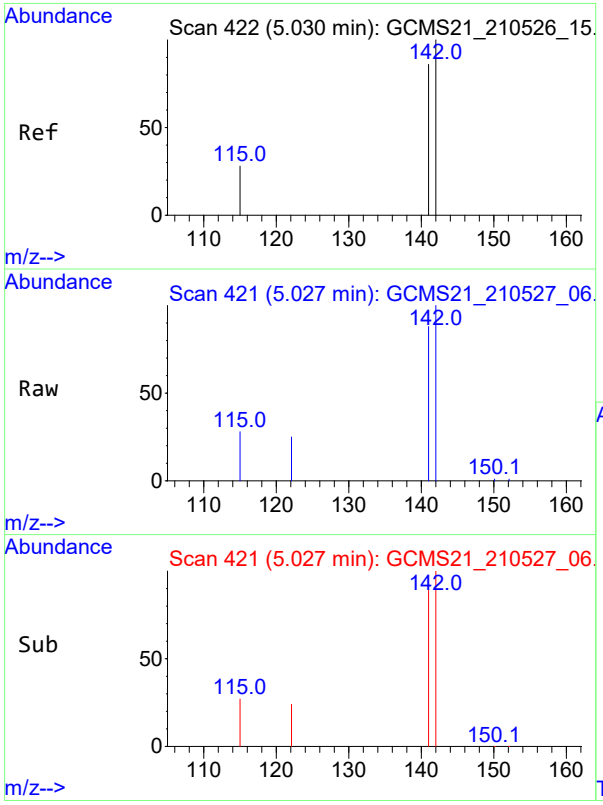


#3
2-Methylnaphthalene-D10
Concen: 0.35 ng/mL
RT: 5.071 min Scan# 436
Delta R.T. 0.073 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:152 Resp: 252

Ion	Ratio	Lower	Upper
152	100		
150	55.6	52.3	112.3
122	0.0	0.0	57.5

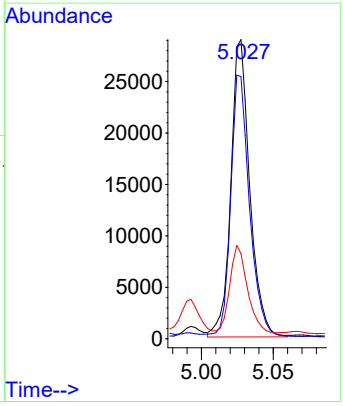


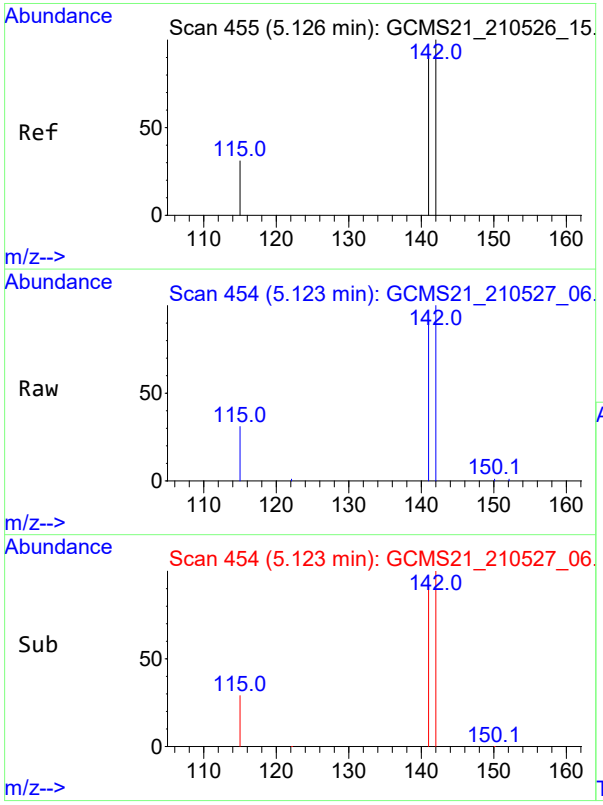


#4
2-Methylnaphthalene
Concen: 33.07 ng/mL
RT: 5.027 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:142 Resp: 26538

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.3	116.3
115	27.2	0.0	57.4

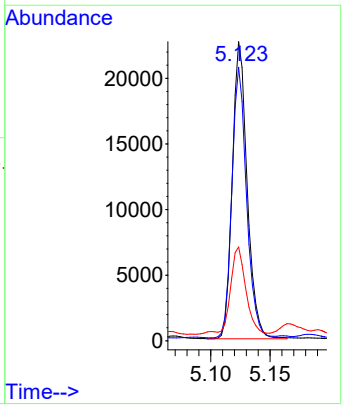


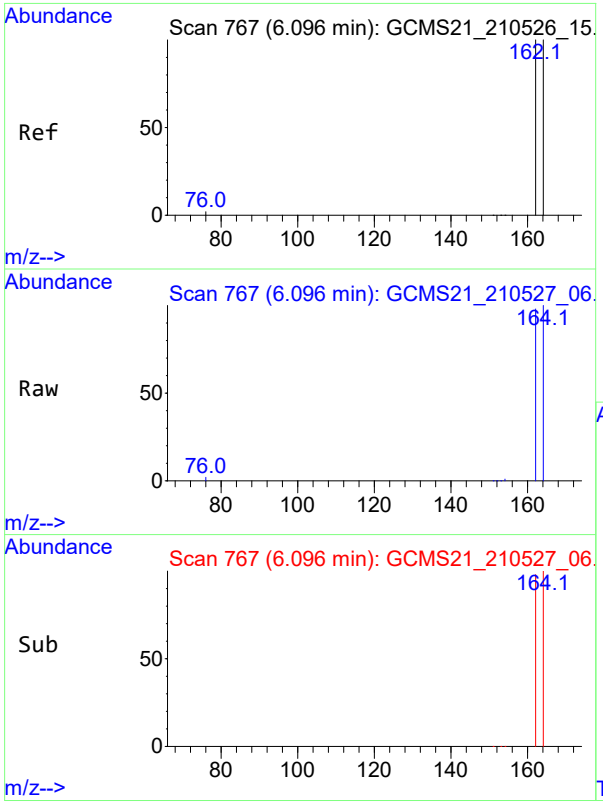


#5
1-Methylnaphthalene
Concen: 29.42 ng/mL
RT: 5.123 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:142 Resp: 19669

Ion	Ratio	Lower	Upper
142	100		
141	90.2	61.5	121.5
115	28.8	0.2	60.2

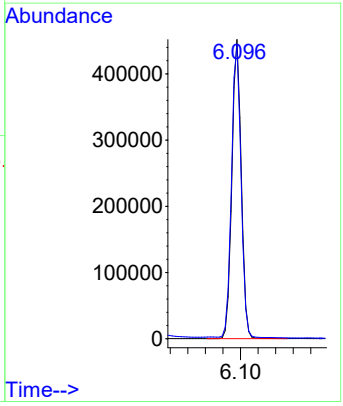


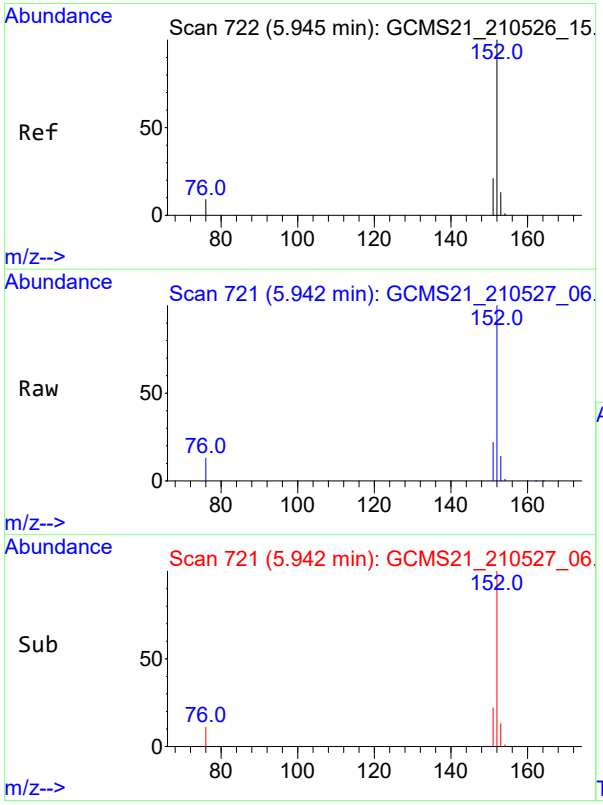


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:164 Resp: 333555

Ion	Ratio	Lower	Upper
164	100		
162	101.4	77.7	117.7

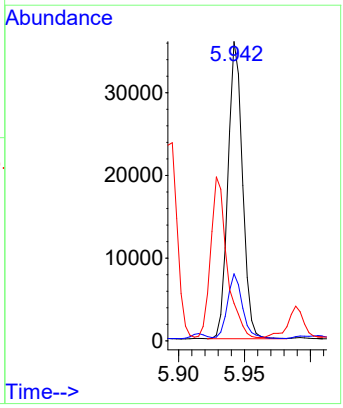


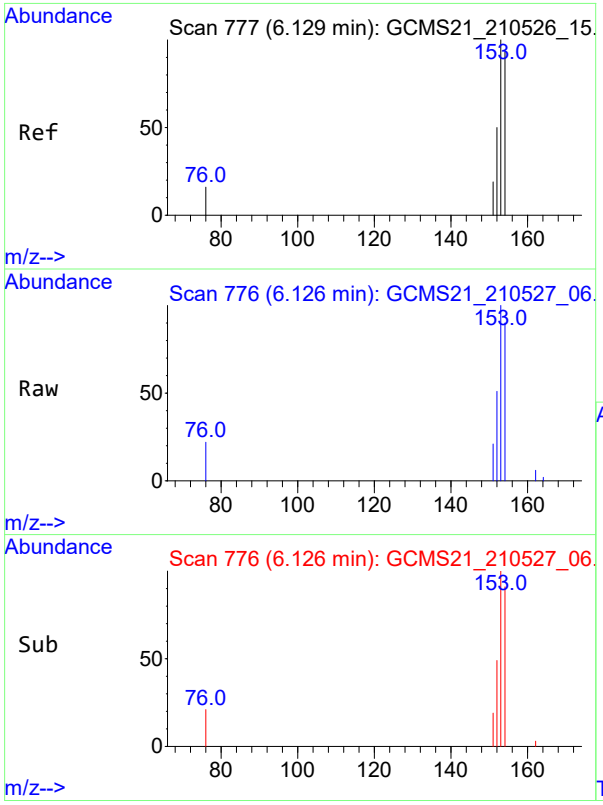


#7
Acenaphthylene
Concen: 24.83 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:152 Resp: 27492

Ion	Ratio	Lower	Upper
152	100		
151	22.6	0.0	52.0
76	60.5	0.0	39.5#

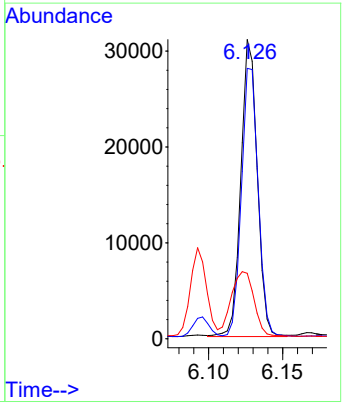


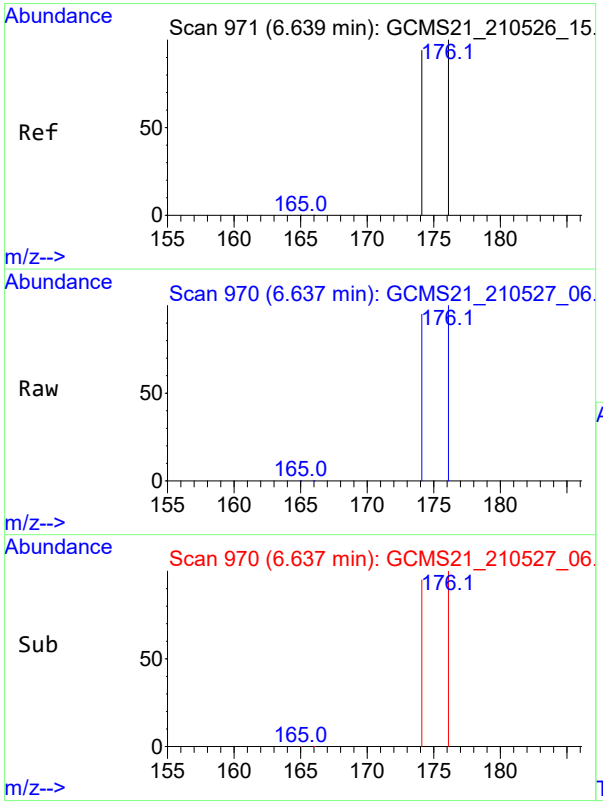


#8
Acenaphthene
Concen: 28.13 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:153 Resp: 23842

Ion	Ratio	Lower	Upper
153	100		
154	92.3	60.4	120.4
76	30.1	0.0	47.4

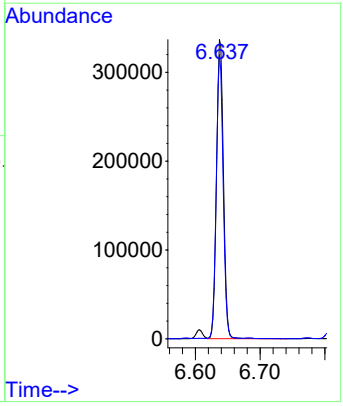


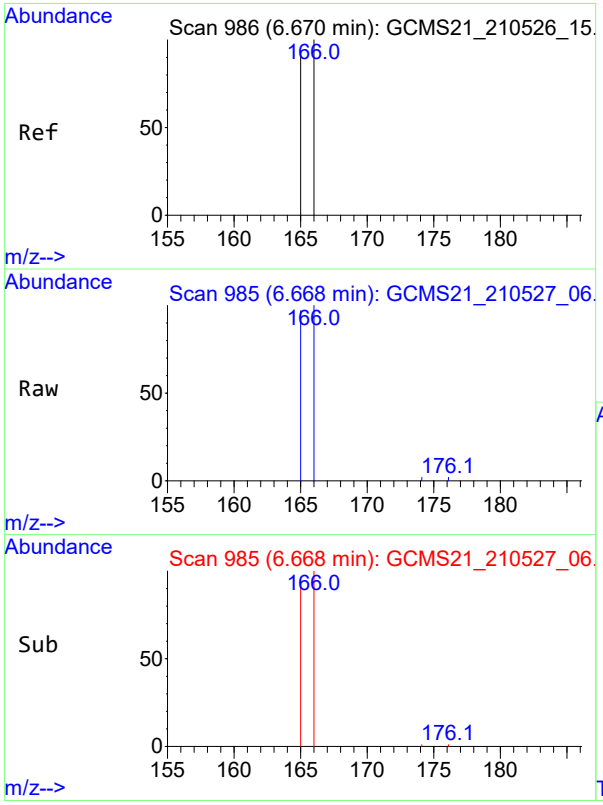


#9
Fluorene-D10
Concen: 312.70 ng/mL
RT: 6.637 min Scan# 970
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:176 Resp: 249712

Ion	Ratio	Lower	Upper
176	100		
174	94.4	63.9	123.9

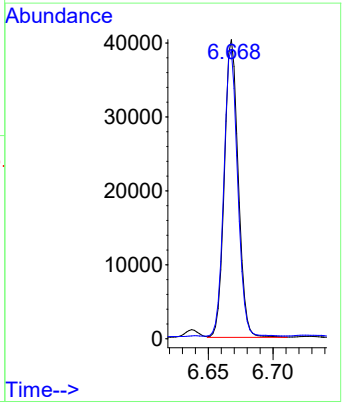


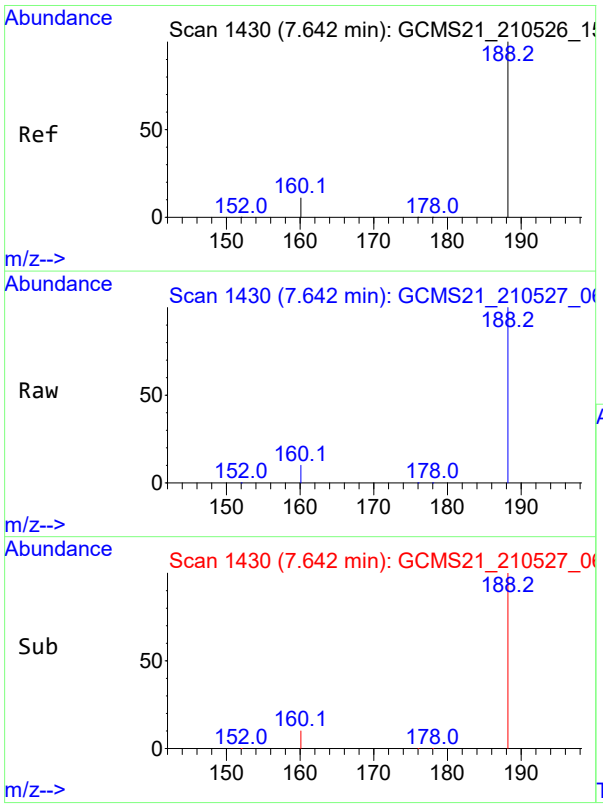


#10
Fluorene
Concen: 32.02 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:166 Resp: 30033

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.1	125.1

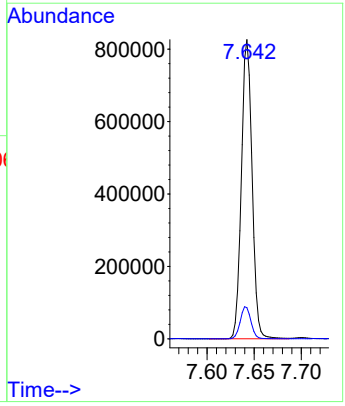


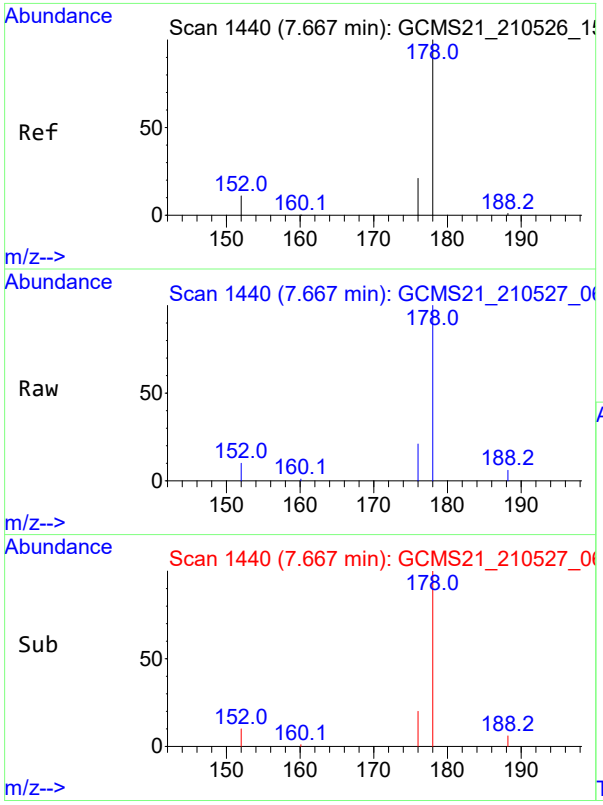


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:188 Resp: 651805

Ion	Ratio	Lower	Upper
188	100		
160	10.7	0.0	39.8

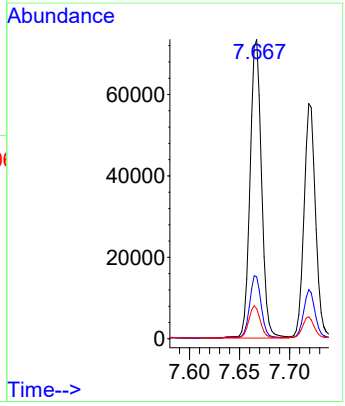


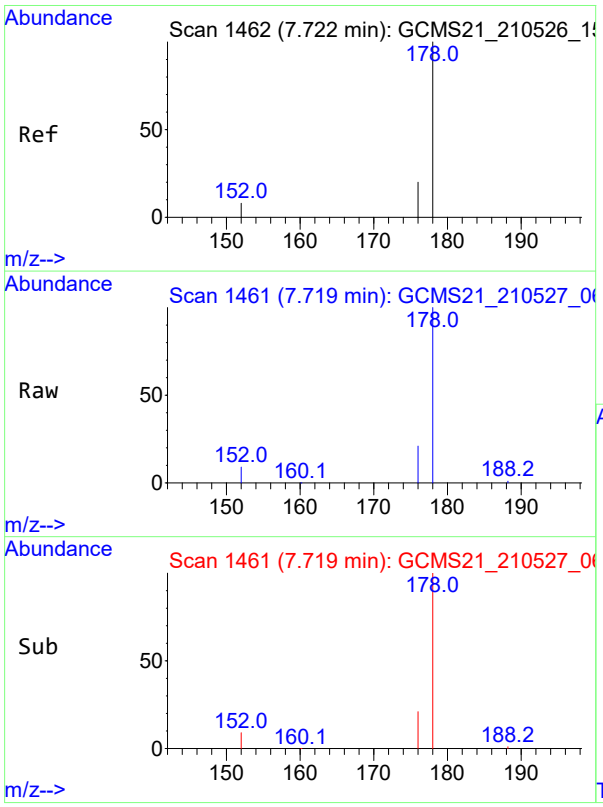


#12
Phenanthrene
Concen: 37.03 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:178 Resp: 58252

Ion	Ratio	Lower	Upper
178	100		
176	20.5	0.0	50.9
152	10.5	0.0	40.5

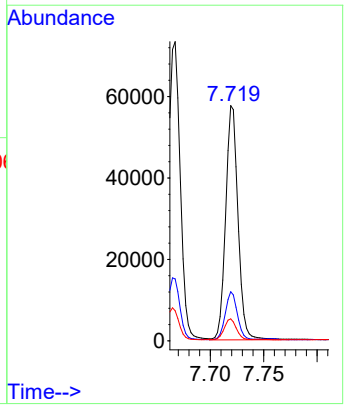


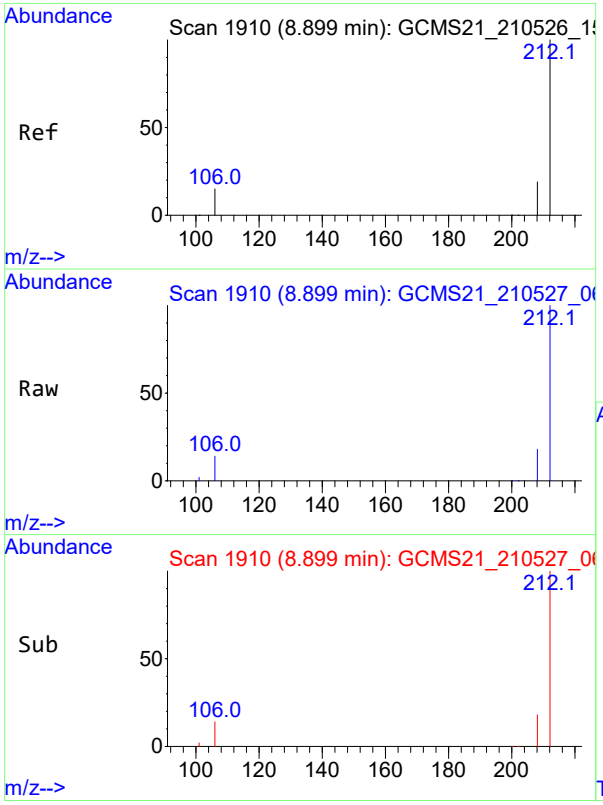


#13
Anthracene
Concen: 35.41 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:178 Resp: 46315

Ion	Ratio	Lower	Upper
178	100		
176	19.8	0.0	50.2
152	8.8	0.0	38.2

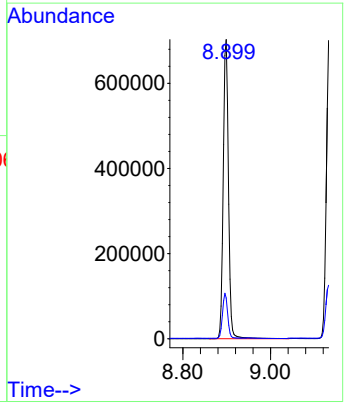


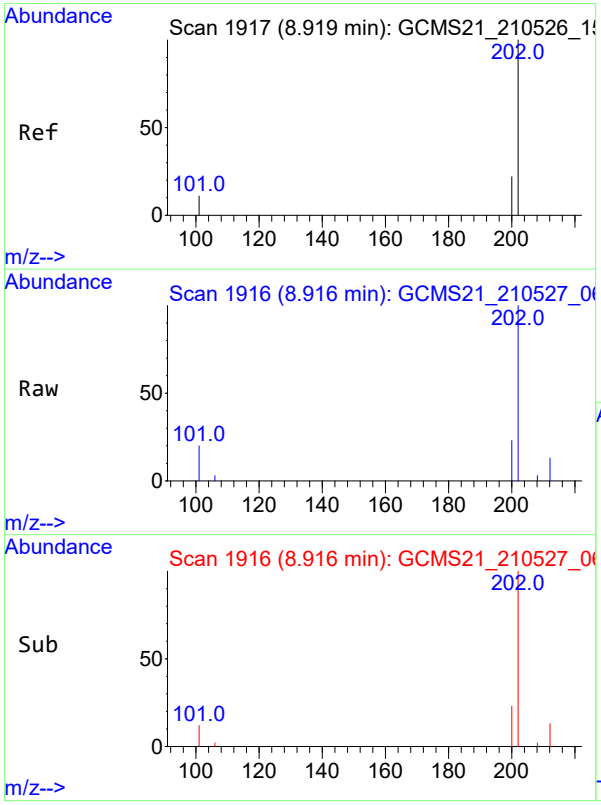


#14
Fluoranthene-D10
Concen: 410.87 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:212 Resp: 579878

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

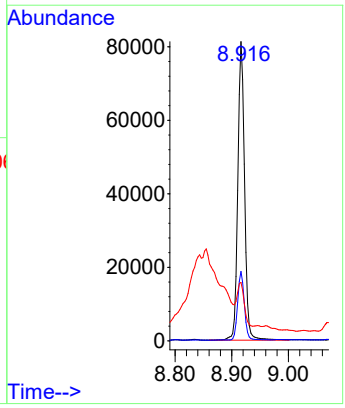


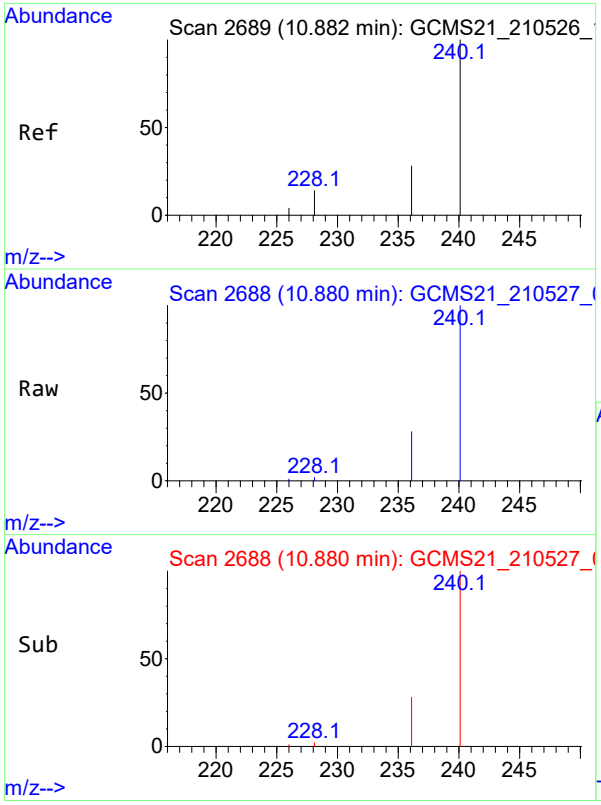


#15
Fluoranthene
Concen: 40.49 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:202 Resp: 67224

Ion	Ratio	Lower	Upper
202	100		
200	22.5	0.0	52.4
101	17.6	0.0	41.1

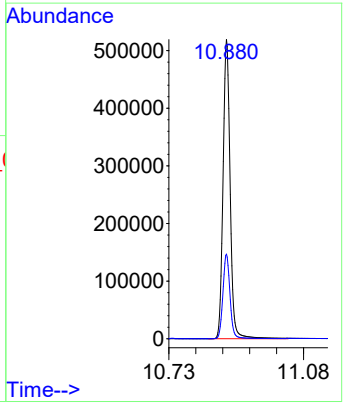


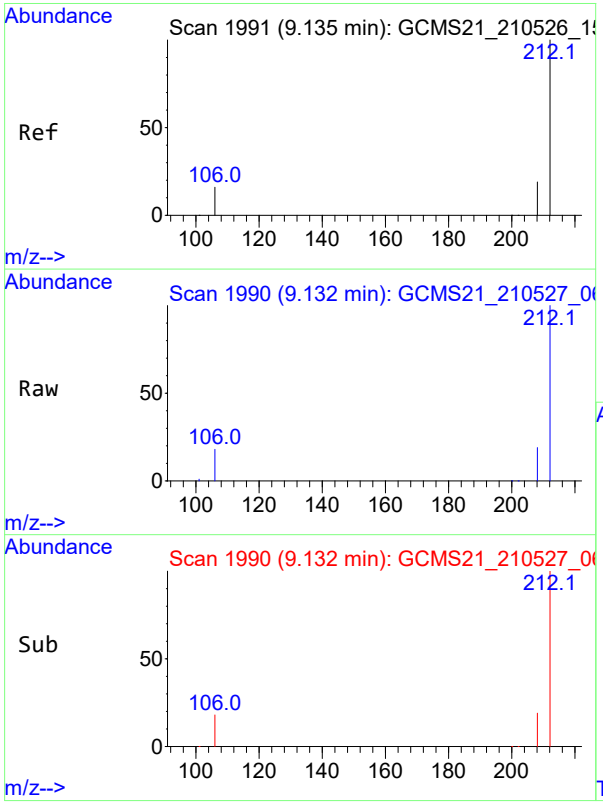


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.880 min Scan# 2688
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:240 Resp: 671403

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.6

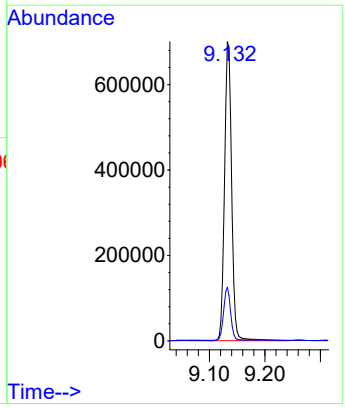


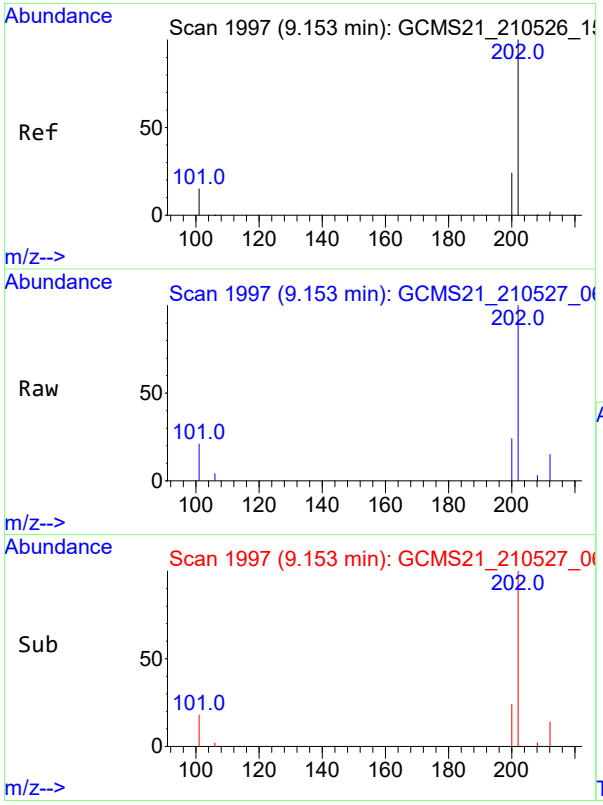


#17
Pyrene-D10
Concen: 406.28 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:212 Resp: 622366

Ion	Ratio	Lower	Upper
212	100		
106	17.3	0.0	46.2

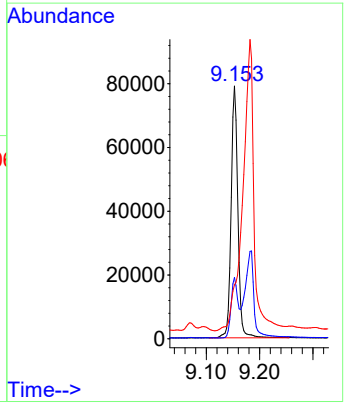


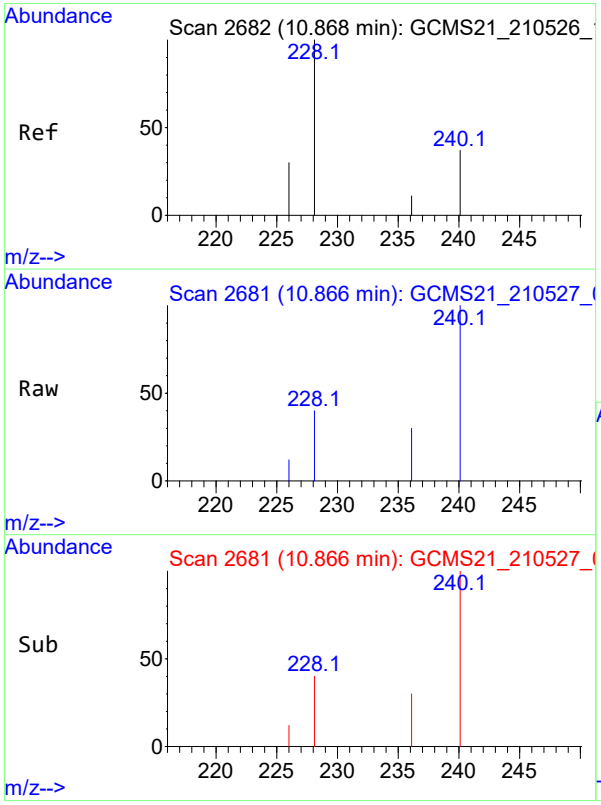


#18
Pyrene
Concen: 38.69 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:202 Resp: 69227

Ion	Ratio	Lower	Upper
202	100		
200	26.0	0.0	53.9
101	0.0	0.0	44.5

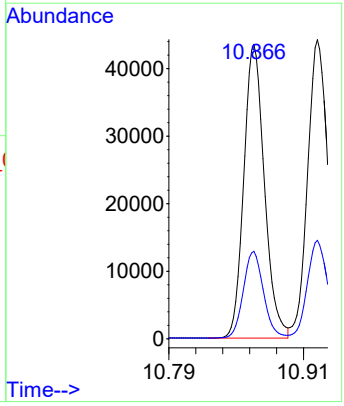


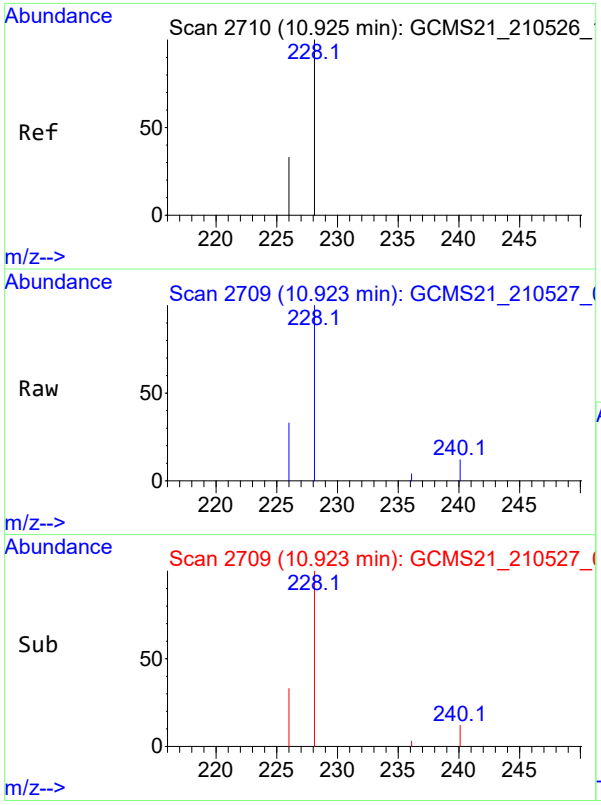


#19
Benzo(a)anthracene
Concen: 41.58 ng/mL
RT: 10.866 min Scan# 2681
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:228 Resp: 56149

Ion	Ratio	Lower	Upper
228	100		
226	28.8	0.0	59.8

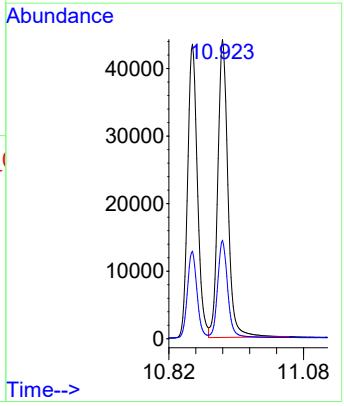


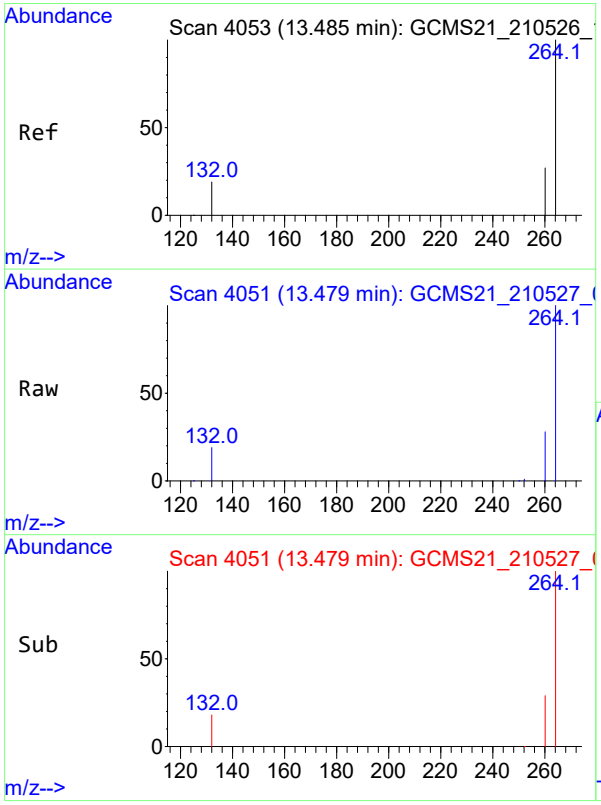


#20
Chrysene
Concen: 35.53 ng/mL
RT: 10.923 min Scan# 2709
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:228 Resp: 59230

Ion	Ratio	Lower	Upper
228	100		
226	32.3	2.8	62.8

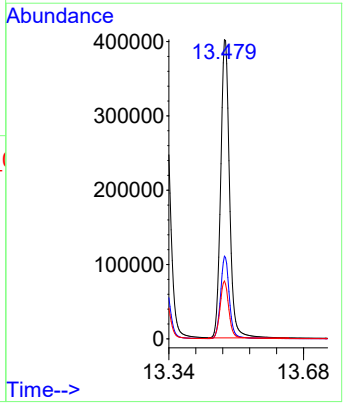


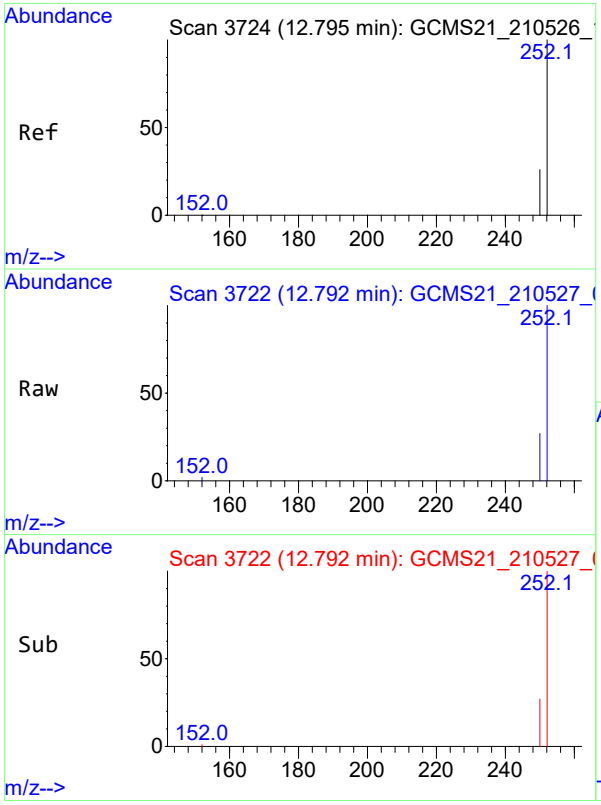


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.479 min Scan# 4051
Delta R.T. -0.006 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:264 Resp: 633510

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	19.2	0.0	49.5

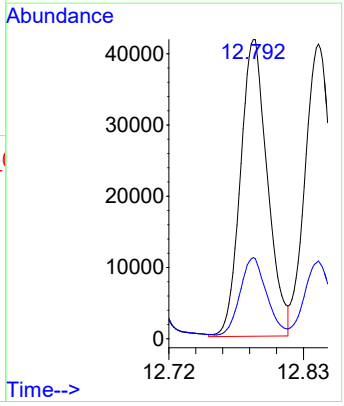


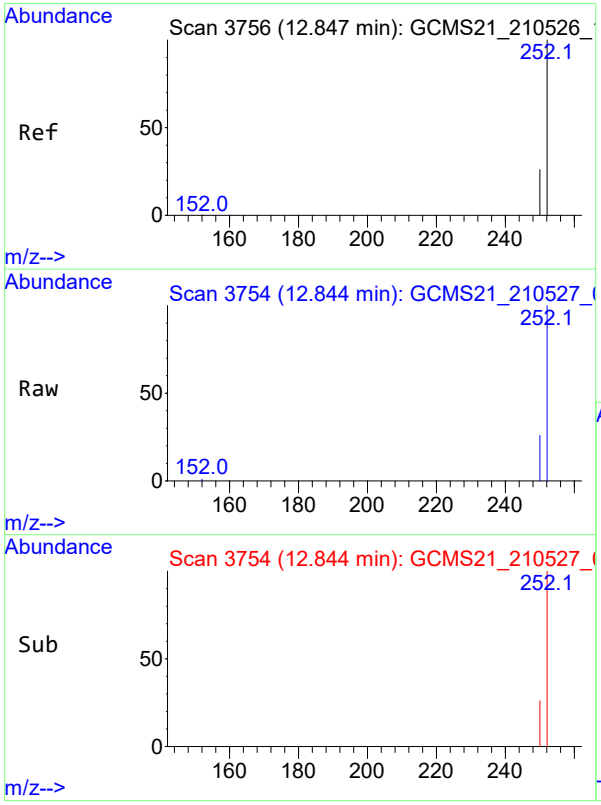


#22
Benzo(b)fluoranthene
Concen: 47.45 ng/mL
RT: 12.792 min Scan# 3722
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 62397

Ion	Ratio	Lower	Upper
252	100		
250	27.0	0.0	56.2

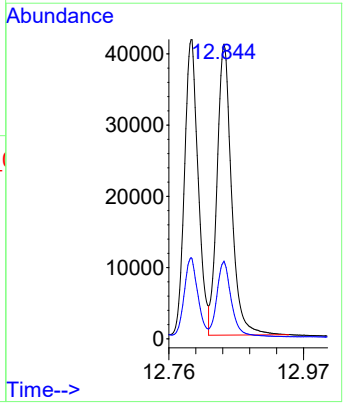


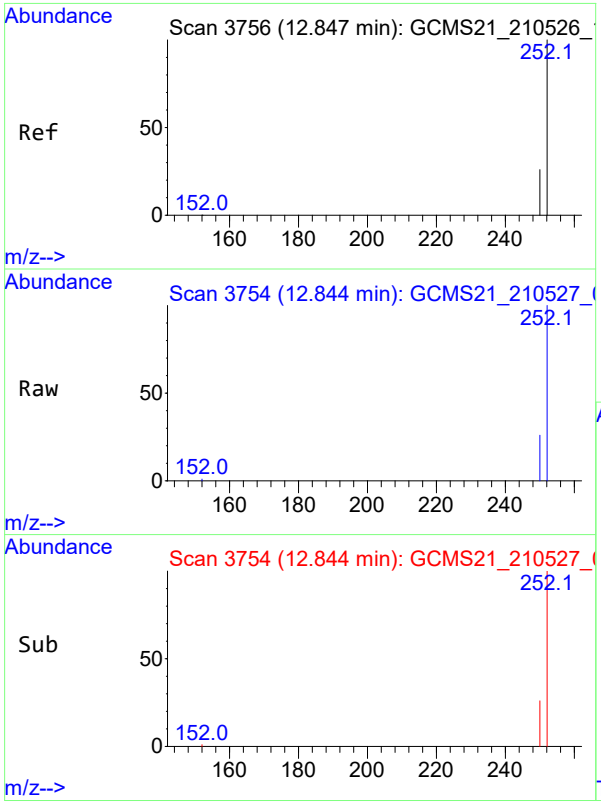


#23
Benzo(k)fluoranthene
Concen: 44.43 ng/mL
RT: 12.844 min Scan# 3754
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 64757

Ion	Ratio	Lower	Upper
252	100		
250	25.9	0.0	55.6

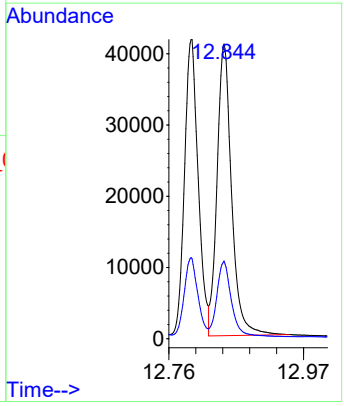


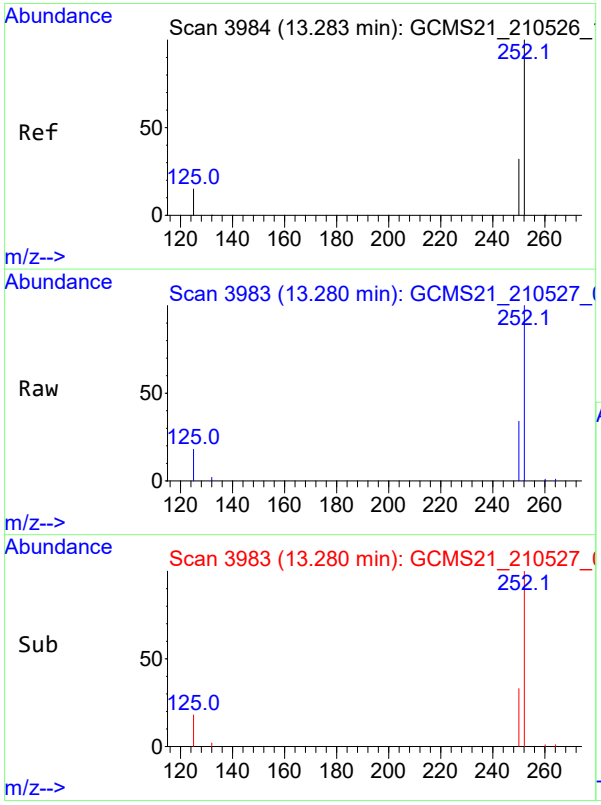


#24
benzo(b+k)fluoranthene (sum)
Concen: 45.61 ng/mL
RT: 12.844 min Scan# 3754
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 65170

Ion	Ratio	Lower	Upper
252	100		
250	26.1	0.0	55.6

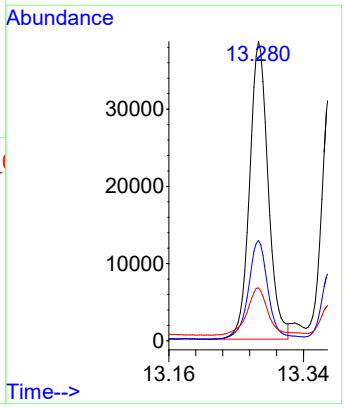


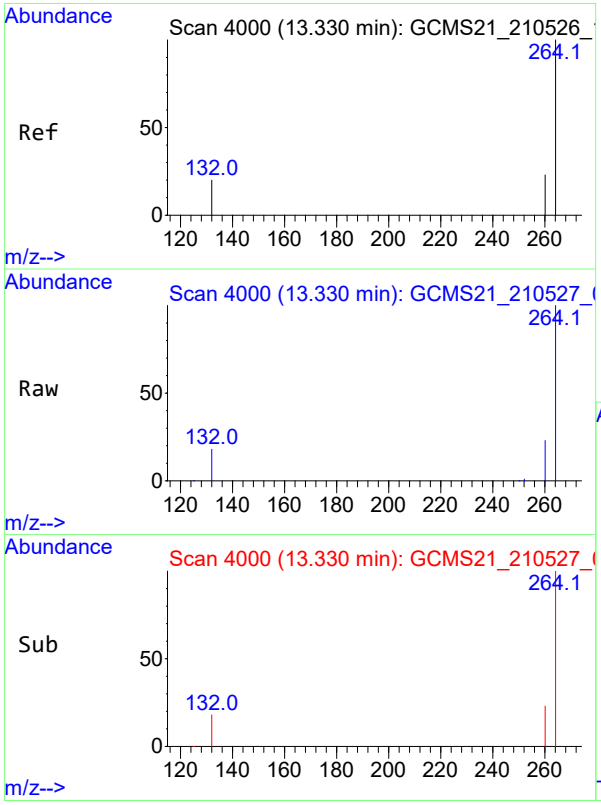


#25
Benzo(e)pyrene
Concen: 48.31 ng/mL
RT: 13.280 min Scan# 3983
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 64079

Ion	Ratio	Lower	Upper
252	100		
250	35.6	2.2	62.2
125	18.5	0.0	45.4

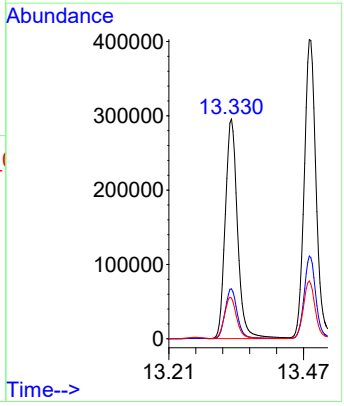


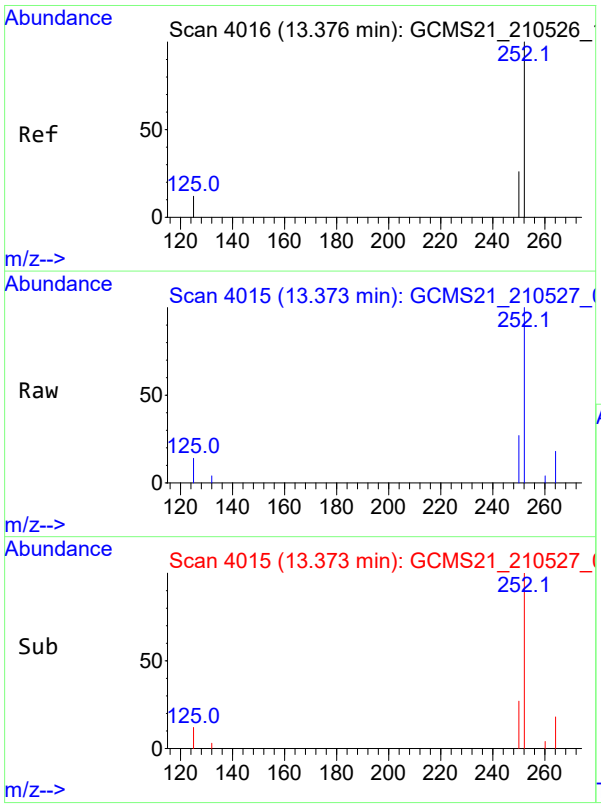


#26
Benzo(a)pyrene-D12
Concen: 468.55 ng/mL
RT: 13.330 min Scan# 4000
Delta R.T. -0.000 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:264 Resp: 482260

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.8	0.0	49.7

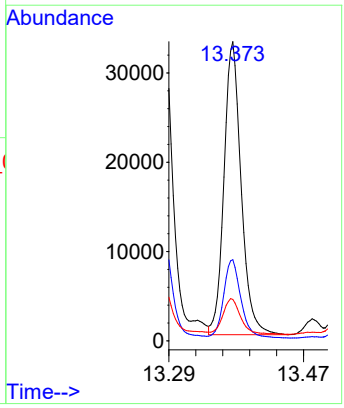


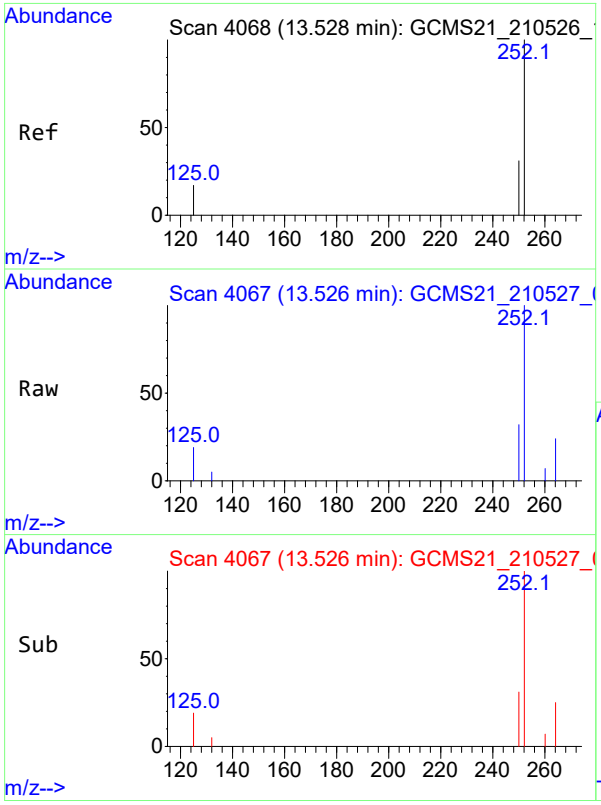


#27
Benzo(a)pyrene
Concen: 43.19 ng/mL
RT: 13.373 min Scan# 4015
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 51839

Ion	Ratio	Lower	Upper
252	100		
250	27.1	0.0	56.4
125	12.7	0.0	41.7

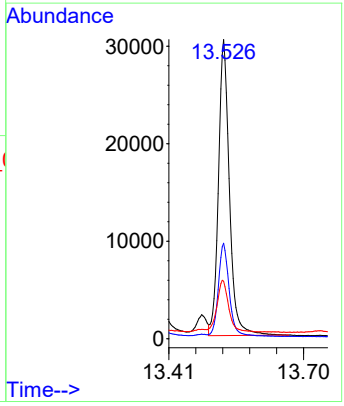


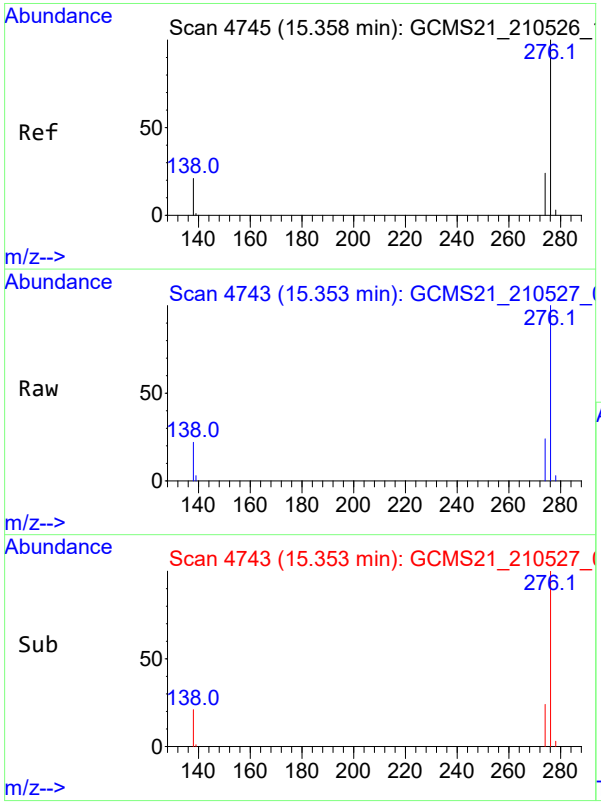


#28
Perylene
Concen: 36.55 ng/mL
RT: 13.526 min Scan# 4067
Delta R.T. -0.002 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:252 Resp: 49259

Ion	Ratio	Lower	Upper
252	100		
250	31.6	1.5	61.5
125	18.6	0.0	46.6

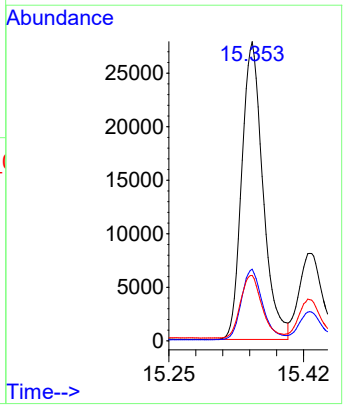


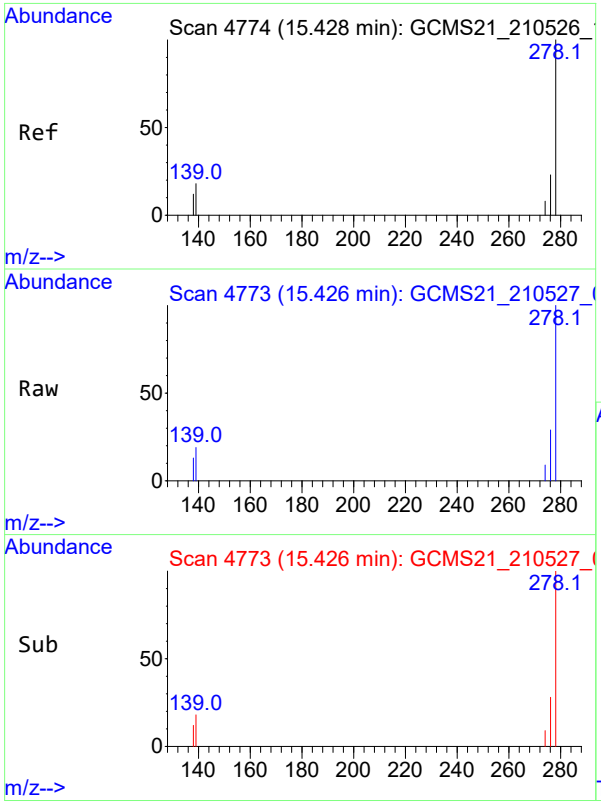


#29
Indeno(1,2,3-cd)pyrene
Concen: 48.28 ng/mL
RT: 15.353 min Scan# 4743
Delta R.T. -0.005 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:276 Resp: 49582

Ion	Ratio	Lower	Upper
276	100		
274	23.8	0.0	53.8
138	21.5	0.0	50.7

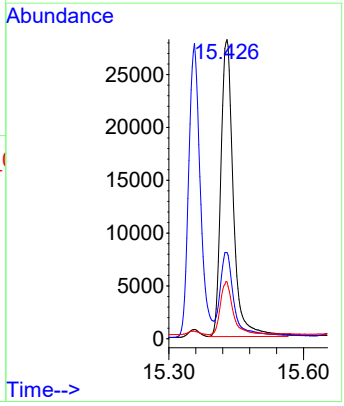


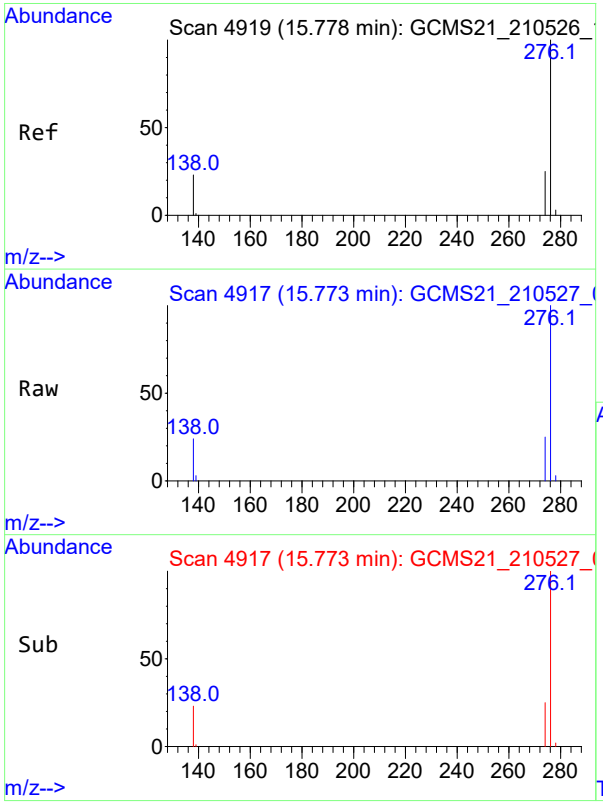


#30
Dibenz(a,h)anthracene
Concen: 52.67 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. -0.003 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:278 Resp: 53906

Ion	Ratio	Lower	Upper
278	100		
276	31.7	0.0	52.8
139	18.0	0.0	47.6

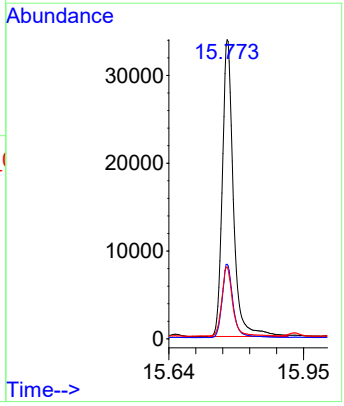




#31
Benzo(g,h,i)perylene
Concen: 45.47 ng/mL
RT: 15.773 min Scan# 4917
Delta R.T. -0.005 min
Lab File: GCMS21_210527_06.D
Acq: 27 May 2021 12:24

Tgt Ion:276 Resp: 60667

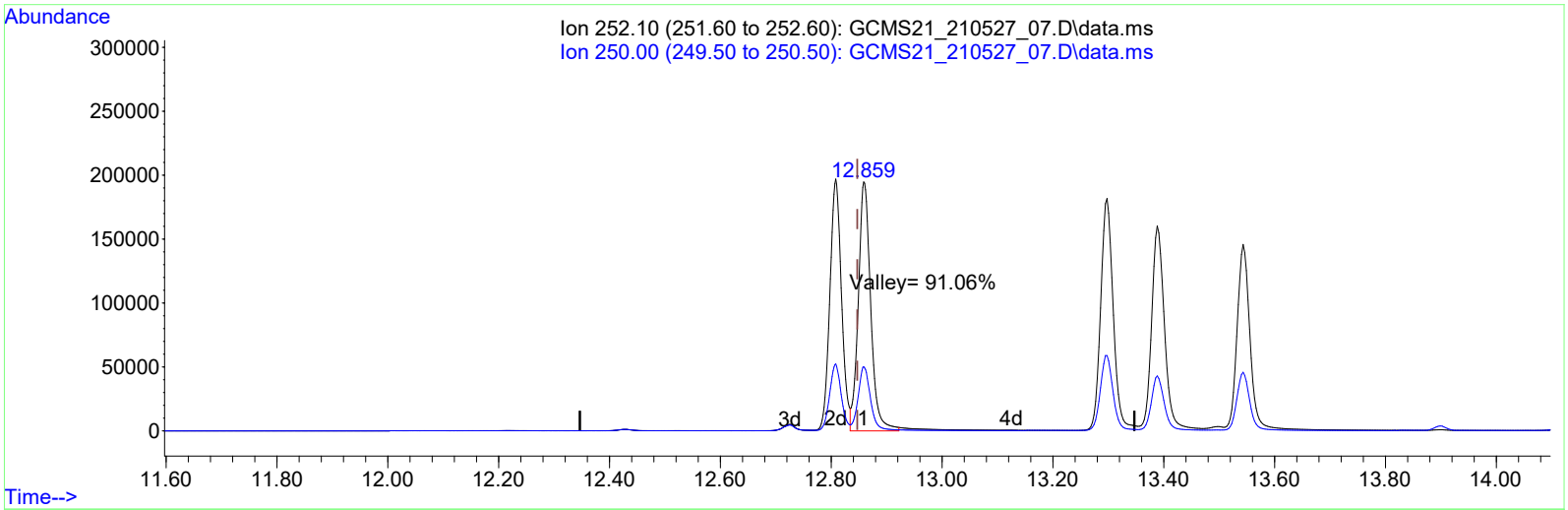
Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	54.8
138	22.7	0.0	52.9

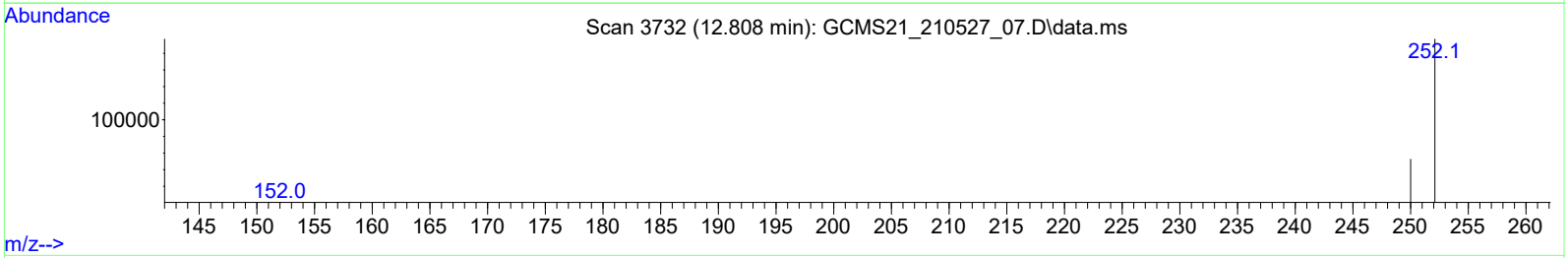


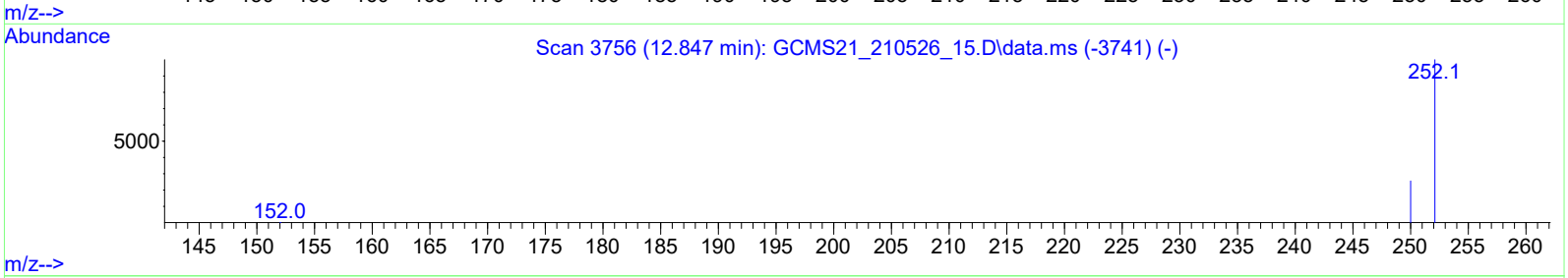
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_07.D
Acq On : 27 May 2021 14:35
Operator : MN GCMS21
Sample : B21E006-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 11:29:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_07.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.808min (-0.039) 388.76 ng/mL m

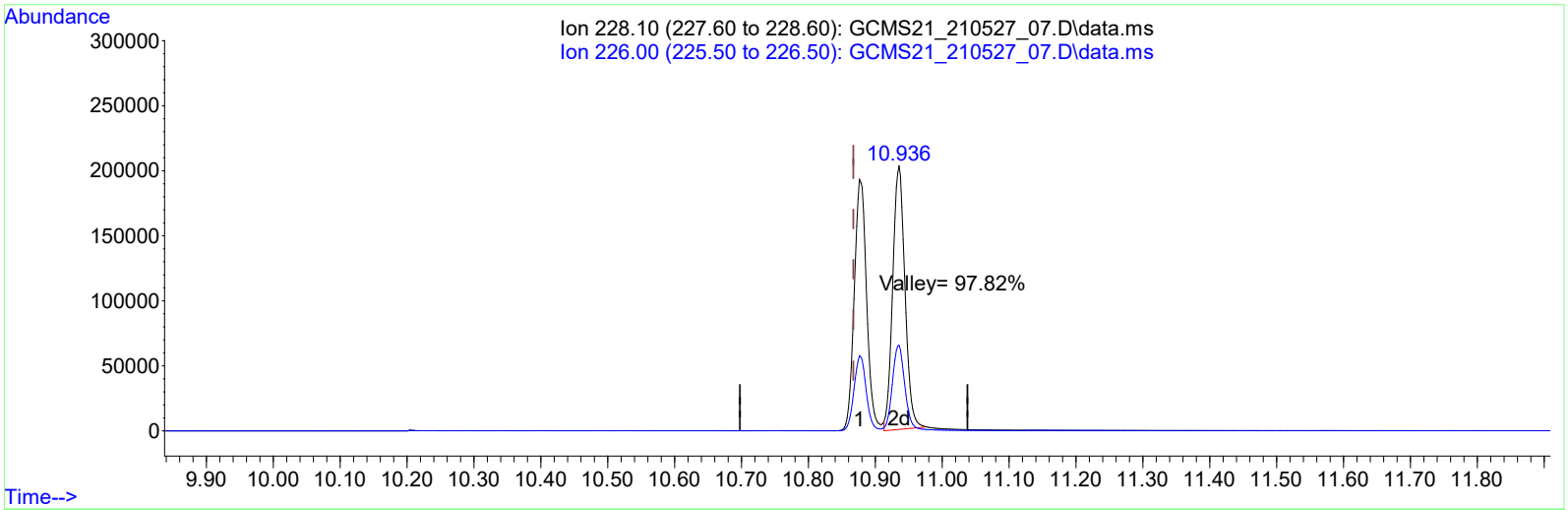
response 586345

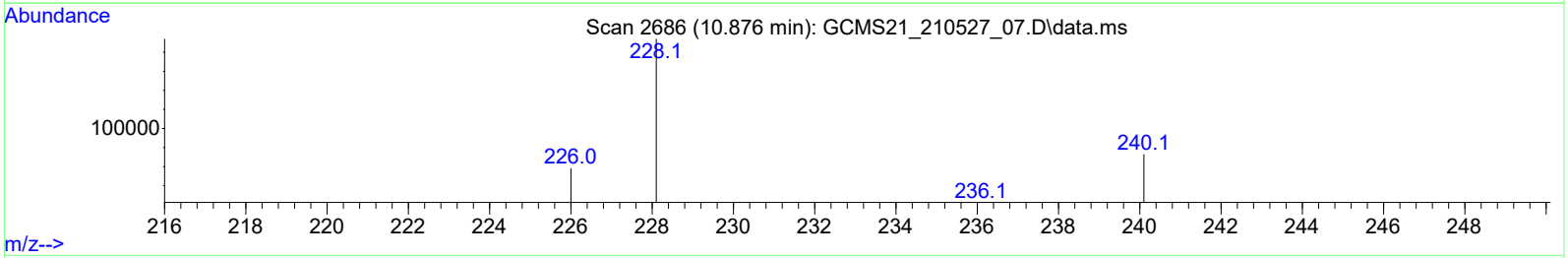
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	25.88
0.00	0.00	0.00
0.00	0.00	0.00

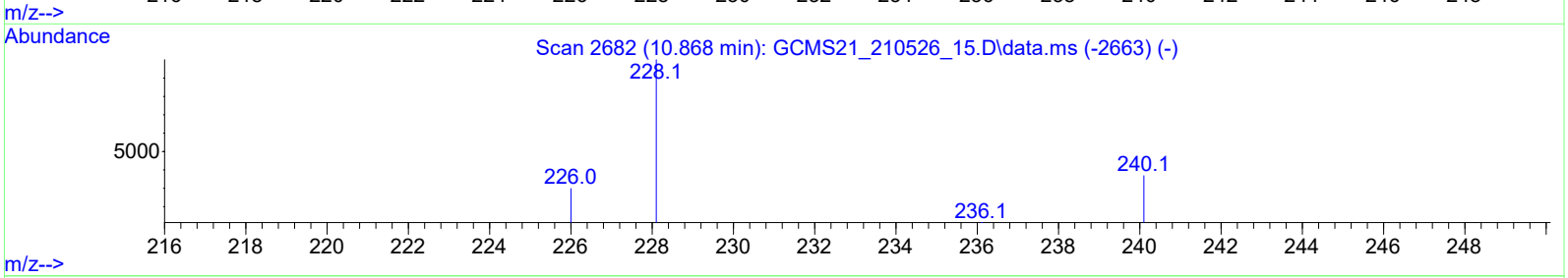
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_07.D
Acq On : 27 May 2021 14:35
Operator : MN GCMS21
Sample : B21E006-BS1
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 11:29:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_07.D\data.ms

(19) Benzo(a)anthracene (M)

10.876min (+ 0.008) 183.91 ng/mL

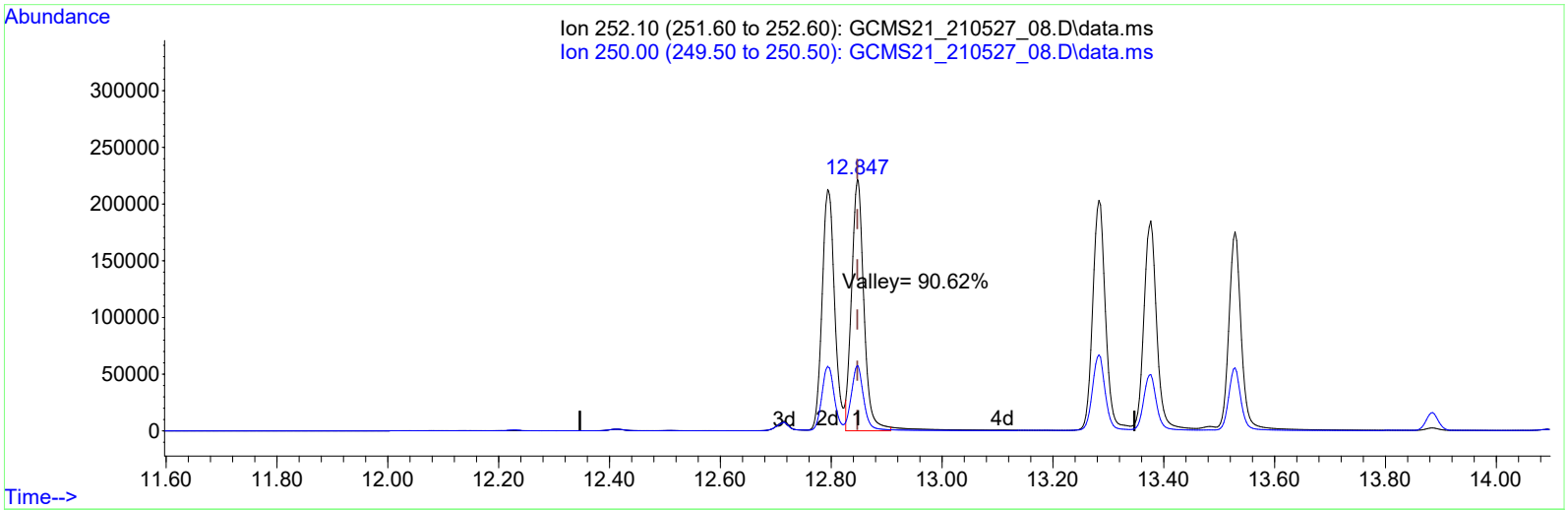
response 248111

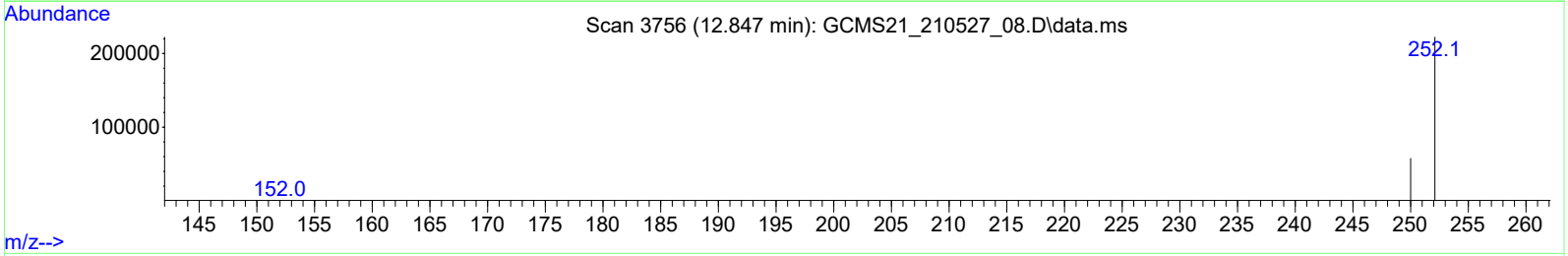
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	29.45
0.00	0.00	0.00
0.00	0.00	0.00

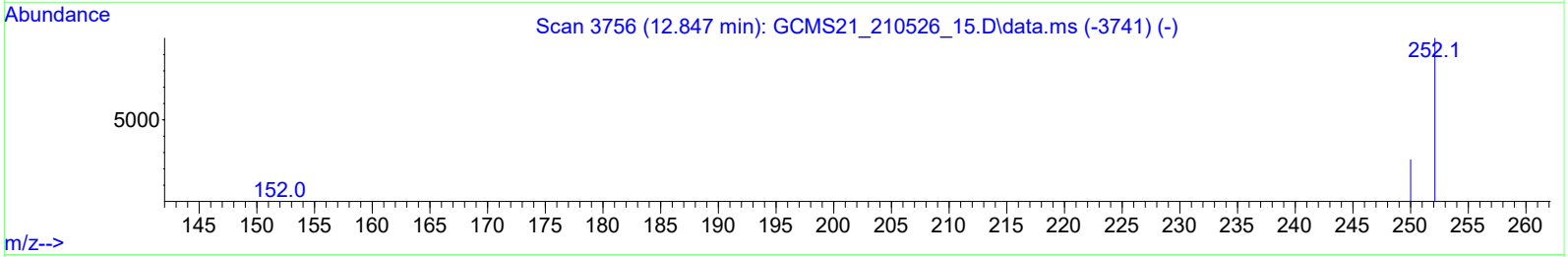
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_08.D
Acq On : 27 May 2021 15:00
Operator : MN GCMS21
Sample : B21E006-BSD1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 11:29:47 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_08.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.847min (+ 0.000) 403.09 ng/mL m

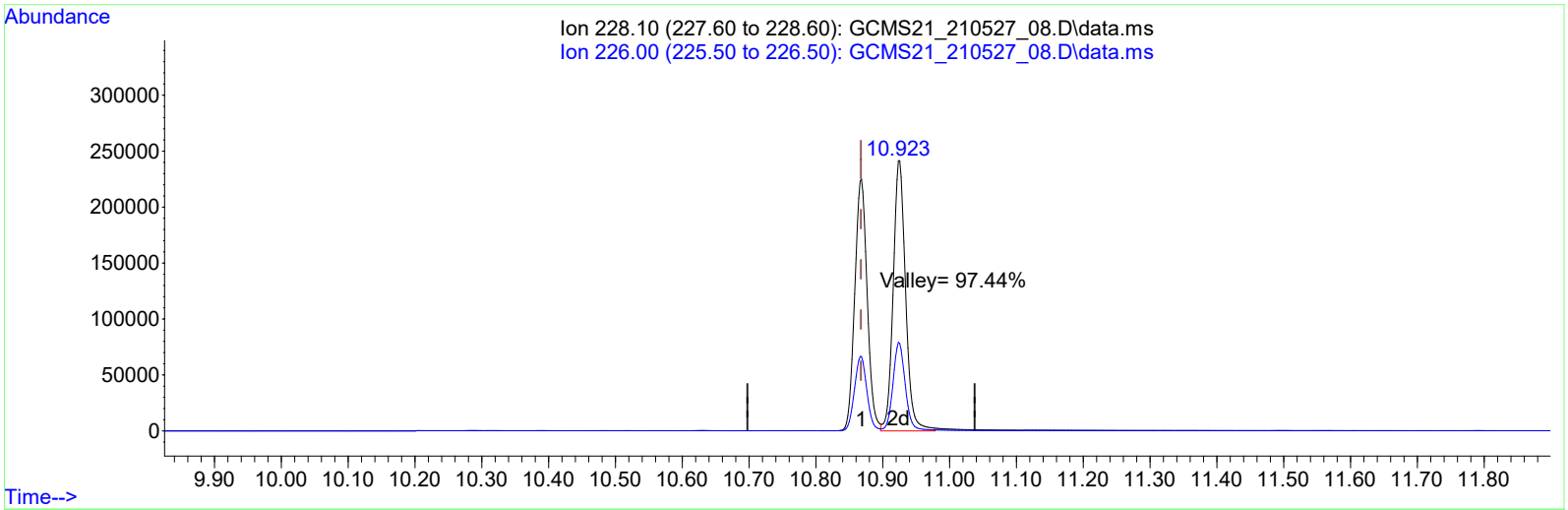
response 675089

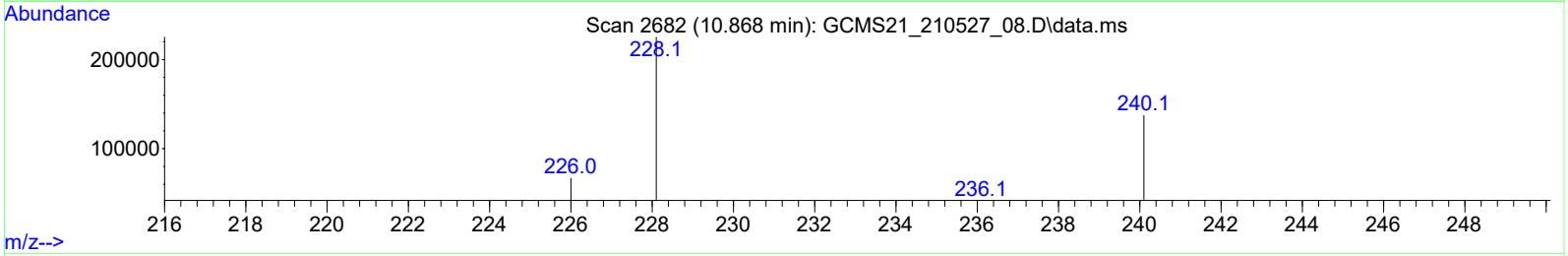
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	25.55
0.00	0.00	0.00
0.00	0.00	0.00

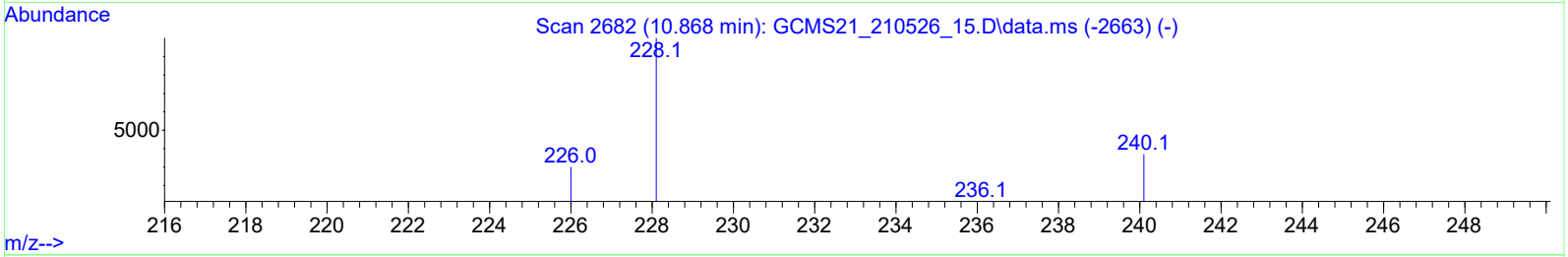
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_08.D
Acq On : 27 May 2021 15:00
Operator : MN GCMS21
Sample : B21E006-BSD1
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 28 11:29:47 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_08.D\data.ms

(19) Benzo(a)anthracene (M)

10.868min (+ 0.000) 190.33 ng/mL

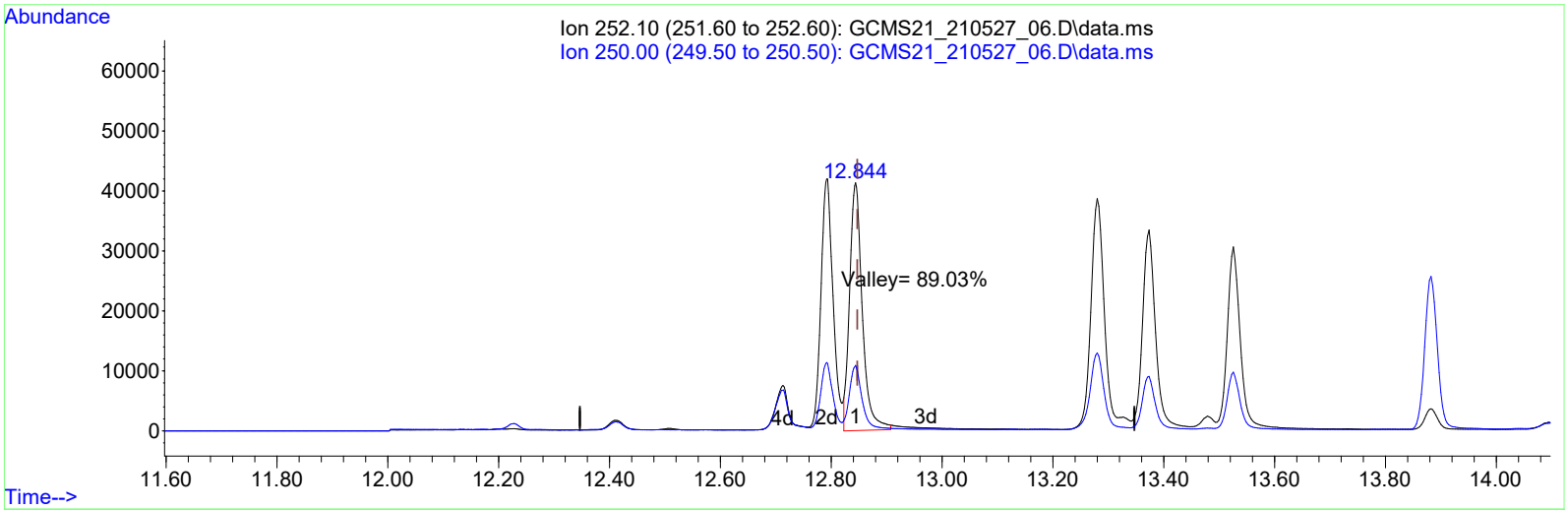
response 291381

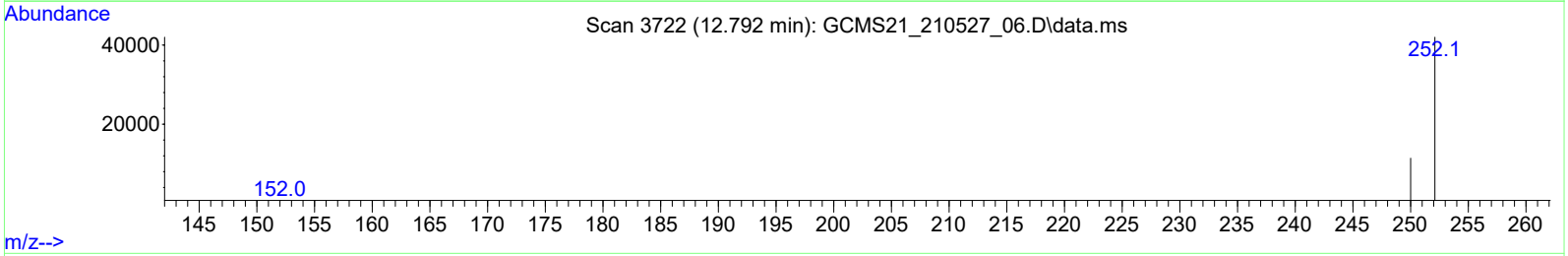
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	29.46
0.00	0.00	0.00
0.00	0.00	0.00

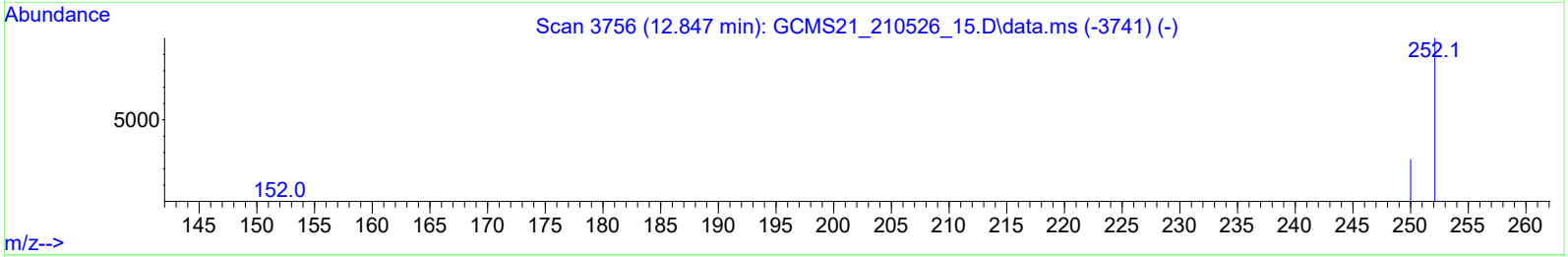
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_06.D
Acq On : 27 May 2021 12:24
Operator : MN GCMS21
Sample : B21E006-MRL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:29:08 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_06.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.792min (-0.055) 44.30 ng/mL m

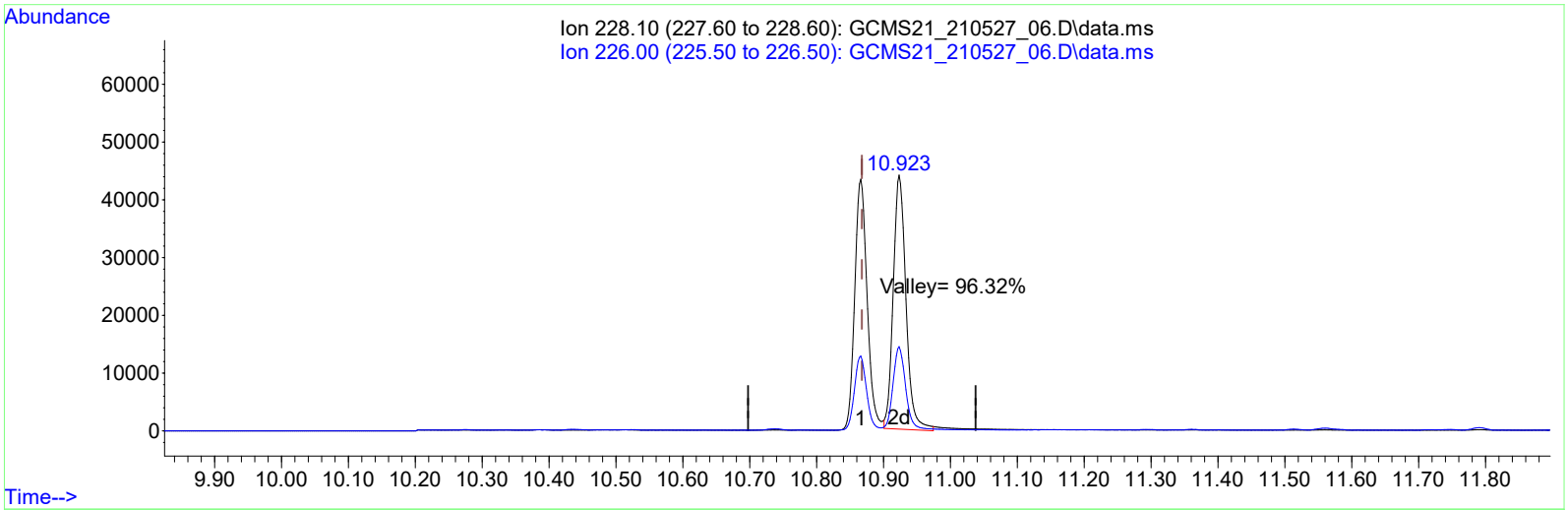
response 63294

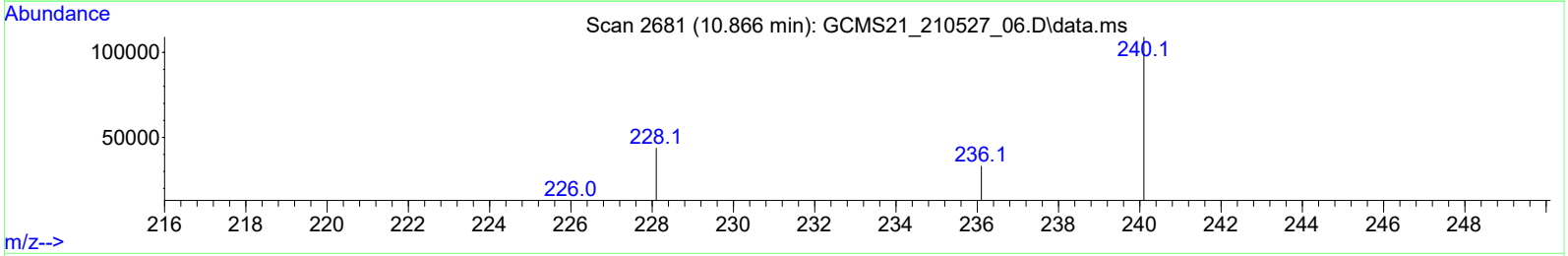
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	52.07
0.00	0.00	0.00
0.00	0.00	0.00

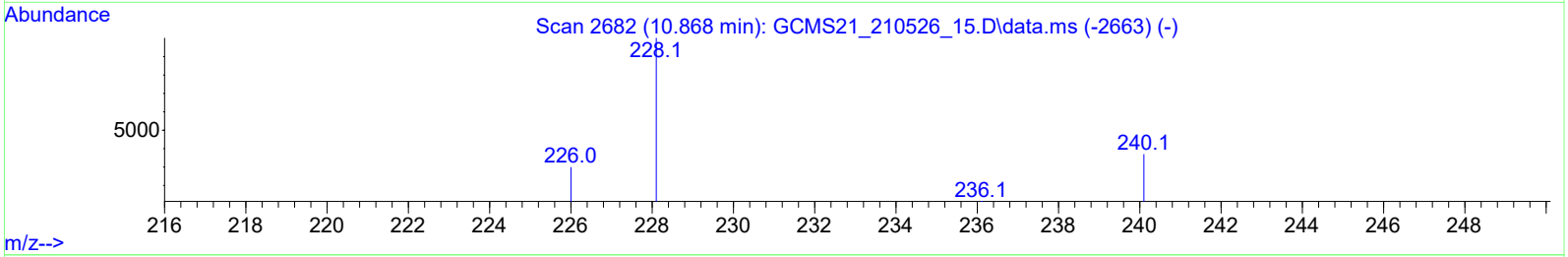
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_06.D
Acq On : 27 May 2021 12:24
Operator : MN GCMS21
Sample : B21E006-MRL1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 11:29:08 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_06.D\data.ms

(19) Benzo(a)anthracene (M)

10.866min (-0.002) 41.58 ng/mL

response 56149

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	28.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_09.D
Acq On : 27 May 2021 15:25
Operator : MN GCMS21
Sample : 2105001-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 11:30:11 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

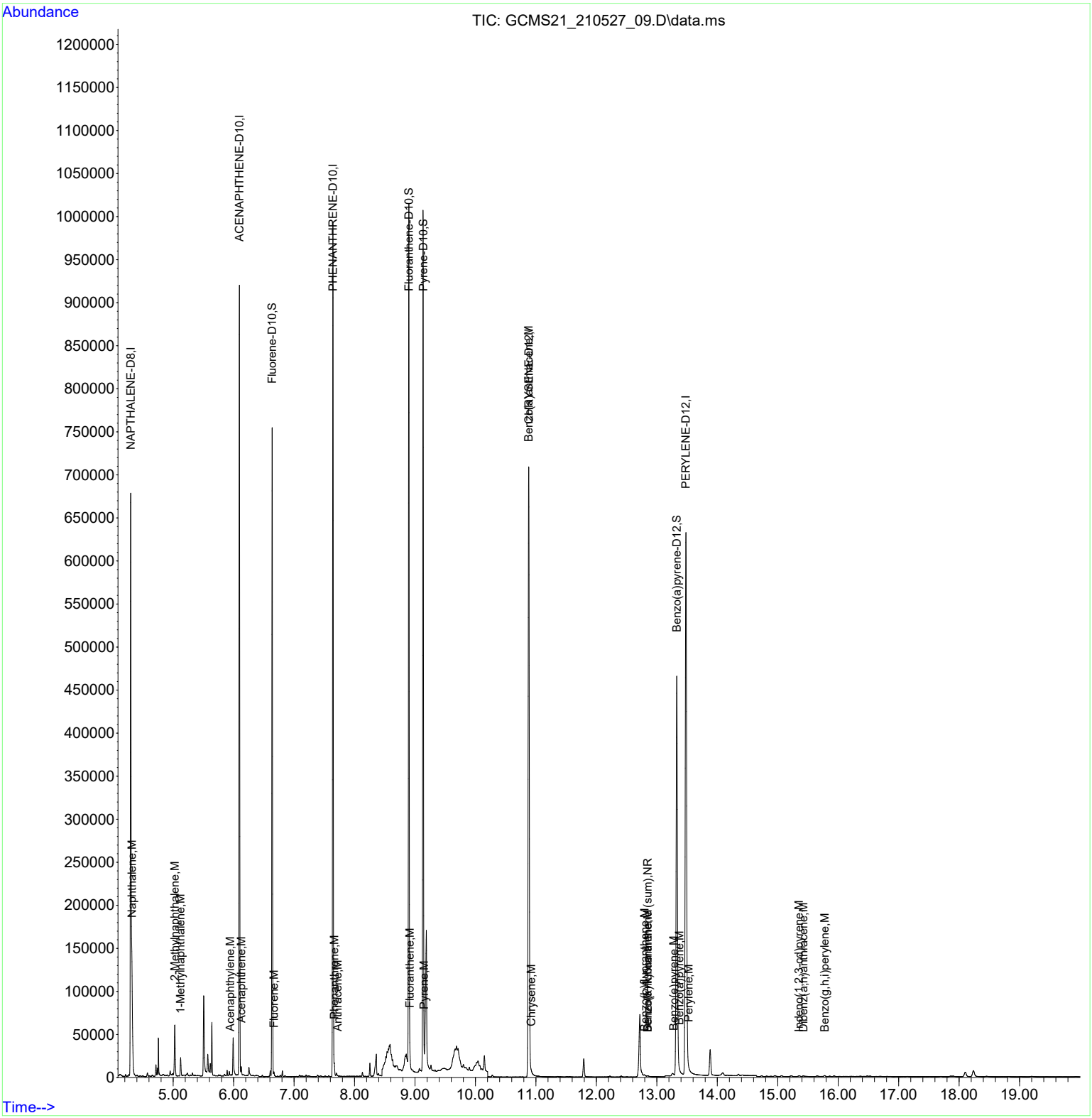
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	613019	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	354630	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	704476	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	743735	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	694394	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.637	176	288548	339.85	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	612170	401.32	ng/mL	0.00
17) Pyrene-D10	9.135	212	653657	385.21	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.330	264	512386	454.17	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.318	128	48967	41.63	ng/mL	100
4) 2-Methylnaphthalene	5.028	142	18793	21.69	ng/mL	99
5) 1-Methylnaphthalene	5.124	142	8362	11.59	ng/mL	99
7) Acenaphthylene	5.942	152	740	0.63	ng/mL#	1
8) Acenaphthene	6.126	153	2860	3.17	ng/mL	88
10) Fluorene	6.668	166	1765	1.77	ng/mL	87
12) Phenanthrene	7.667	178	6842	4.02	ng/mL	97
13) Anthracene	7.719	178	498	0.35	ng/mL#	18
15) Fluoranthene	8.916	202	4413	2.46	ng/mL	78
18) Pyrene	9.153	202	2862	1.44	ng/mL#	56
19) Benzo(a)anthracene	10.878	228	3582	2.39	ng/mL	73
20) Chrysene	10.923	228	1338	0.72	ng/mL	96
22) Benzo(b)fluoranthene	12.795	252	2488	1.73	ng/mL	88
23) Benzo(k)fluoranthene	12.849	252	1046	0.65	ng/mL	96
24) benzo(b+k)fluoranthene...	12.849	252	1094	0.70	ng/mL	97
25) Benzo(e)pyrene	13.277	252	2267	1.56	ng/mL#	41
27) Benzo(a)pyrene	13.374	252	1069	0.81	ng/mL	87
28) Perylene	13.526	252	340	0.23	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.353	276	1266	1.12	ng/mL	98
30) Dibenz(a,h)anthracene	15.423	278	597	0.53	ng/mL#	24
31) Benzo(g,h,i)perylene	15.778	276	1198	0.82	ng/mL	94

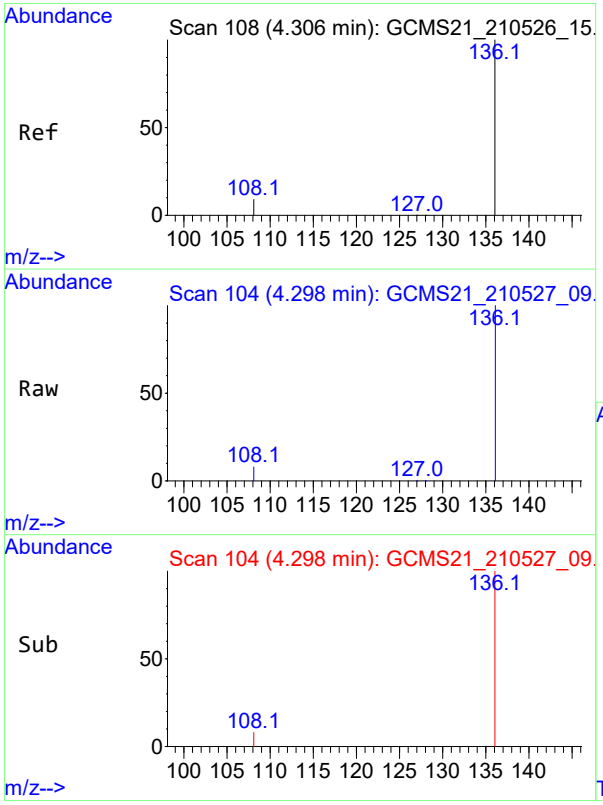
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_09.D
Acq On : 27 May 2021 15:25
Operator : MN GCMS21
Sample : 2105001-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 28 11:30:11 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

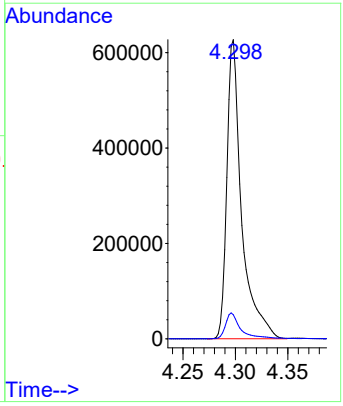


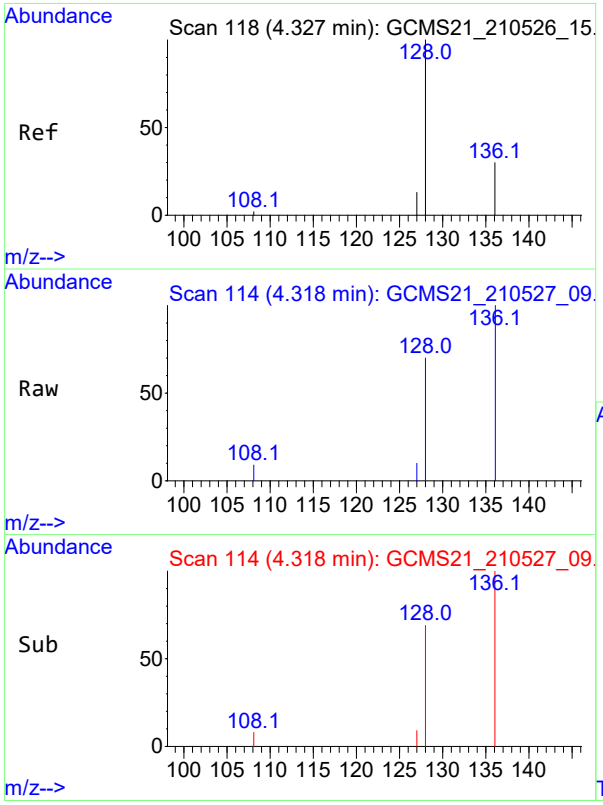


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:136 Resp: 613019

Ion	Ratio	Lower	Upper
136	100		
108	9.0	0.0	28.3

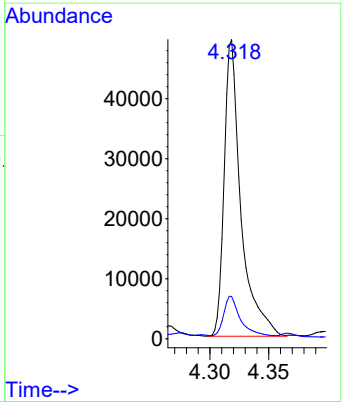


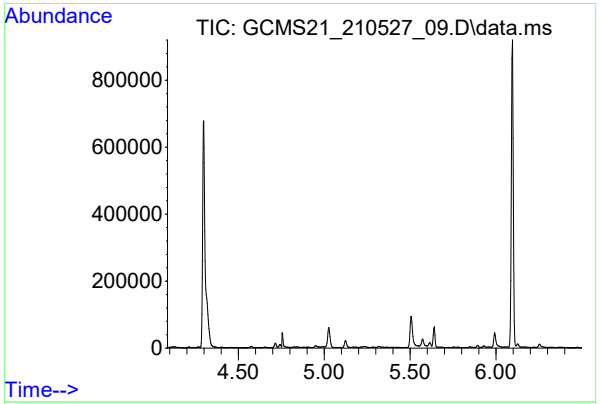


#2
Naphthalene
Concen: 41.63 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:128 Resp: 48967

Ion	Ratio	Lower	Upper
128	100		
127	13.2	0.0	43.3



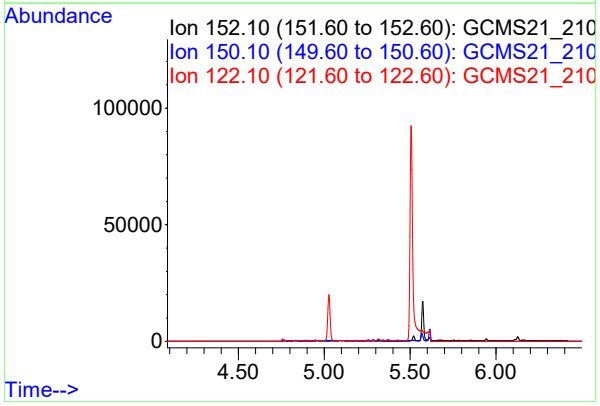


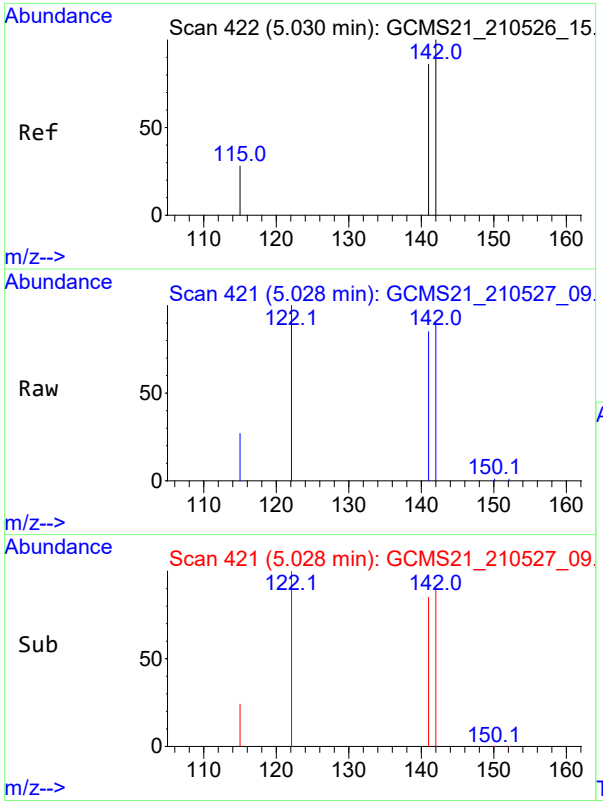
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5

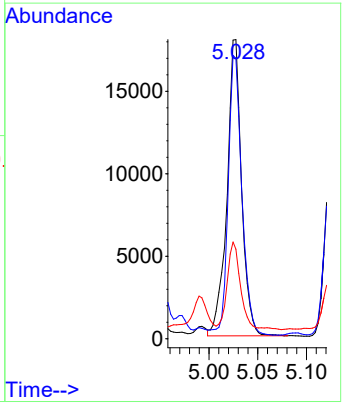


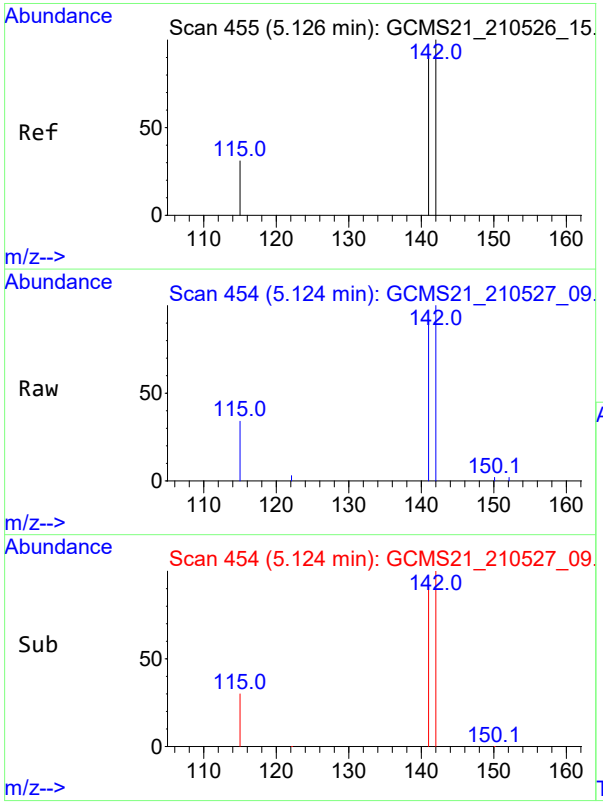


#4
2-Methylnaphthalene
Concen: 21.69 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:142 Resp: 18793

Ion	Ratio	Lower	Upper
142	100		
141	87.9	56.3	116.3
115	27.2	0.0	57.4

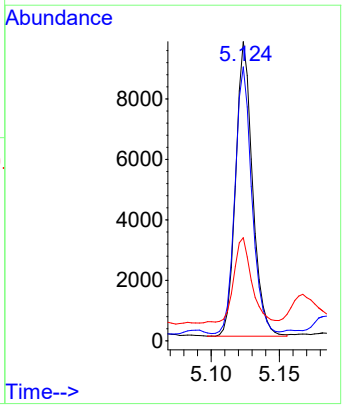


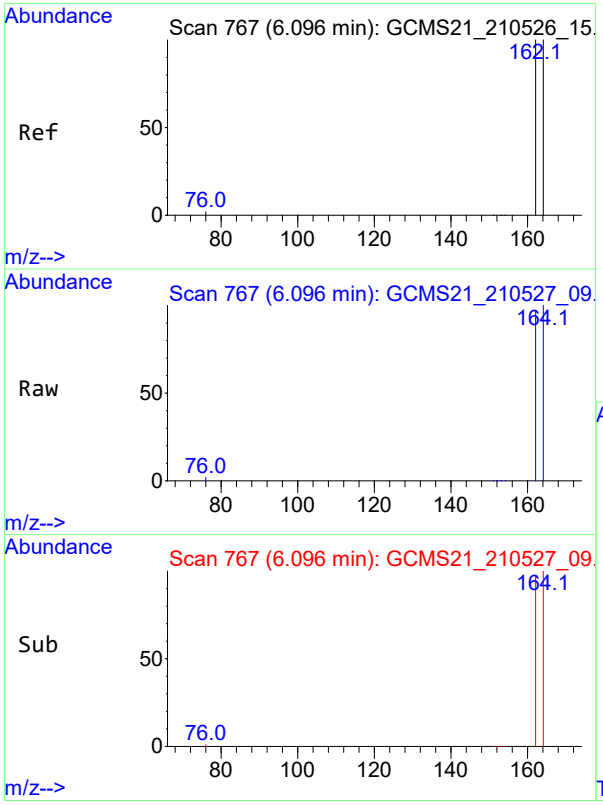


#5
1-Methylnaphthalene
Concen: 11.59 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:142 Resp: 8362

Ion	Ratio	Lower	Upper
142	100		
141	90.8	61.5	121.5
115	30.9	0.2	60.2

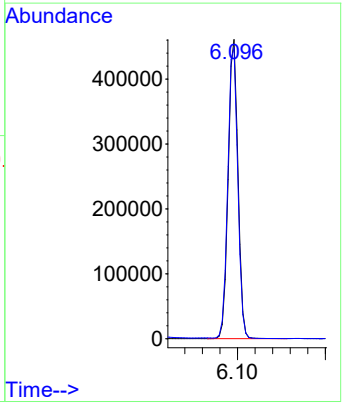


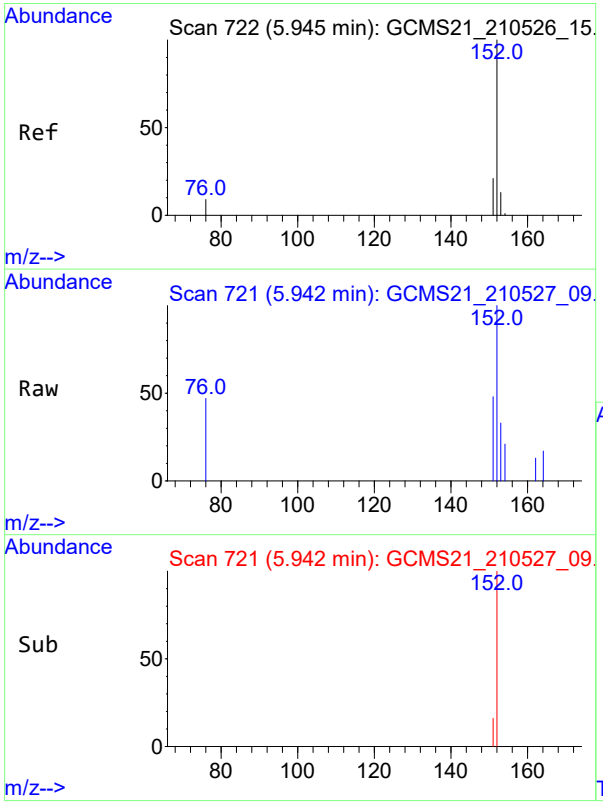


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:164 Resp: 354630

Ion	Ratio	Lower	Upper
164	100		
162	99.7	77.7	117.7

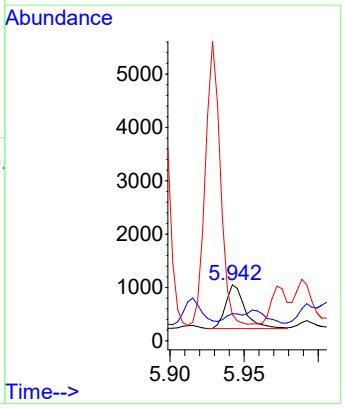


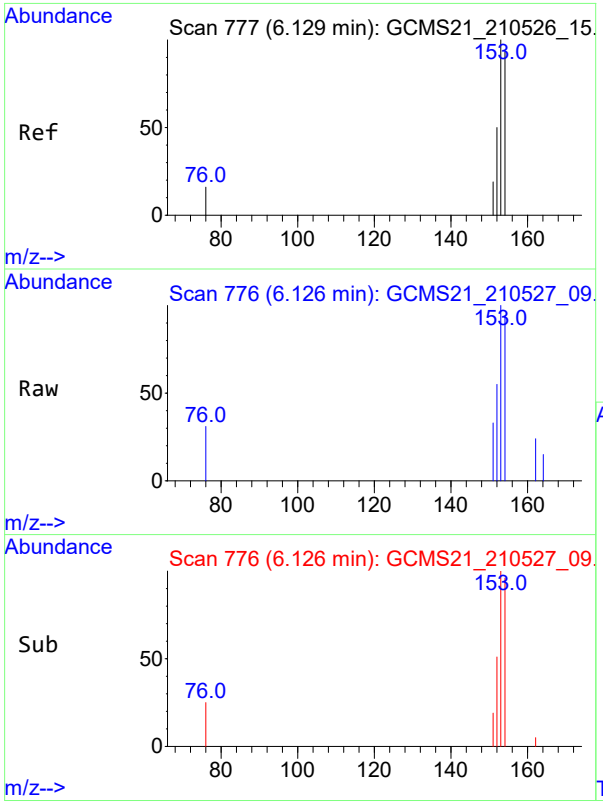


#7
Acenaphthylene
Concen: 0.63 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:152 Resp: 740

Ion	Ratio	Lower	Upper
152	100		
151	49.7	0.0	52.0
76	507.6	0.0	39.5#

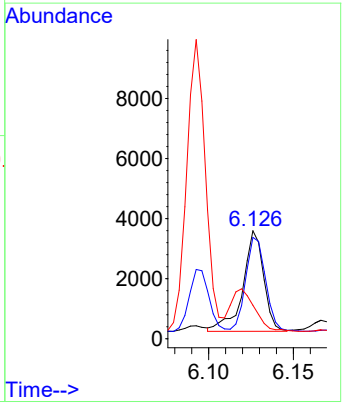


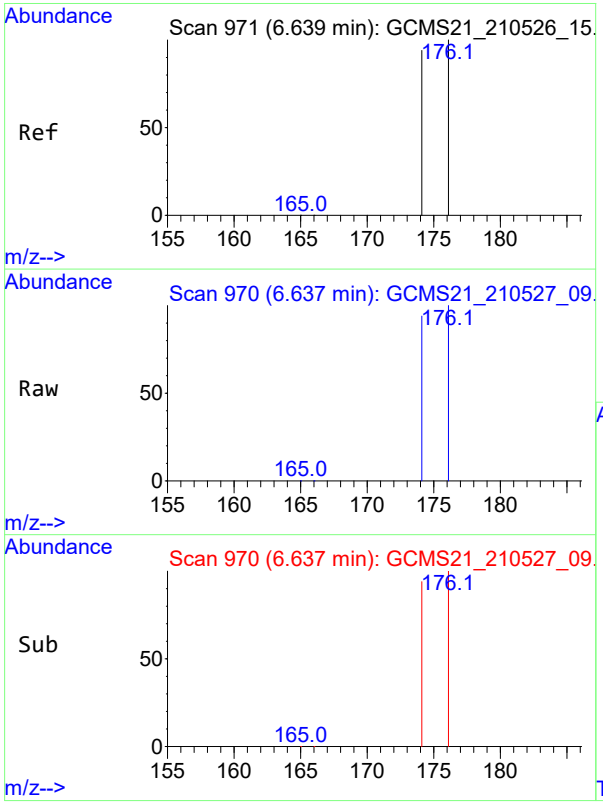


#8
Acenaphthene
Concen: 3.17 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:153 Resp: 2860

Ion	Ratio	Lower	Upper
153	100		
154	89.2	60.4	120.4
76	47.3	0.0	47.4

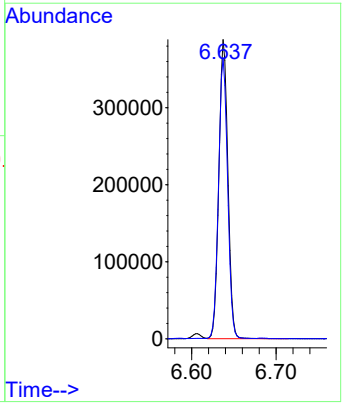


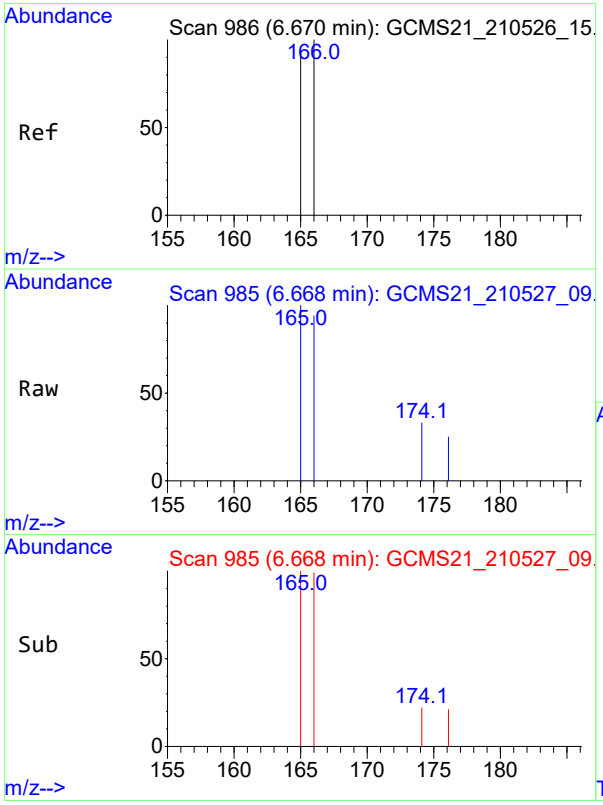


#9
Fluorene-D10
Concen: 339.85 ng/mL
RT: 6.637 min Scan# 970
Delta R.T. -0.002 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:176 Resp: 288548

Ion	Ratio	Lower	Upper
176	100		
174	94.5	63.9	123.9

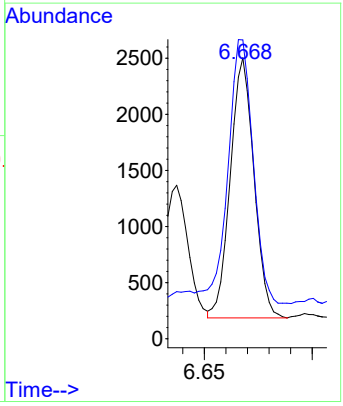


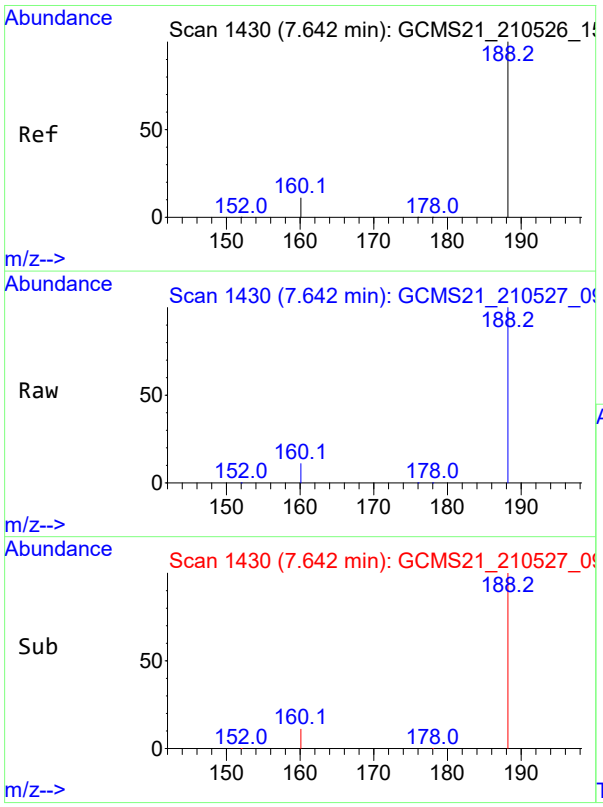


#10
Fluorene
Concen: 1.77 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:166 Resp: 1765

Ion	Ratio	Lower	Upper
166	100		
165	107.5	65.1	125.1

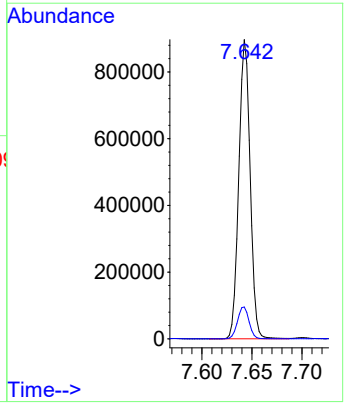


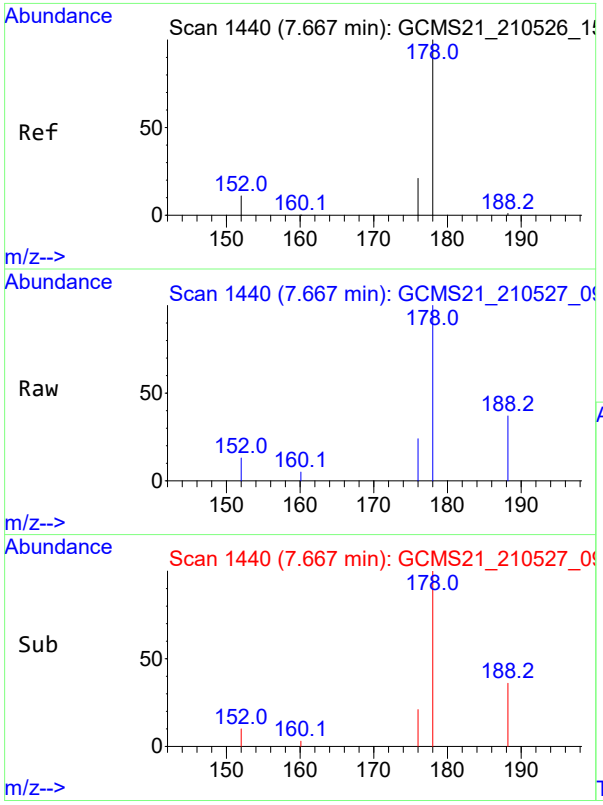


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:188 Resp: 704476

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	39.8

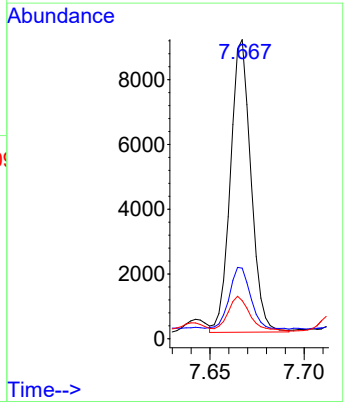


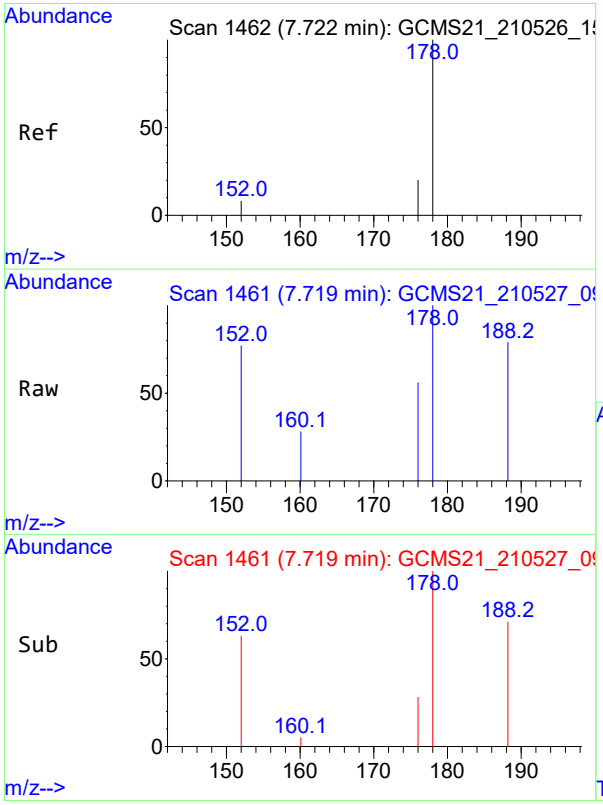


#12
Phenanthrene
Concen: 4.02 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:178 Resp: 6842

Ion	Ratio	Lower	Upper
178	100		
176	21.9	0.0	50.9
152	12.4	0.0	40.5

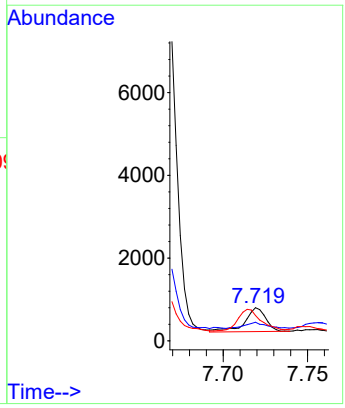


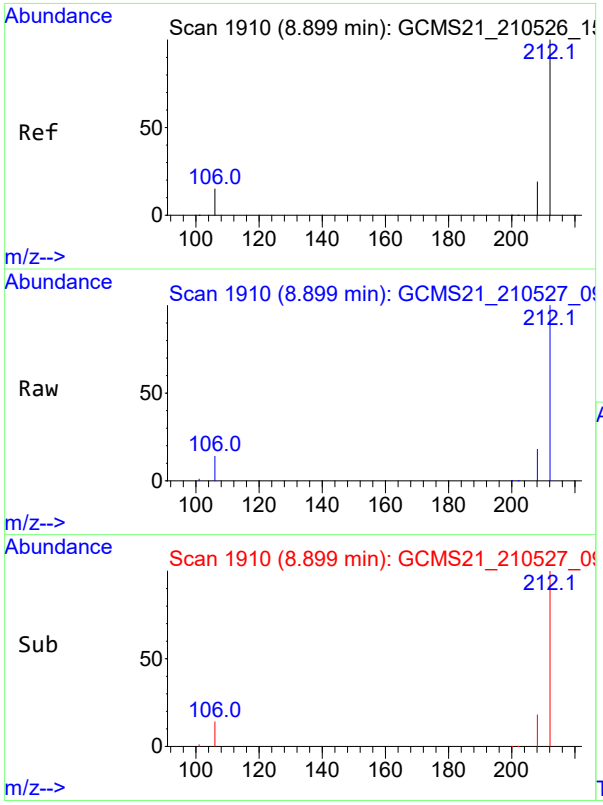


#13
Anthracene
Concen: 0.35 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:178 Resp: 498

Ion	Ratio	Lower	Upper
178	100		
176	25.5	0.0	50.2
152	98.8	0.0	38.2#

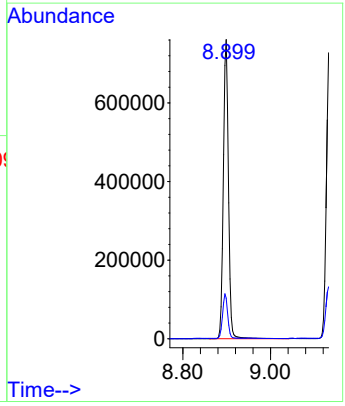


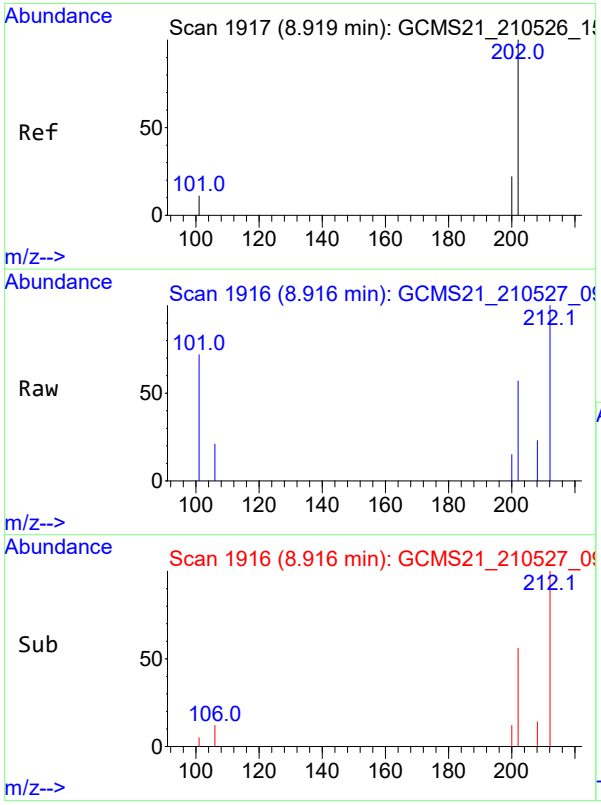


#14
Fluoranthene-D10
Concen: 401.32 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:212 Resp: 612170

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

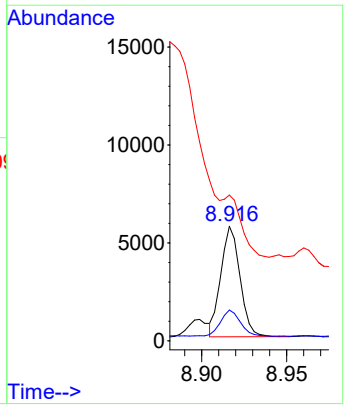


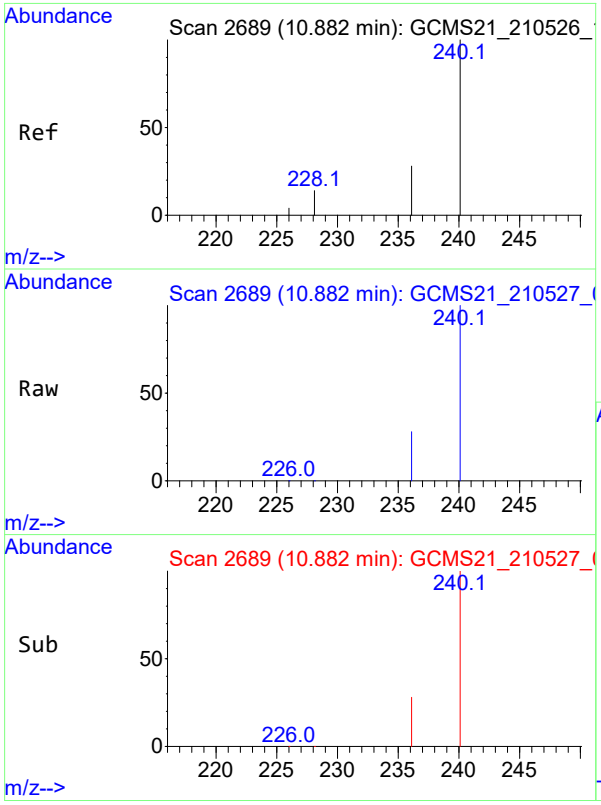


#15
Fluoranthene
Concen: 2.46 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:202 Resp: 4413

Ion	Ratio	Lower	Upper
202	100		
200	24.3	0.0	52.4
101	33.2	0.0	41.1

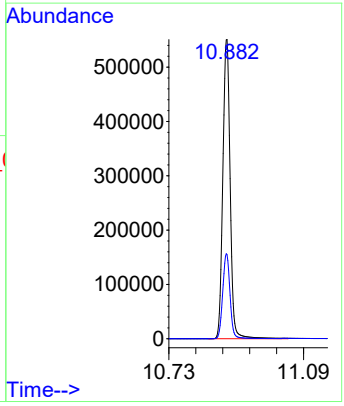


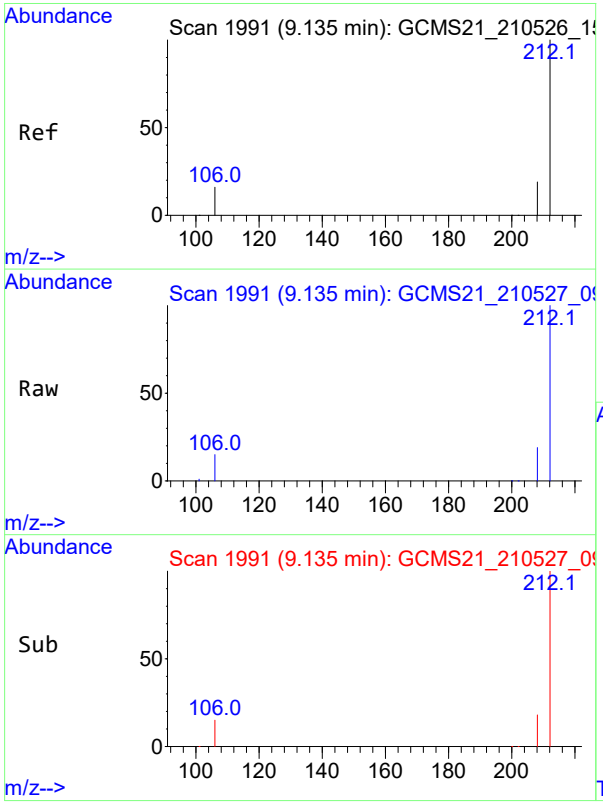


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:240 Resp: 743735

Ion	Ratio	Lower	Upper
240	100		
236	28.3	0.0	58.6

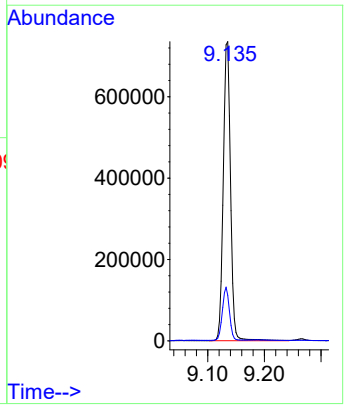


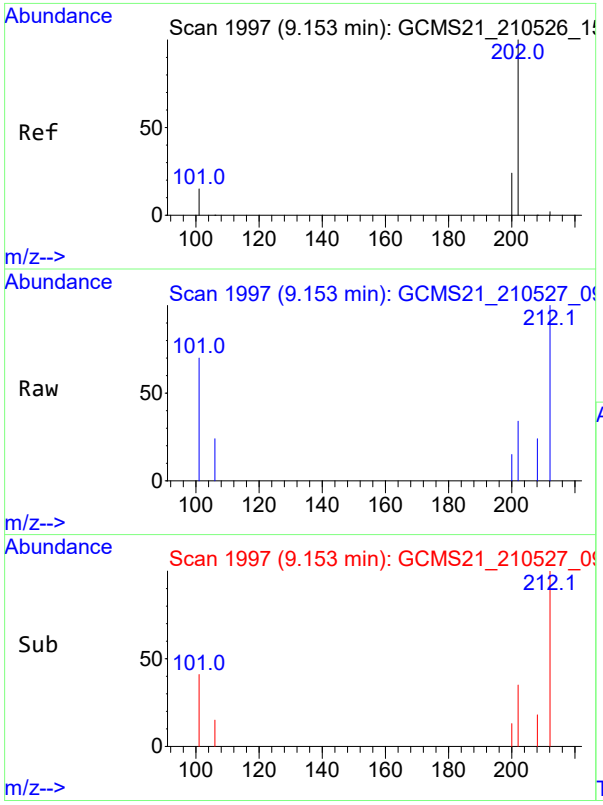


#17
Pyrene-D10
Concen: 385.21 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:212 Resp: 653657

Ion	Ratio	Lower	Upper
212	100		
106	17.3	0.0	46.2

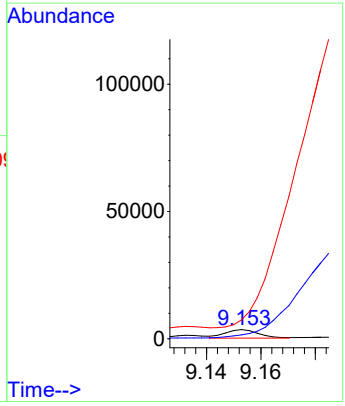


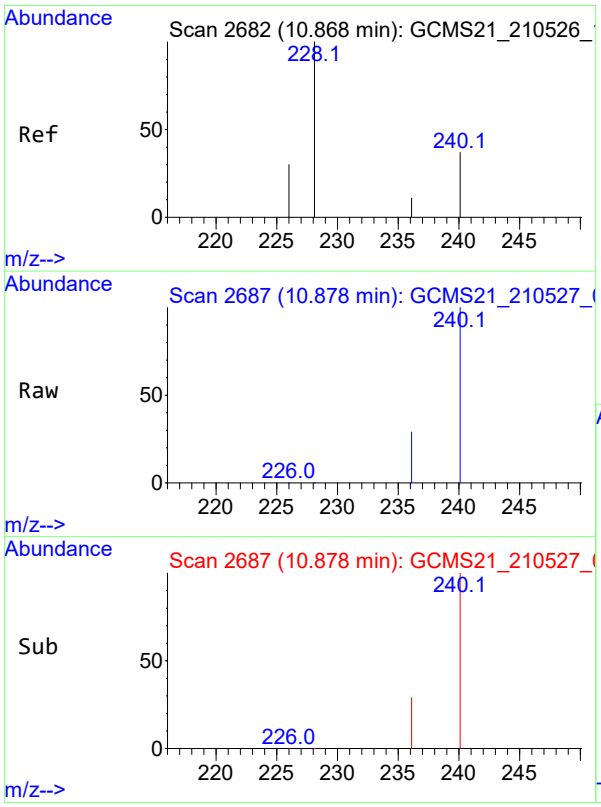


#18
Pyrene
Concen: 1.44 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:202 Resp: 2862

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

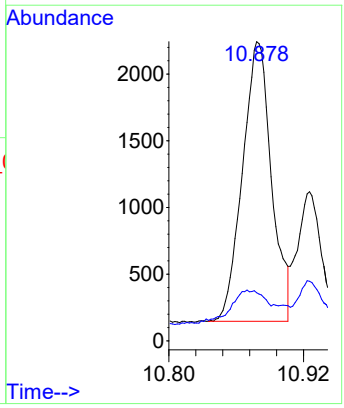


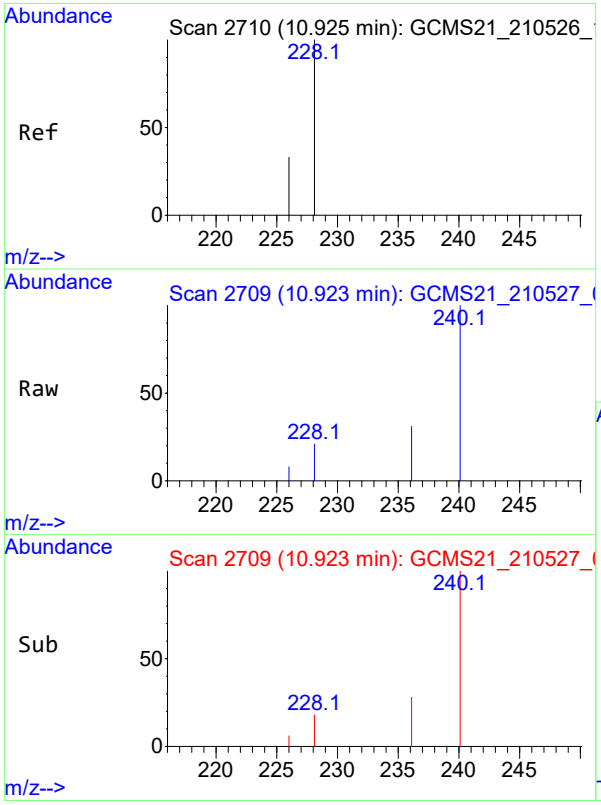


#19
Benzo(a)anthracene
Concen: 2.39 ng/mL
RT: 10.878 min Scan# 2687
Delta R.T. 0.010 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:228 Resp: 3582

Ion	Ratio	Lower	Upper
228	100		
226	15.2	0.0	59.8

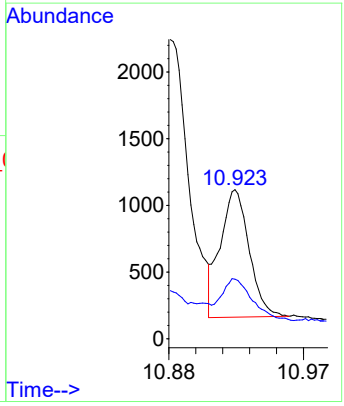


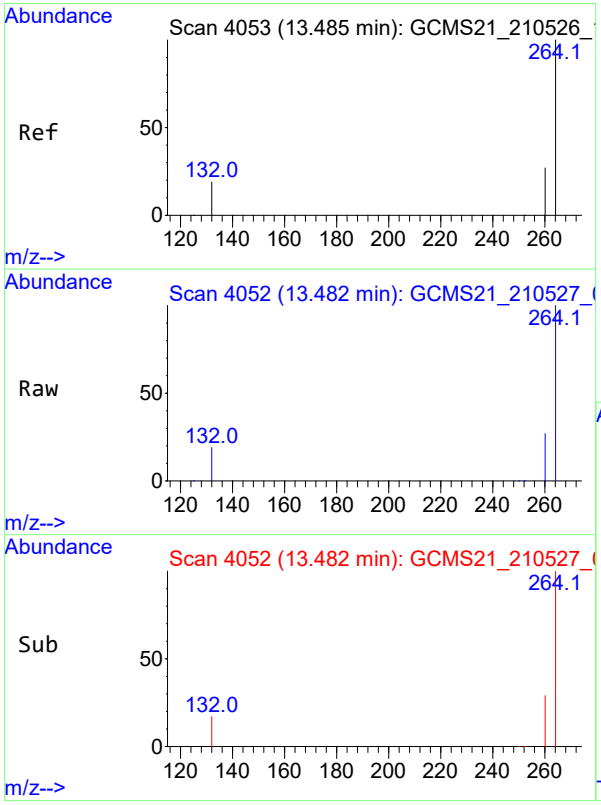


#20
Chrysene
Concen: 0.72 ng/mL
RT: 10.923 min Scan# 2709
Delta R.T. -0.002 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:228 Resp: 1338

Ion	Ratio	Lower	Upper
228	100		
226	35.1	2.8	62.8

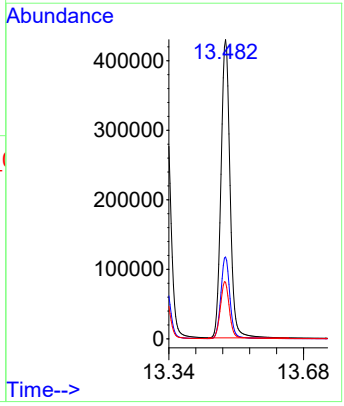


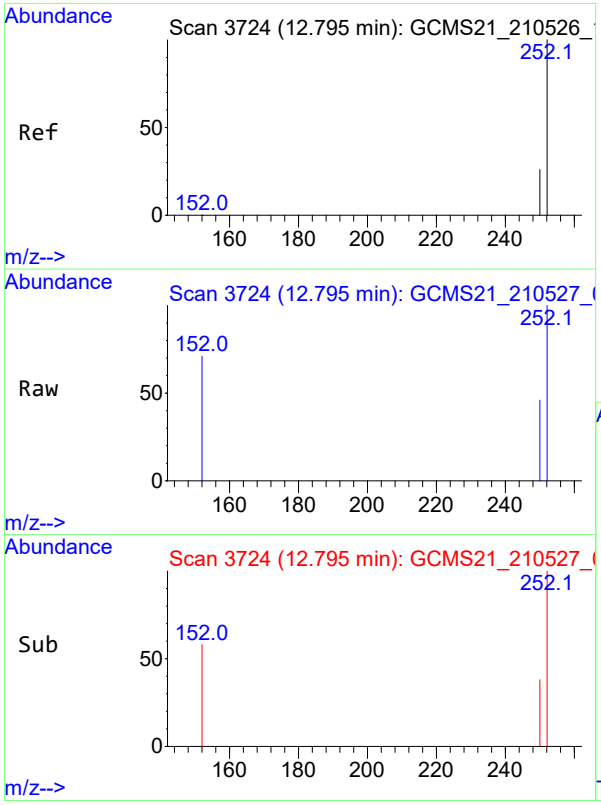


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.003 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:264 Resp: 694394

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	19.1	0.0	49.5

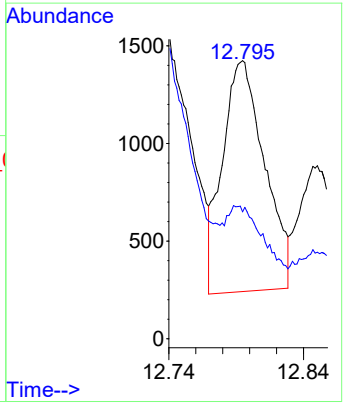


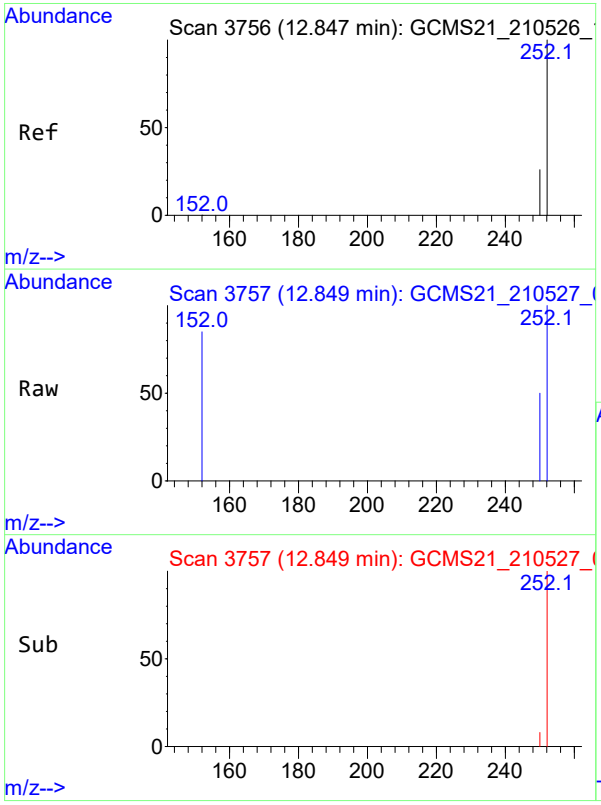


#22
Benzo(b)fluoranthene
Concen: 1.73 ng/mL
RT: 12.795 min Scan# 3724
Delta R.T. 0.000 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:252 Resp: 2488

Ion	Ratio	Lower	Upper
252	100		
250	32.4	0.0	56.2

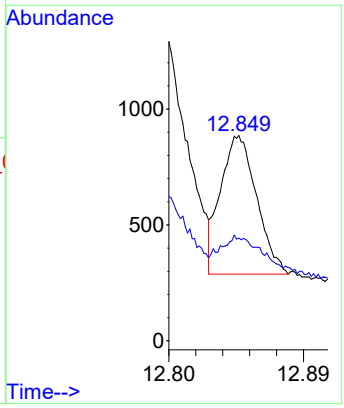


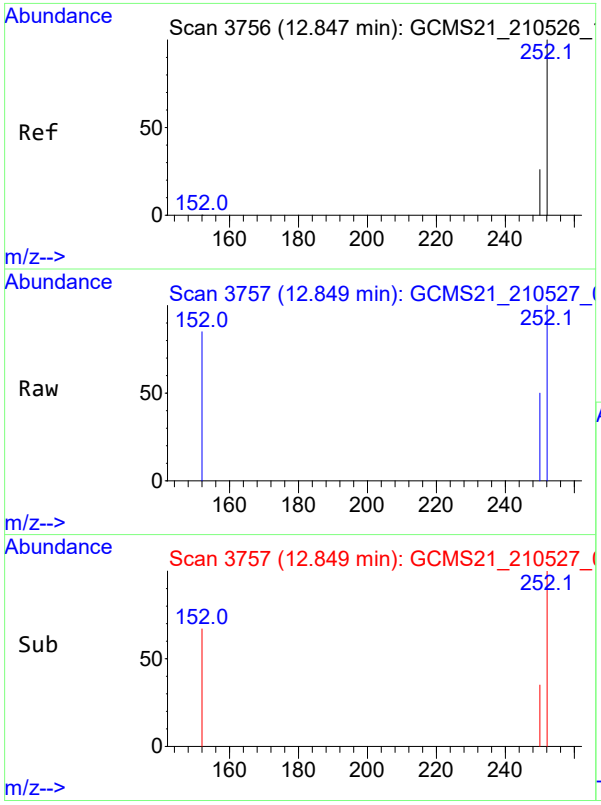


#23
Benzo(k)fluoranthene
Concen: 0.65 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:252 Resp: 1046

Ion	Ratio	Lower	Upper
252	100		
250	23.8	0.0	55.6

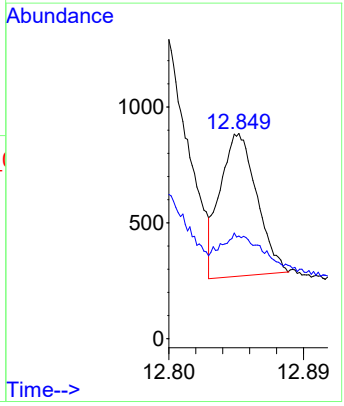


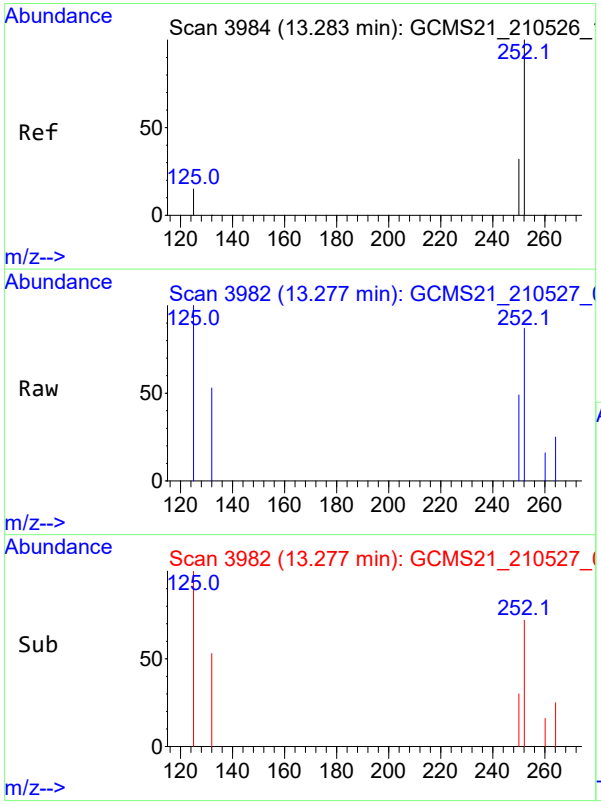


#24
benzo(b+k)fluoranthene (sum)
Concen: 0.70 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:252 Resp: 1094

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	55.6

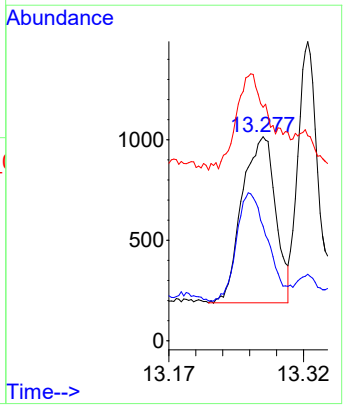


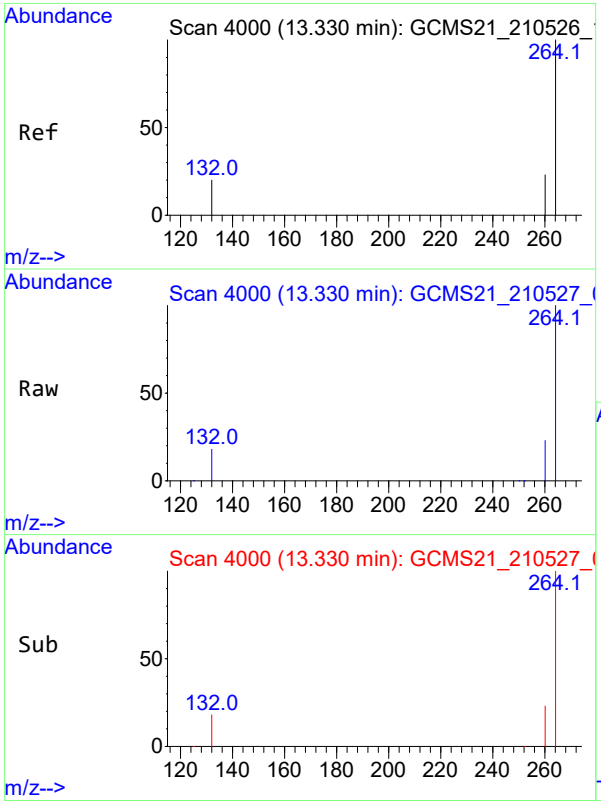


#25
Benzo(e)pyrene
Concen: 1.56 ng/mL
RT: 13.277 min Scan# 3982
Delta R.T. -0.006 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:252 Resp: 2267

Ion	Ratio	Lower	Upper
252	100		
250	59.8	2.2	62.2
125	49.2	0.0	45.4#

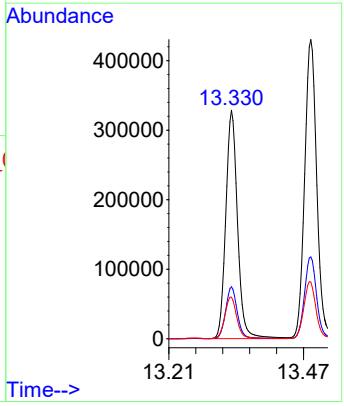


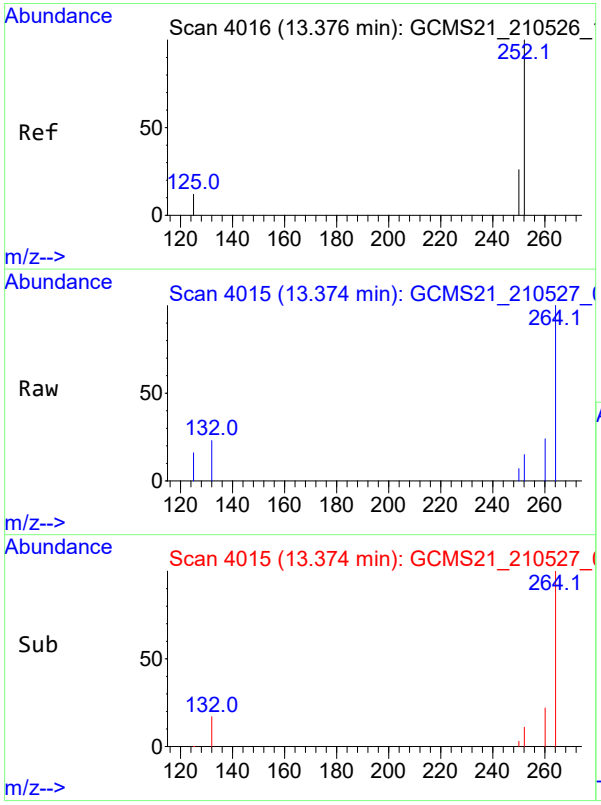


#26
Benzo(a)pyrene-D12
Concen: 454.17 ng/mL
RT: 13.330 min Scan# 4000
Delta R.T. -0.000 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:264 Resp: 512386

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.5	0.0	49.7

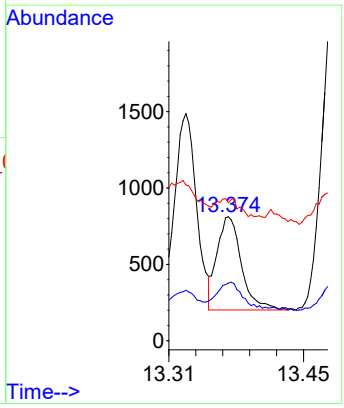


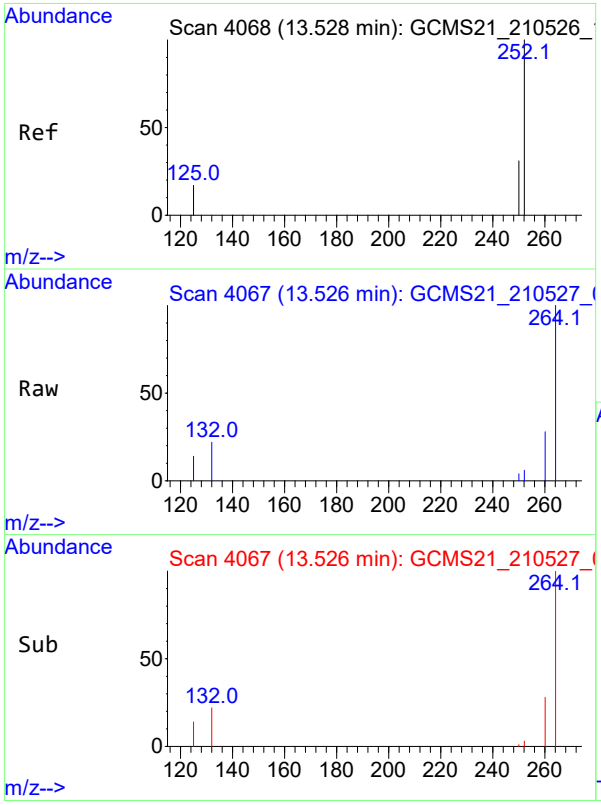


#27
Benzo(a)pyrene
Concen: 0.81 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.002 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:252 Resp: 1069

Ion	Ratio	Lower	Upper
252	100		
250	31.7	0.0	56.4
125	18.4	0.0	41.7

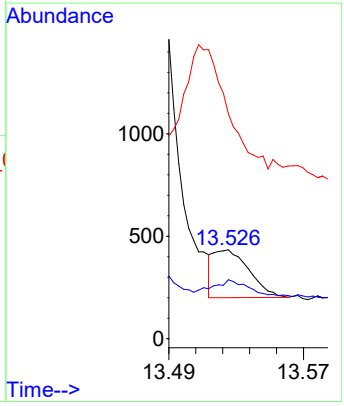


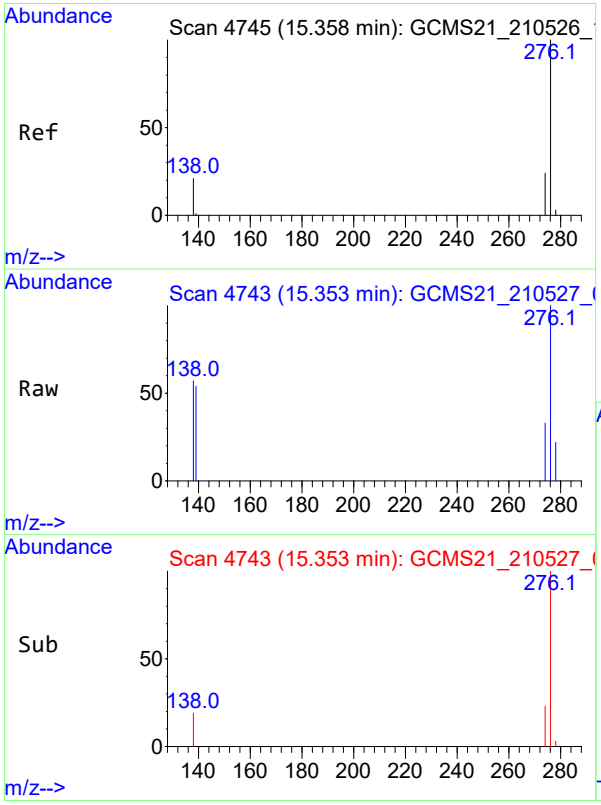


#28
Perylene
Concen: 0.23 ng/mL
RT: 13.526 min Scan# 4067
Delta R.T. -0.002 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:252 Resp: 340

Ion	Ratio	Lower	Upper
252	100		
250	38.2	1.5	61.5
125	484.4	0.0	46.6#

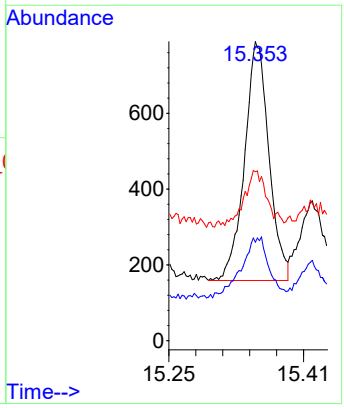


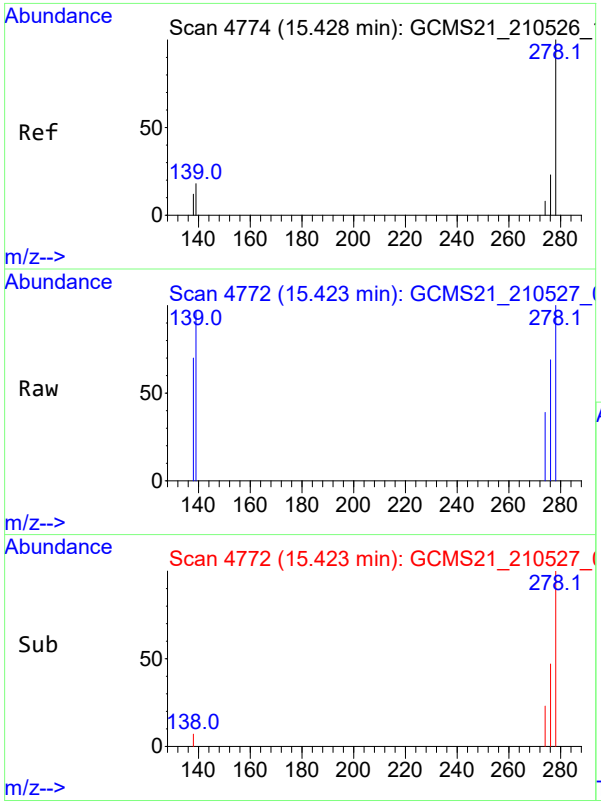


#29
Indeno(1,2,3-cd)pyrene
Concen: 1.12 ng/mL
RT: 15.353 min Scan# 4743
Delta R.T. -0.005 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:276 Resp: 1266

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	53.8
138	19.1	0.0	50.7

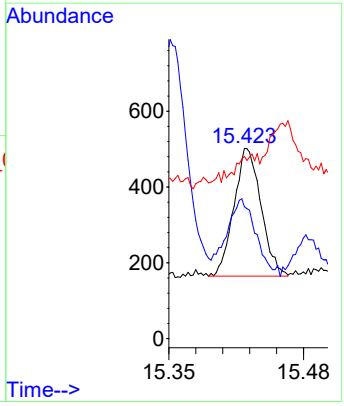


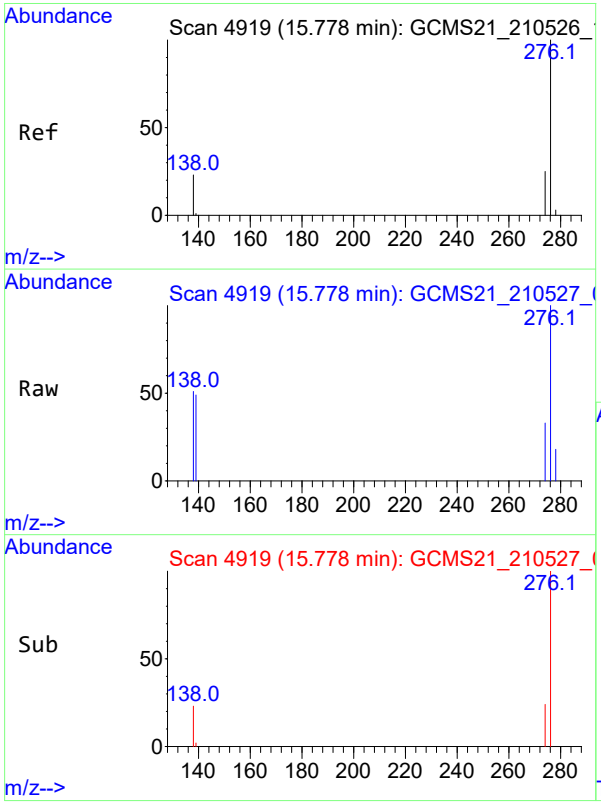


#30
Dibenz(a,h)anthracene
Concen: 0.53 ng/mL
RT: 15.423 min Scan# 4772
Delta R.T. -0.005 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:278 Resp: 597

Ion	Ratio	Lower	Upper
278	100		
276	72.9	0.0	52.8#
139	0.0	0.0	47.6

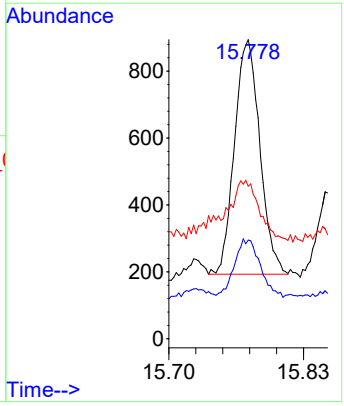




#31
Benzo(g,h,i)perylene
Concen: 0.82 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. -0.000 min
Lab File: GCMS21_210527_09.D
Acq: 27 May 2021 15:25

Tgt Ion:276 Resp: 1198

Ion	Ratio	Lower	Upper
276	100		
274	25.3	0.0	54.8
138	28.1	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_10.D
Acq On : 27 May 2021 15:50
Operator : MN GCMS21
Sample : 2105001-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 11:30:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

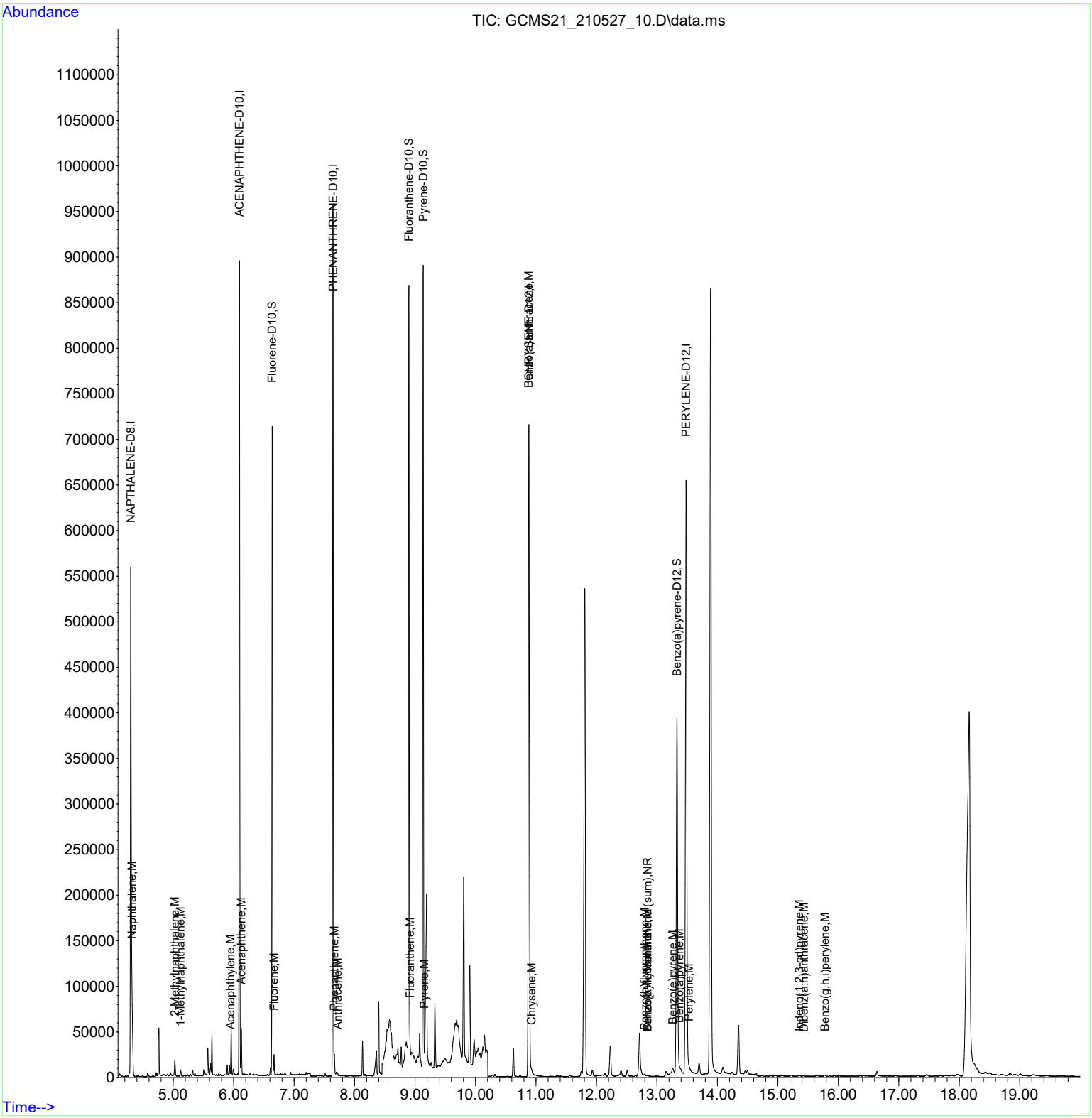
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	571487	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	330732	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	669745	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	715493	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	675679	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.637	176	264452	333.98	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	526253	362.88	ng/mL	0.00
17) Pyrene-D10	9.135	212	563907	345.44	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	440247	401.03	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.318	128	7854	7.16	ng/mL	89
4) 2-Methylnaphthalene	5.028	142	5845	7.24	ng/mL	96
5) 1-Methylnaphthalene	5.123	142	2798	4.16	ng/mL	99
7) Acenaphthylene	5.945	152	1094	1.00	ng/mL#	60
8) Acenaphthene	6.126	153	13889	16.53	ng/mL	91
10) Fluorene	6.668	166	6928	7.45	ng/mL#	61
12) Phenanthrene	7.667	178	10705	6.62	ng/mL	94
13) Anthracene	7.719	178	1566	1.17	ng/mL#	62
15) Fluoranthene	8.916	202	3769	2.21	ng/mL#	1
18) Pyrene	9.153	202	2723	1.43	ng/mL#	56
19) Benzo(a)anthracene	10.880	228	4063	2.82	ng/mL	76
20) Chrysene	10.925	228	1968	1.11	ng/mL	96
22) Benzo(b)fluoranthene	12.797	252	2810	2.00	ng/mL	88
23) Benzo(k)fluoranthene	12.846	252	996	0.64	ng/mL#	49
24) benzo(b+k)fluoranthene...	12.846	252	997	0.65	ng/mL#	49
25) Benzo(e)pyrene	13.262	252	4824	3.41	ng/mL#	1
27) Benzo(a)pyrene	13.374	252	1847	1.44	ng/mL#	1
28) Perylene	13.528	252	496	0.35	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.356	276	1539	1.41	ng/mL	90
30) Dibenz(a,h)anthracene	15.428	278	616	0.56	ng/mL#	48
31) Benzo(g,h,i)perylene	15.778	276	1586	1.11	ng/mL	95

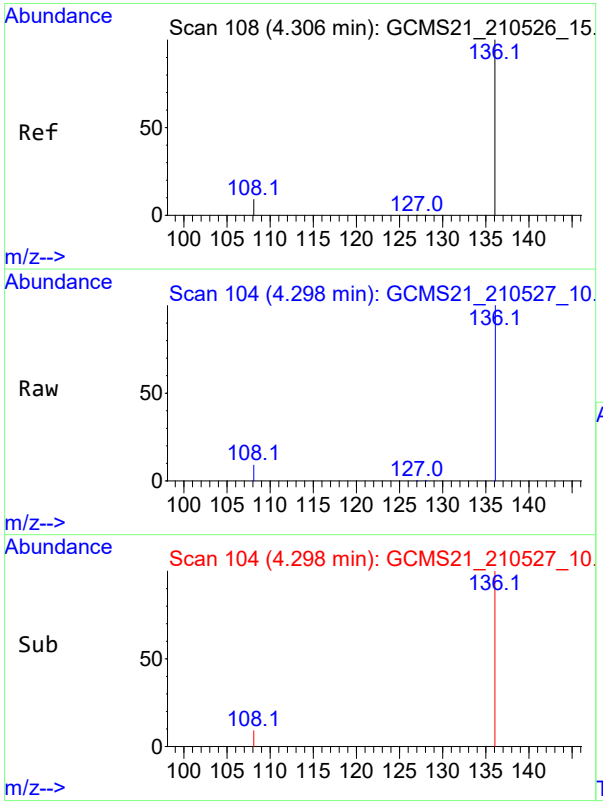
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_10.D
Acq On : 27 May 2021 15:50
Operator : MN GCMS21
Sample : 2105001-07
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 28 11:30:30 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

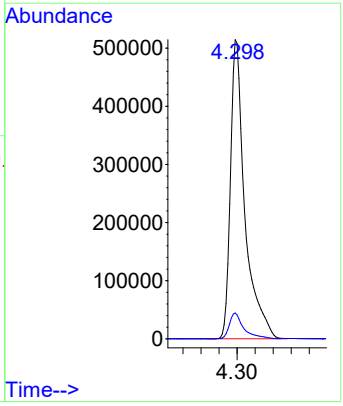


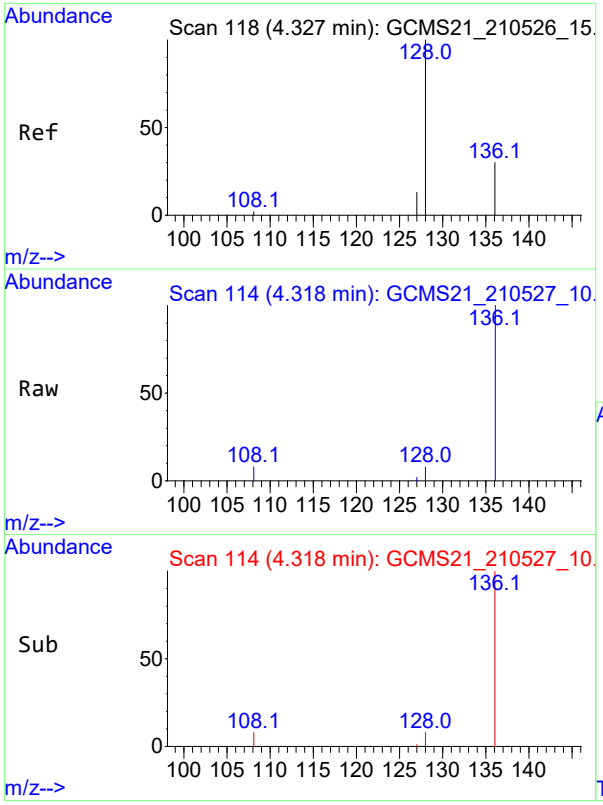


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:136 Resp: 571487

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

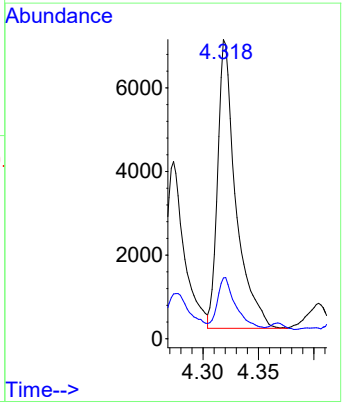


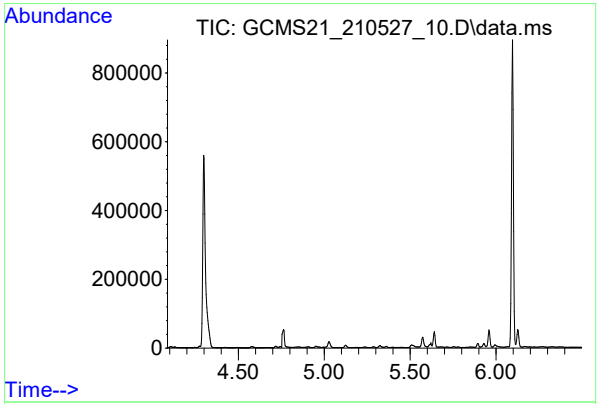


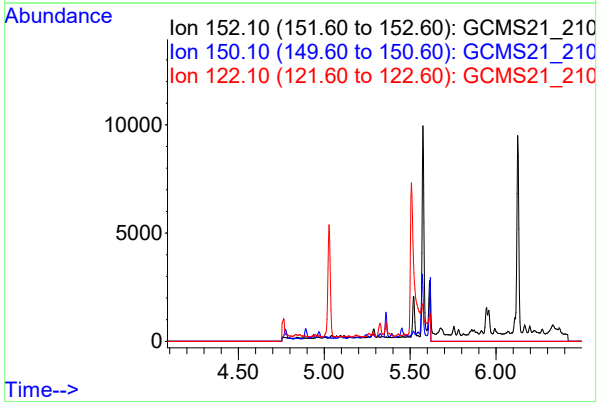
#2
Naphthalene
Concen: 7.16 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:128 Resp: 7854

Ion	Ratio	Lower	Upper
128	100		
127	17.8	0.0	43.3





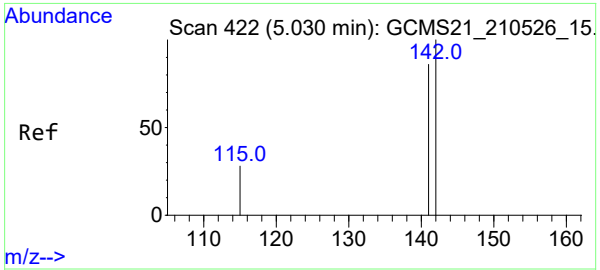


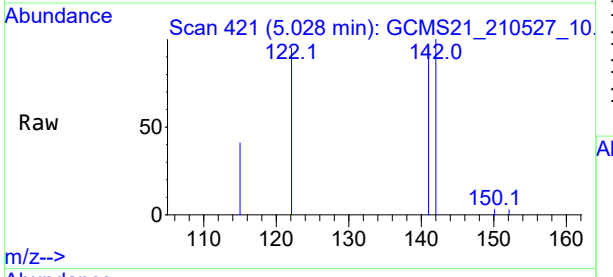
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

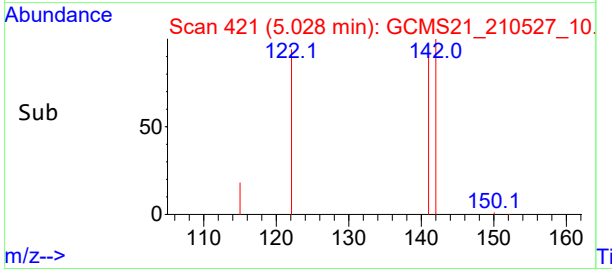
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5



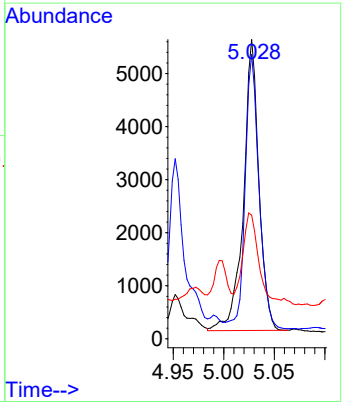


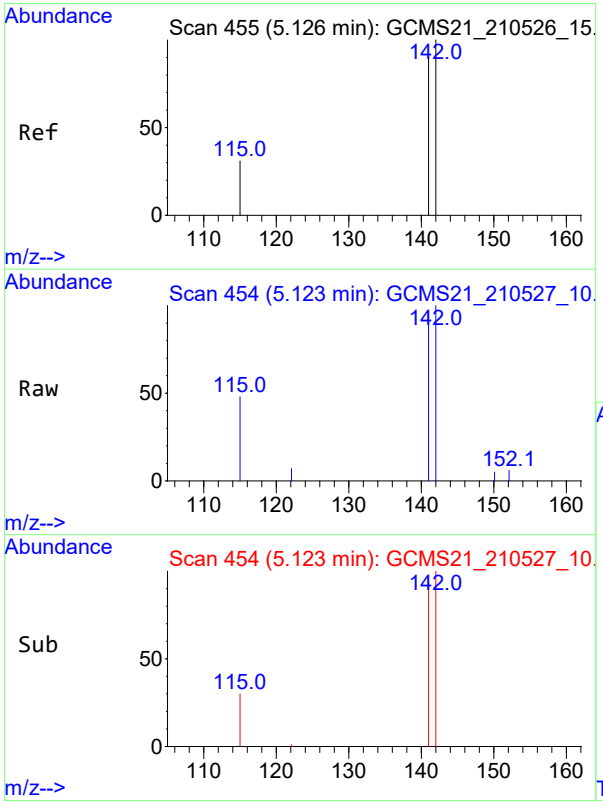


#4
2-Methylnaphthalene
Concen: 7.24 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:142 Resp: 5845

Ion	Ratio	Lower	Upper
142	100		
141	84.1	56.3	116.3
115	33.1	0.0	57.4

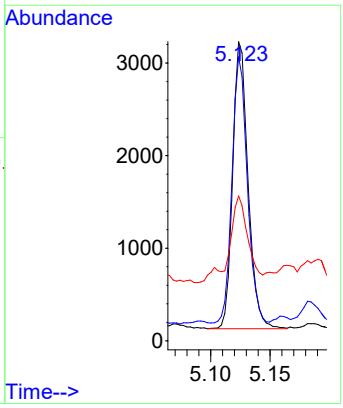


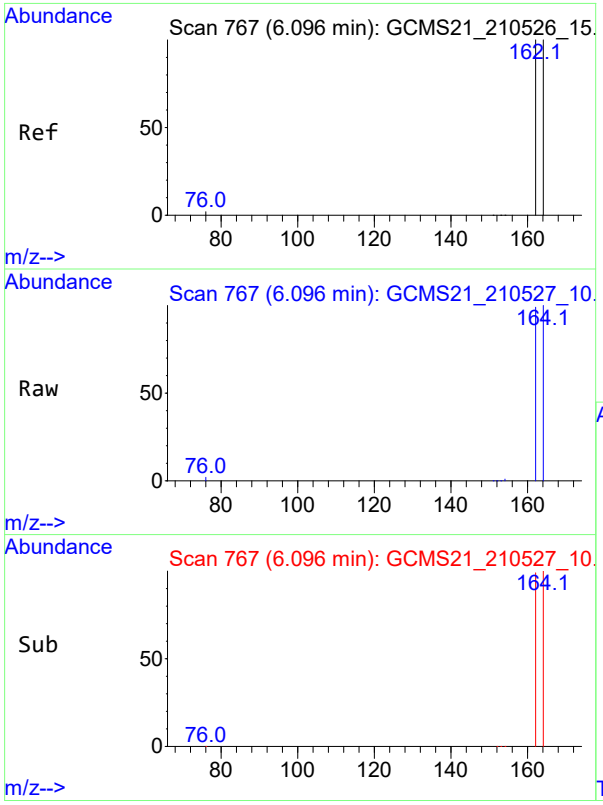


#5
1-Methylnaphthalene
Concen: 4.16 ng/mL
RT: 5.123 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:142 Resp: 2798

Ion	Ratio	Lower	Upper
142	100		
141	91.7	61.5	121.5
115	28.2	0.2	60.2

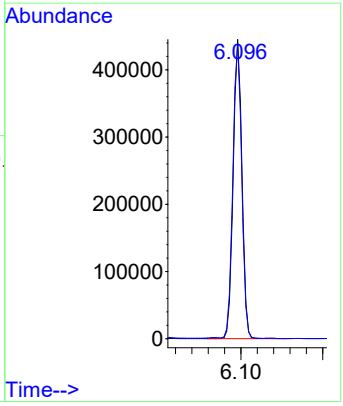


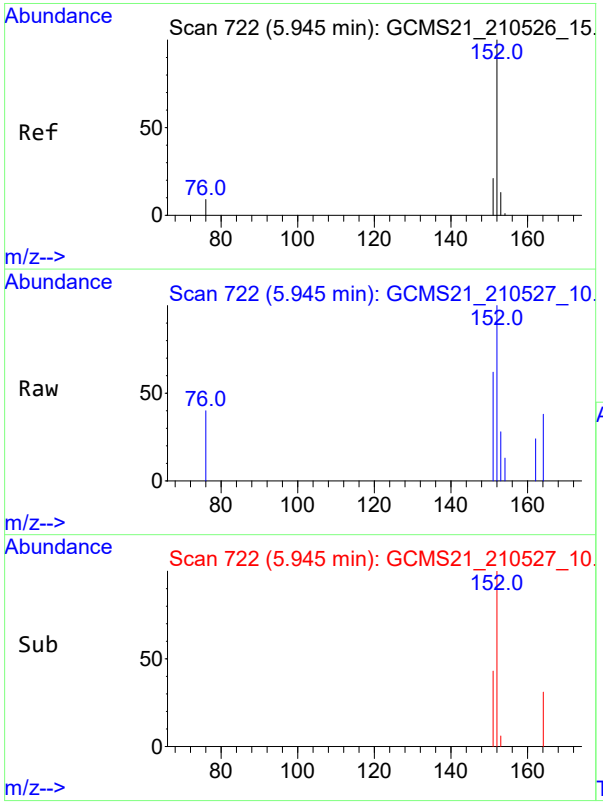


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:164 Resp: 330732

Ion	Ratio	Lower	Upper
164	100		
162	100.2	77.7	117.7

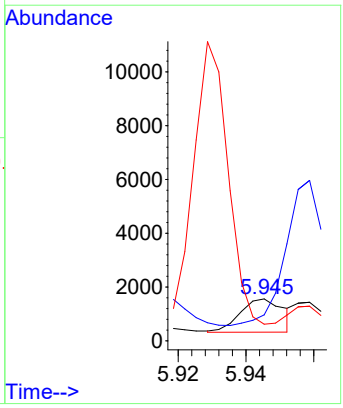


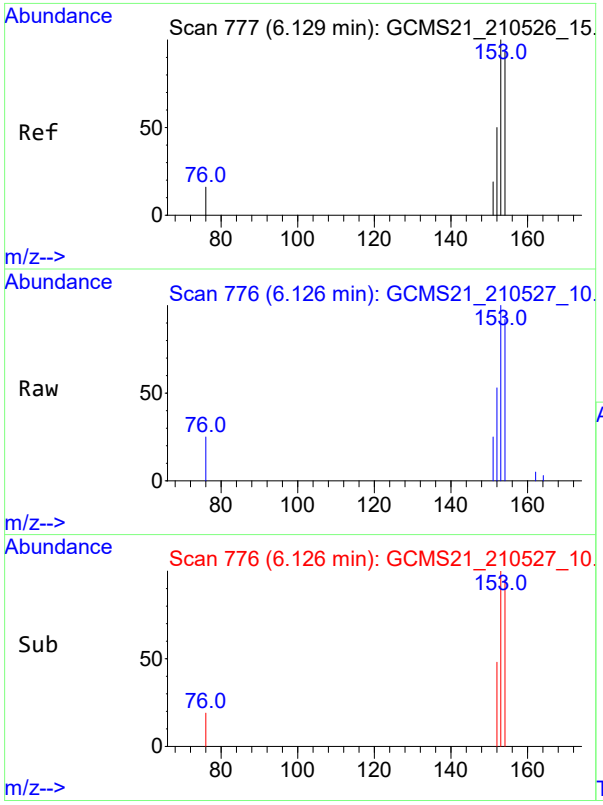


#7
Acenaphthylene
Concen: 1.00 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. -0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:152 Resp: 1094

Ion	Ratio	Lower	Upper
152	100		
151	0.0	0.0	52.0
76	0.0	0.0	39.5

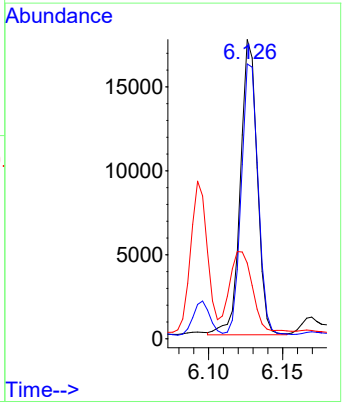


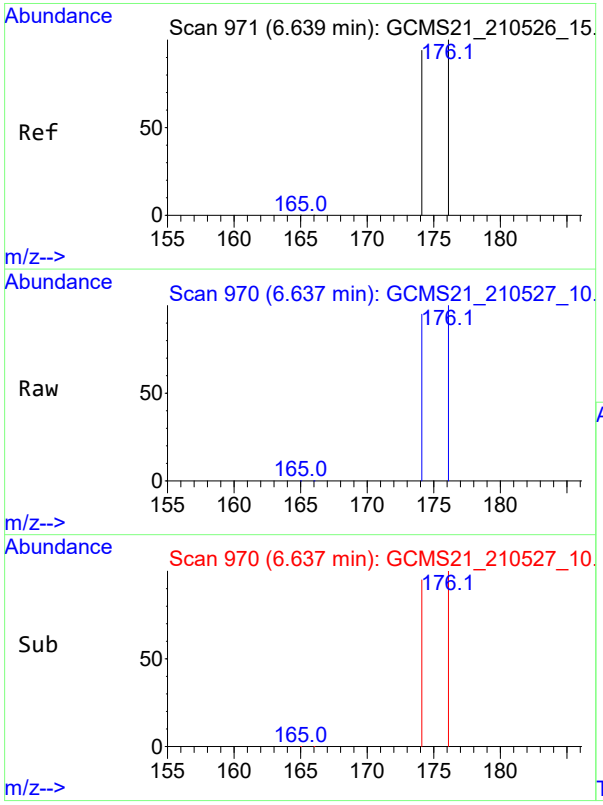


#8
Acenaphthene
Concen: 16.53 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:153 Resp: 13889

Ion	Ratio	Lower	Upper
153	100		
154	91.8	60.4	120.4
76	37.6	0.0	47.4

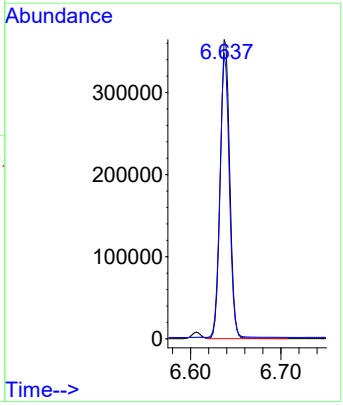


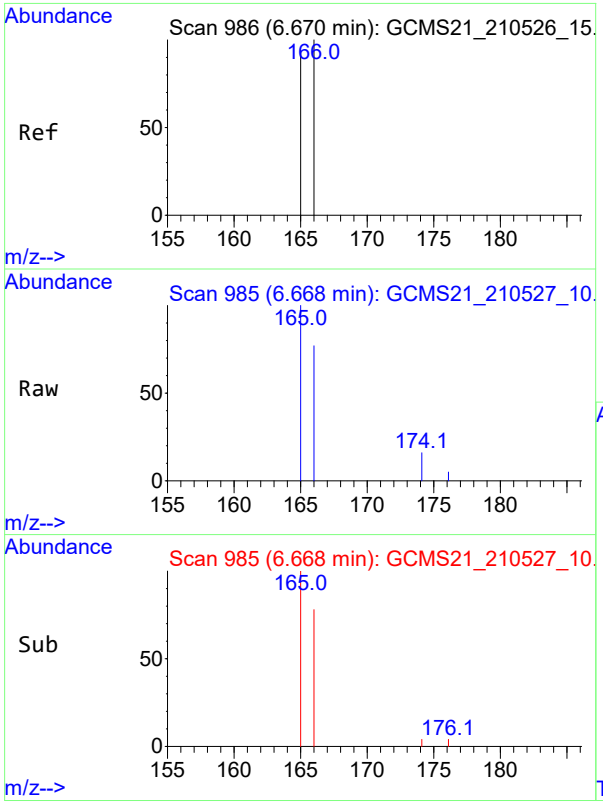


#9
Fluorene-D10
Concen: 333.98 ng/mL
RT: 6.637 min Scan# 970
Delta R.T. -0.002 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:176 Resp: 264452

Ion	Ratio	Lower	Upper
176	100		
174	94.4	63.9	123.9

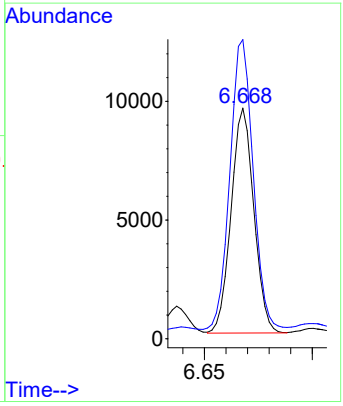


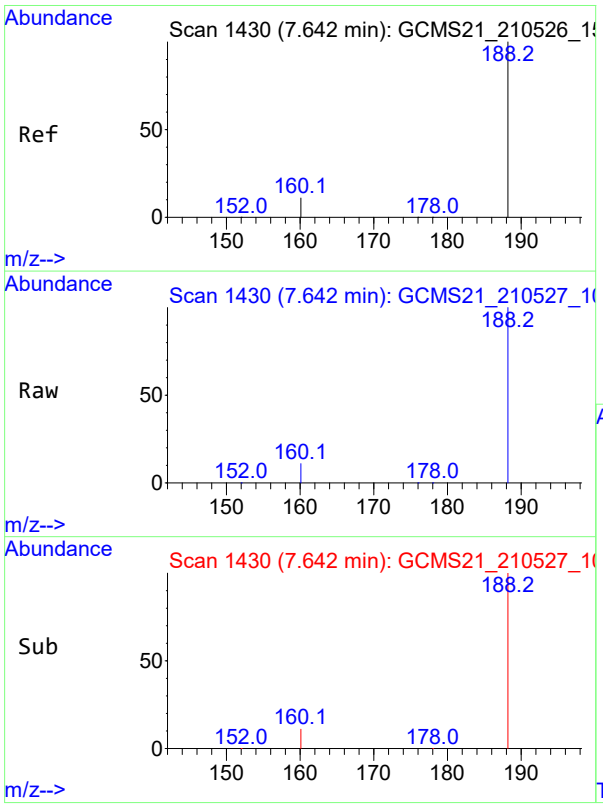


#10
Fluorene
Concen: 7.45 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:166 Resp: 6928

Ion	Ratio	Lower	Upper
166	100		
165	132.9	65.1	125.1#

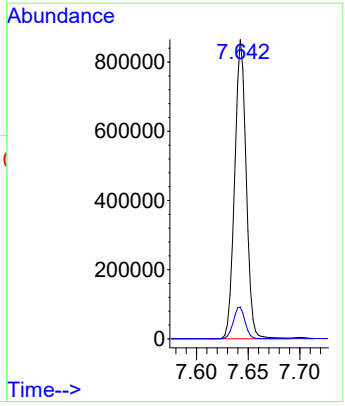


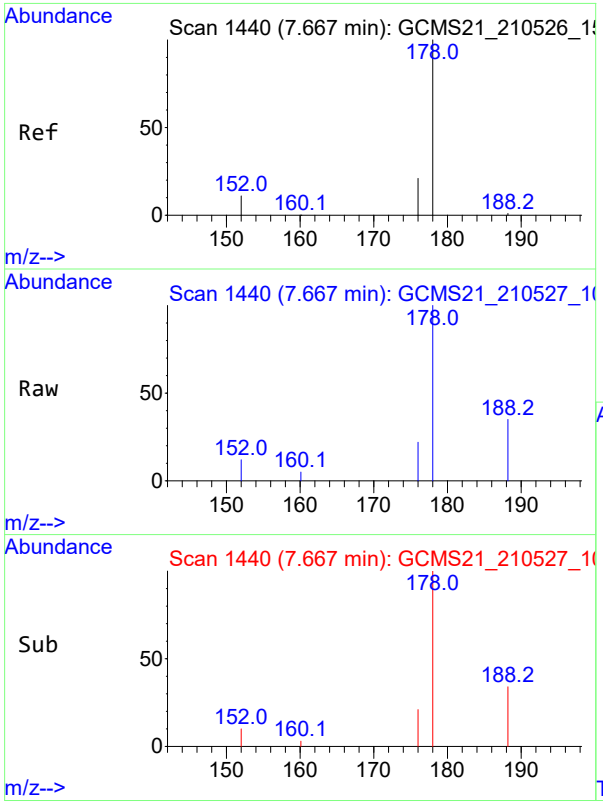


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:188 Resp: 669745

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	39.8

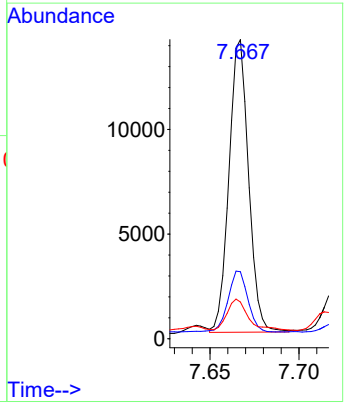


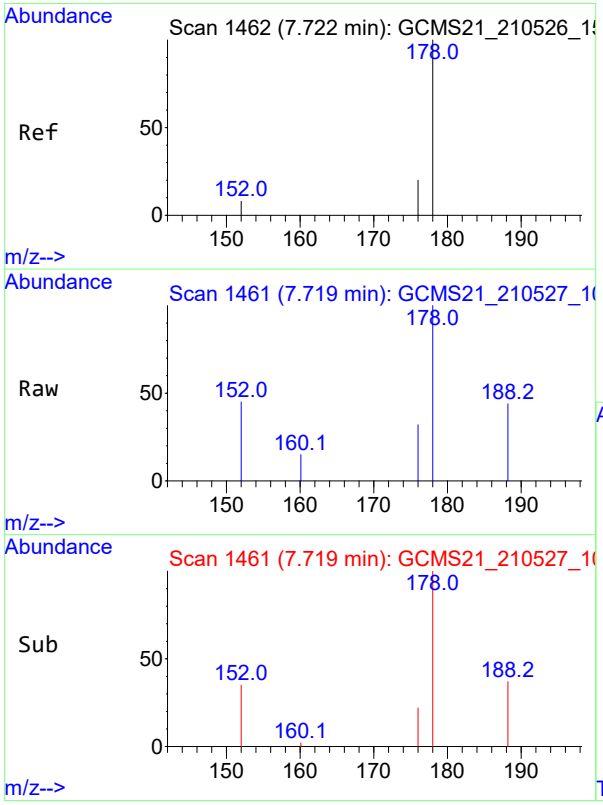


#12
Phenanthrene
Concen: 6.62 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:178 Resp: 10705

Ion	Ratio	Lower	Upper
178	100		
176	23.9	0.0	50.9
152	12.4	0.0	40.5

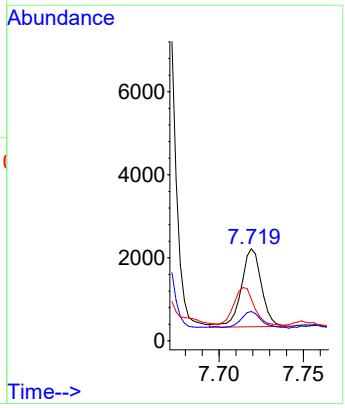


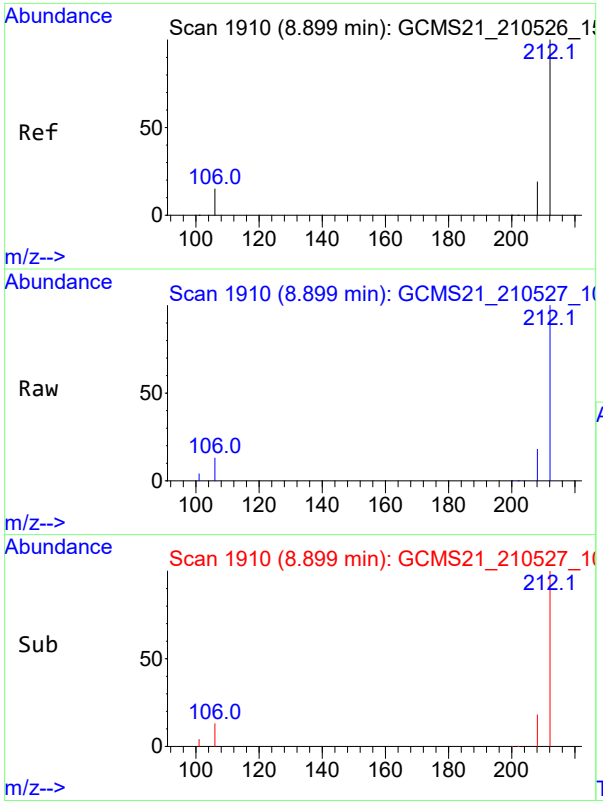


#13
Anthracene
Concen: 1.17 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:178 Resp: 1566

Ion	Ratio	Lower	Upper
178	100		
176	21.7	0.0	50.2
152	52.3	0.0	38.2#

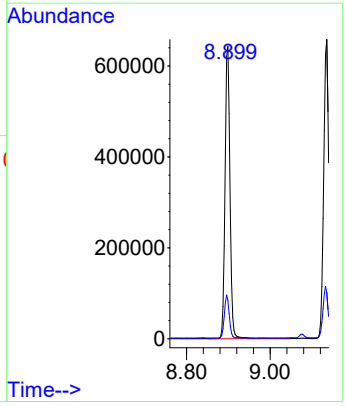


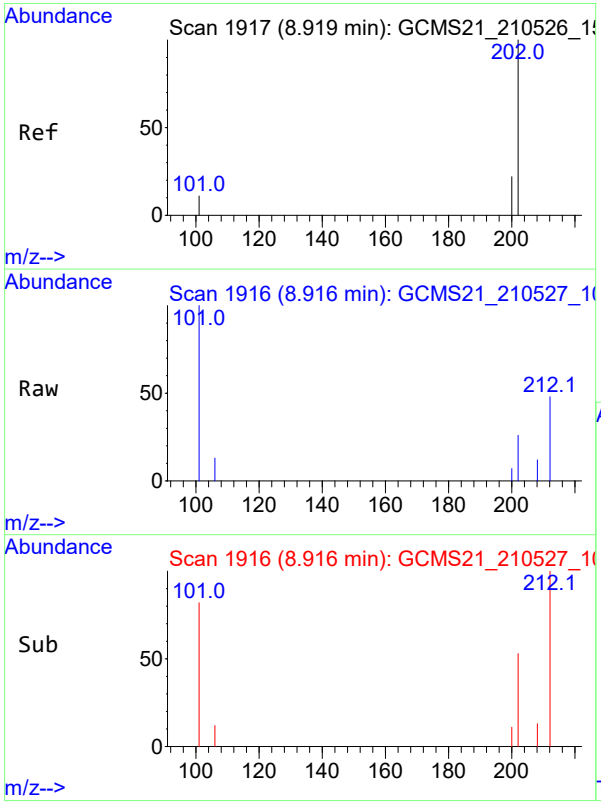


#14
Fluoranthene-D10
Concen: 362.88 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:212 Resp: 526253

Ion	Ratio	Lower	Upper
212	100		
106	14.6	0.0	44.9

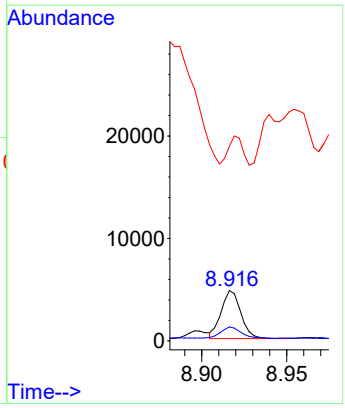


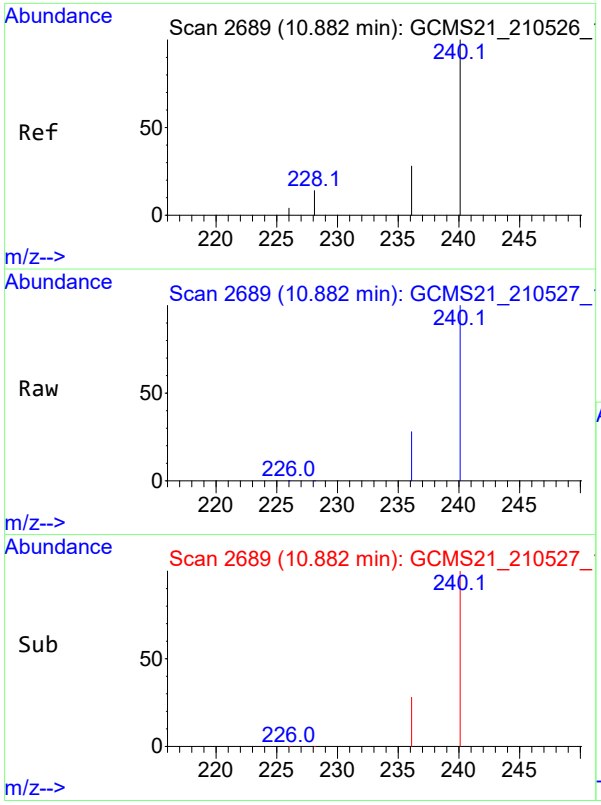


#15
Fluoranthene
Concen: 2.21 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:202 Resp: 3769

Ion	Ratio	Lower	Upper
202	100		
200	24.1	0.0	52.4
101	185.4	0.0	41.1#

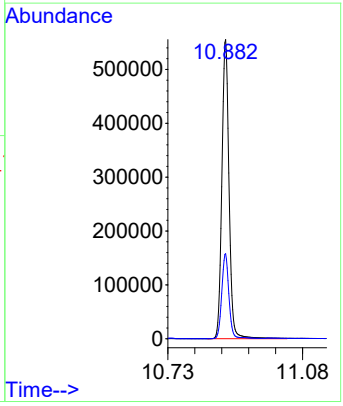


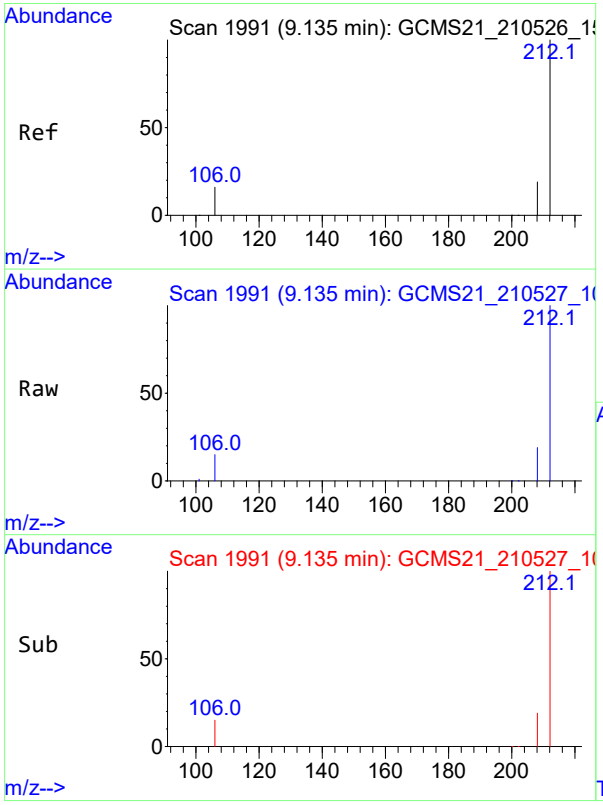


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:240 Resp: 715493

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

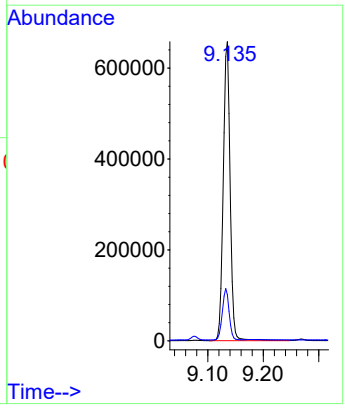


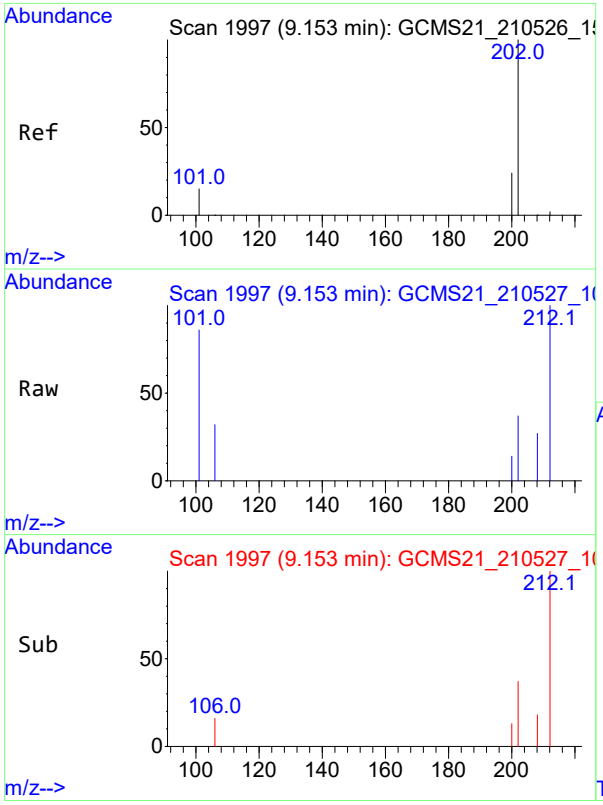


#17
Pyrene-D10
Concen: 345.44 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:212 Resp: 563907

Ion	Ratio	Lower	Upper
212	100		
106	17.0	0.0	46.2

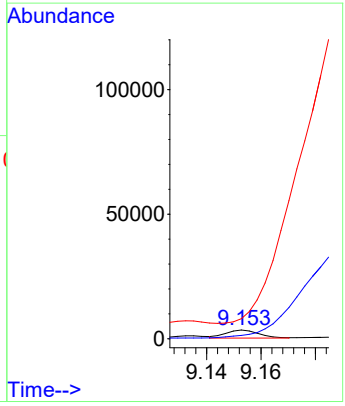


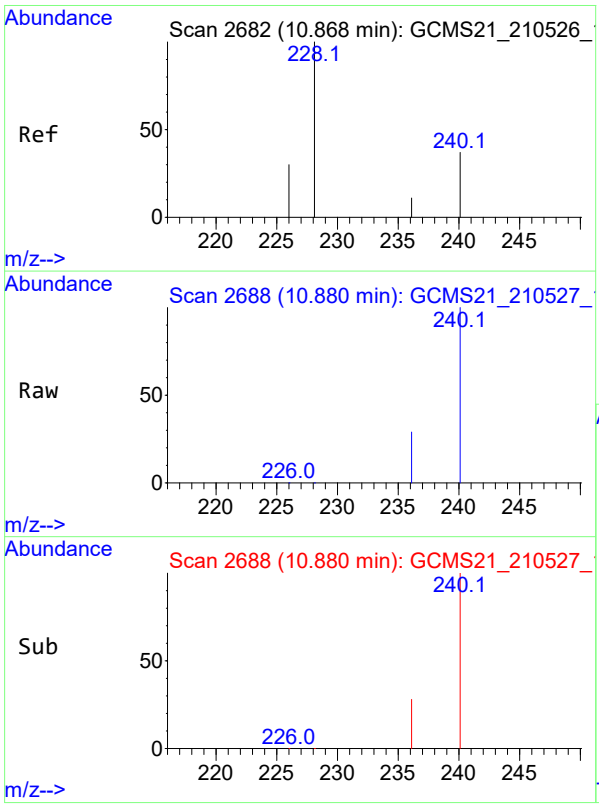


#18
Pyrene
Concen: 1.43 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:202 Resp: 2723

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

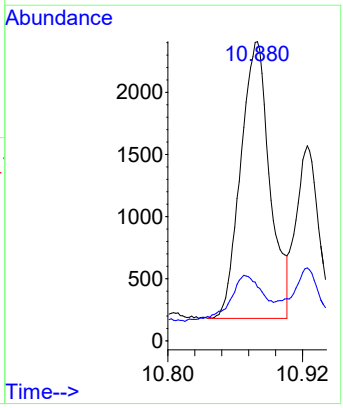


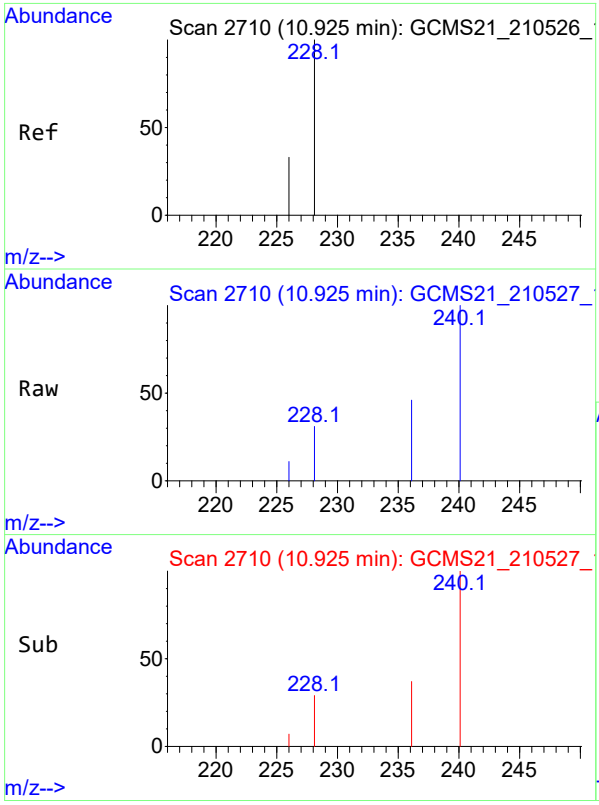


#19
Benzo(a)anthracene
Concen: 2.82 ng/mL
RT: 10.880 min Scan# 2688
Delta R.T. 0.012 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:228 Resp: 4063

Ion	Ratio	Lower	Upper
228	100		
226	17.0	0.0	59.8

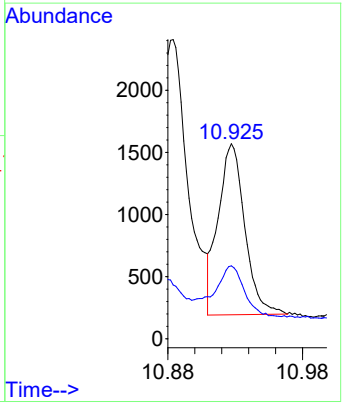


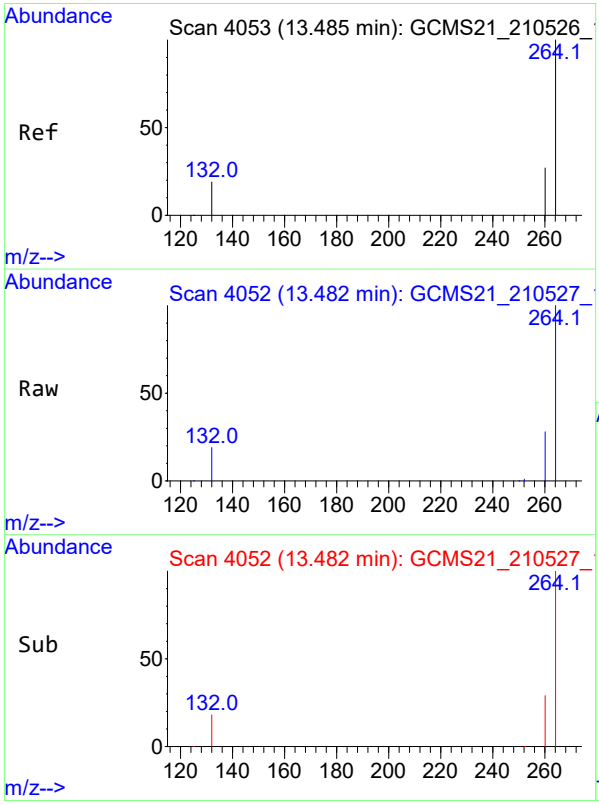


#20
Chrysene
Concen: 1.11 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:228 Resp: 1968

Ion	Ratio	Lower	Upper
228	100		
226	35.1	2.8	62.8

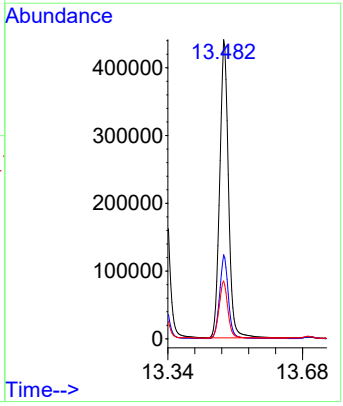


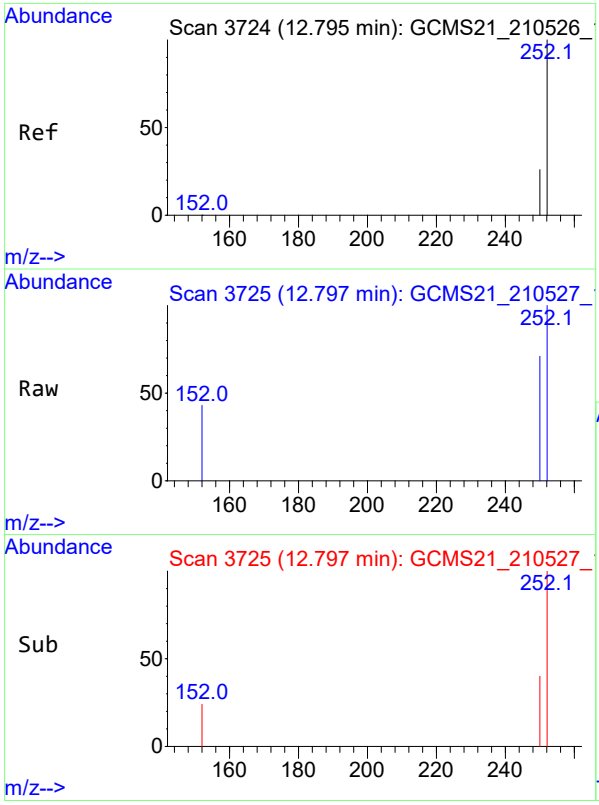


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.003 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:264 Resp: 675679

Ion	Ratio	Lower	Upper
264	100		
260	28.0	0.0	57.5
132	19.3	0.0	49.5

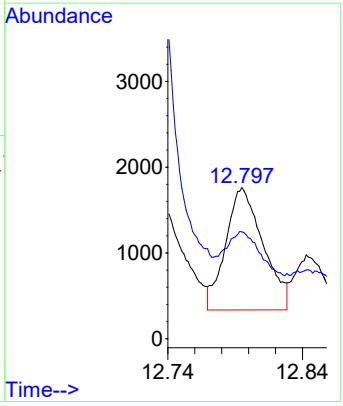


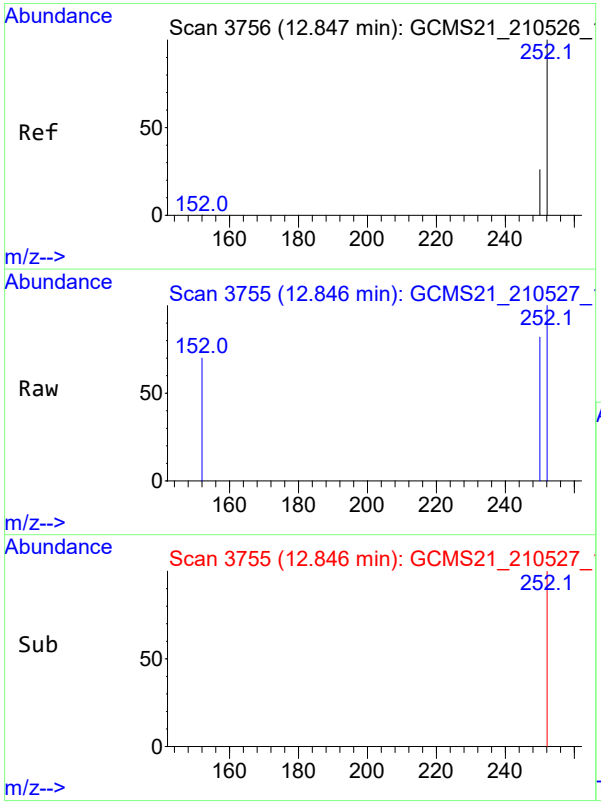


#22
Benzo(b)fluoranthene
Concen: 2.00 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:252 Resp: 2810

Ion	Ratio	Lower	Upper
252	100		
250	32.4	0.0	56.2

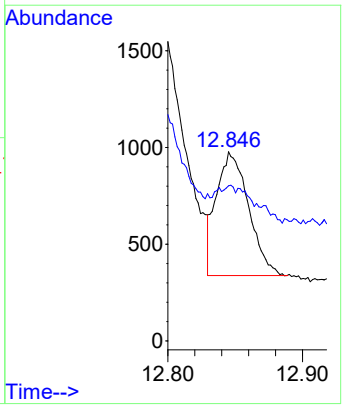


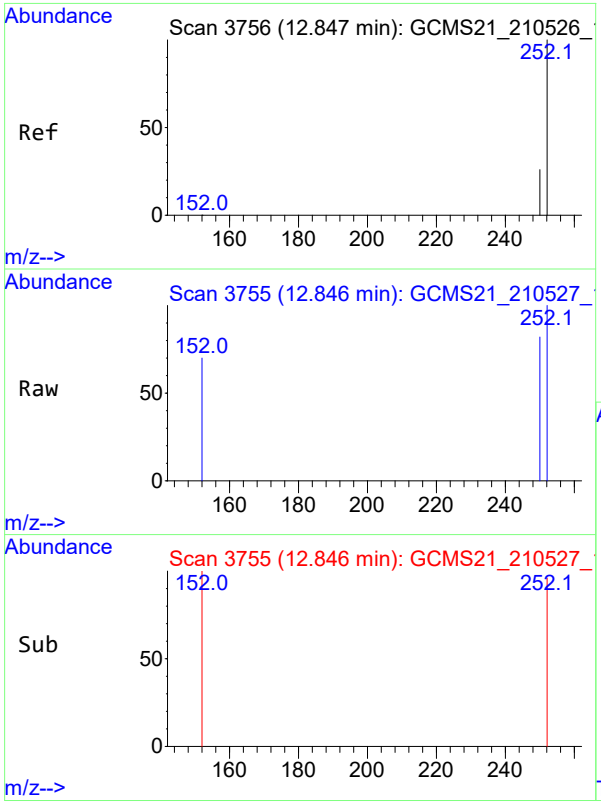


#23
Benzo(k)fluoranthene
Concen: 0.64 ng/mL
RT: 12.846 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:252 Resp: 996

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.6

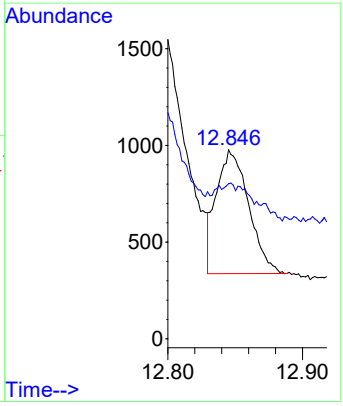


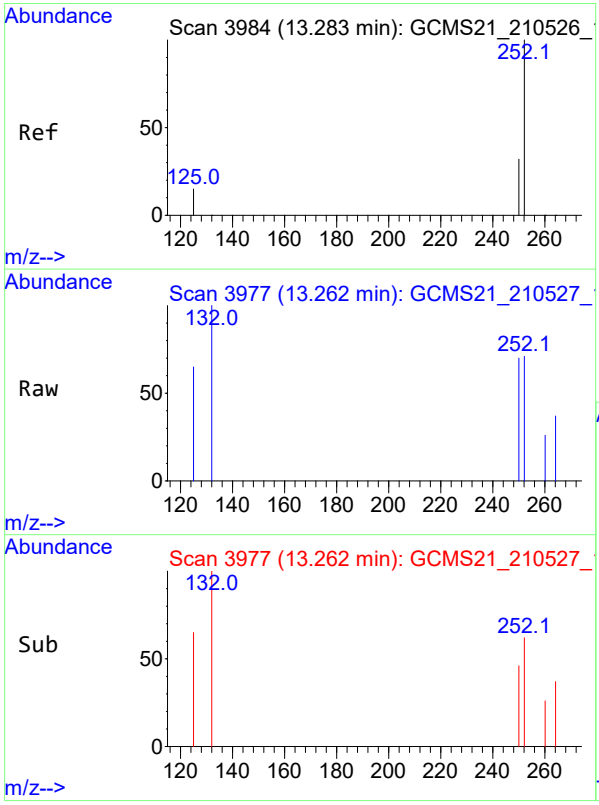


#24
benzo(b+k)fluoranthene (sum)
Concen: 0.65 ng/mL
RT: 12.846 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:252 Resp: 997

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.6

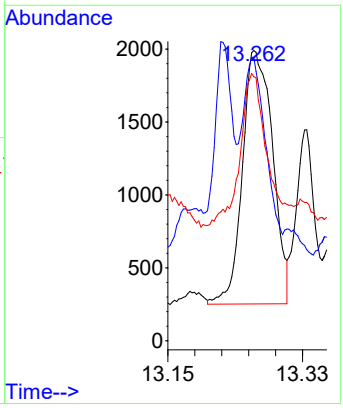


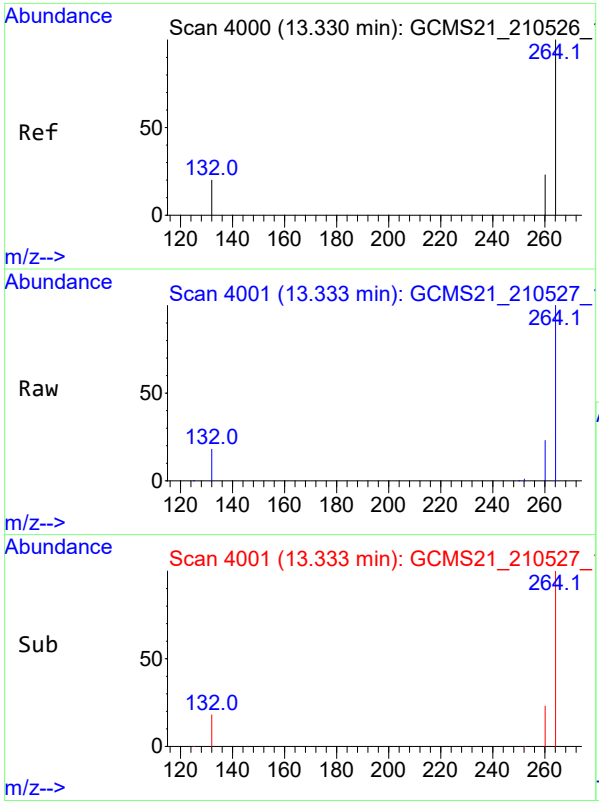


#25
Benzo(e)pyrene
Concen: 3.41 ng/mL
RT: 13.262 min Scan# 3977
Delta R.T. -0.021 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:252 Resp: 4824

Ion	Ratio	Lower	Upper
252	100		
250	51.2	2.2	62.2
125	116.2	0.0	45.4#

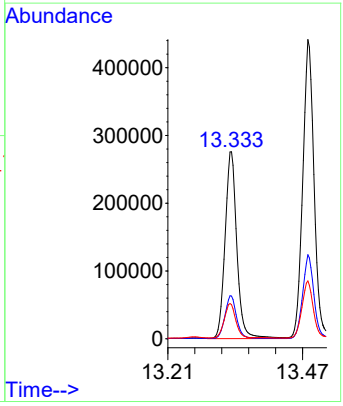


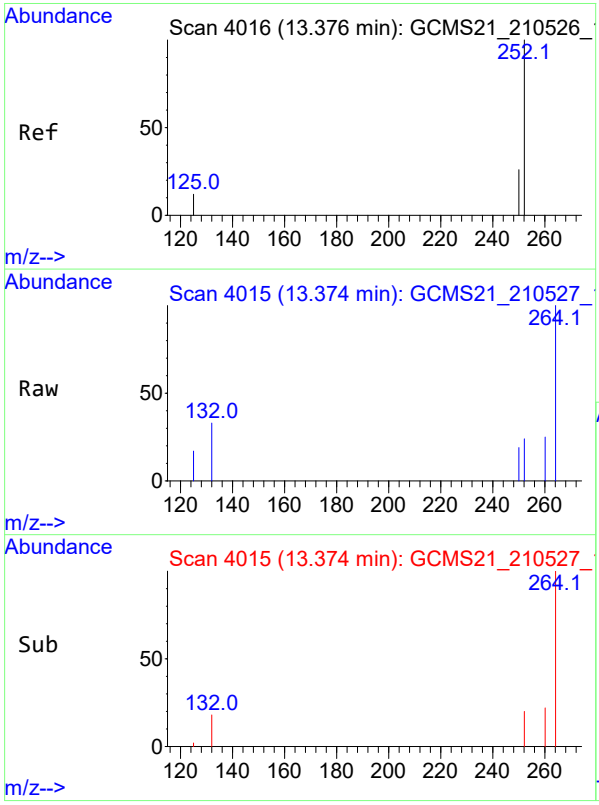


#26
Benzo(a)pyrene-D12
Concen: 401.03 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:264 Resp: 440247

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	19.0	0.0	49.7

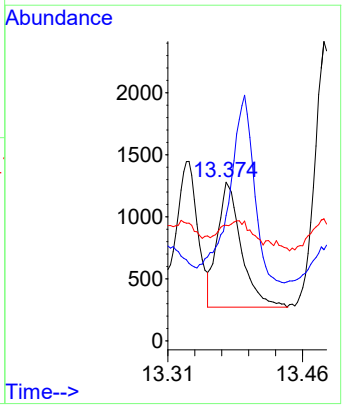


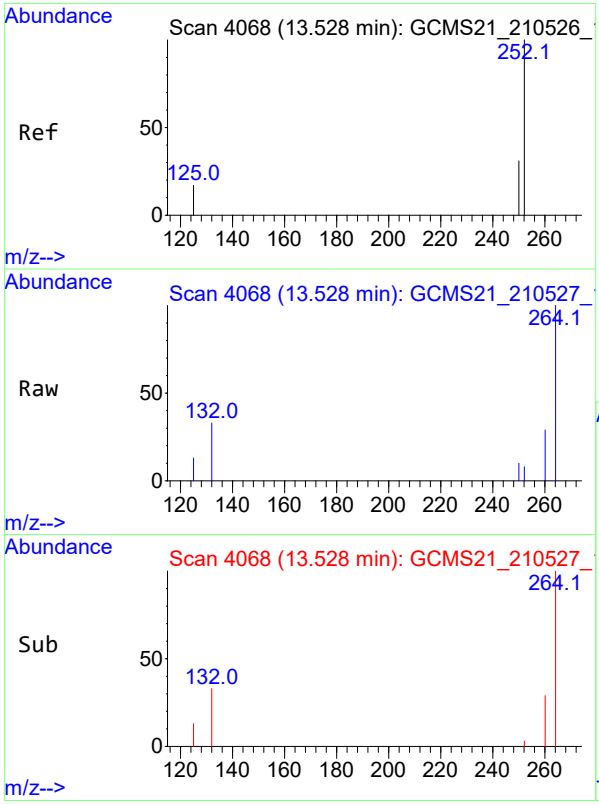


#27
Benzo(a)pyrene
Concen: 1.44 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.002 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:252 Resp: 1847

Ion	Ratio	Lower	Upper
252	100		
250	157.5	0.0	56.4#
125	23.5	0.0	41.7

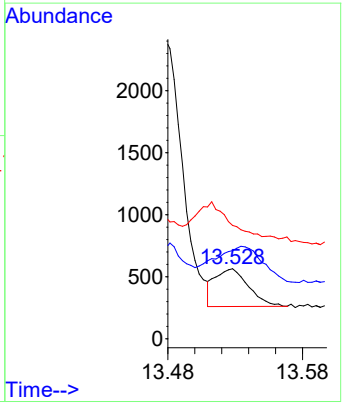


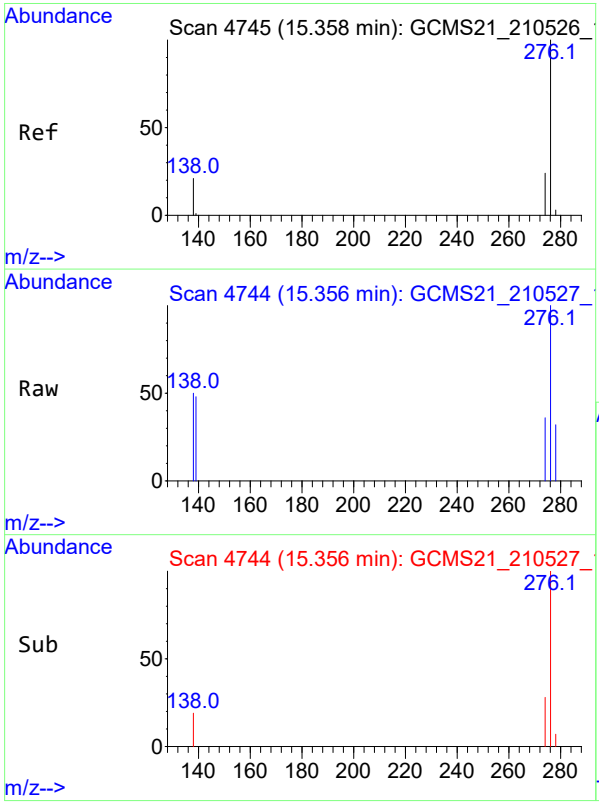


#28
Perylene
Concen: 0.35 ng/mL
RT: 13.528 min Scan# 4068
Delta R.T. 0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:252 Resp: 496

Ion	Ratio	Lower	Upper
252	100		
250	140.3	1.5	61.5#
125	159.9	0.0	46.6#

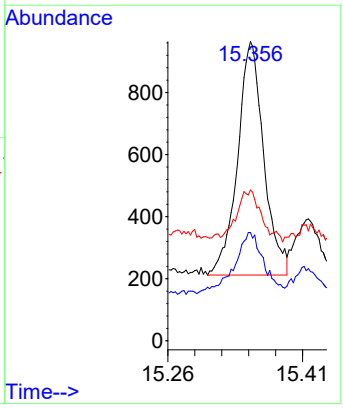


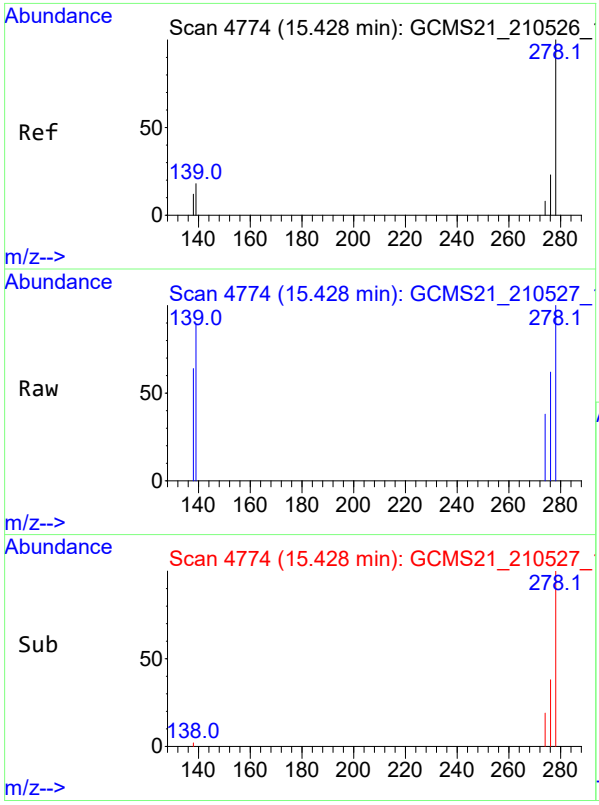


#29
Indeno(1,2,3-cd)pyrene
Concen: 1.41 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. -0.002 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:276 Resp: 1539

Ion	Ratio	Lower	Upper
276	100		
274	29.4	0.0	53.8
138	16.8	0.0	50.7

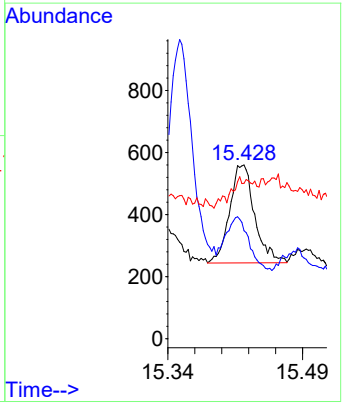


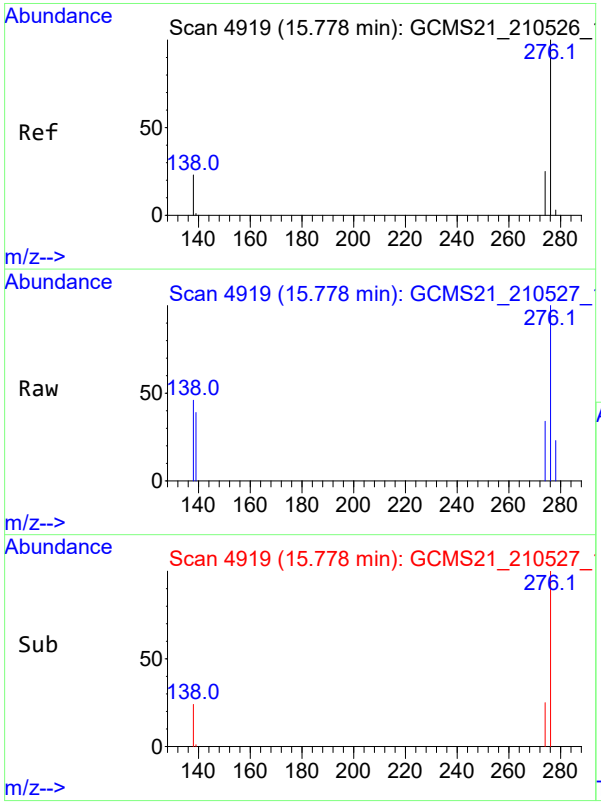


#30
Dibenz(a,h)anthracene
Concen: 0.56 ng/mL
RT: 15.428 min Scan# 4774
Delta R.T. -0.000 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:278 Resp: 616

Ion	Ratio	Lower	Upper
278	100		
276	52.8	0.0	52.8
139	0.0	0.0	47.6

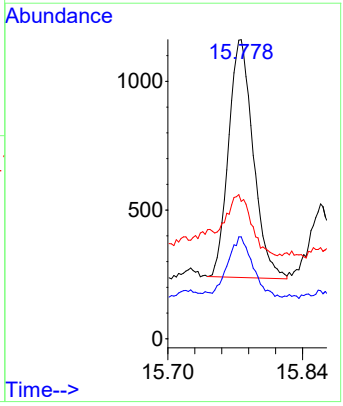




#31
Benzo(g,h,i)perylene
Concen: 1.11 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. -0.001 min
Lab File: GCMS21_210527_10.D
Acq: 27 May 2021 15:50

Tgt Ion:276 Resp: 1586

Ion	Ratio	Lower	Upper
276	100		
274	25.6	0.0	54.8
138	27.1	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_11.D
Acq On : 27 May 2021 16:15
Operator : MN GCMS21
Sample : 2105001-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 11:30:54 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

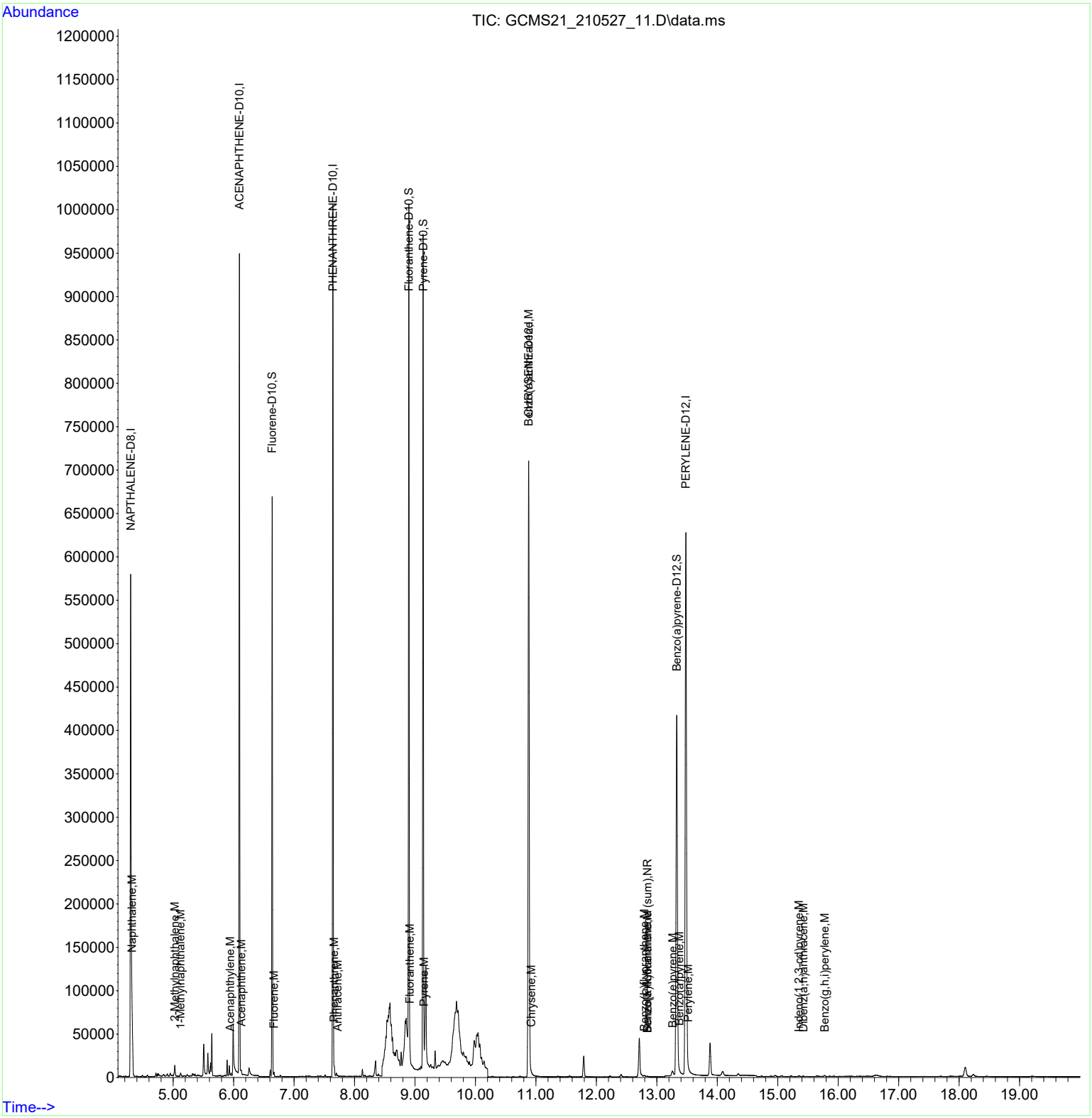
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	591996	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	346569	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	696786	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.880	240	721996	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	666691	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0	0.00	ng/mL	
9) Fluorene-D10	6.637	176	253207	305.17	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	587748	389.56	ng/mL	0.00
17) Pyrene-D10	9.135	212	631216	383.18	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.330	264	478832	442.06	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.319	128	7652	6.74	ng/mL	95
4) 2-Methylnaphthalene	5.028	142	3553	4.25	ng/mL	92
5) 1-Methylnaphthalene	5.124	142	1510	2.17	ng/mL	94
7) Acenaphthylene	5.942	152	749	0.65	ng/mL#	1
8) Acenaphthene	6.126	153	1179	1.34	ng/mL#	18
10) Fluorene	6.668	166	1616	1.66	ng/mL	82
12) Phenanthrene	7.665	178	5030	2.99	ng/mL	98
13) Anthracene	7.719	178	626	0.45	ng/mL#	49
15) Fluoranthene	8.916	202	2440	1.37	ng/mL#	1
18) Pyrene	9.153	202	1934	1.01	ng/mL#	56
19) Benzo(a)anthracene	10.878	228	3648	2.51	ng/mL	75
20) Chrysene	10.921	228	1221	0.68	ng/mL	93
22) Benzo(b)fluoranthene	12.792	252	2122	1.53	ng/mL	83
23) Benzo(k)fluoranthene	12.846	252	701	0.46	ng/mL	98
24) benzo(b+k)fluoranthene...	12.846	252	724	0.48	ng/mL	99
25) Benzo(e)pyrene	13.263	252	3544	2.54	ng/mL#	23
27) Benzo(a)pyrene	13.374	252	995	0.79	ng/mL#	83
28) Perylene	13.520	252	393	0.28	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.353	276	1090	1.01	ng/mL	89
30) Dibenz(a,h)anthracene	15.423	278	481	0.45	ng/mL#	34
31) Benzo(g,h,i)perylene	15.778	276	1253	0.89	ng/mL	92

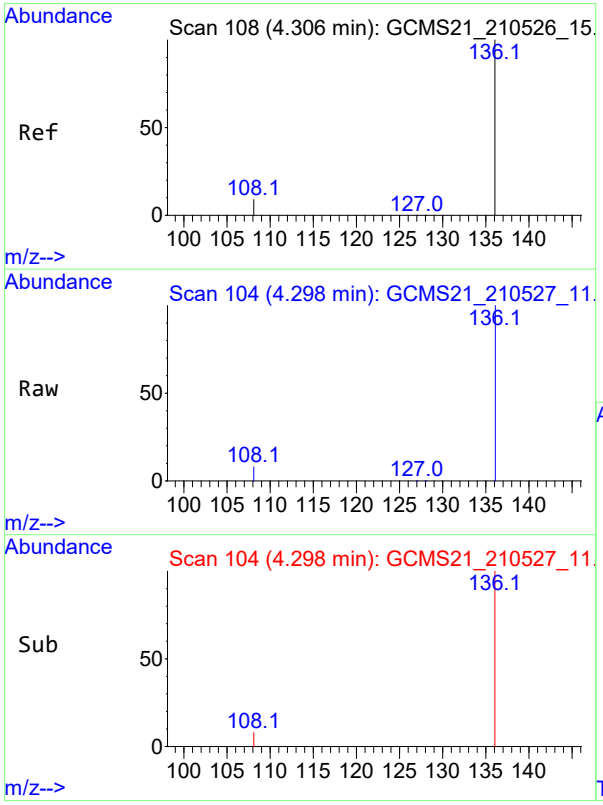
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_11.D
Acq On : 27 May 2021 16:15
Operator : MN GCMS21
Sample : 2105001-08
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 28 11:30:54 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

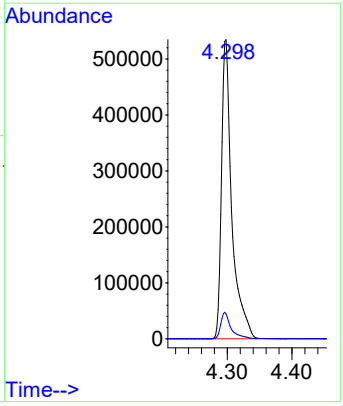


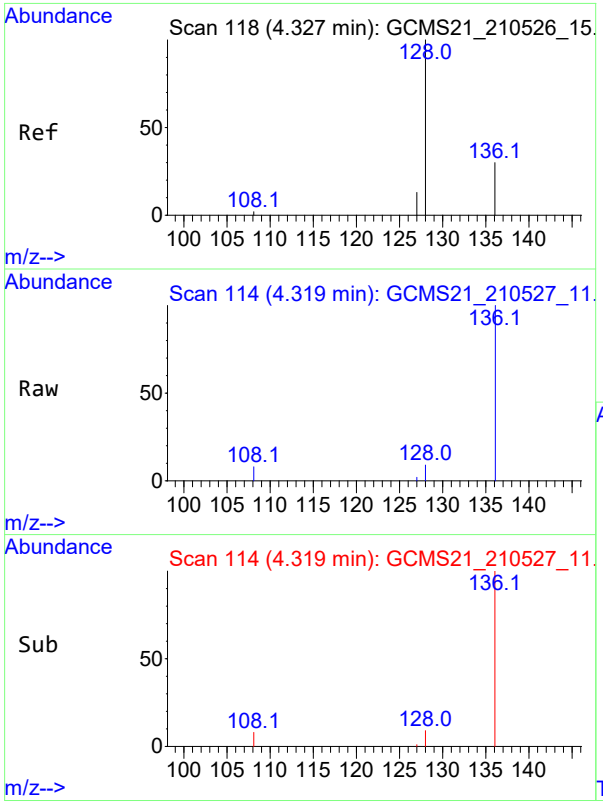


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:136 Resp: 591996

Ion	Ratio	Lower	Upper
136	100		
108	8.8	0.0	28.3

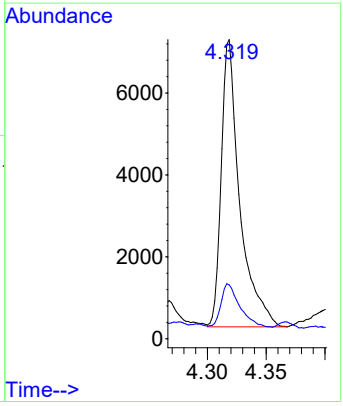


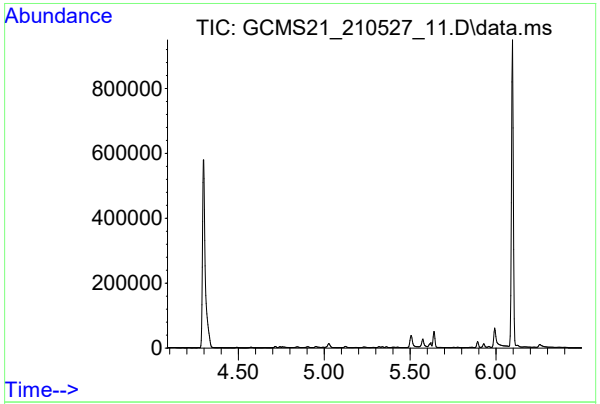


#2
Naphthalene
Concen: 6.74 ng/mL
RT: 4.319 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:128 Resp: 7652

Ion	Ratio	Lower	Upper
128	100		
127	15.5	0.0	43.3



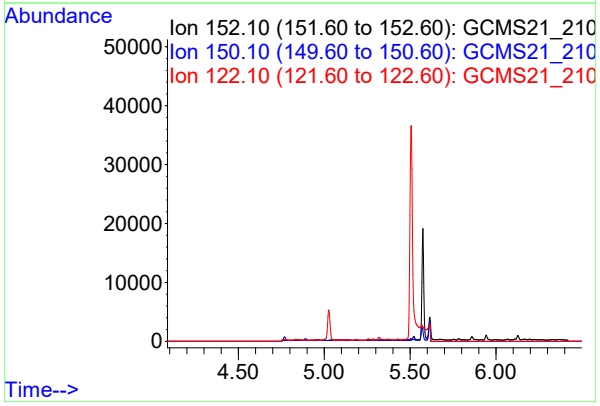


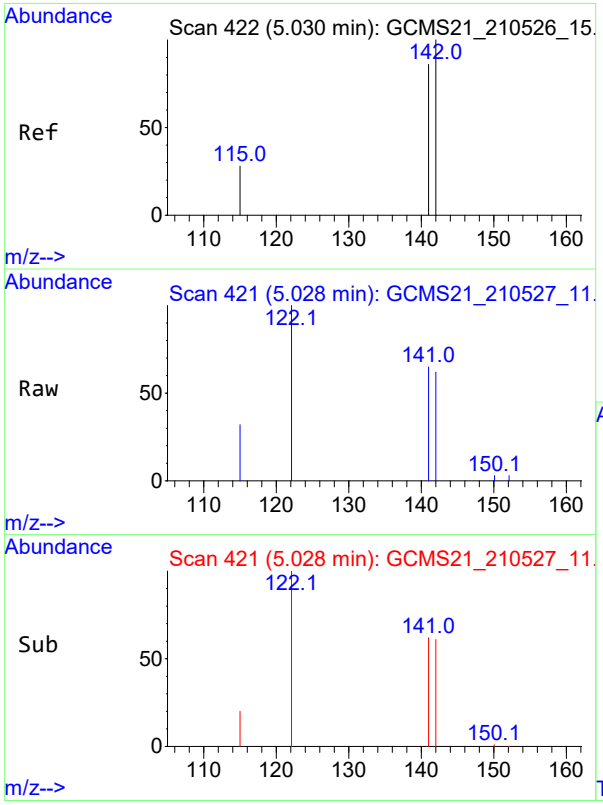
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5

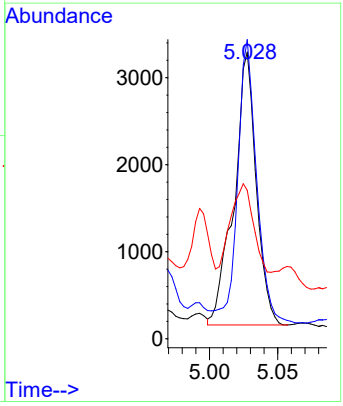


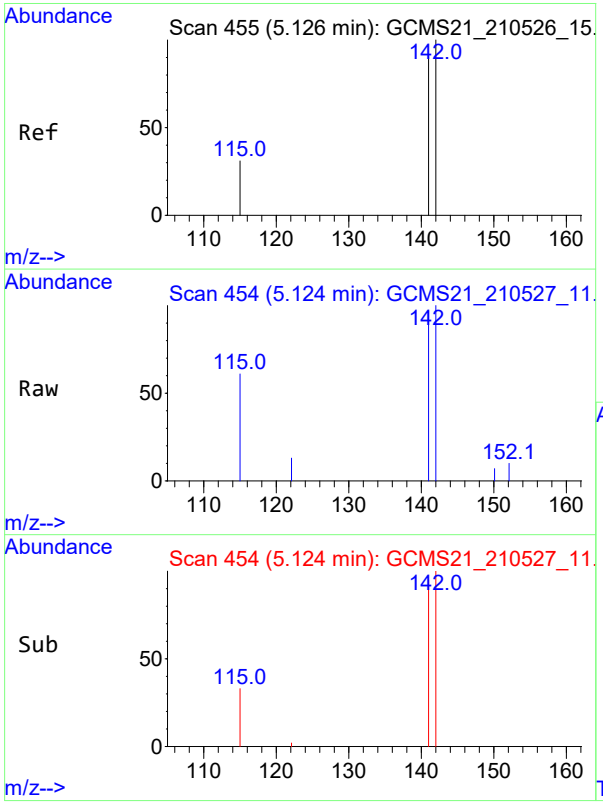


#4
2-Methylnaphthalene
Concen: 4.25 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:142 Resp: 3553

Ion	Ratio	Lower	Upper
142	100		
141	88.6	56.3	116.3
115	39.9	0.0	57.4

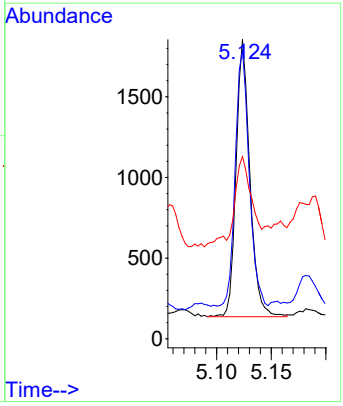


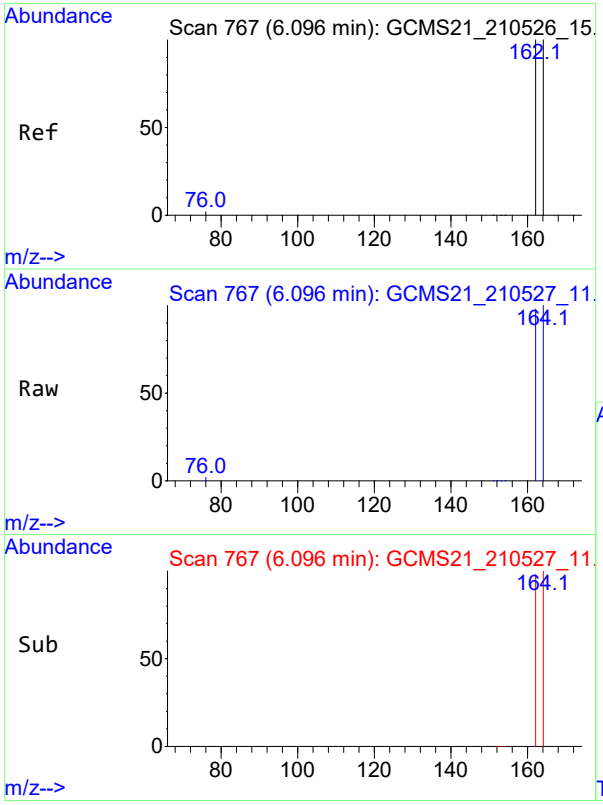


#5
1-Methylnaphthalene
Concen: 2.17 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:142 Resp: 1510

Ion	Ratio	Lower	Upper
142	100		
141	92.7	61.5	121.5
115	41.7	0.2	60.2

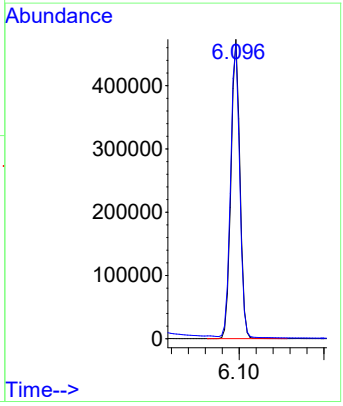


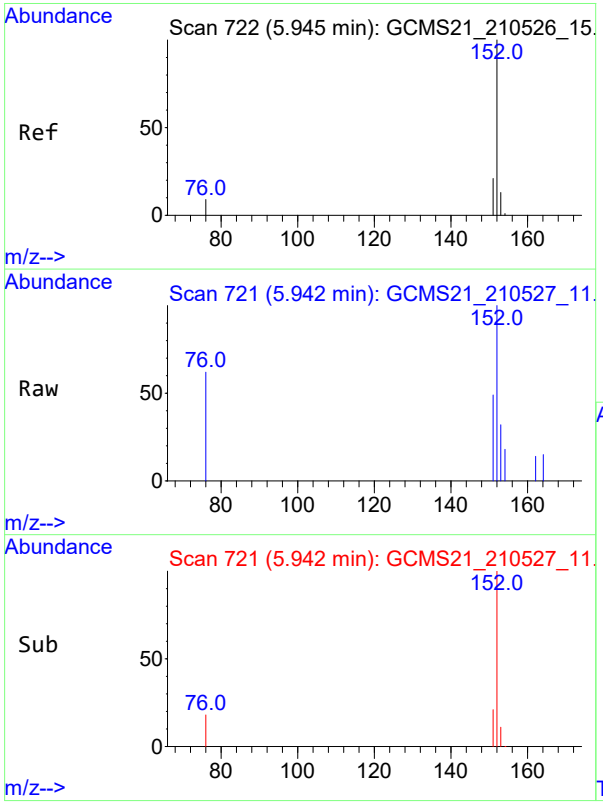


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:164 Resp: 346569

Ion	Ratio	Lower	Upper
164	100		
162	100.9	77.7	117.7

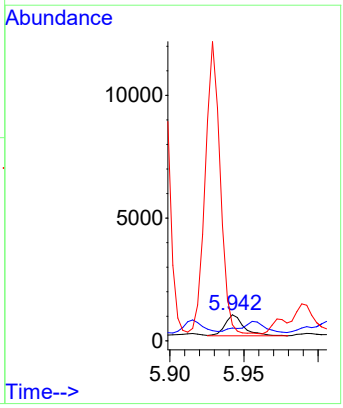


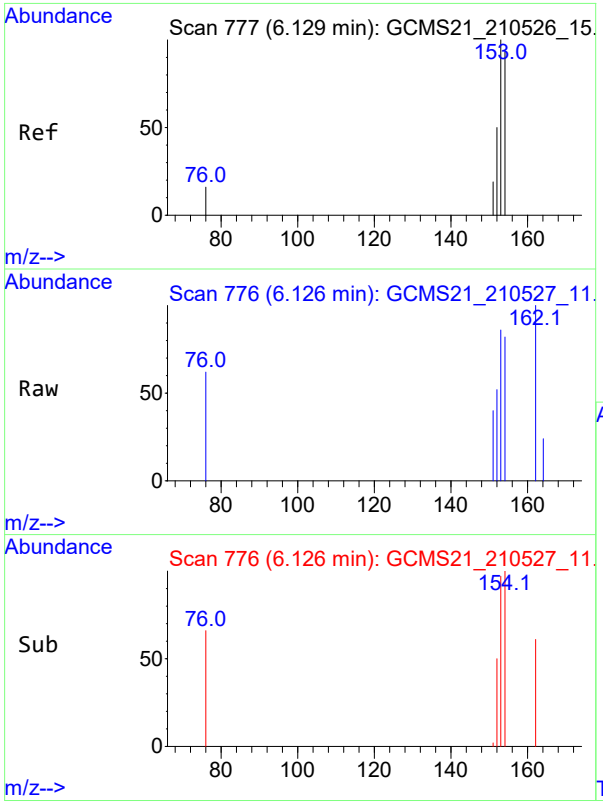


#7
Acenaphthylene
Concen: 0.65 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:152 Resp: 749

Ion	Ratio	Lower	Upper
152	100		
151	69.7	0.0	52.0#
76	1140.3	0.0	39.5#

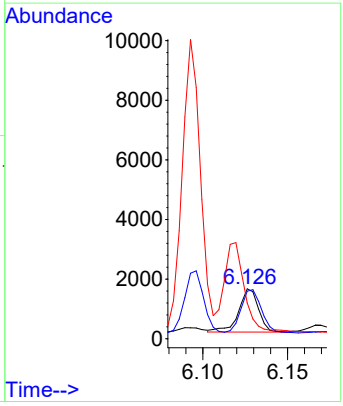


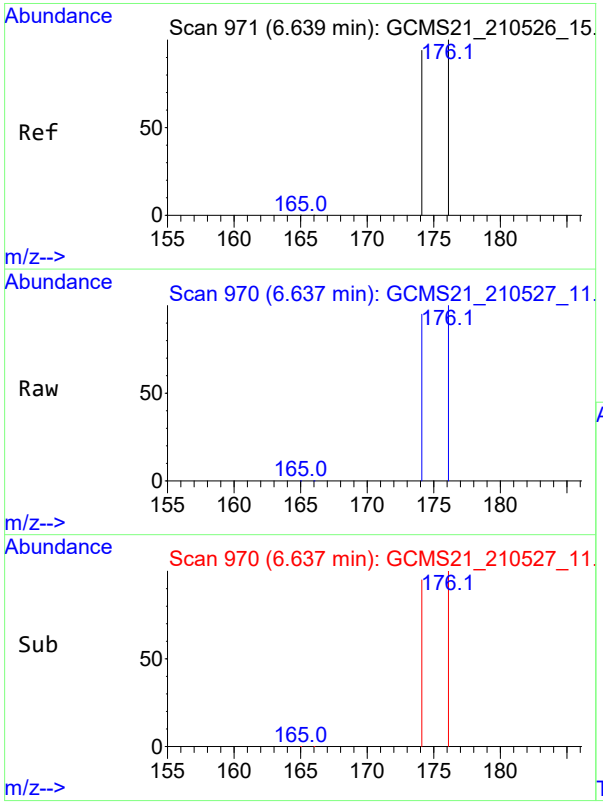


#8
Acenaphthene
Concen: 1.34 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:153 Resp: 1179

Ion	Ratio	Lower	Upper
153	100		
154	103.2	60.4	120.4
76	208.7	0.0	47.4#

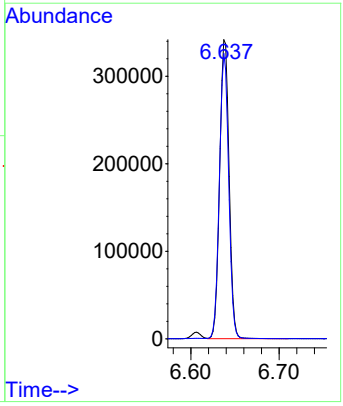


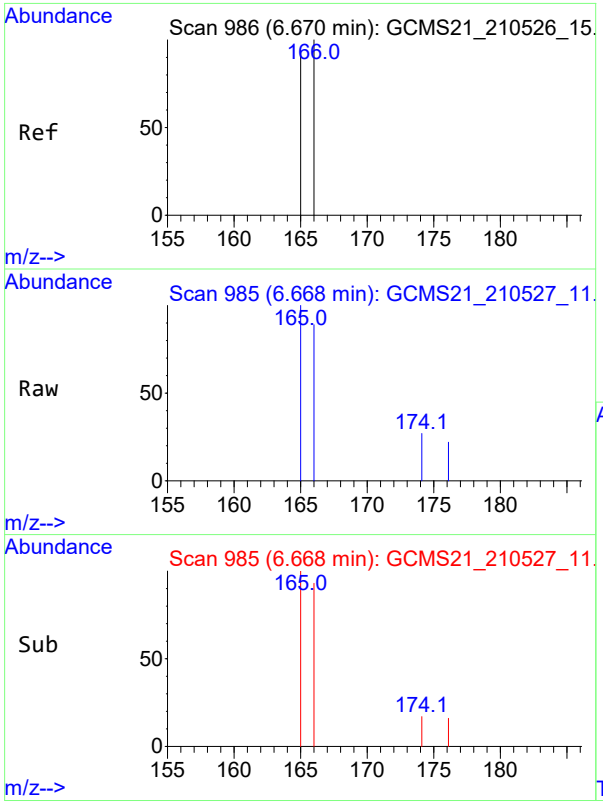


#9
Fluorene-D10
Concen: 305.17 ng/mL
RT: 6.637 min Scan# 970
Delta R.T. -0.002 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:176 Resp: 253207

Ion	Ratio	Lower	Upper
176	100		
174	94.2	63.9	123.9

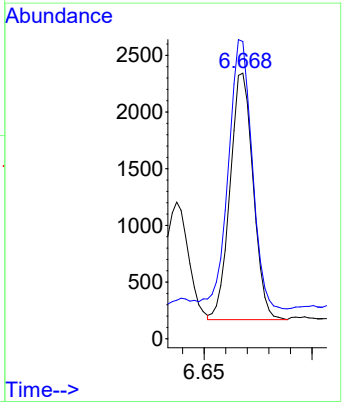


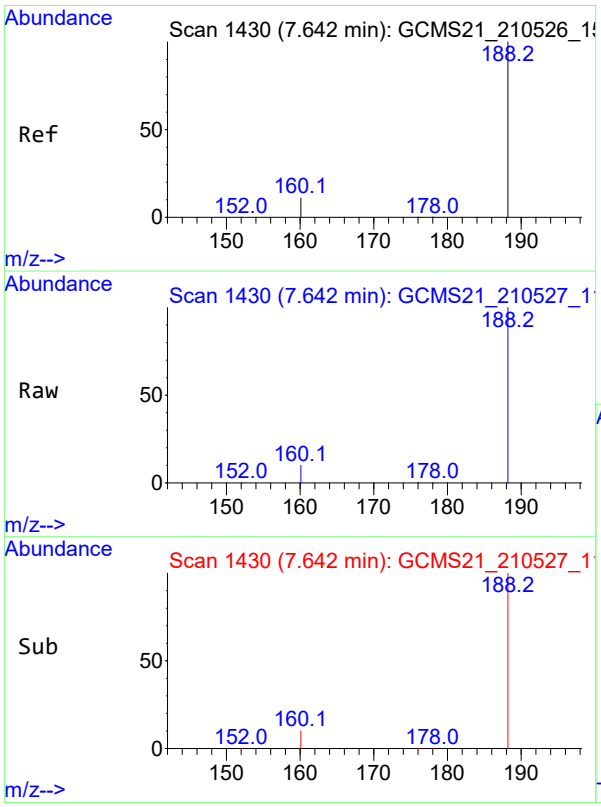


#10
Fluorene
Concen: 1.66 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:166 Resp: 1616

Ion	Ratio	Lower	Upper
166	100		
165	112.3	65.1	125.1

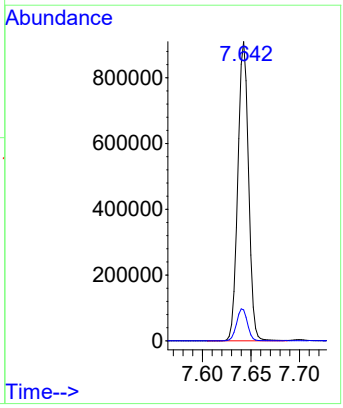


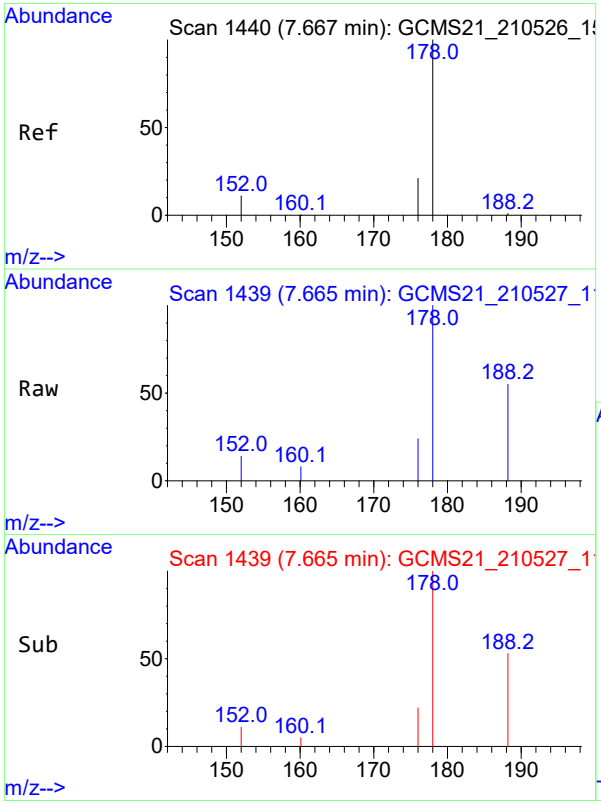


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:188 Resp: 696786

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	39.8

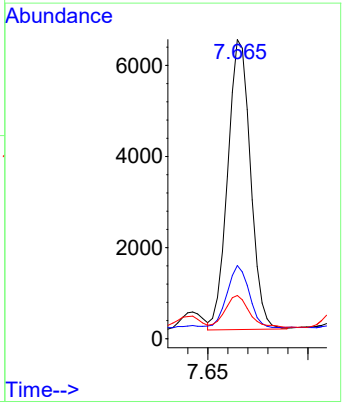


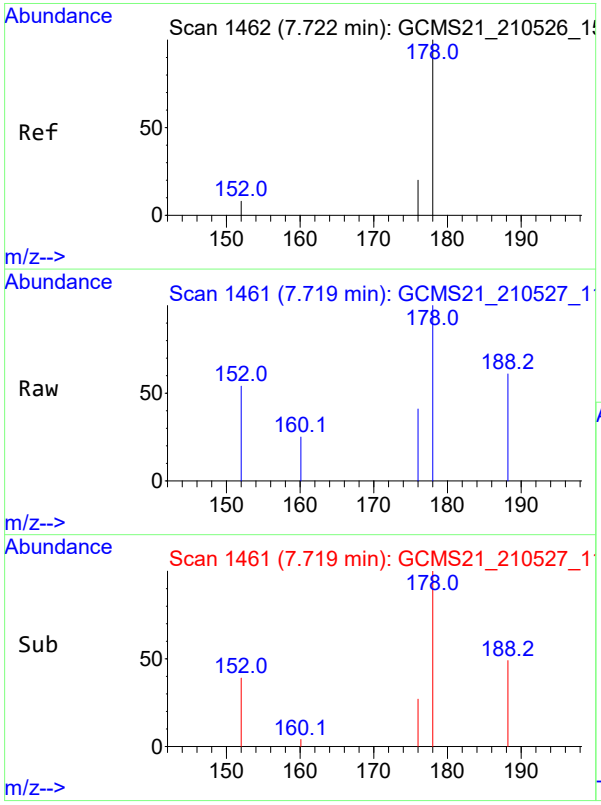


#12
Phenanthrene
Concen: 2.99 ng/mL
RT: 7.665 min Scan# 1439
Delta R.T. -0.002 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:178 Resp: 5030

Ion	Ratio	Lower	Upper
178	100		
176	20.5	0.0	50.9
152	12.0	0.0	40.5

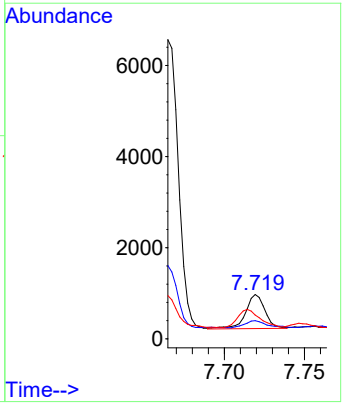


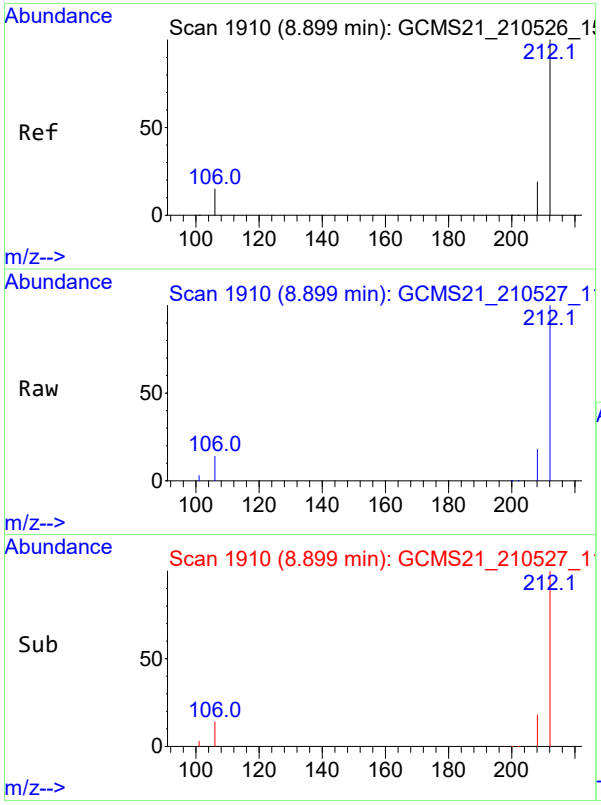


#13
Anthracene
Concen: 0.45 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:178 Resp: 626

Ion	Ratio	Lower	Upper
178	100		
176	22.8	0.0	50.2
152	66.0	0.0	38.2#

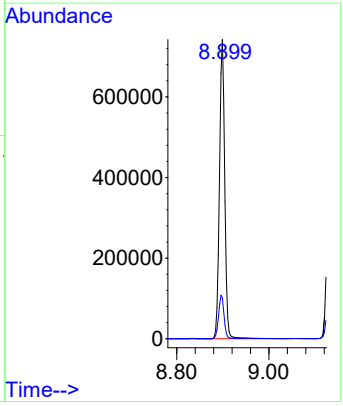


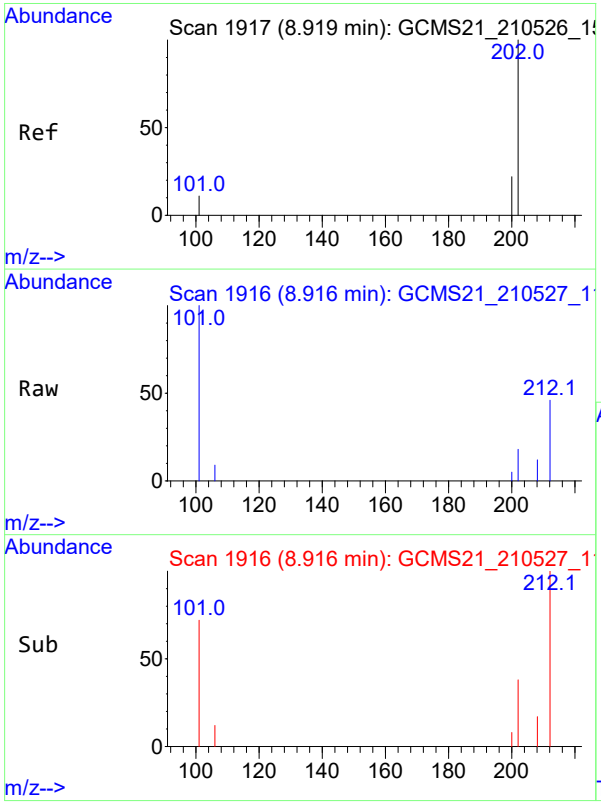


#14
Fluoranthene-D10
Concen: 389.56 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:212 Resp: 587748

Ion	Ratio	Lower	Upper
212	100		
106	14.9	0.0	44.9

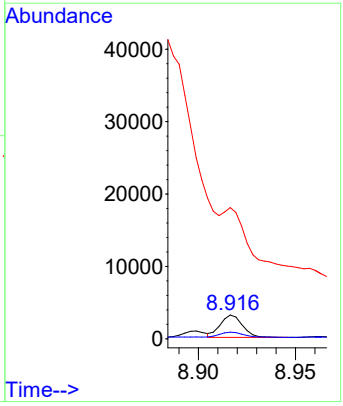


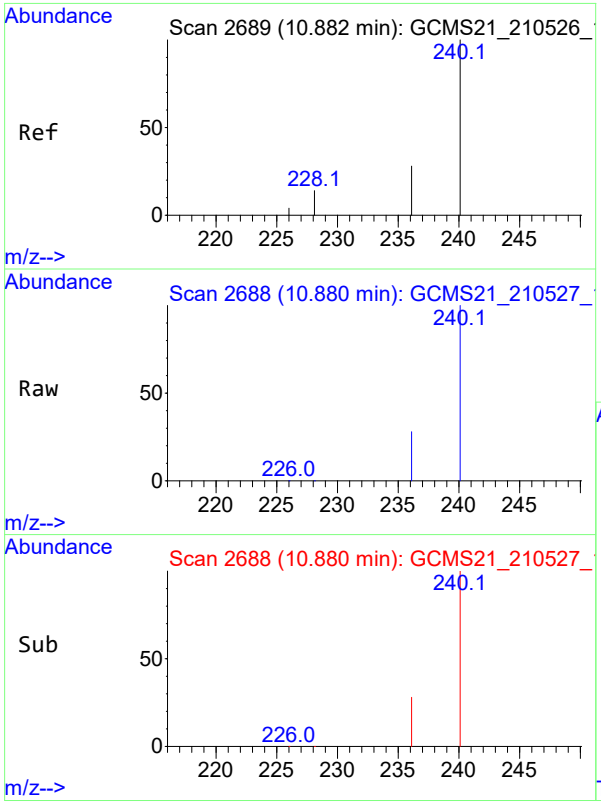


#15
Fluoranthene
Concen: 1.37 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:202 Resp: 2440

Ion	Ratio	Lower	Upper
202	100		
200	25.2	0.0	52.4
101	669.1	0.0	41.1#

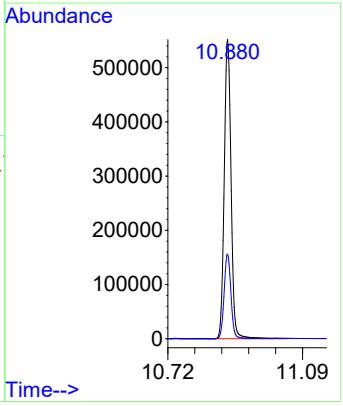


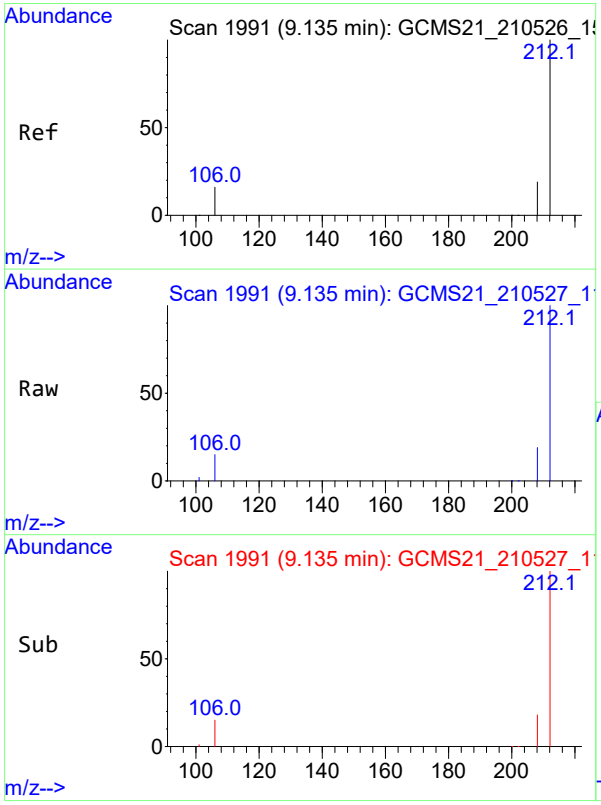


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.880 min Scan# 2688
Delta R.T. -0.002 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:240 Resp: 721996

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.6

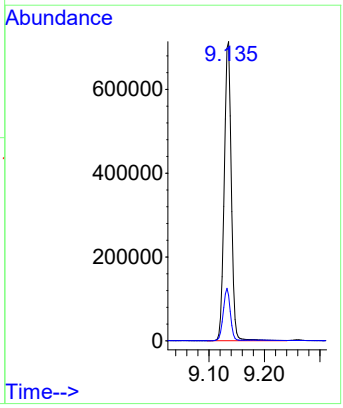


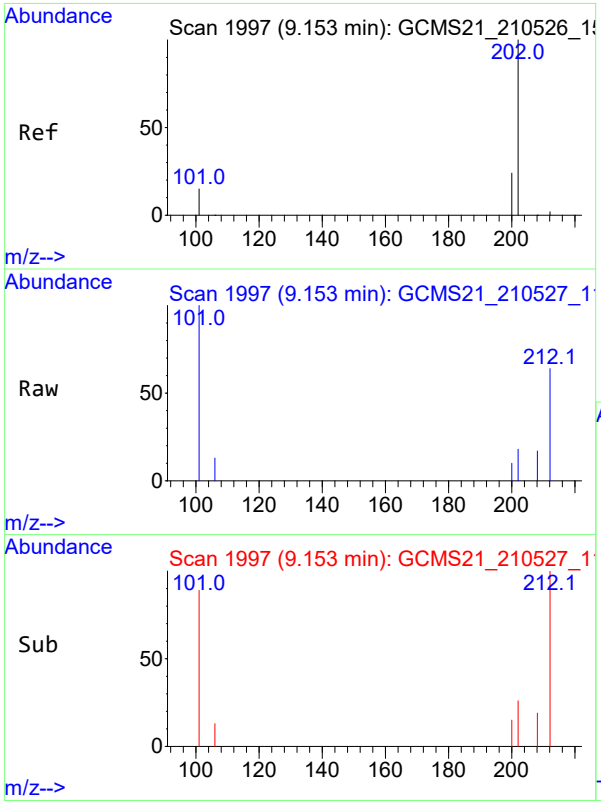


#17
Pyrene-D10
Concen: 383.18 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:212 Resp: 631216

Ion	Ratio	Lower	Upper
212	100		
106	17.3	0.0	46.2

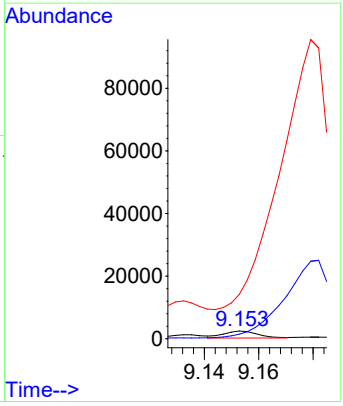


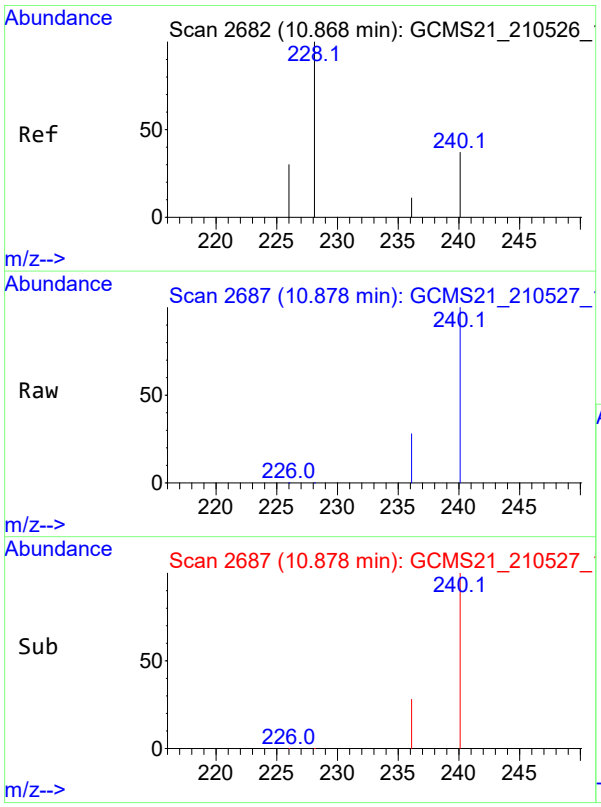


#18
Pyrene
Concen: 1.01 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:202 Resp: 1934

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

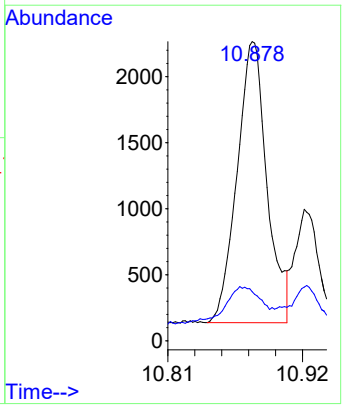


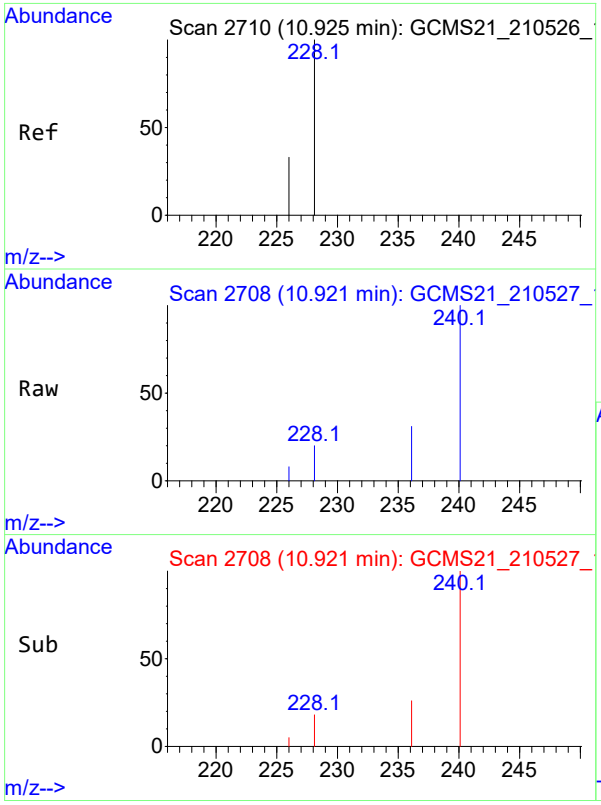


#19
Benzo(a)anthracene
Concen: 2.51 ng/mL
RT: 10.878 min Scan# 2687
Delta R.T. 0.010 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:228 Resp: 3648

Ion	Ratio	Lower	Upper
228	100		
226	16.5	0.0	59.8

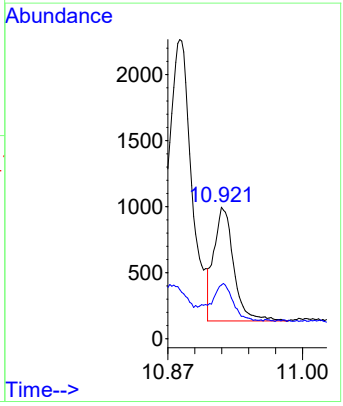


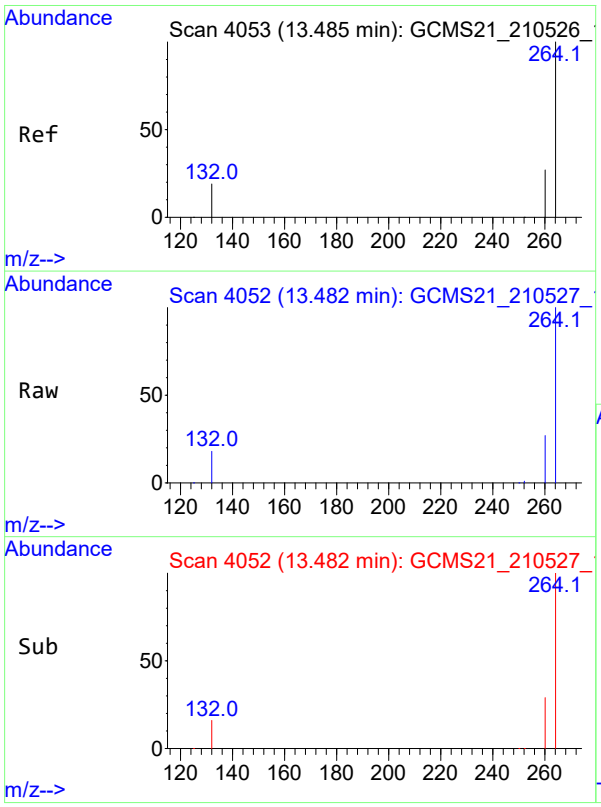


#20
Chrysene
Concen: 0.68 ng/mL
RT: 10.921 min Scan# 2708
Delta R.T. -0.004 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:228 Resp: 1221

Ion	Ratio	Lower	Upper
228	100		
226	36.9	2.8	62.8

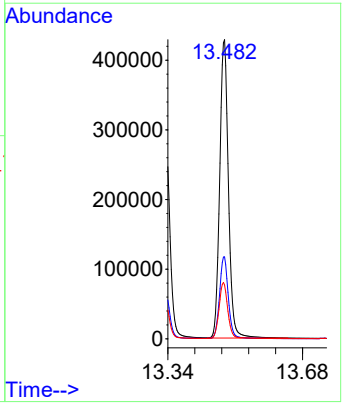


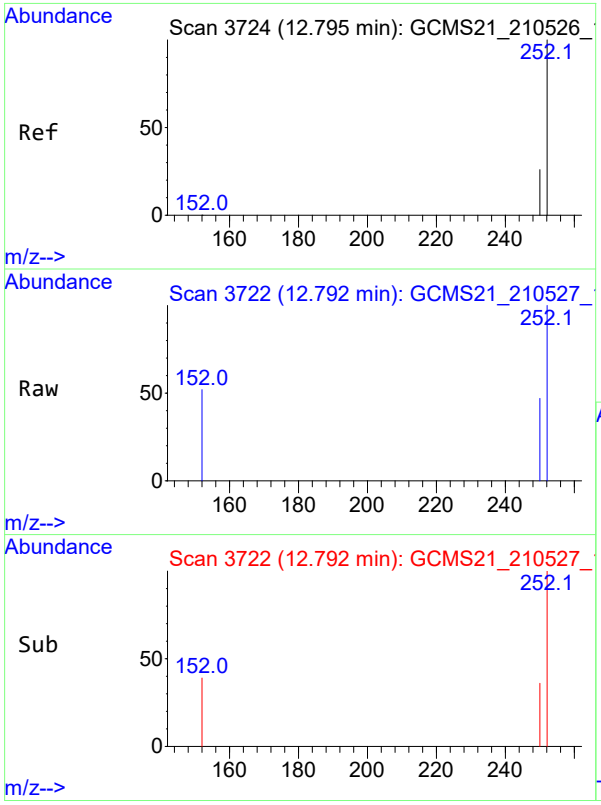


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.003 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:264 Resp: 666691

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.5
132	18.7	0.0	49.5

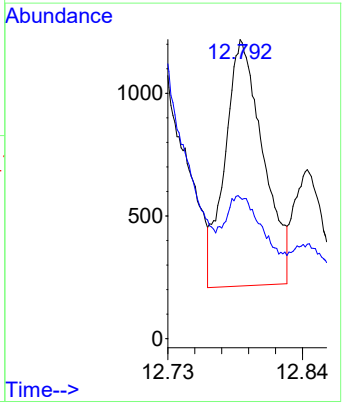


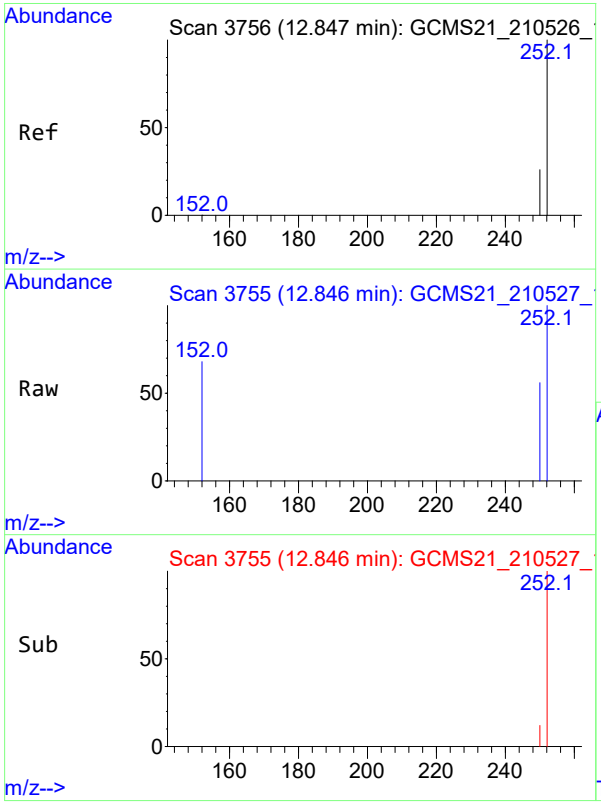


#22
Benzo(b)fluoranthene
Concen: 1.53 ng/mL
RT: 12.792 min Scan# 3722
Delta R.T. -0.003 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:252 Resp: 2122

Ion	Ratio	Lower	Upper
252	100		
250	34.8	0.0	56.2

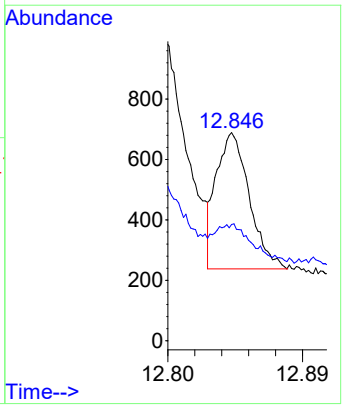


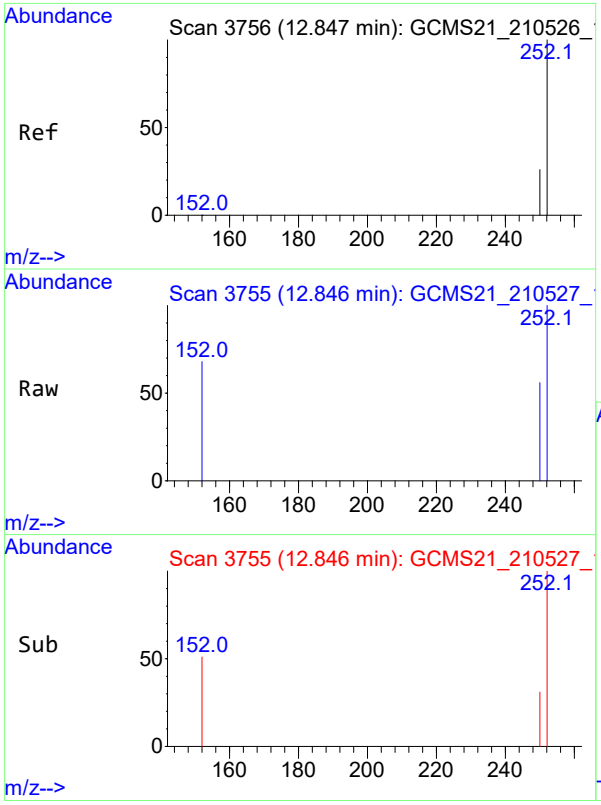


#23
Benzo(k)fluoranthene
Concen: 0.46 ng/mL
RT: 12.846 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:252 Resp: 701

Ion	Ratio	Lower	Upper
252	100		
250	24.5	0.0	55.6

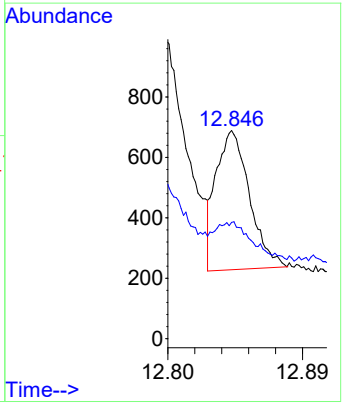


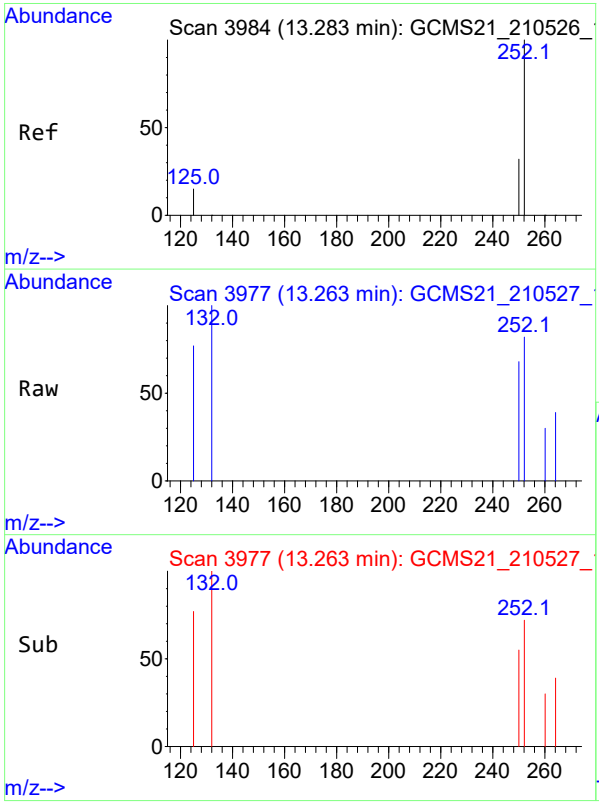


#24
benzo(b+k)fluoranthene (sum)
Concen: 0.48 ng/mL
RT: 12.846 min Scan# 3755
Delta R.T. -0.002 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:252 Resp: 724

Ion	Ratio	Lower	Upper
252	100		
250	26.2	0.0	55.6

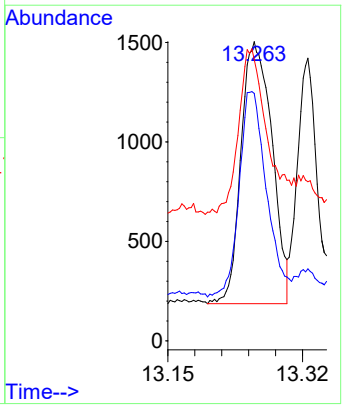


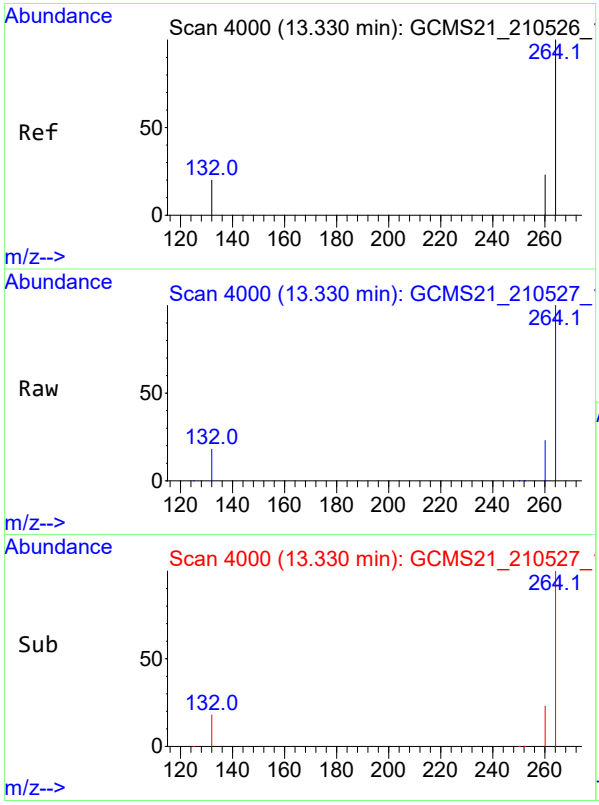


#25
Benzo(e)pyrene
Concen: 2.54 ng/mL
RT: 13.263 min Scan# 3977
Delta R.T. -0.020 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:252 Resp: 3544

Ion	Ratio	Lower	Upper
252	100		
250	69.5	2.2	62.2#
125	57.3	0.0	45.4#

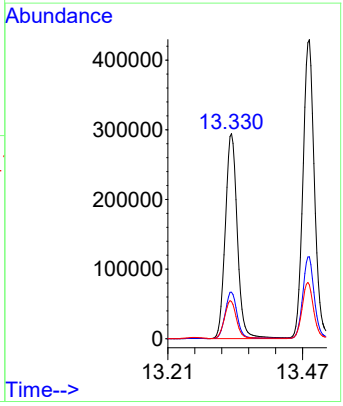


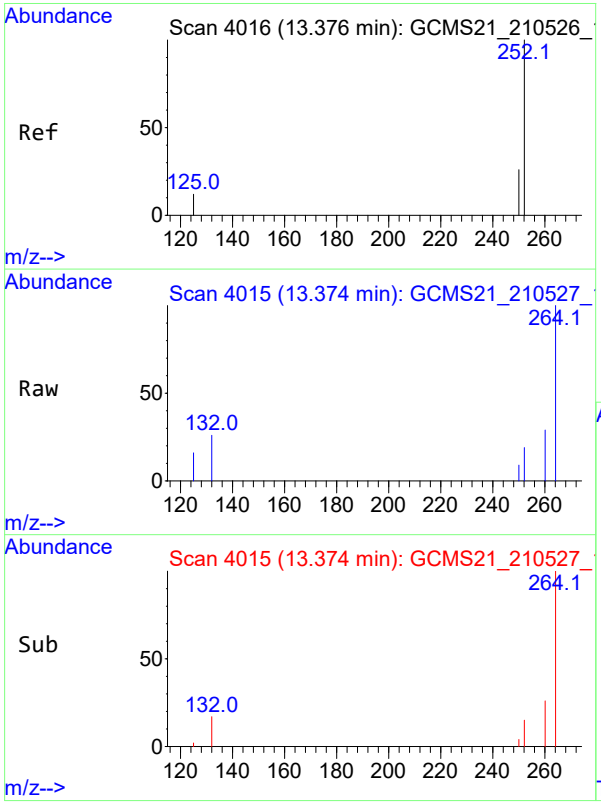


#26
Benzo(a)pyrene-D12
Concen: 442.06 ng/mL
RT: 13.330 min Scan# 4000
Delta R.T. -0.000 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:264 Resp: 478832

Ion	Ratio	Lower	Upper
264	100		
260	22.9	0.0	53.0
132	18.3	0.0	49.7

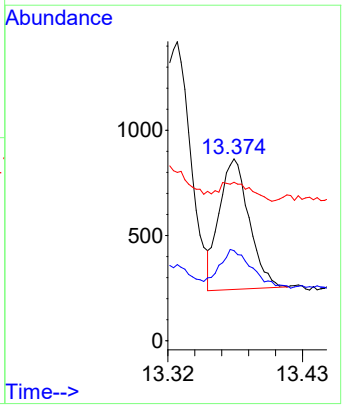


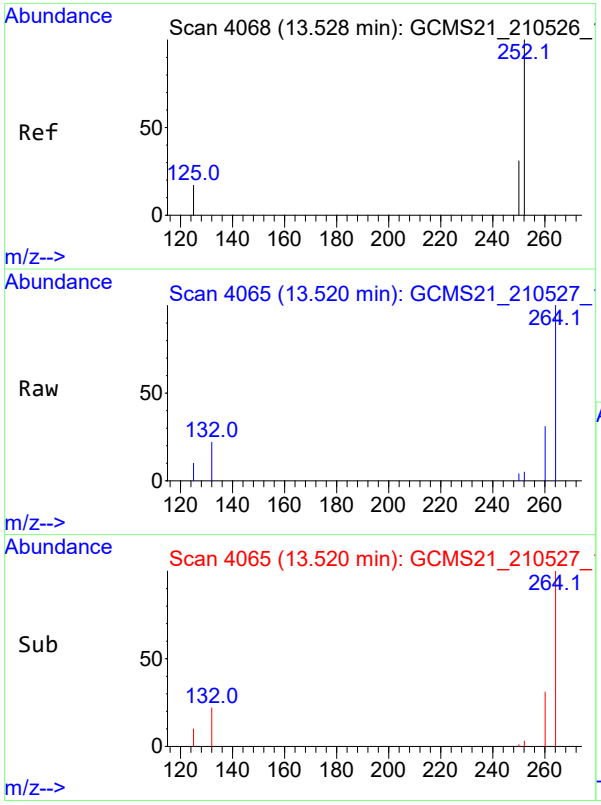


#27
Benzo(a)pyrene
Concen: 0.79 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.002 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:252 Resp: 995

Ion	Ratio	Lower	Upper
252	100		
250	32.4	0.0	56.4
125	0.0	0.0	41.7

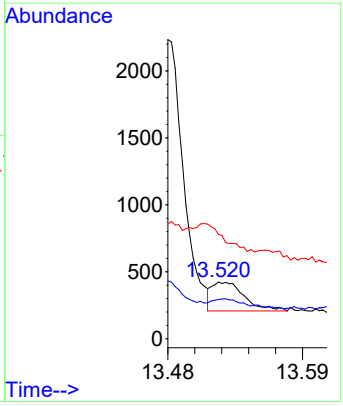


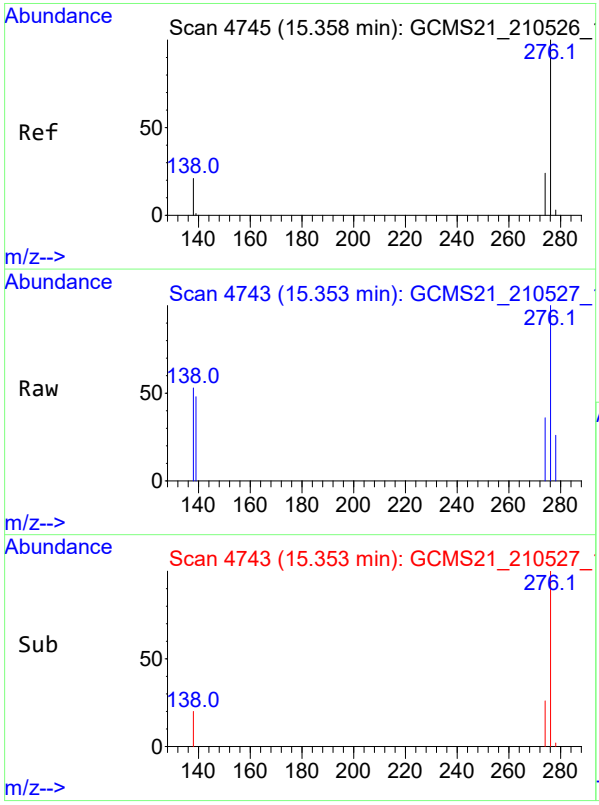


#28
Perylene
Concen: 0.28 ng/mL
RT: 13.520 min Scan# 4065
Delta R.T. -0.008 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:252 Resp: 393

Ion	Ratio	Lower	Upper
252	100		
250	0.0	1.5	61.5#
125	95.4	0.0	46.6#

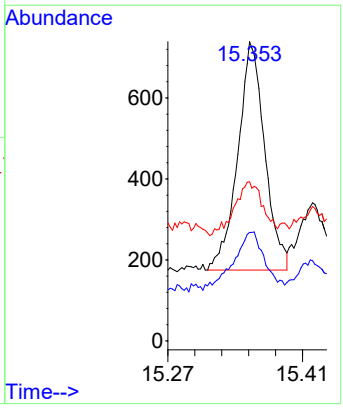


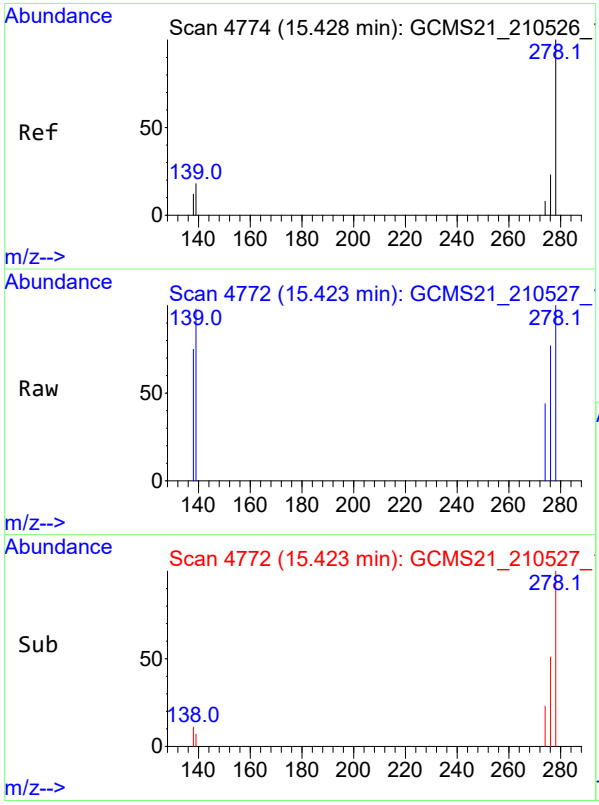


#29
Indeno(1,2,3-cd)pyrene
Concen: 1.01 ng/mL
RT: 15.353 min Scan# 4743
Delta R.T. -0.005 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:276 Resp: 1090

Ion	Ratio	Lower	Upper
276	100		
274	29.8	0.0	53.8
138	24.8	0.0	50.7

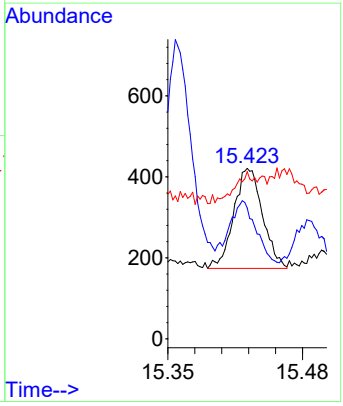


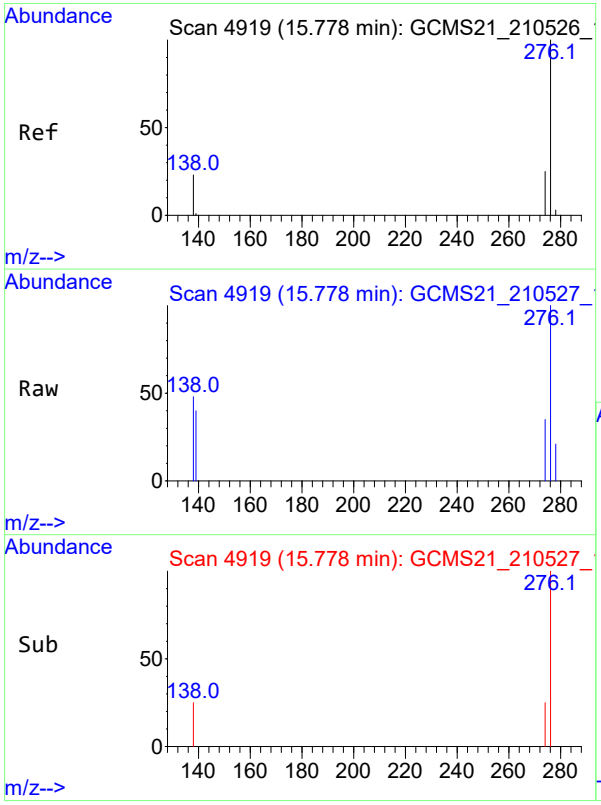


#30
Dibenz(a,h)anthracene
Concen: 0.45 ng/mL
RT: 15.423 min Scan# 4772
Delta R.T. -0.005 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:278 Resp: 481

Ion	Ratio	Lower	Upper
278	100		
276	64.7	0.0	52.8#
139	0.0	0.0	47.6

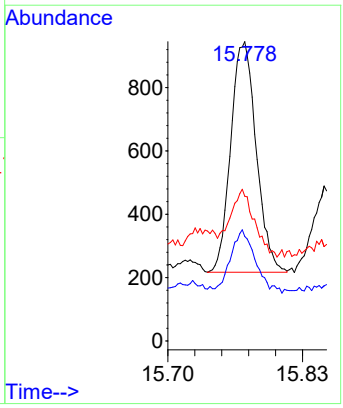




#31
Benzo(g,h,i)perylene
Concen: 0.89 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. -0.000 min
Lab File: GCMS21_210527_11.D
Acq: 27 May 2021 16:15

Tgt Ion:276 Resp: 1253

Ion	Ratio	Lower	Upper
276	100		
274	26.7	0.0	54.8
138	28.7	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_12.D
Acq On : 27 May 2021 16:40
Operator : MN GCMS21
Sample : 2105001-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 11:31:14 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

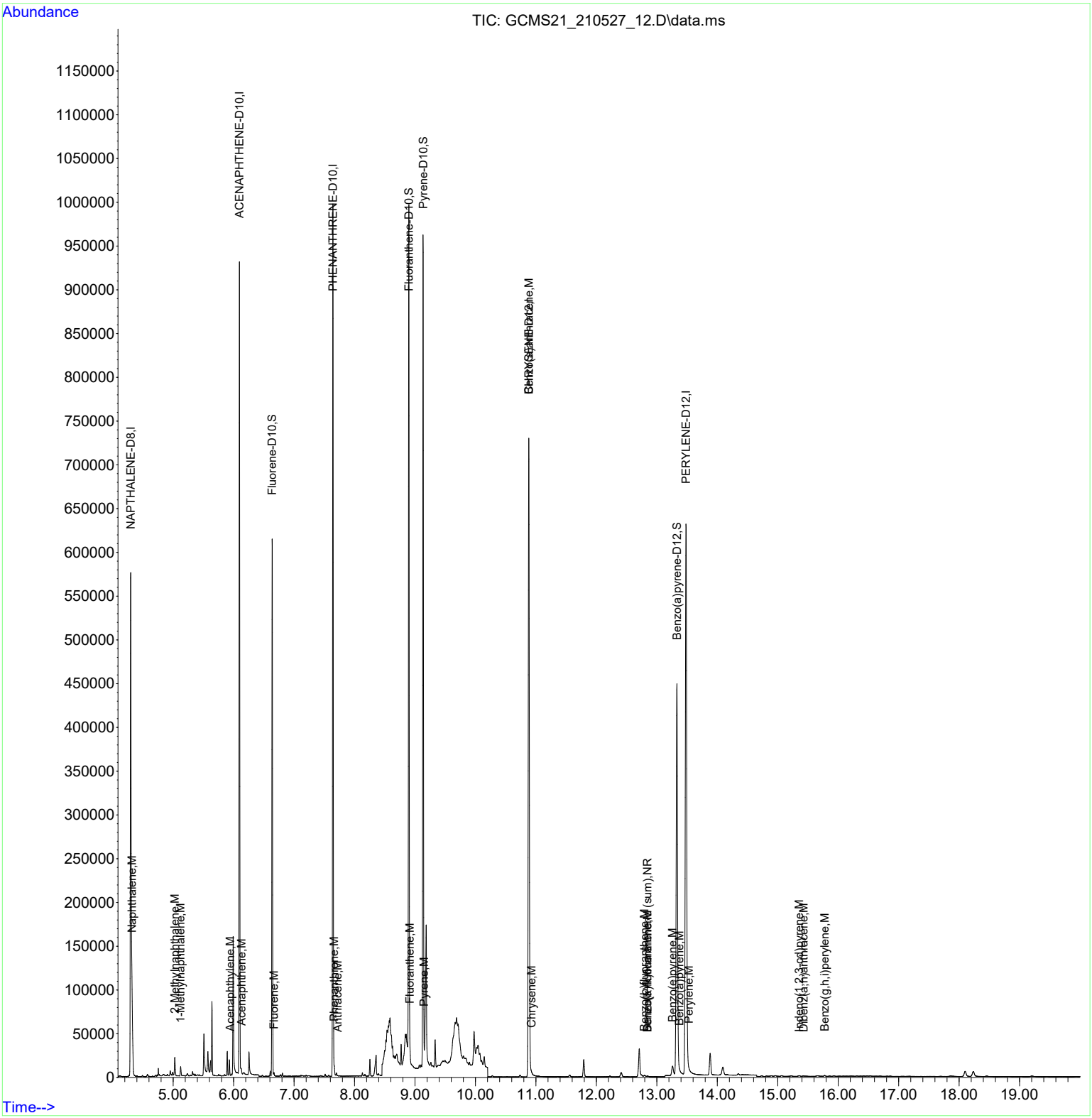
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	577426	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	336026	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	677352	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	714597	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	690339	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.637	176	237175	294.81	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	594838	405.57	ng/mL	0.00
17) Pyrene-D10	9.135	212	611715	375.19	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	508127	453.04	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.318	128	28826	26.02	ng/mL	99
4) 2-Methylnaphthalene	5.028	142	8262	10.13	ng/mL	94
5) 1-Methylnaphthalene	5.123	142	4184	6.16	ng/mL	99
7) Acenaphthylene	5.942	152	292	0.26	ng/mL#	1
8) Acenaphthene	6.129	153	1560	1.83	ng/mL#	14
10) Fluorene	6.668	166	1235	1.31	ng/mL	81
12) Phenanthrene	7.665	178	4500	2.75	ng/mL	97
13) Anthracene	7.719	178	269	0.20	ng/mL#	17
15) Fluoranthene	8.916	202	3574	2.07	ng/mL#	32
18) Pyrene	9.153	202	2455	1.29	ng/mL#	56
19) Benzo(a)anthracene	10.882	228	3321	2.31	ng/mL	61
20) Chrysene	10.925	228	1093	0.62	ng/mL	94
22) Benzo(b)fluoranthene	12.793	252	2032	1.42	ng/mL	63
23) Benzo(k)fluoranthene	12.847	252	884	0.56	ng/mL	97
24) benzo(b+k)fluoranthene...	12.847	252	908	0.58	ng/mL	96
25) Benzo(e)pyrene	13.259	252	5708	3.95	ng/mL#	11
27) Benzo(a)pyrene	13.376	252	999	0.76	ng/mL	91
28) Perylene	13.528	252	223	0.15	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.356	276	1075	0.96	ng/mL	88
30) Dibenz(a,h)anthracene	15.426	278	354	0.32	ng/mL#	8
31) Benzo(g,h,i)perylene	15.775	276	1065	0.73	ng/mL	99

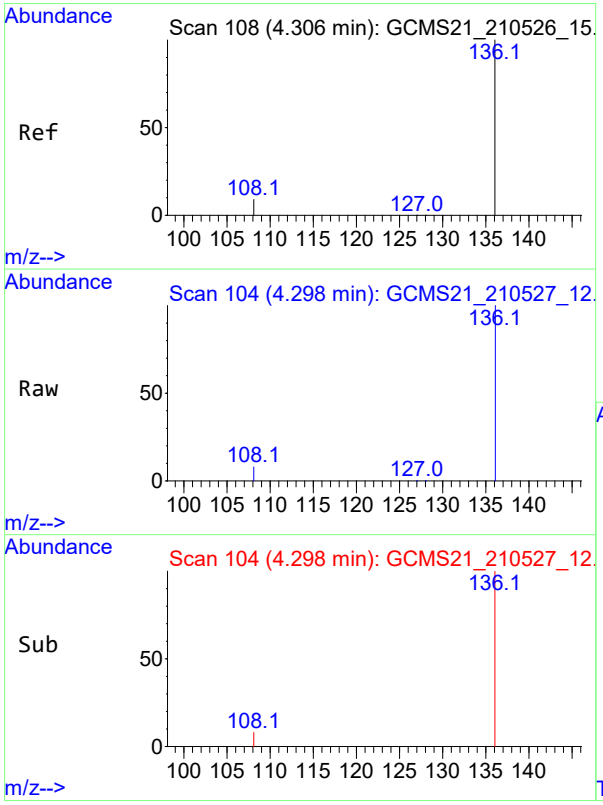
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_12.D
Acq On : 27 May 2021 16:40
Operator : MN GCMS21
Sample : 2105001-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 28 11:31:14 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

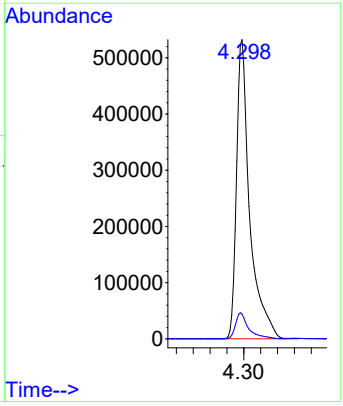


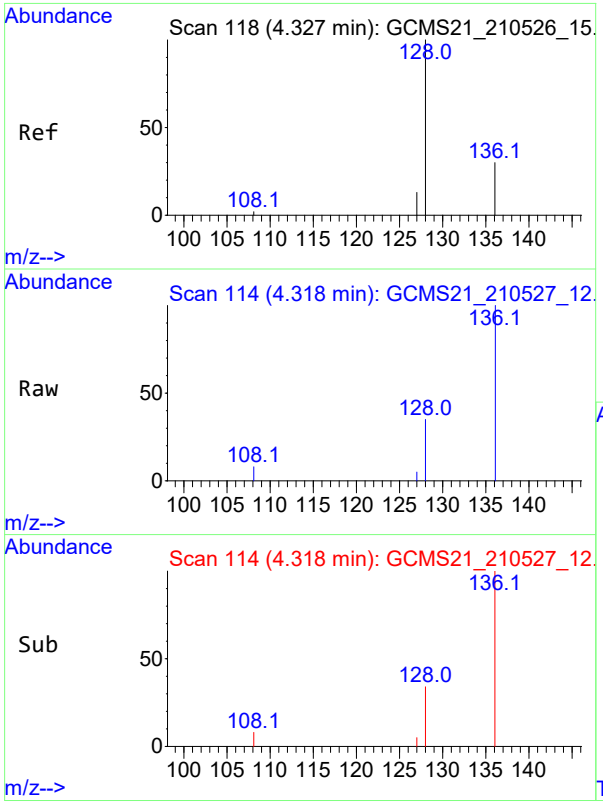


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:136 Resp: 577426

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

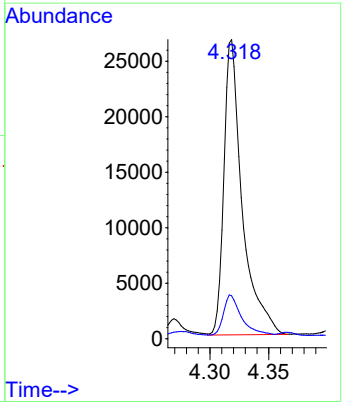


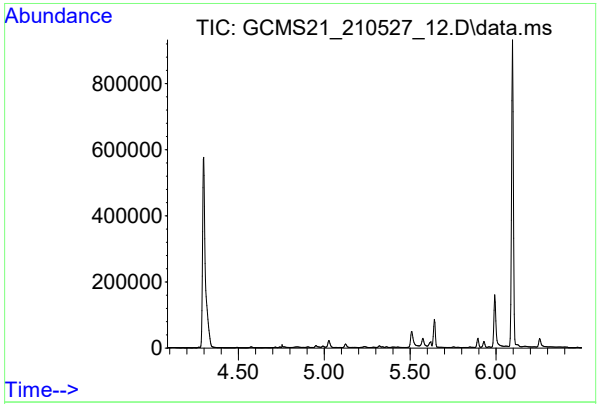


#2
Naphthalene
Concen: 26.02 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:128 Resp: 28826

Ion	Ratio	Lower	Upper
128	100		
127	13.8	0.0	43.3



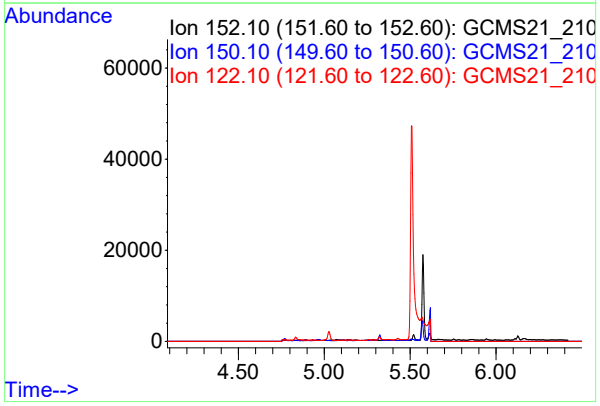


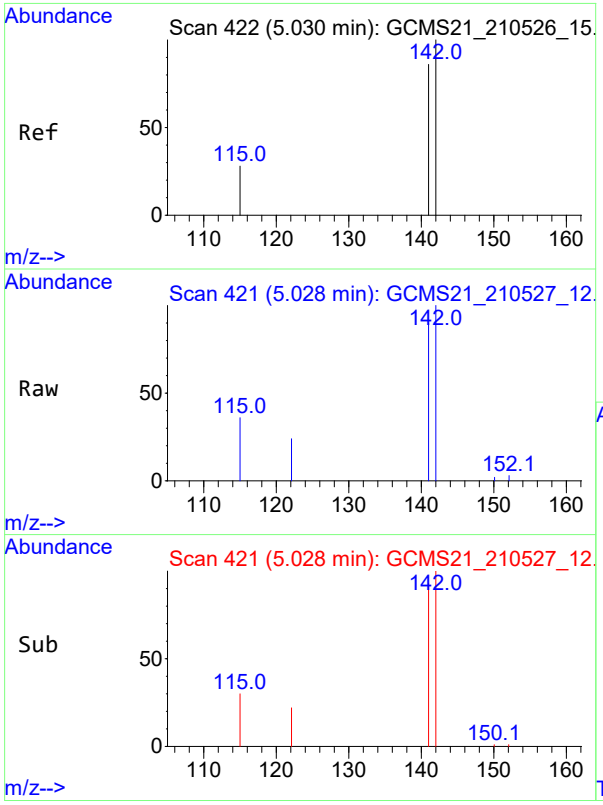
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5

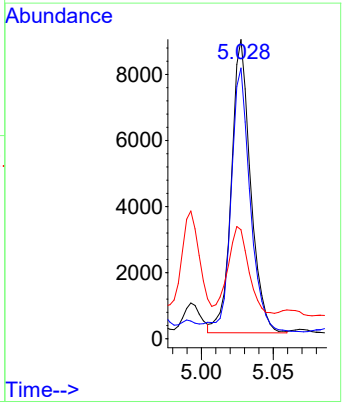


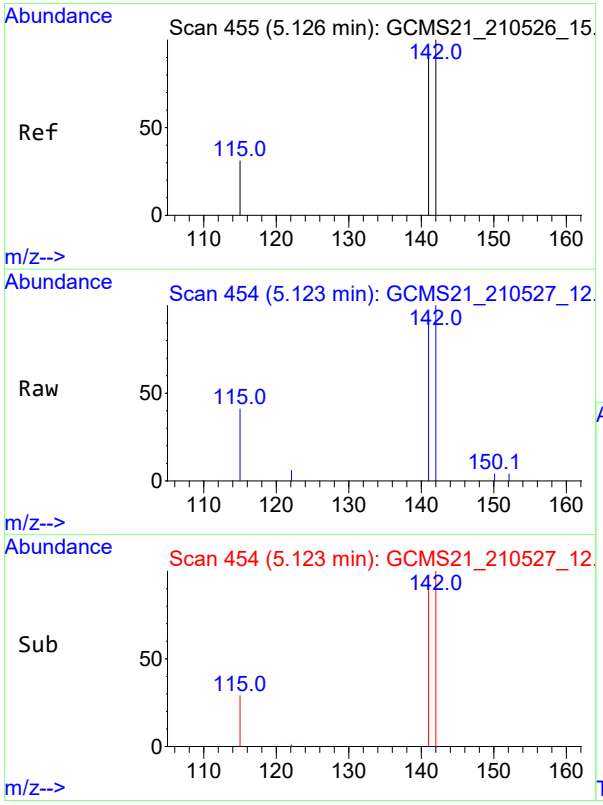


#4
2-Methylnaphthalene
Concen: 10.13 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:142 Resp: 8262

Ion	Ratio	Lower	Upper
142	100		
141	89.9	56.3	116.3
115	34.0	0.0	57.4

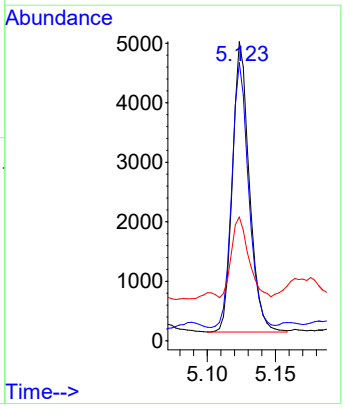


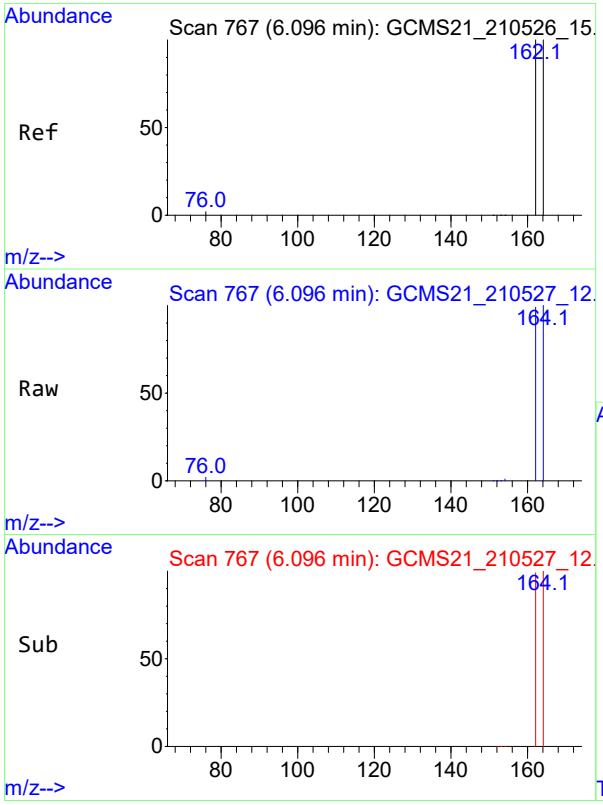


#5
1-Methylnaphthalene
Concen: 6.16 ng/mL
RT: 5.123 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:142 Resp: 4184

Ion	Ratio	Lower	Upper
142	100		
141	91.1	61.5	121.5
115	28.1	0.2	60.2

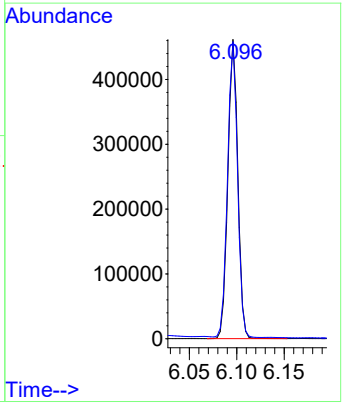


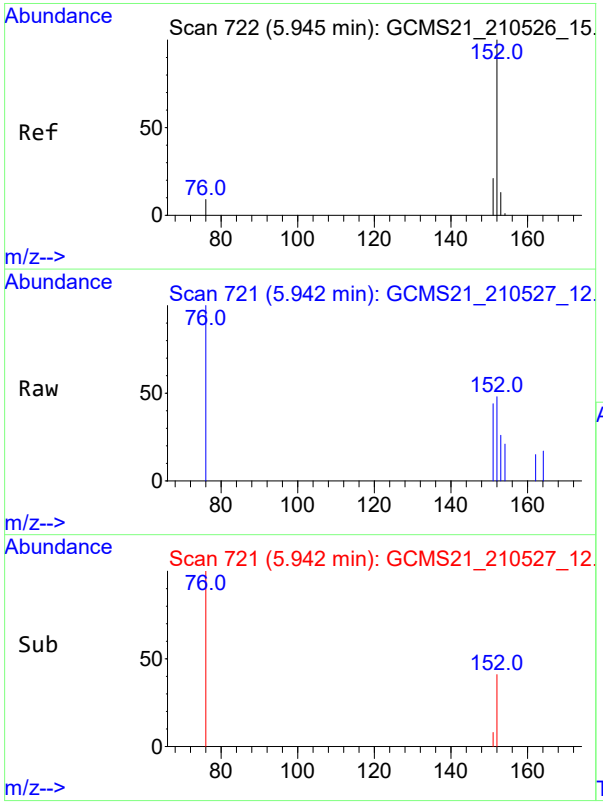


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. -0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:164 Resp: 336026

Ion	Ratio	Lower	Upper
164	100		
162	100.6	77.7	117.7

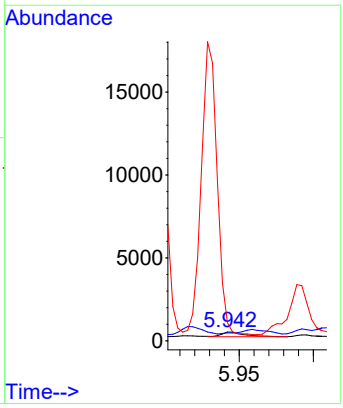


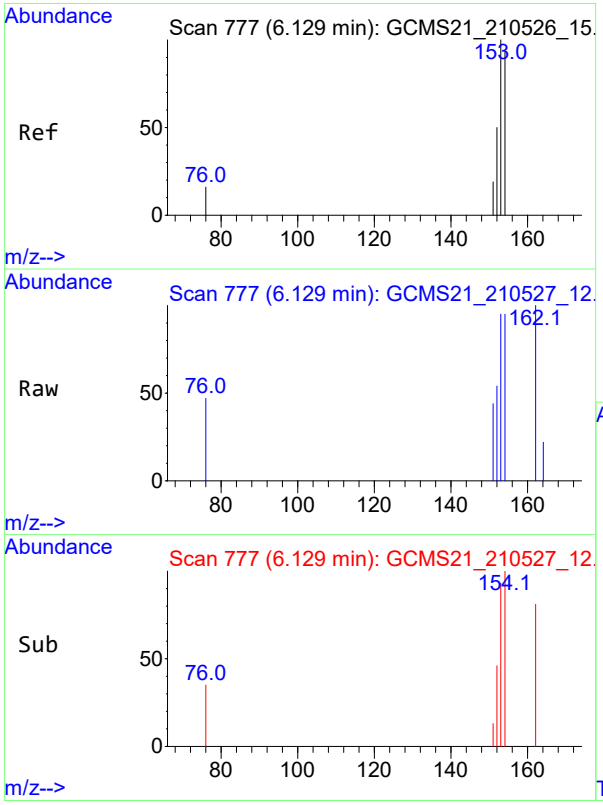


#7
Acenaphthylene
Concen: 0.26 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:152 Resp: 292

Ion	Ratio	Lower	Upper
152	100		
151	162.7	0.0	52.0#
76	4474.7	0.0	39.5#

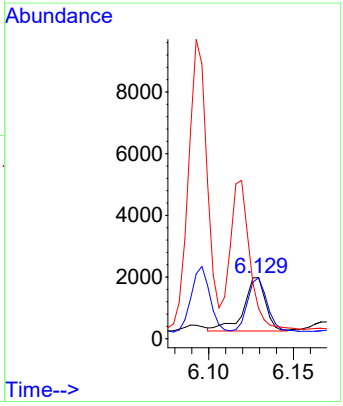


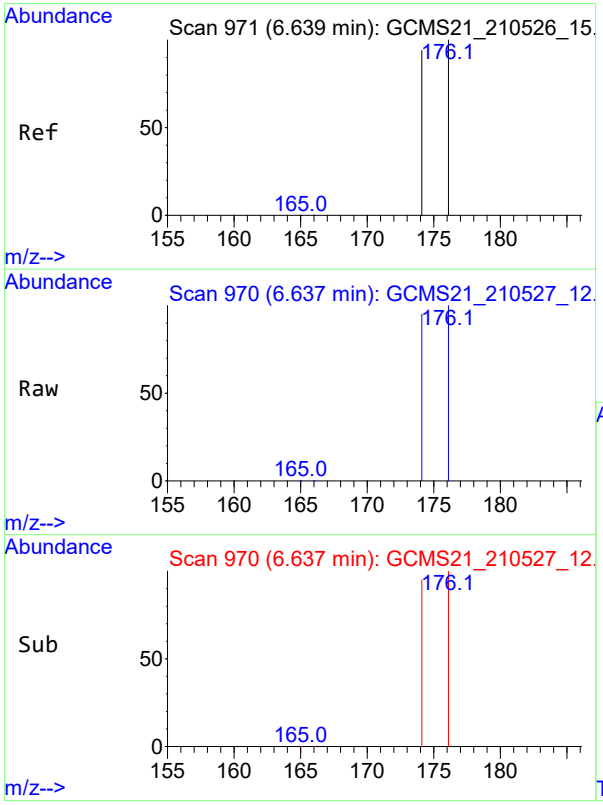


#8
Acenaphthene
Concen: 1.83 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. -0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:153 Resp: 1560

Ion	Ratio	Lower	Upper
153	100		
154	89.4	60.4	120.4
76	248.2	0.0	47.4#

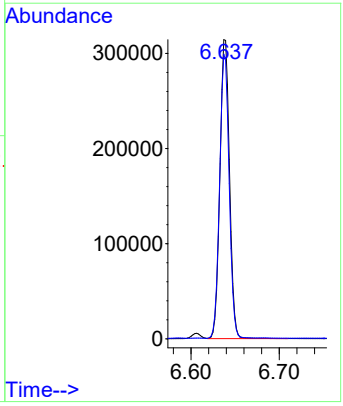


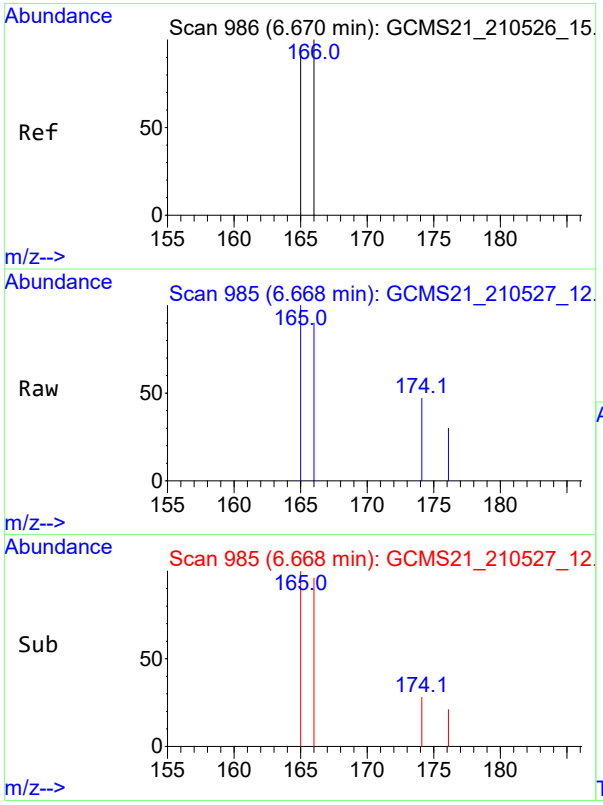


#9
Fluorene-D10
Concen: 294.81 ng/mL
RT: 6.637 min Scan# 970
Delta R.T. -0.002 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:176 Resp: 237175

Ion	Ratio	Lower	Upper
176	100		
174	94.5	63.9	123.9

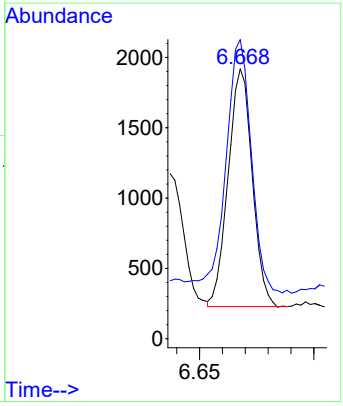


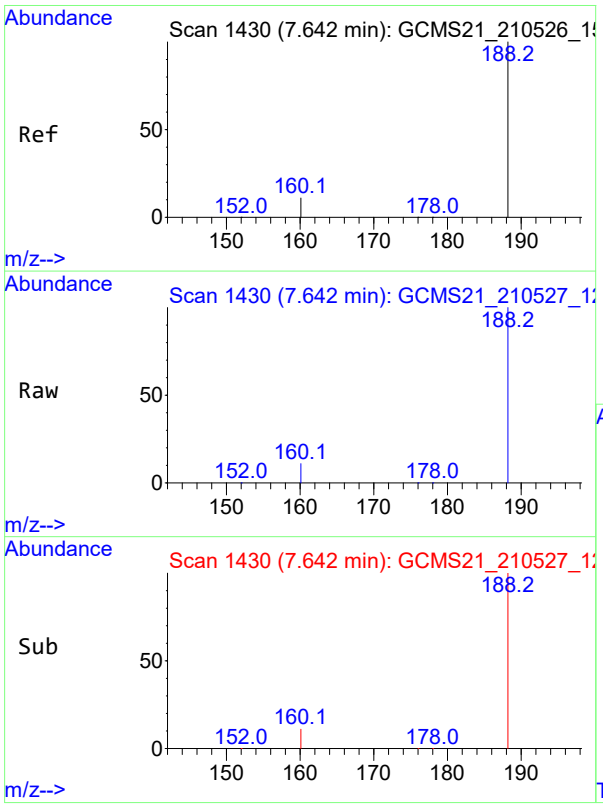


#10
Fluorene
Concen: 1.31 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:166 Resp: 1235

Ion	Ratio	Lower	Upper
166	100		
165	113.4	65.1	125.1

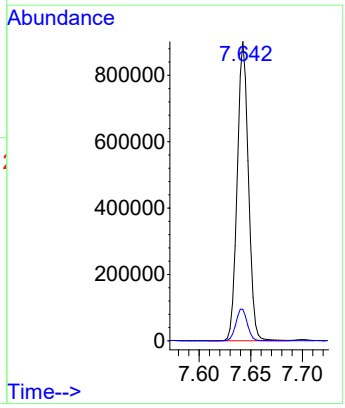


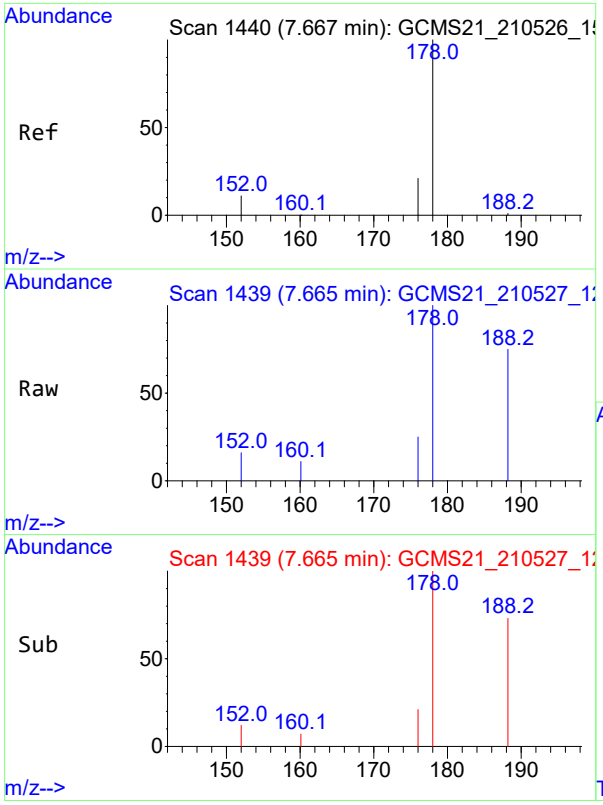


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. -0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:188 Resp: 677352

Ion	Ratio	Lower	Upper
188	100		
160	10.9	0.0	39.8

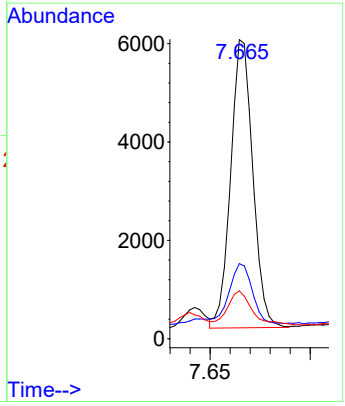


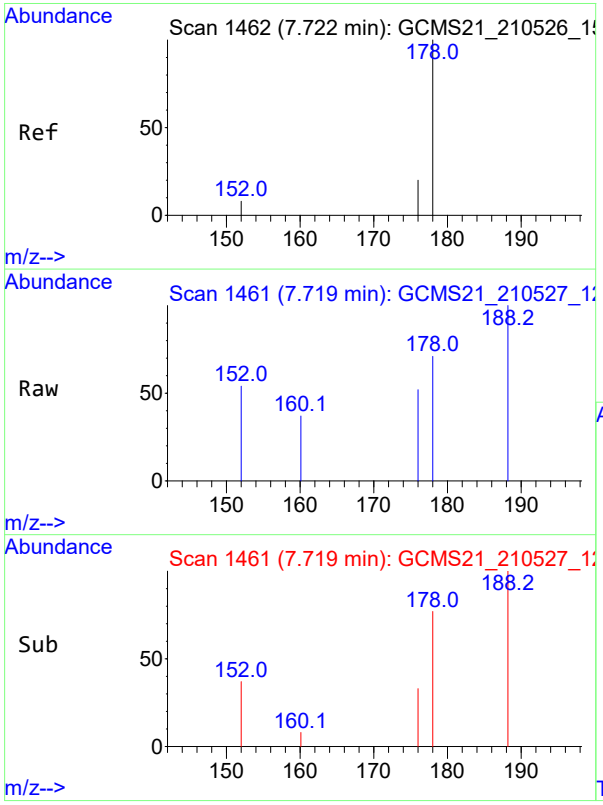


#12
Phenanthrene
Concen: 2.75 ng/mL
RT: 7.665 min Scan# 1439
Delta R.T. -0.002 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:178 Resp: 4500

Ion	Ratio	Lower	Upper
178	100		
176	21.2	0.0	50.9
152	13.3	0.0	40.5

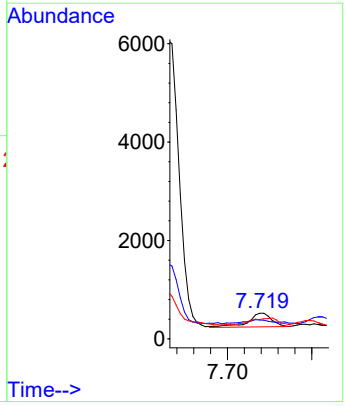


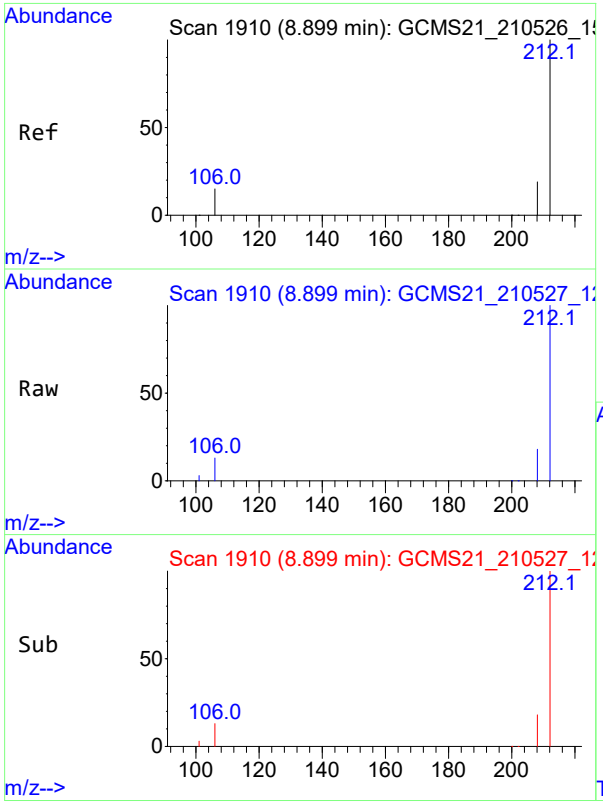


#13
Anthracene
Concen: 0.20 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:178 Resp: 269

Ion	Ratio	Lower	Upper
178	100		
176	38.3	0.0	50.2
152	75.5	0.0	38.2#

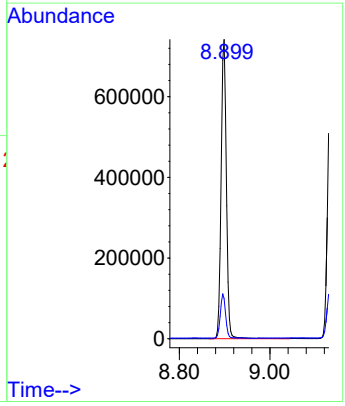


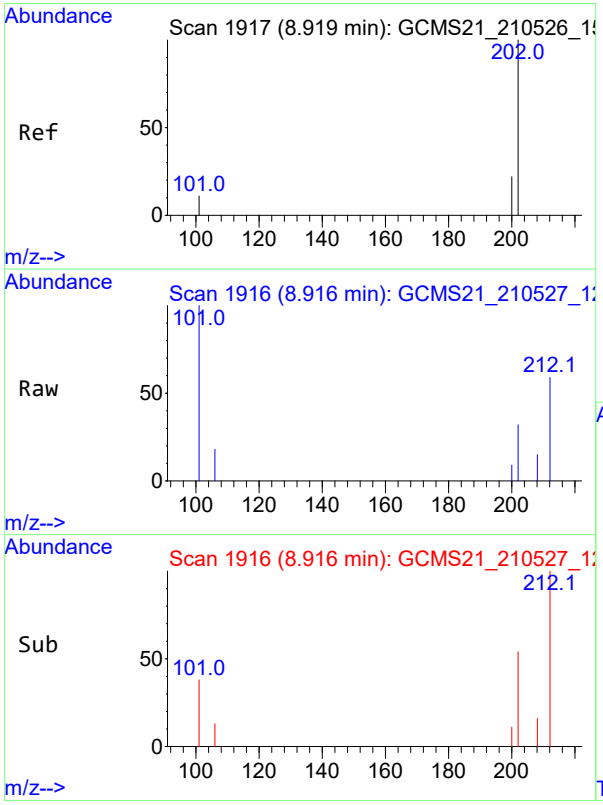


#14
Fluoranthene-D10
Concen: 405.57 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:212 Resp: 594838

Ion	Ratio	Lower	Upper
212	100		
106	14.9	0.0	44.9

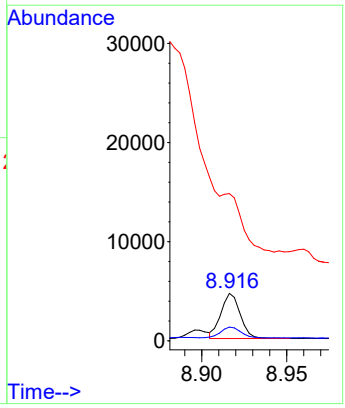


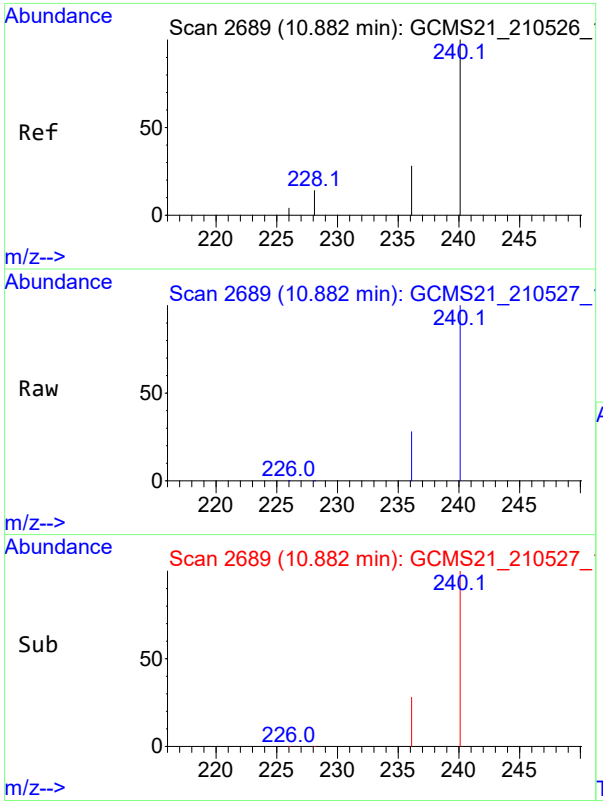


#15
Fluoranthene
Concen: 2.07 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:202 Resp: 3574

Ion	Ratio	Lower	Upper
202	100		
200	25.2	0.0	52.4
101	84.6	0.0	41.1#

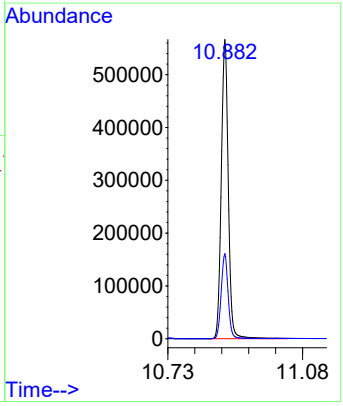


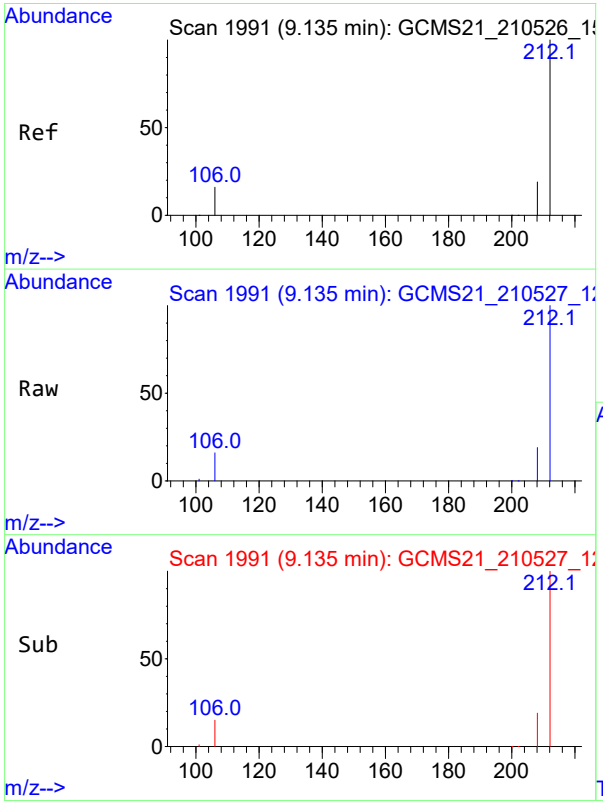


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. -0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:240 Resp: 714597

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.6

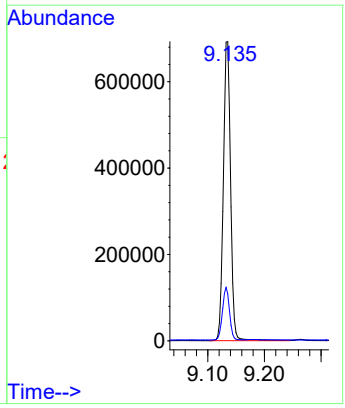


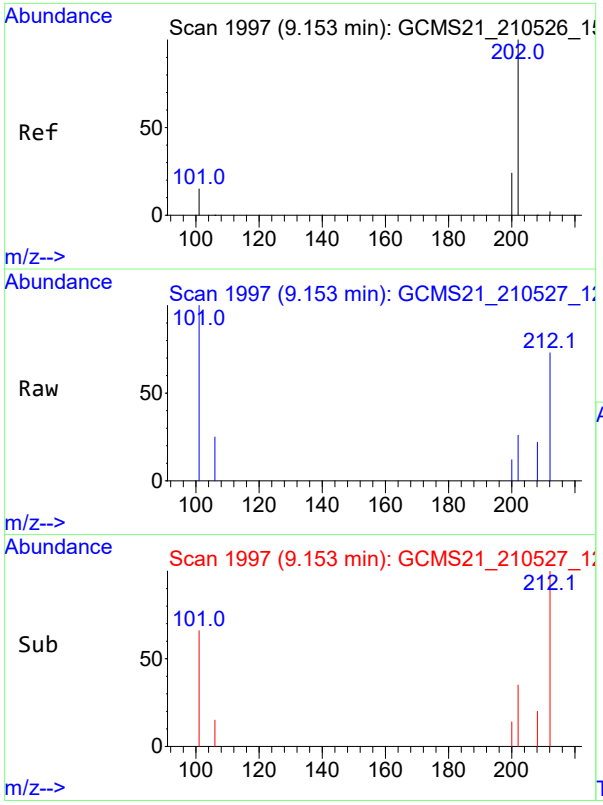


#17
Pyrene-D10
Concen: 375.19 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:212 Resp: 611715

Ion	Ratio	Lower	Upper
212	100		
106	17.2	0.0	46.2

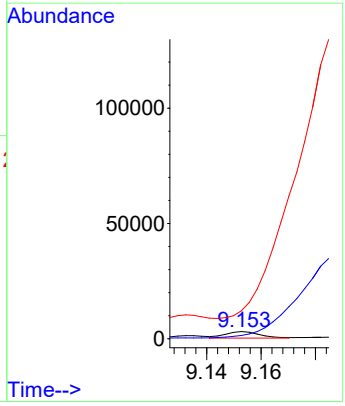


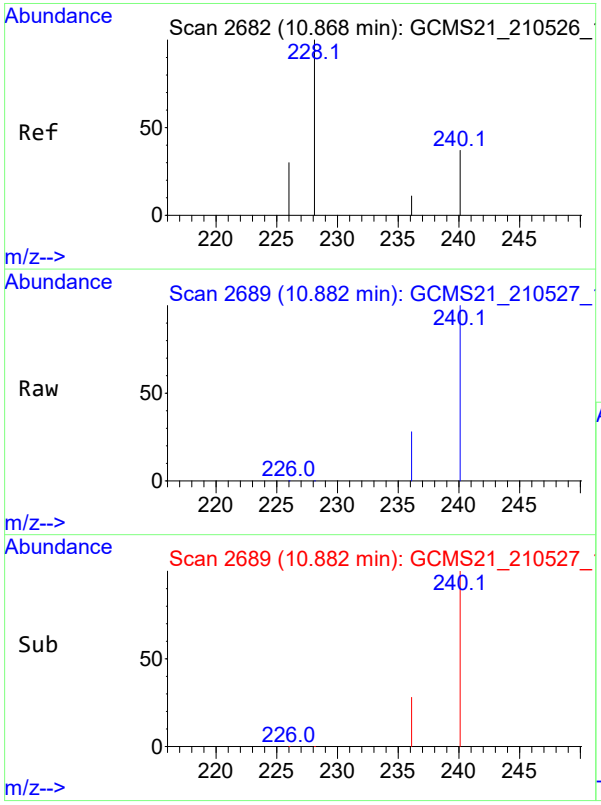


#18
Pyrene
Concen: 1.29 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:202 Resp: 2455

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

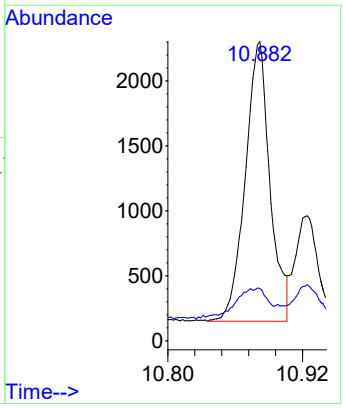


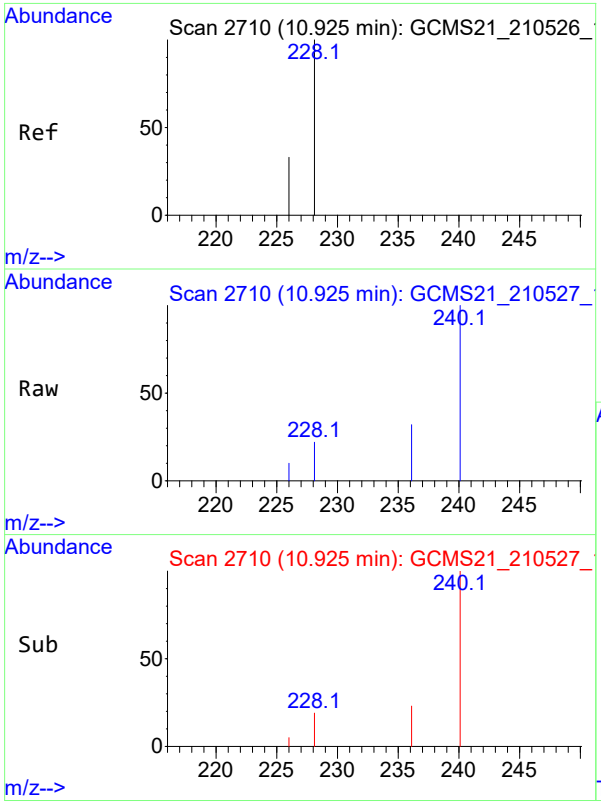


#19
Benzo(a)anthracene
Concen: 2.31 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.014 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:228 Resp: 3321

Ion	Ratio	Lower	Upper
228	100		
226	8.6	0.0	59.8

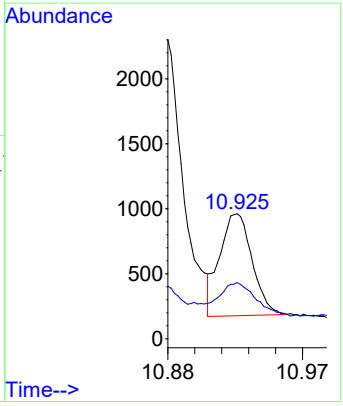


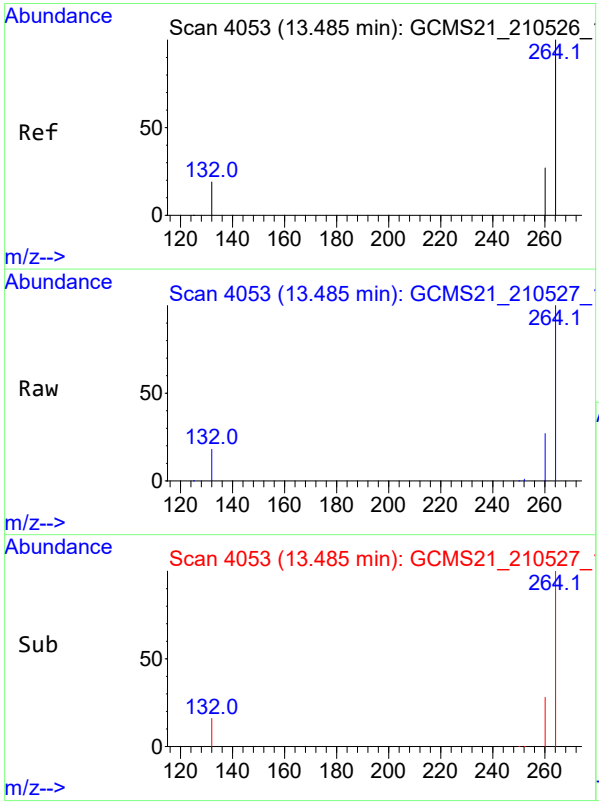


#20
Chrysene
Concen: 0.62 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:228 Resp: 1093

Ion	Ratio	Lower	Upper
228	100		
226	36.4	2.8	62.8

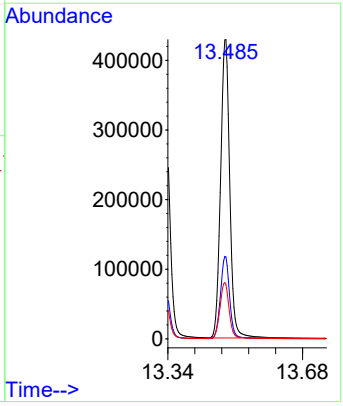


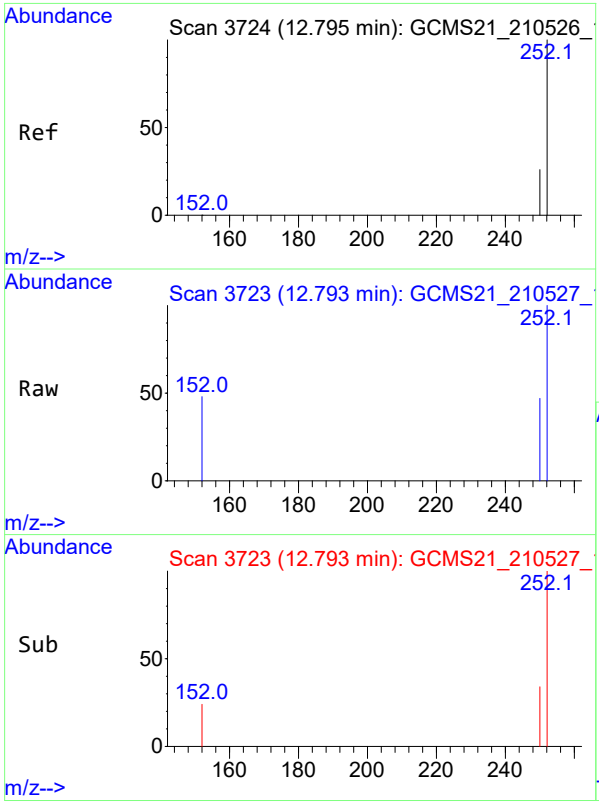


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:264 Resp: 690339

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	18.8	0.0	49.5

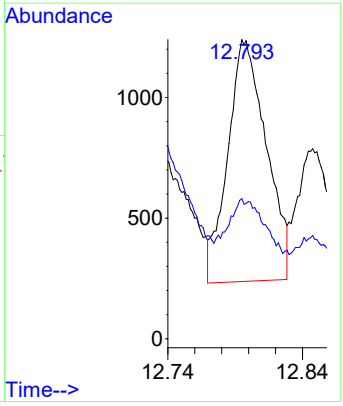


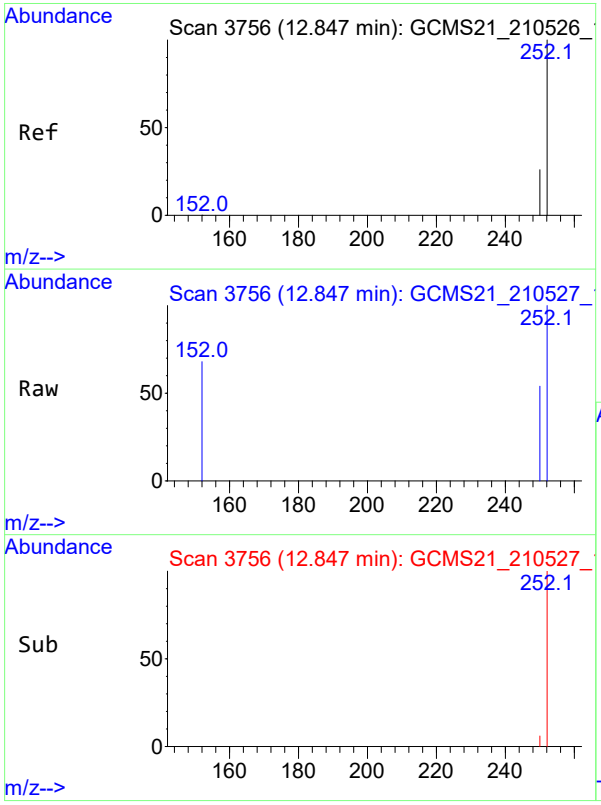


#22
Benzo(b)fluoranthene
Concen: 1.42 ng/mL
RT: 12.793 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:252 Resp: 2032

Ion	Ratio	Lower	Upper
252	100		
250	7.2	0.0	56.2

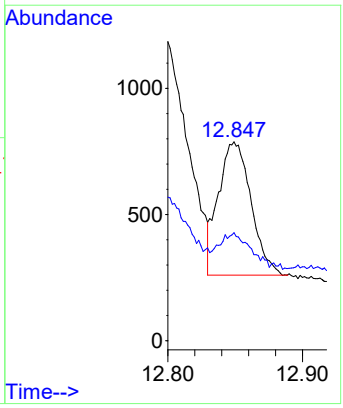


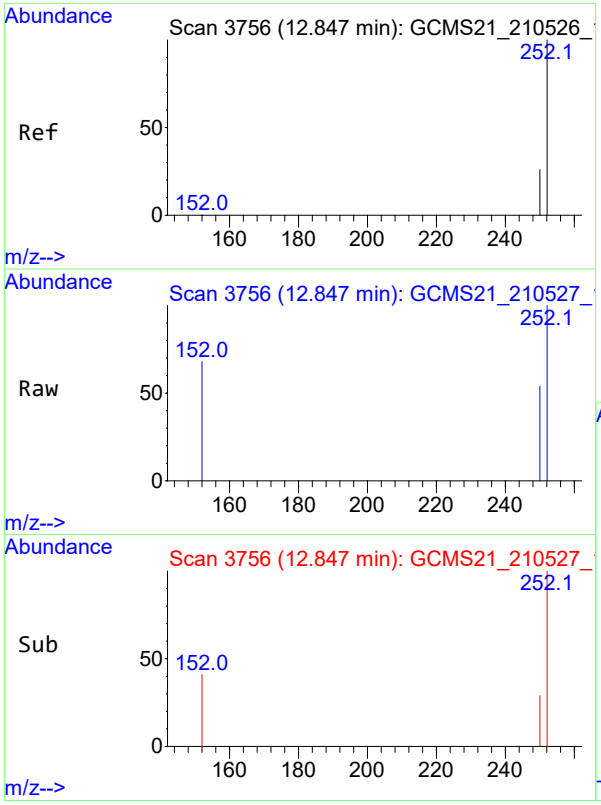


#23
Benzo(k)fluoranthene
Concen: 0.56 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. -0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:252 Resp: 884

Ion	Ratio	Lower	Upper
252	100		
250	24.3	0.0	55.6

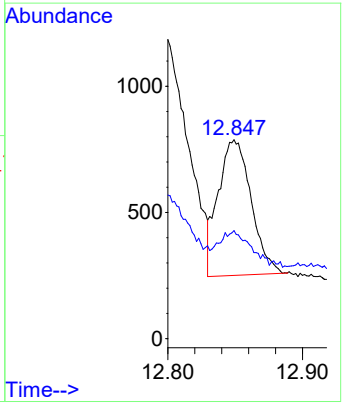


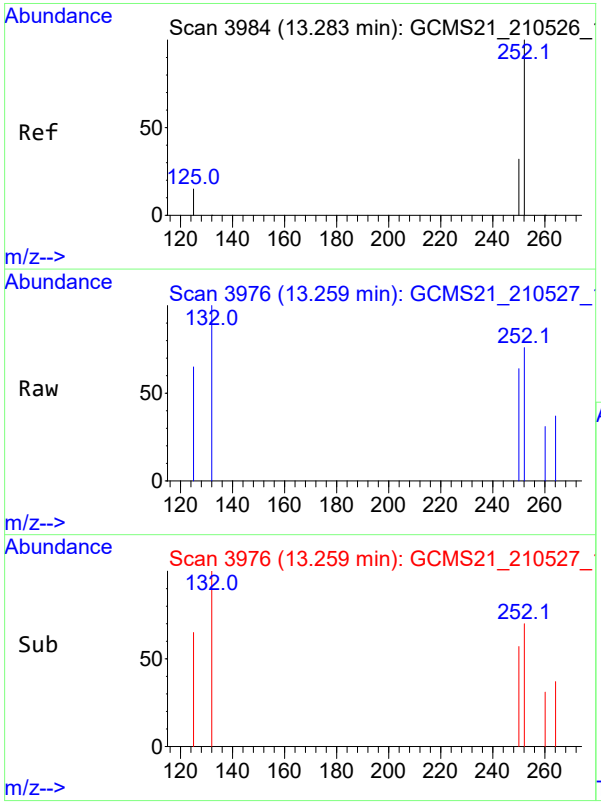


#24
benzo(b+k)fluoranthene (sum)
Concen: 0.58 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. -0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:252 Resp: 908

Ion	Ratio	Lower	Upper
252	100		
250	23.7	0.0	55.6

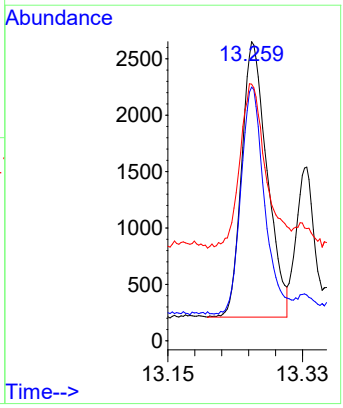


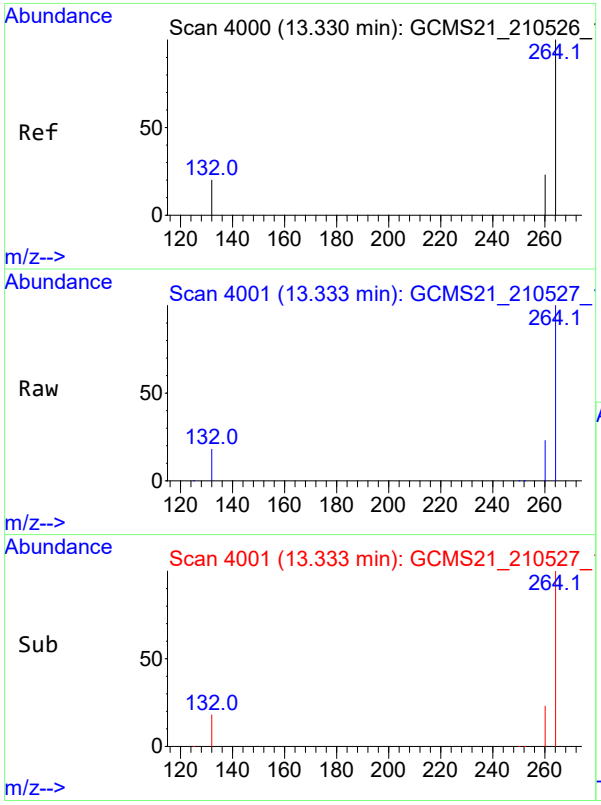


#25
Benzo(e)pyrene
Concen: 3.95 ng/mL
RT: 13.259 min Scan# 3976
Delta R.T. -0.024 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:252 Resp: 5708

Ion	Ratio	Lower	Upper
252	100		
250	77.0	2.2	62.2#
125	60.0	0.0	45.4#

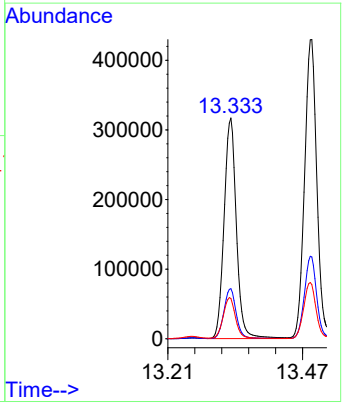


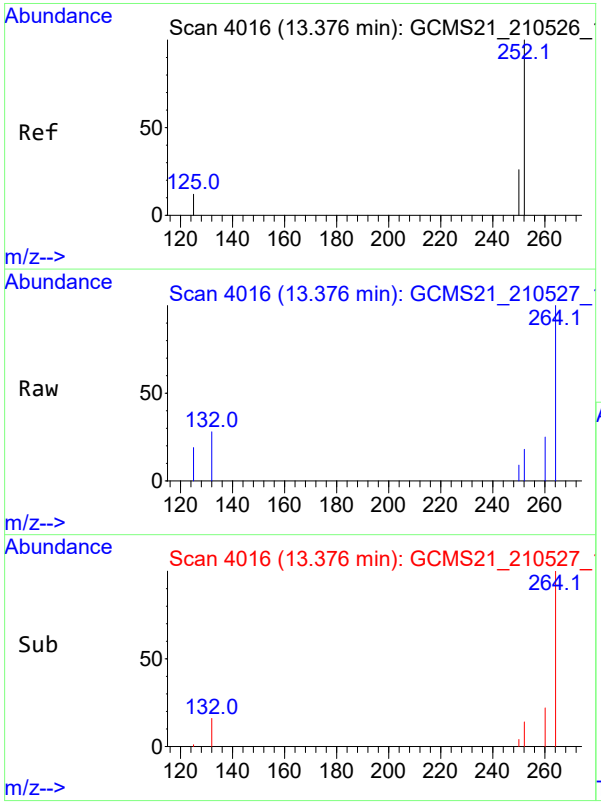


#26
Benzo(a)pyrene-D12
Concen: 453.04 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:264 Resp: 508127

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.5	0.0	49.7

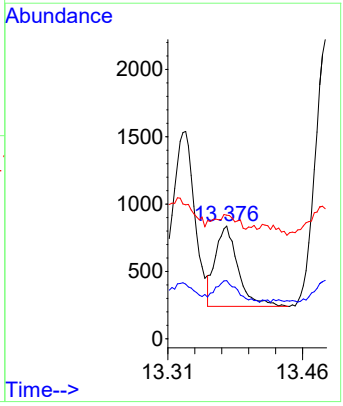


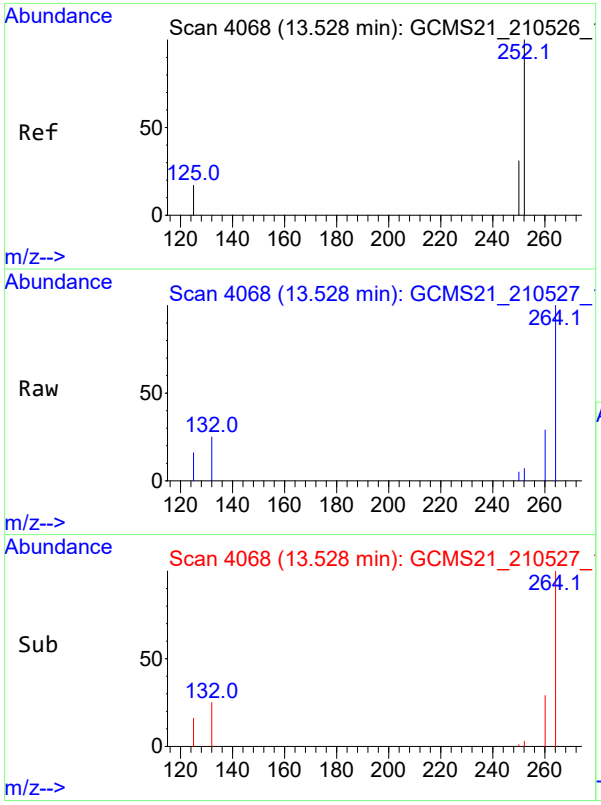


#27
Benzo(a)pyrene
Concen: 0.76 ng/mL
RT: 13.376 min Scan# 4016
Delta R.T. 0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:252 Resp: 999

Ion	Ratio	Lower	Upper
252	100		
250	29.5	0.0	56.4
125	17.5	0.0	41.7

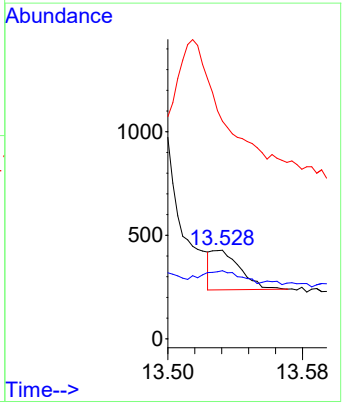


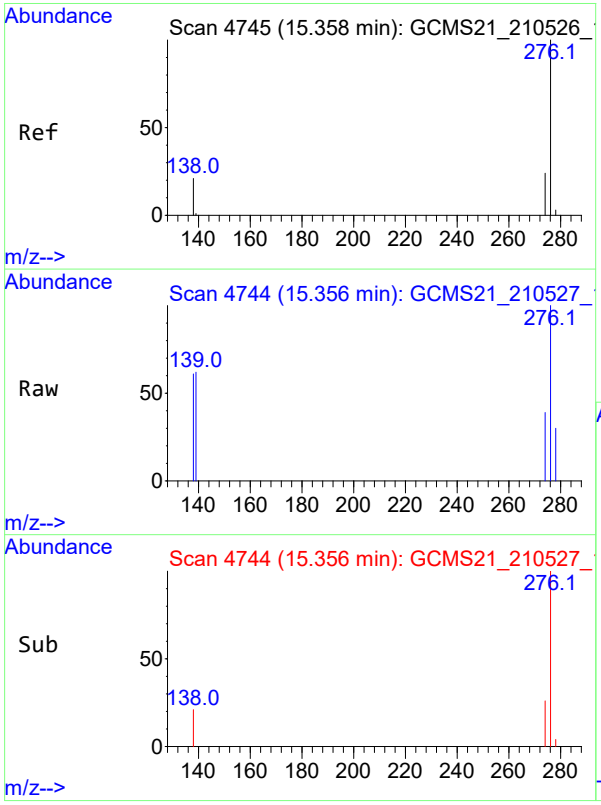


#28
Perylene
Concen: 0.15 ng/mL
RT: 13.528 min Scan# 4068
Delta R.T. 0.000 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:252 Resp: 223

Ion	Ratio	Lower	Upper
252	100		
250	0.0	1.5	61.5#
125	719.3	0.0	46.6#

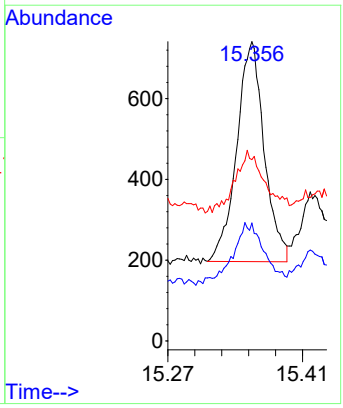


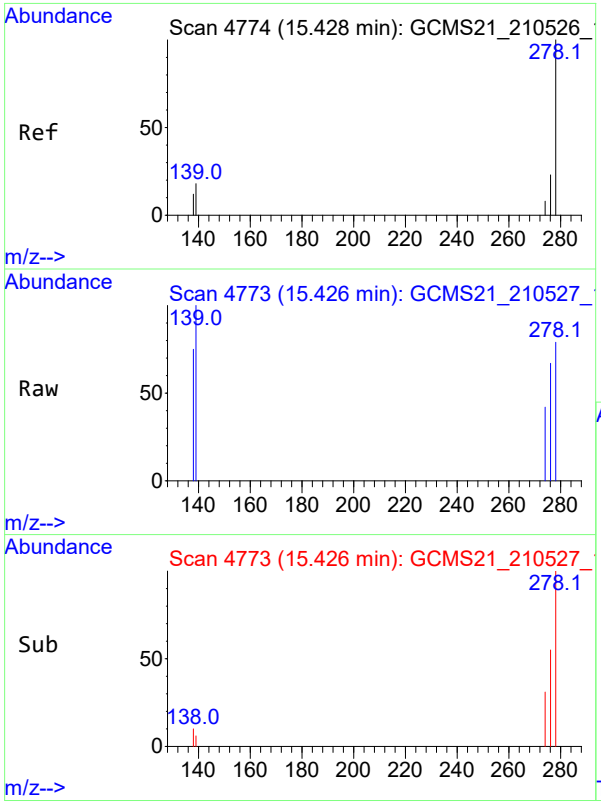


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.96 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. -0.002 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:276 Resp: 1075

Ion	Ratio	Lower	Upper
276	100		
274	24.9	0.0	53.8
138	31.2	0.0	50.7

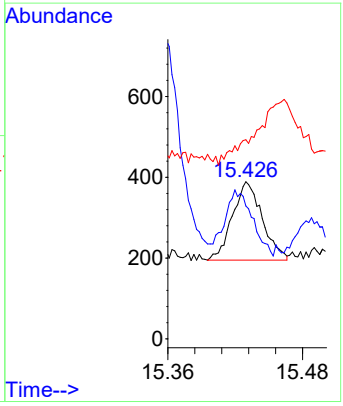


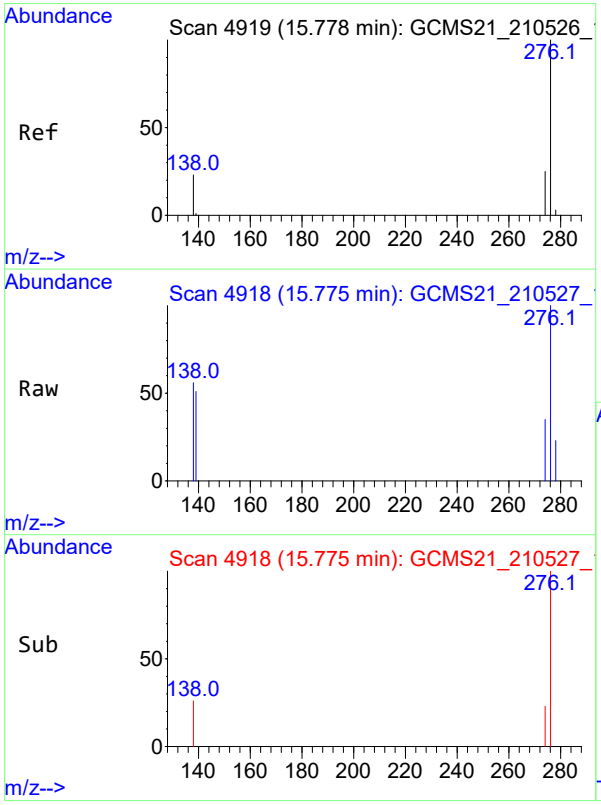


#30
Dibenz(a,h)anthracene
Concen: 0.32 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. -0.002 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:278 Resp: 354

Ion	Ratio	Lower	Upper
278	100		
276	87.0	0.0	52.8#
139	0.0	0.0	47.6

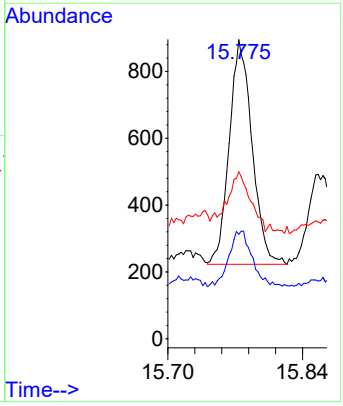




#31
Benzo(g,h,i)perylene
Concen: 0.73 ng/mL
RT: 15.775 min Scan# 4918
Delta R.T. -0.003 min
Lab File: GCMS21_210527_12.D
Acq: 27 May 2021 16:40

Tgt Ion:276 Resp: 1065

Ion	Ratio	Lower	Upper
276	100		
274	25.4	0.0	54.8
138	22.4	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_13.D
Acq On : 27 May 2021 17:05
Operator : MN GCMS21
Sample : 2105001-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 28 11:31:41 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

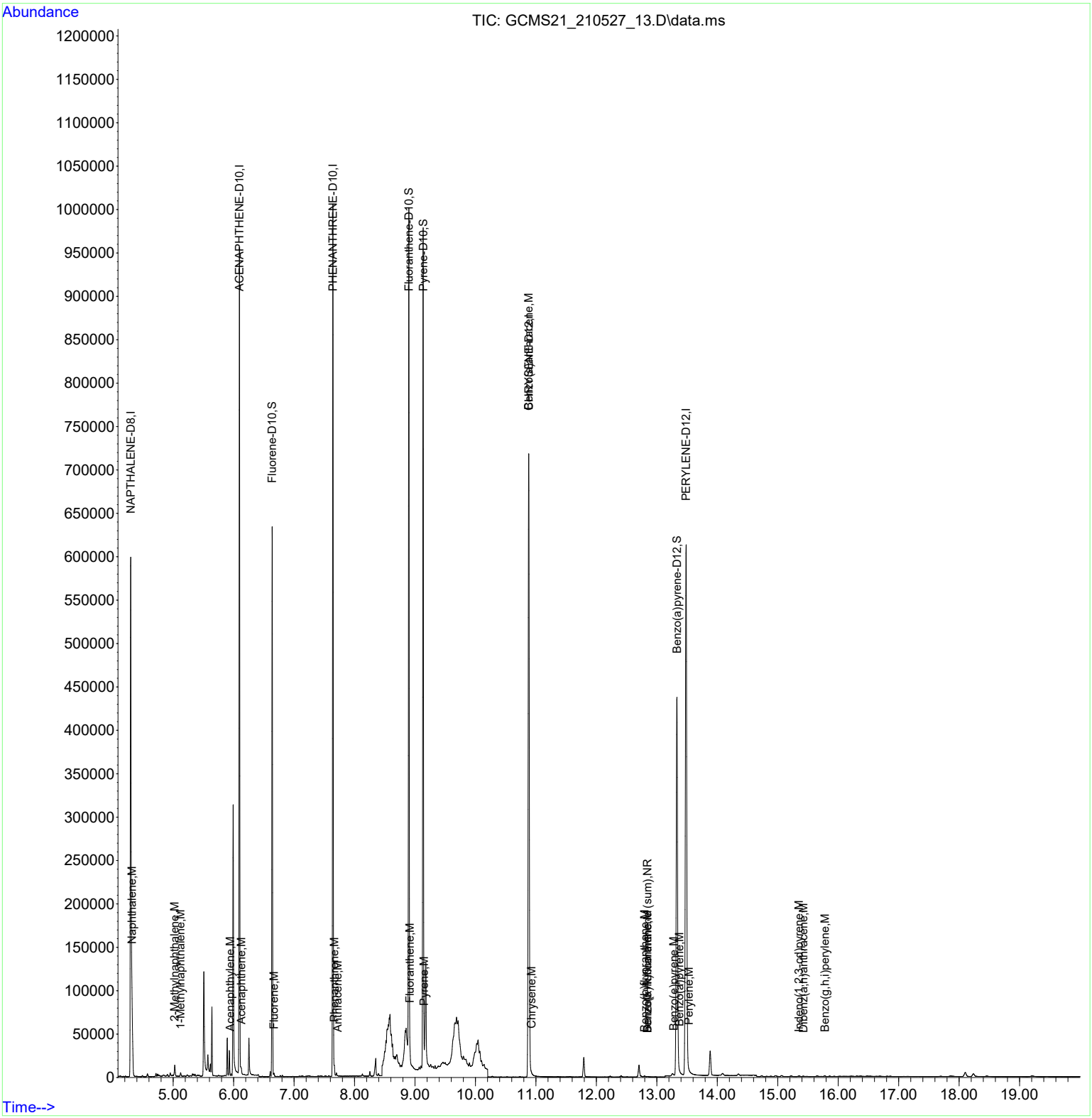
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	597786	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	346263	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	694580	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.883	240	726963	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	664749	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.637	176	244946	295.47	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	600193	399.07	ng/mL	0.00
17) Pyrene-D10	9.135	212	612037	369.00	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	486098	450.08	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.319	128	16782	14.63	ng/mL	98
4) 2-Methylnaphthalene	5.025	142	3976	4.71	ng/mL	93
5) 1-Methylnaphthalene	5.124	142	1712	2.43	ng/mL	99
7) Acenaphthylene	5.942	152	274	0.24	ng/mL#	1
8) Acenaphthene	6.126	153	1531	1.74	ng/mL#	1
10) Fluorene	6.668	166	1144	1.17	ng/mL	87
12) Phenanthrene	7.667	178	5152	3.07	ng/mL	98
13) Anthracene	7.719	178	219	0.16	ng/mL#	7
15) Fluoranthene	8.916	202	3909	2.21	ng/mL#	1
18) Pyrene	9.153	202	2714	1.40	ng/mL#	56
19) Benzo(a)anthracene	10.880	228	3377	2.31	ng/mL	75
20) Chrysene	10.925	228	890	0.49	ng/mL	95
22) Benzo(b)fluoranthene	12.797	252	1260	0.91	ng/mL	97
23) Benzo(k)fluoranthene	12.847	252	671	0.44	ng/mL#	49
24) benzo(b+k)fluoranthene...	12.847	252	671	0.45	ng/mL#	49
25) Benzo(e)pyrene	13.277	252	667	0.48	ng/mL#	49
27) Benzo(a)pyrene	13.374	252	694	0.55	ng/mL#	85
28) Perylene	13.529	252	216	0.15	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.353	276	900	0.84	ng/mL	89
30) Dibenz(a,h)anthracene	15.423	278	279	0.26	ng/mL#	1
31) Benzo(g,h,i)perylene	15.780	276	854	0.61	ng/mL	92

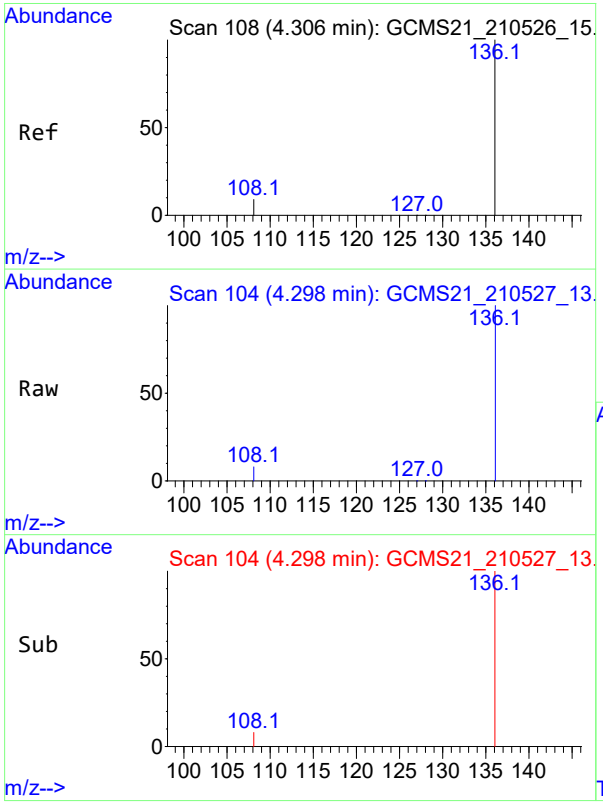
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_13.D
Acq On : 27 May 2021 17:05
Operator : MN GCMS21
Sample : 2105001-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 28 11:31:41 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

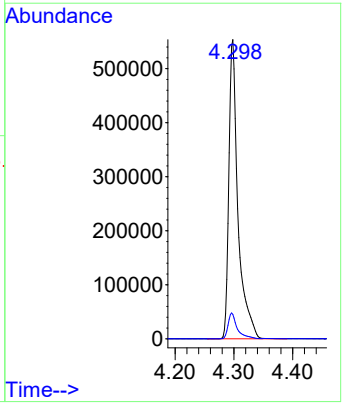


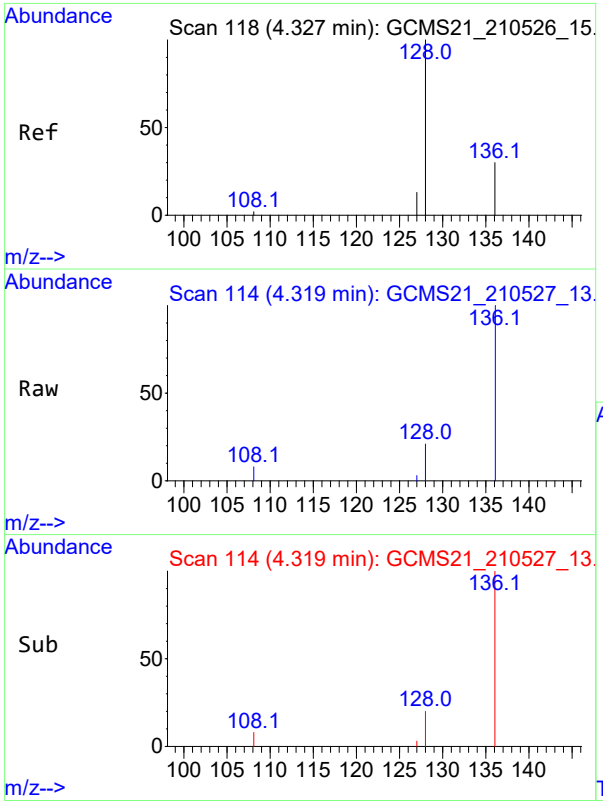


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:136 Resp: 597786

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	28.3

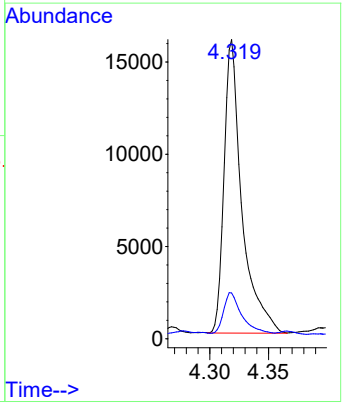


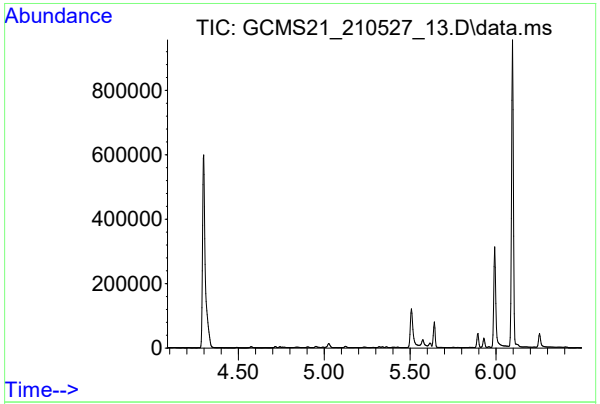


#2
Naphthalene
Concen: 14.63 ng/mL
RT: 4.319 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:128 Resp: 16782

Ion	Ratio	Lower	Upper
128	100		
127	14.2	0.0	43.3



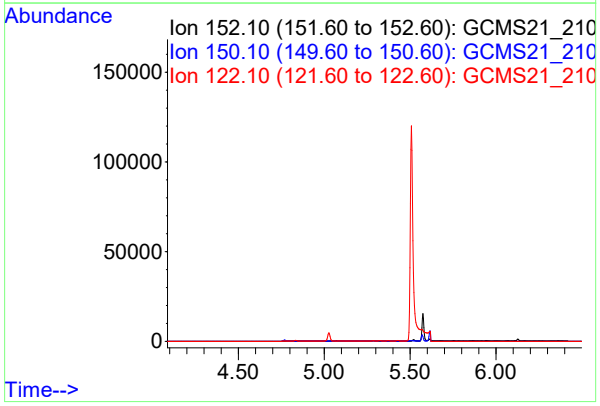


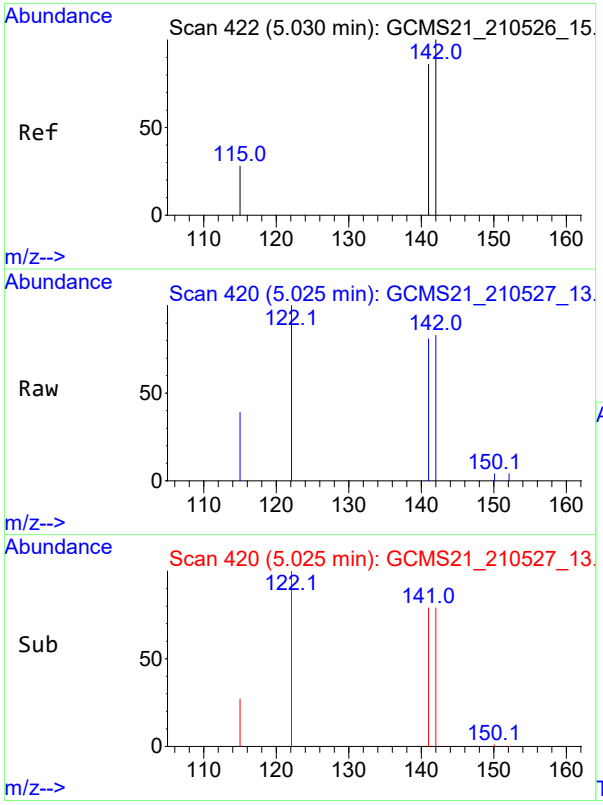
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5

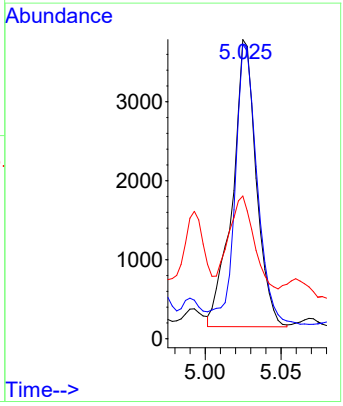


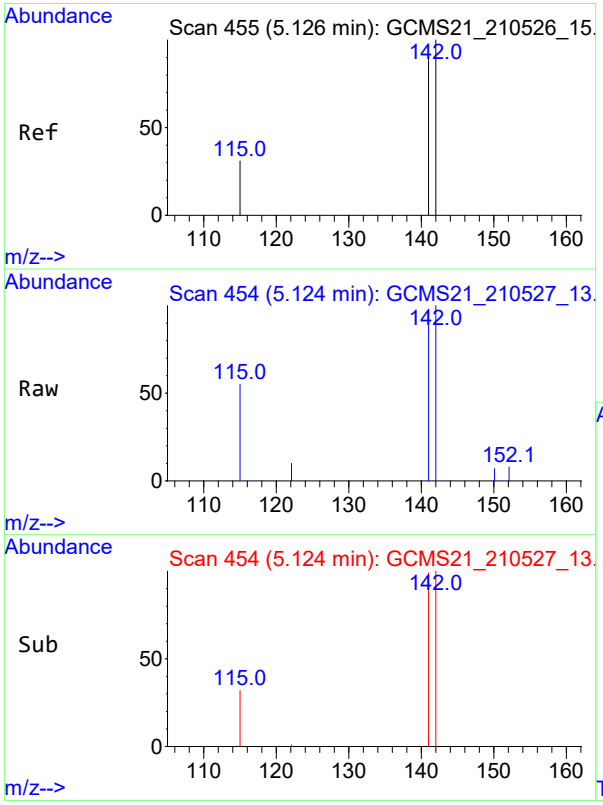


#4
2-Methylnaphthalene
Concen: 4.71 ng/mL
RT: 5.025 min Scan# 420
Delta R.T. -0.006 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:142 Resp: 3976

Ion	Ratio	Lower	Upper
142	100		
141	89.8	56.3	116.3
115	37.3	0.0	57.4

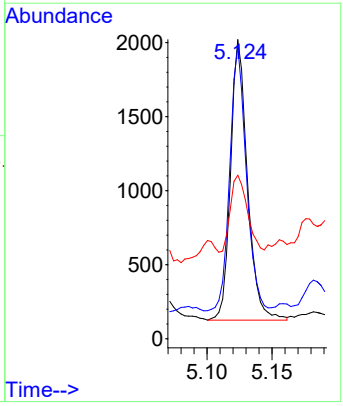


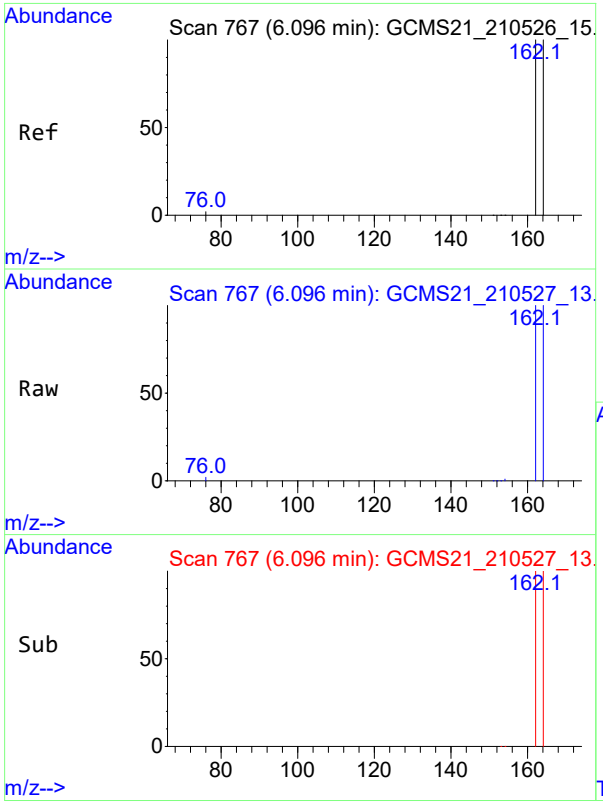


#5
1-Methylnaphthalene
Concen: 2.43 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:142 Resp: 1712

Ion	Ratio	Lower	Upper
142	100		
141	92.0	61.5	121.5
115	29.3	0.2	60.2

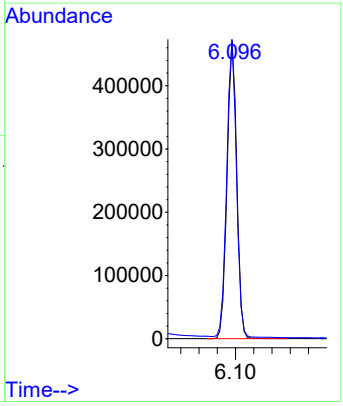


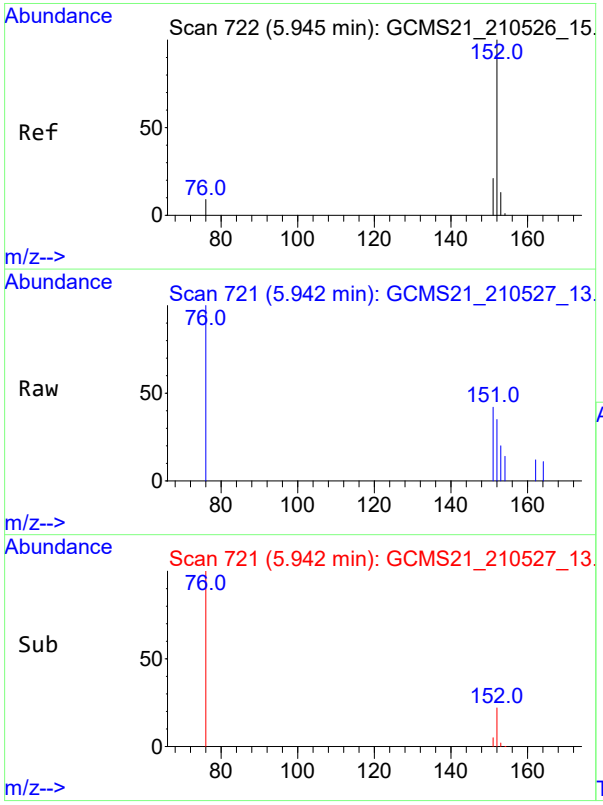


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:164 Resp: 346263

Ion	Ratio	Lower	Upper
164	100		
162	102.2	77.7	117.7

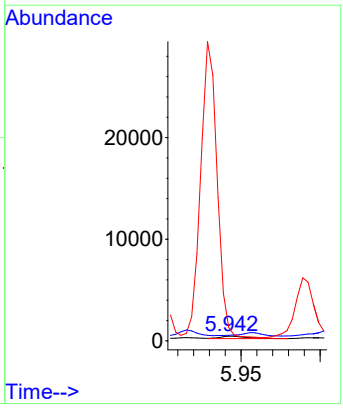


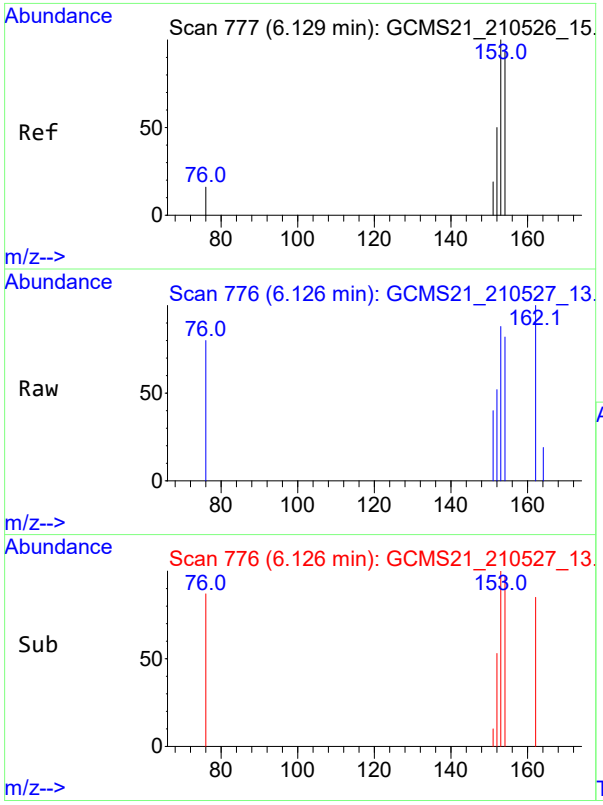


#7
Acenaphthylene
Concen: 0.24 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:152 Resp: 274

Ion	Ratio	Lower	Upper
152	100		
151	119.7	0.0	52.0#
76	7688.7	0.0	39.5#

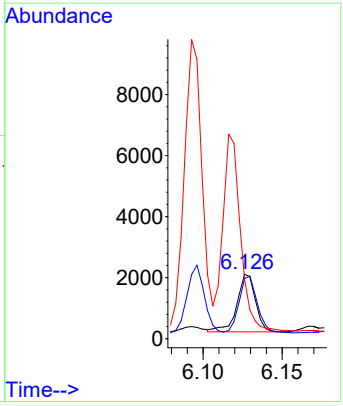


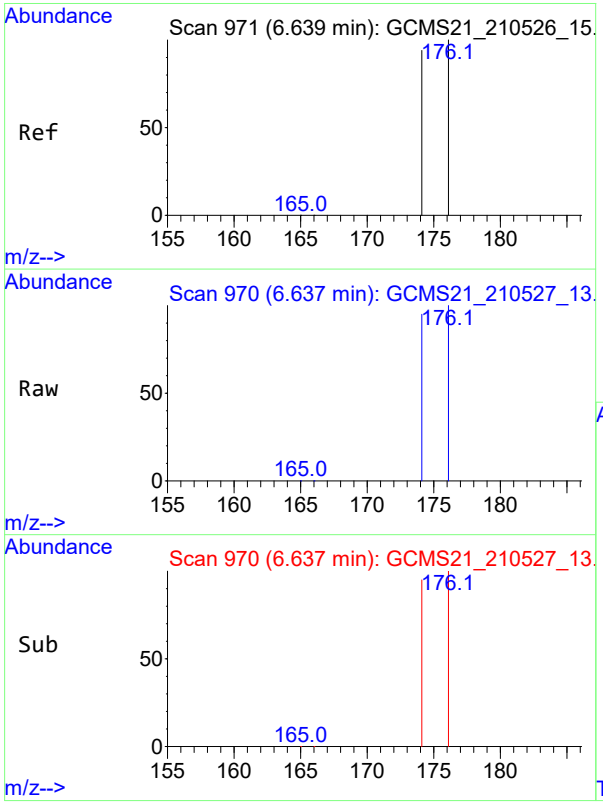


#8
Acenaphthene
Concen: 1.74 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:153 Resp: 1531

Ion	Ratio	Lower	Upper
153	100		
154	96.4	60.4	120.4
76	324.4	0.0	47.4#

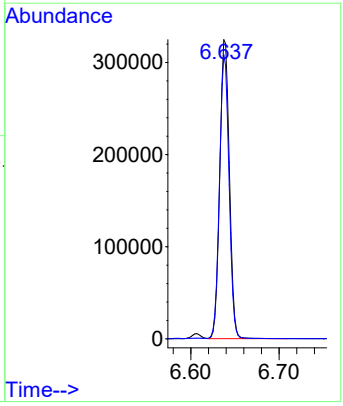


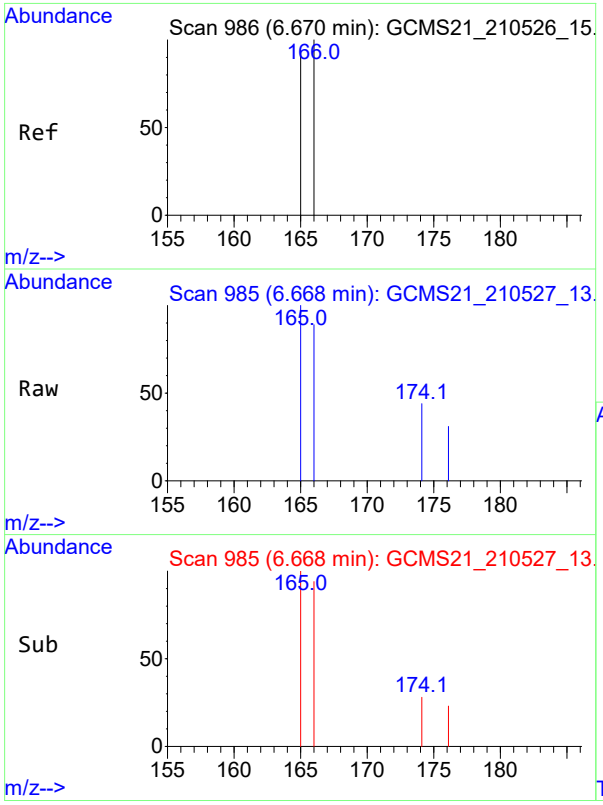


#9
Fluorene-D10
Concen: 295.47 ng/mL
RT: 6.637 min Scan# 970
Delta R.T. -0.002 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:176 Resp: 244946

Ion	Ratio	Lower	Upper
176	100		
174	94.6	63.9	123.9

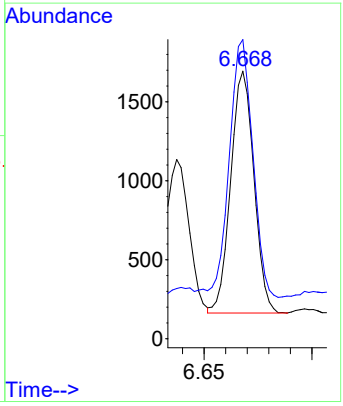


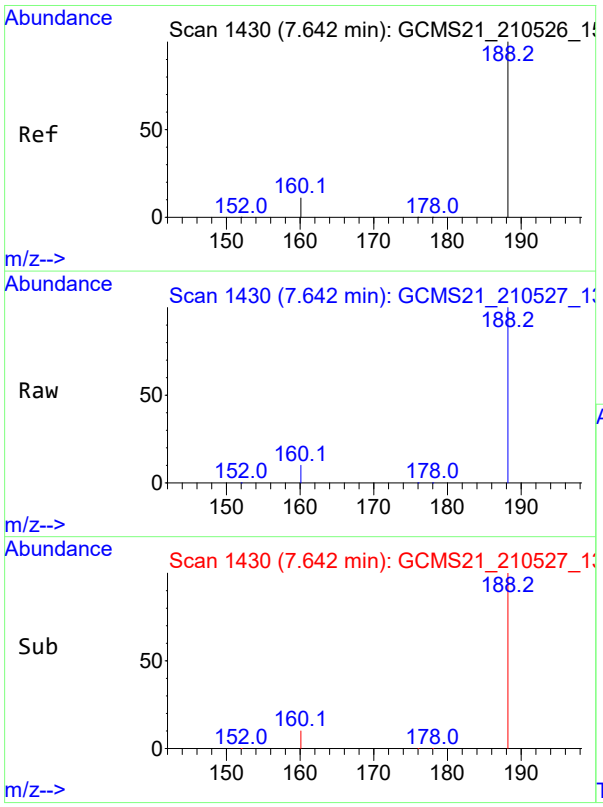


#10
Fluorene
Concen: 1.17 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:166 Resp: 1144

Ion	Ratio	Lower	Upper
166	100		
165	107.4	65.1	125.1

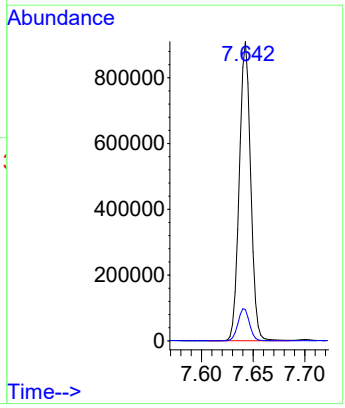


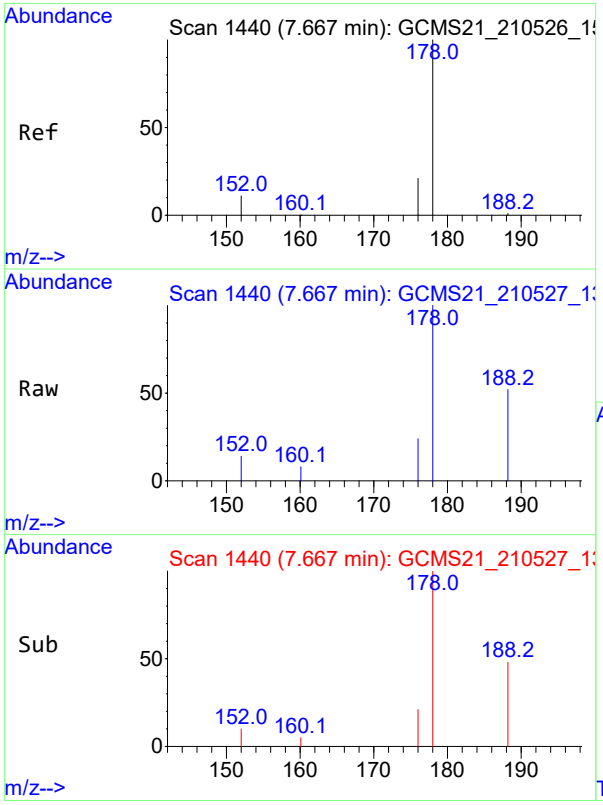


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:188 Resp: 694580

Ion	Ratio	Lower	Upper
188	100		
160	10.9	0.0	39.8

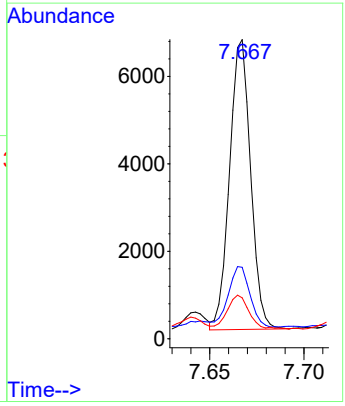


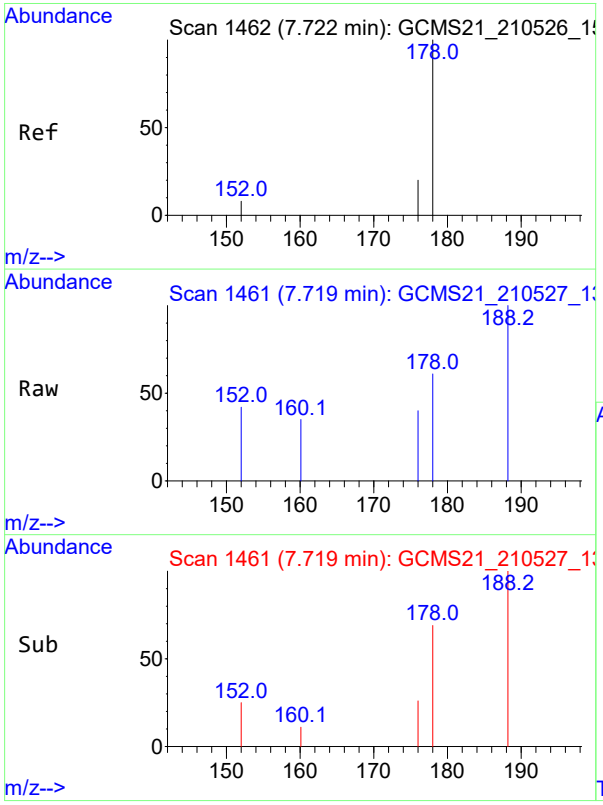


#12
Phenanthrene
Concen: 3.07 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:178 Resp: 5152

Ion	Ratio	Lower	Upper
178	100		
176	21.6	0.0	50.9
152	11.9	0.0	40.5

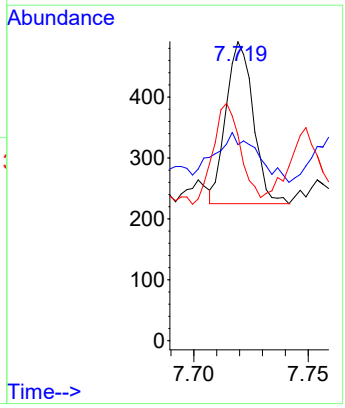


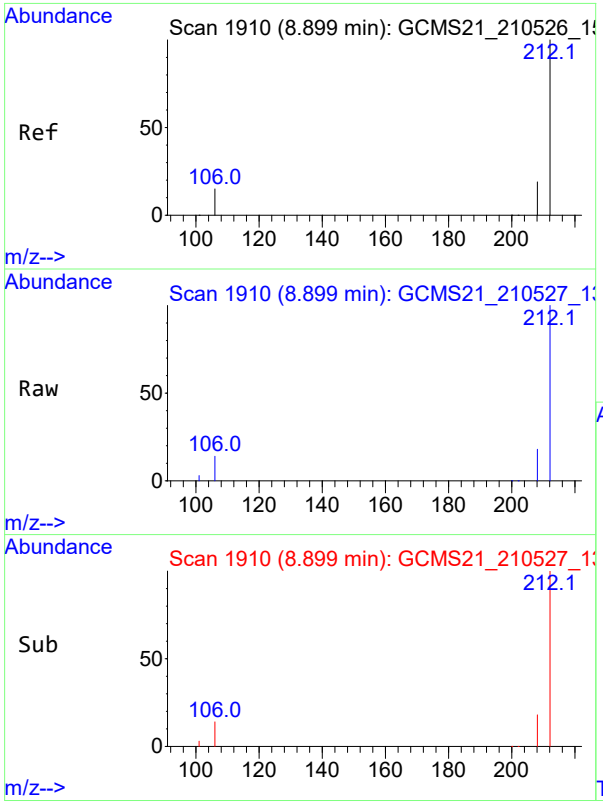


#13
Anthracene
Concen: 0.16 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:178 Resp: 219

Ion	Ratio	Lower	Upper
178	100		
176	51.1	0.0	50.2#
152	63.9	0.0	38.2#

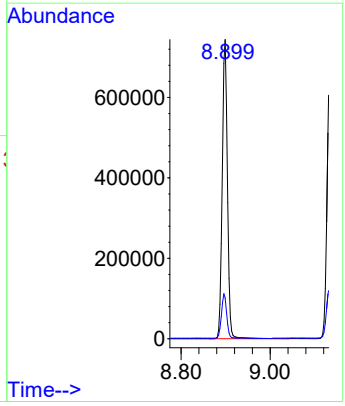


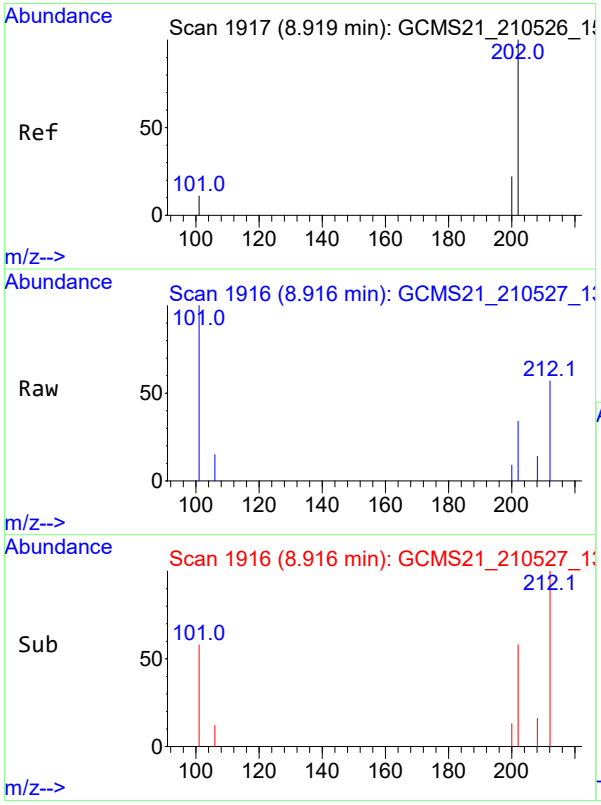


#14
Fluoranthene-D10
Concen: 399.07 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:212 Resp: 600193

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

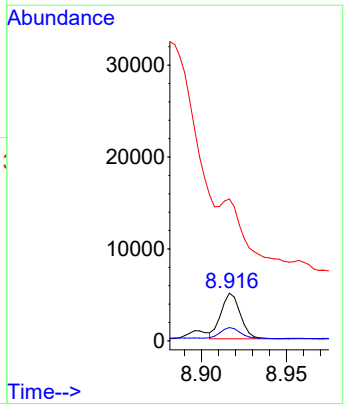


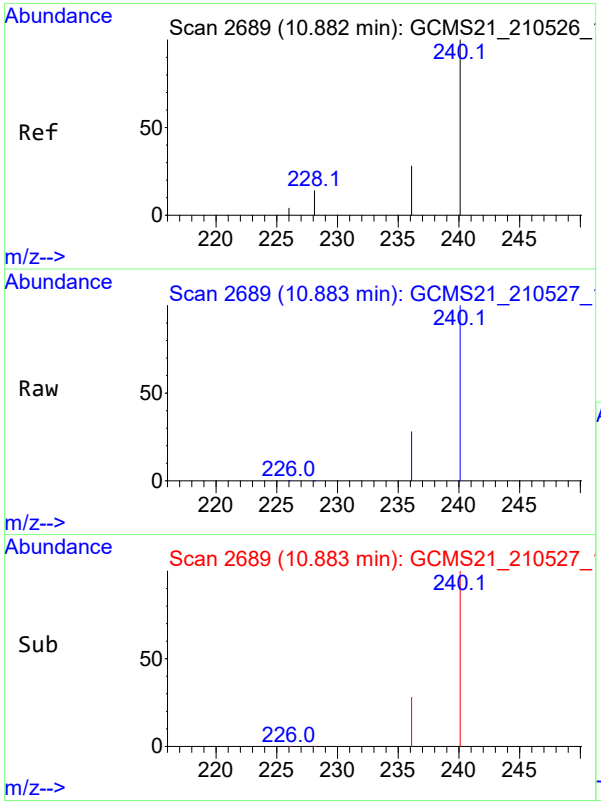


#15
Fluoranthene
Concen: 2.21 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:202 Resp: 3909

Ion	Ratio	Lower	Upper
202	100		
200	24.5	0.0	52.4
101	197.9	0.0	41.1#

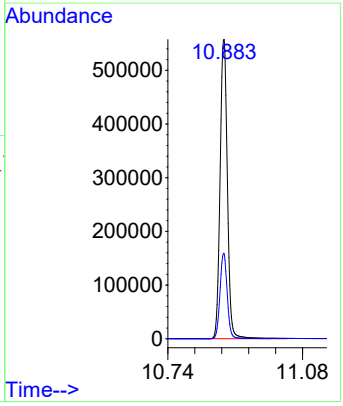


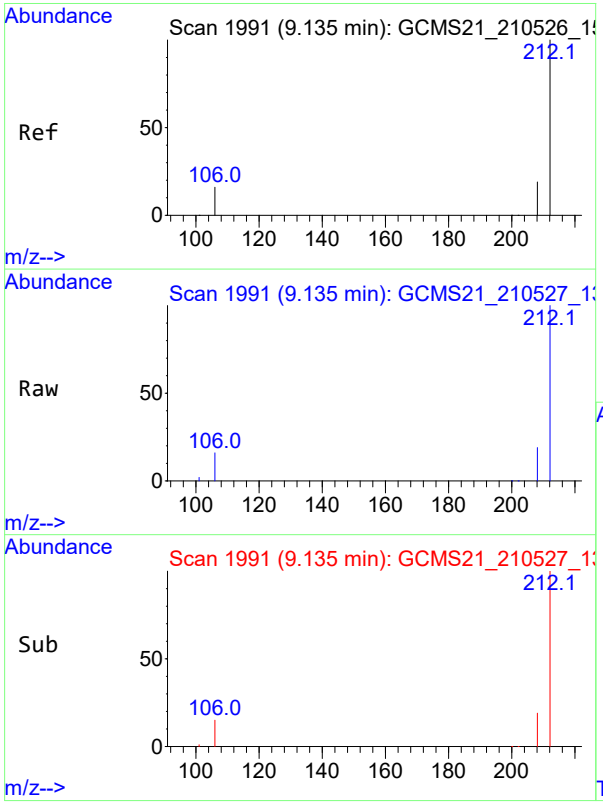


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.883 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:240 Resp: 726963

Ion	Ratio	Lower	Upper
240	100		
236	28.3	0.0	58.6

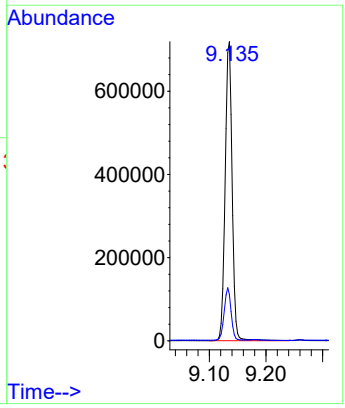


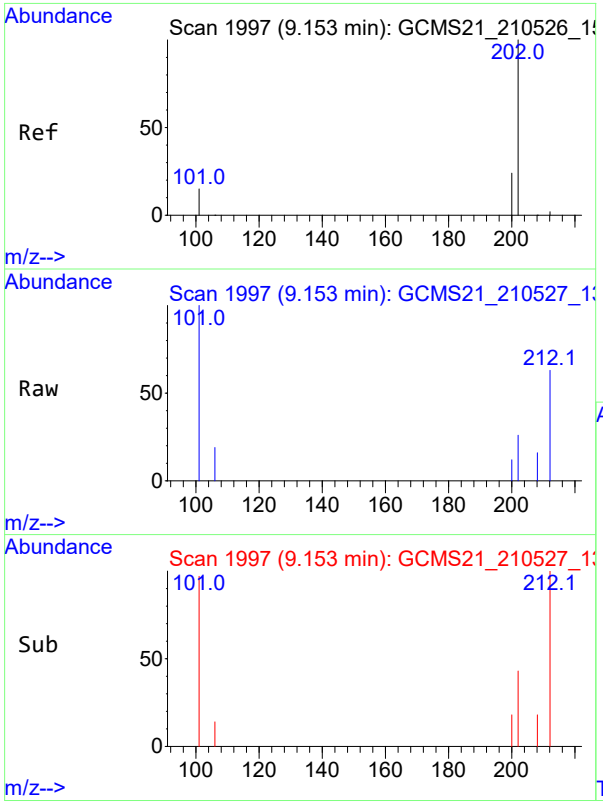


#17
Pyrene-D10
Concen: 369.00 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:212 Resp: 612037

Ion	Ratio	Lower	Upper
212	100		
106	17.4	0.0	46.2

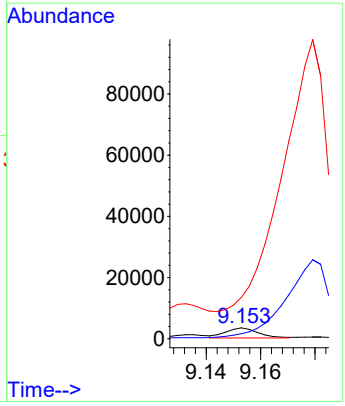


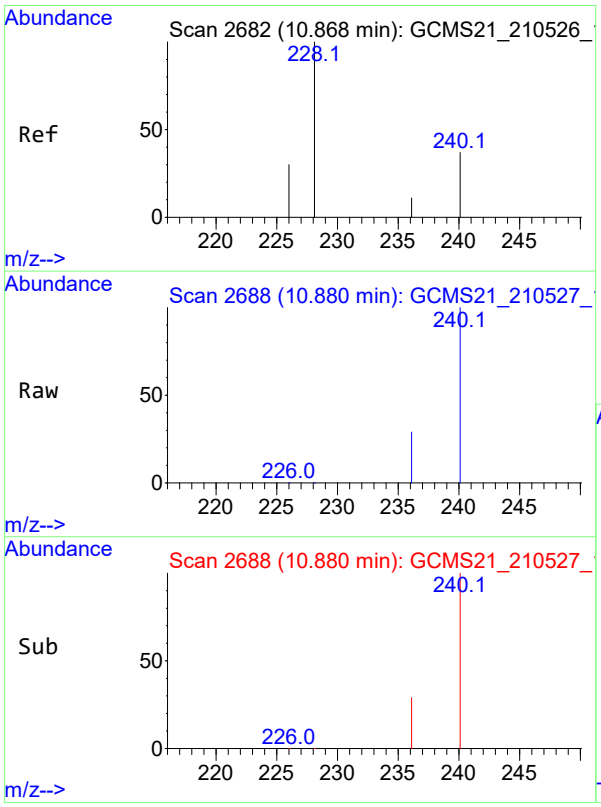


#18
Pyrene
Concen: 1.40 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:202 Resp: 2714

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

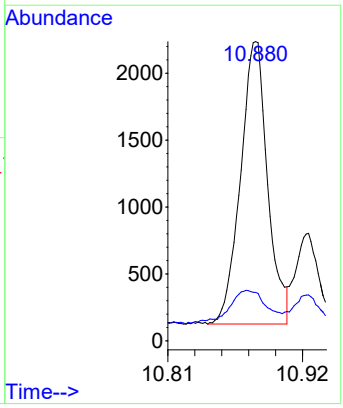


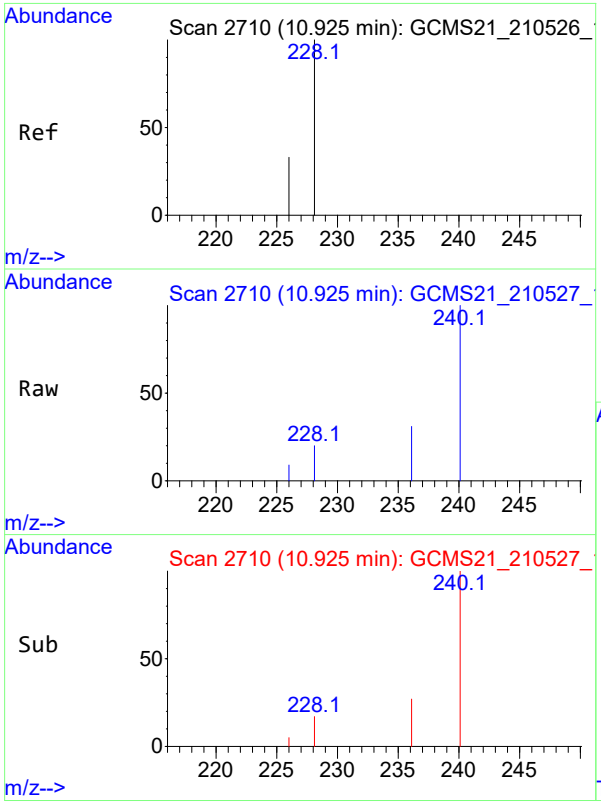


#19
Benzo(a)anthracene
Concen: 2.31 ng/mL
RT: 10.880 min Scan# 2688
Delta R.T. 0.012 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:228 Resp: 3377

Ion	Ratio	Lower	Upper
228	100		
226	16.3	0.0	59.8

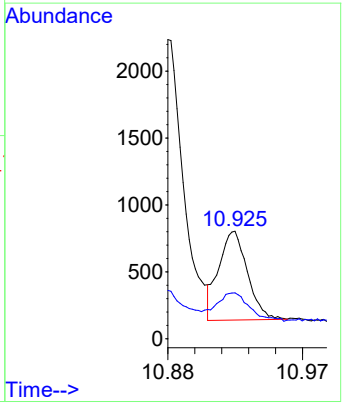


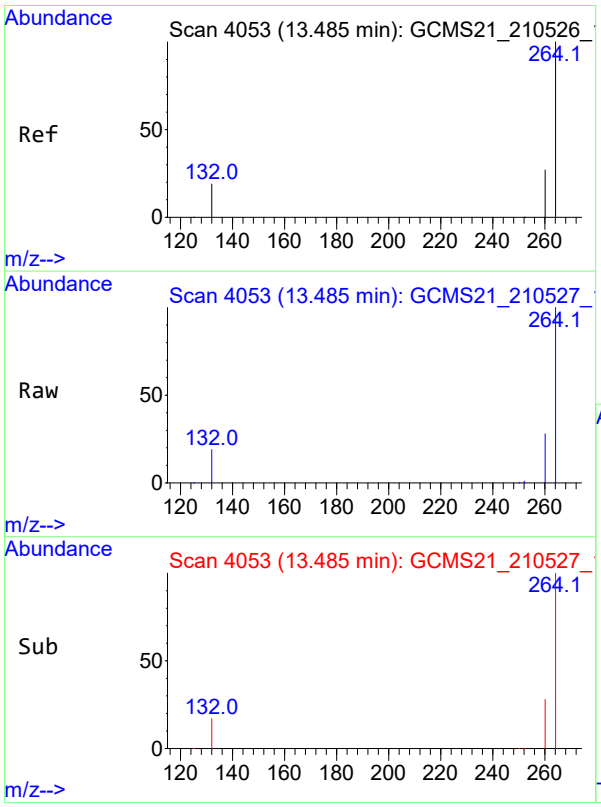


#20
Chrysene
Concen: 0.49 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:228 Resp: 890

Ion	Ratio	Lower	Upper
228	100		
226	35.8	2.8	62.8

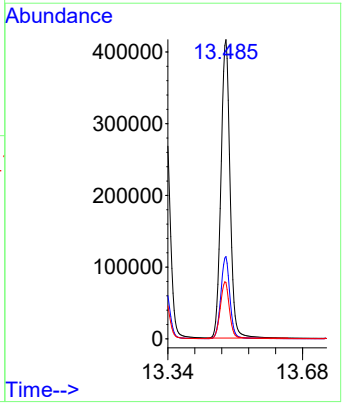


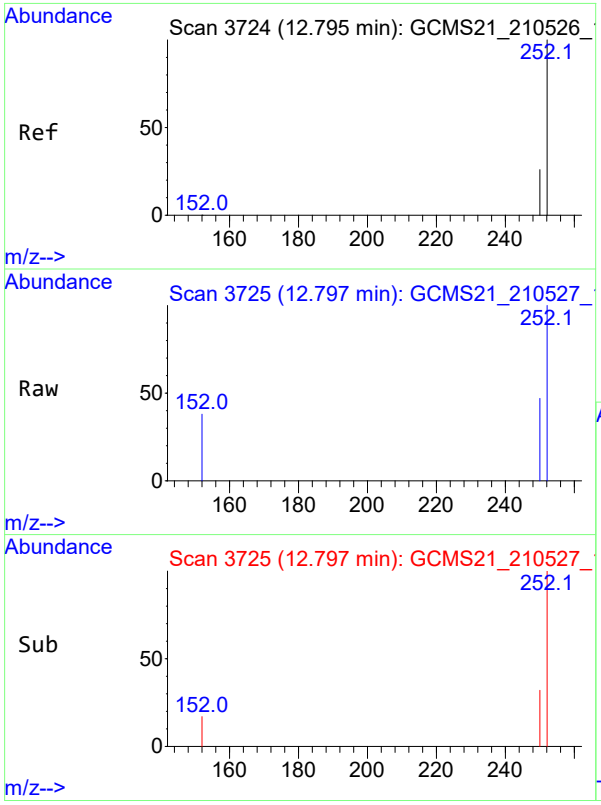


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:264 Resp: 664749

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	19.0	0.0	49.5

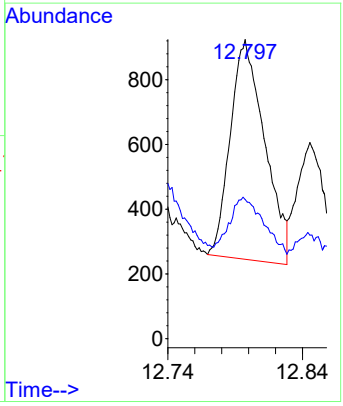


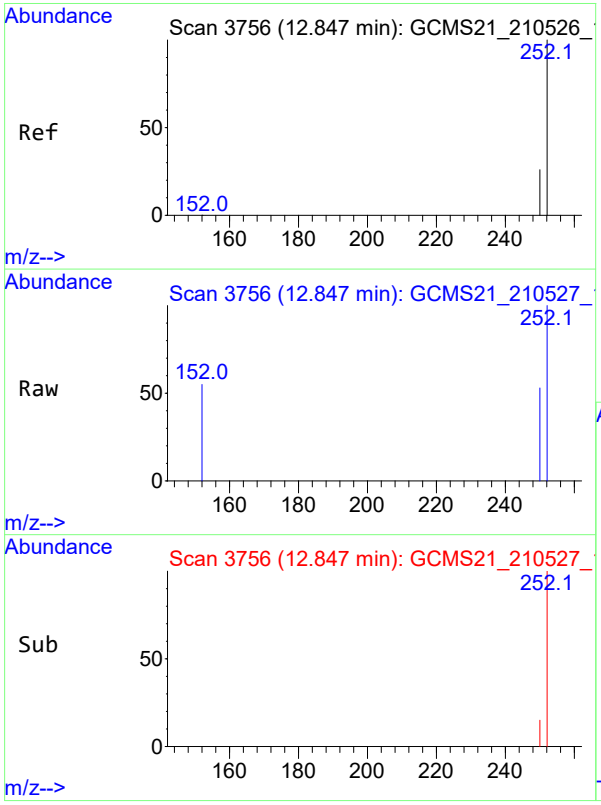


#22
Benzo(b)fluoranthene
Concen: 0.91 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:252 Resp: 1260

Ion	Ratio	Lower	Upper
252	100		
250	27.9	0.0	56.2

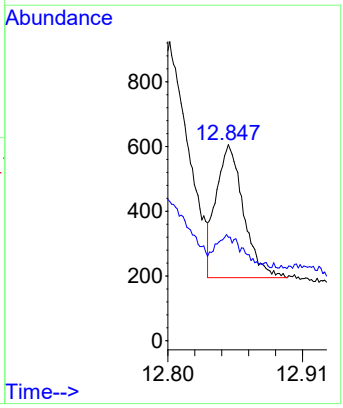


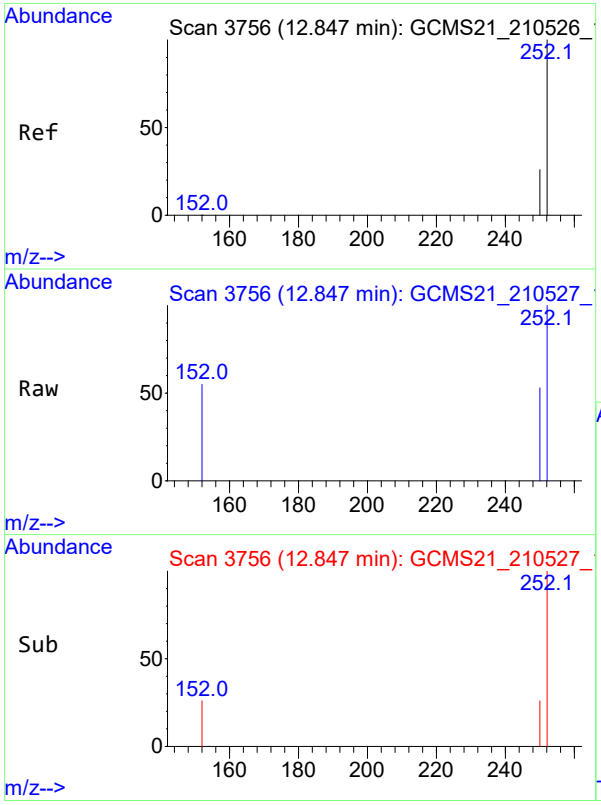


#23
Benzo(k)fluoranthene
Concen: 0.44 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:252 Resp: 671

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.6

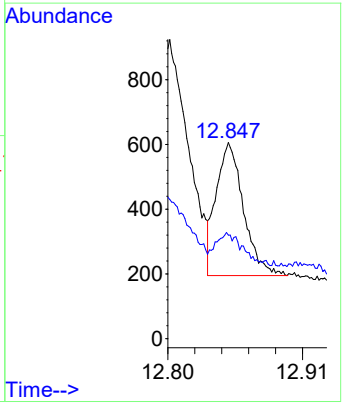


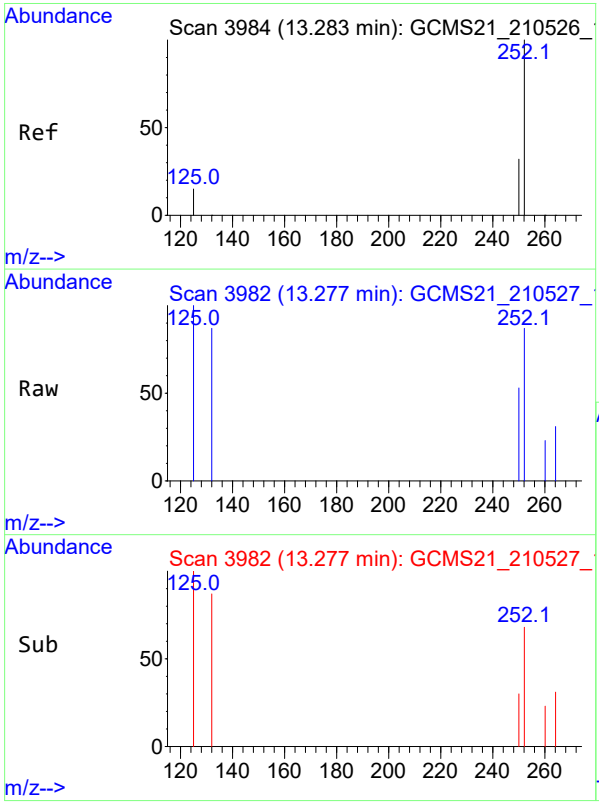


#24
benzo(b+k)fluoranthene (sum)
Concen: 0.45 ng/mL
RT: 12.847 min Scan# 3756
Delta R.T. 0.000 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:252 Resp: 671

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.6

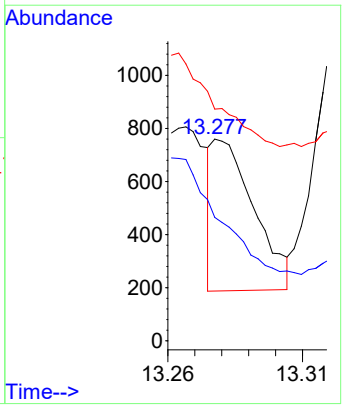


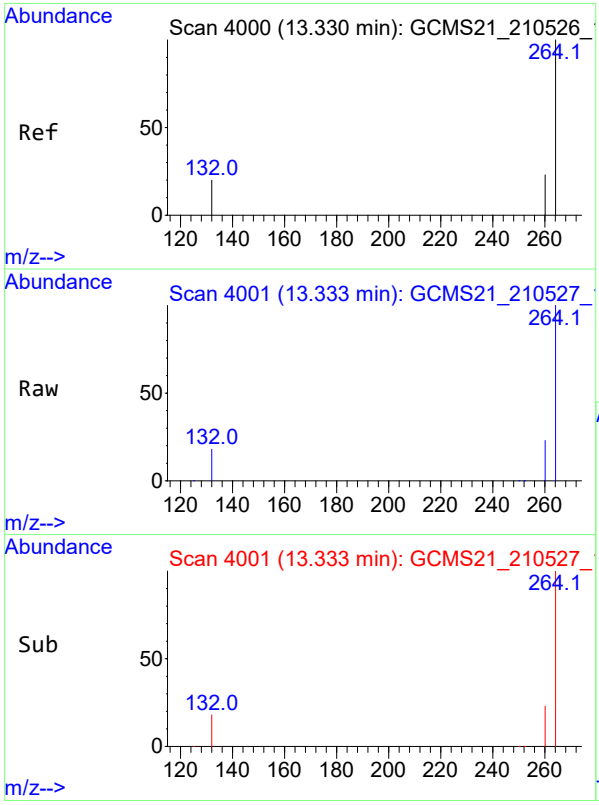


#25
Benzo(e)pyrene
Concen: 0.48 ng/mL
RT: 13.277 min Scan# 3982
Delta R.T. -0.006 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:252 Resp: 667

Ion	Ratio	Lower	Upper
252	100		
250	0.0	2.2	62.2#
125	0.0	0.0	45.4

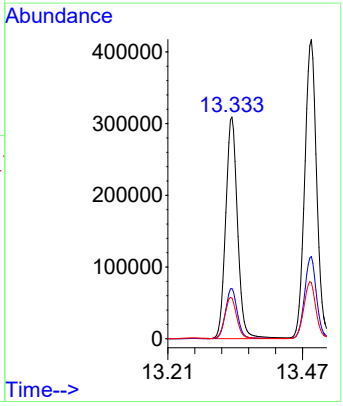


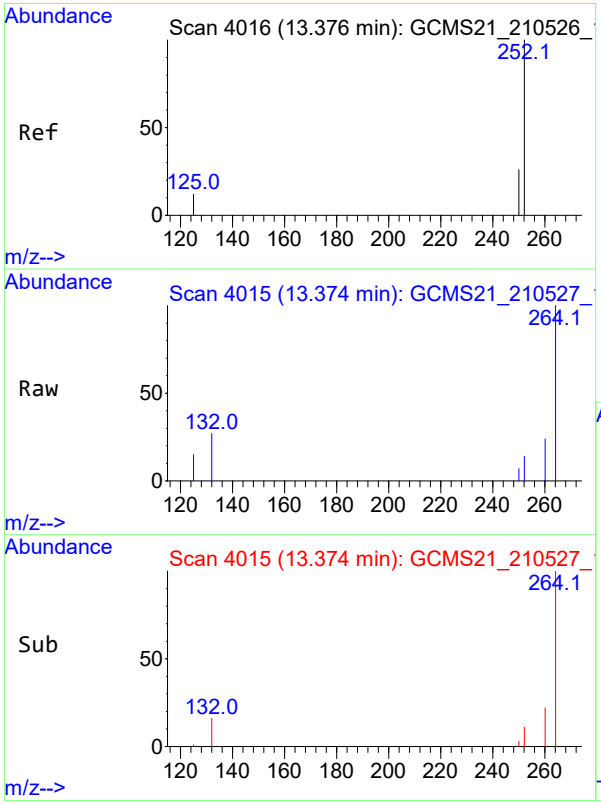


#26
Benzo(a)pyrene-D12
Concen: 450.08 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:264 Resp: 486098

Ion	Ratio	Lower	Upper
264	100		
260	22.6	0.0	53.0
132	18.6	0.0	49.7

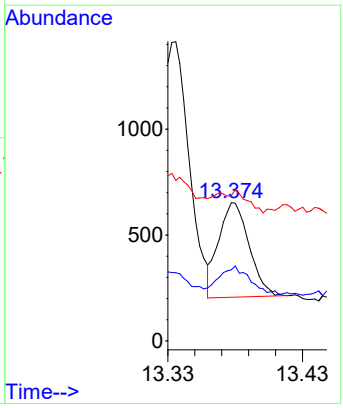


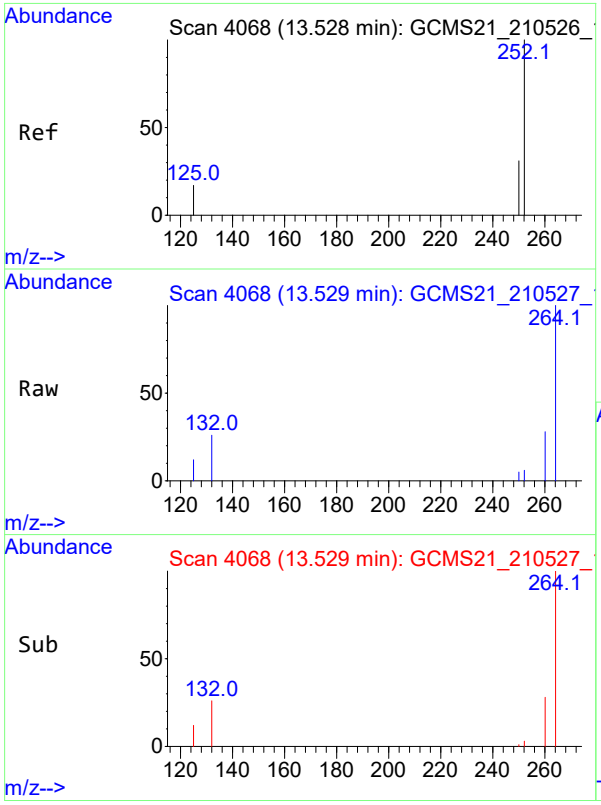


#27
Benzo(a)pyrene
Concen: 0.55 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.002 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:252 Resp: 694

Ion	Ratio	Lower	Upper
252	100		
250	30.4	0.0	56.4
125	0.0	0.0	41.7

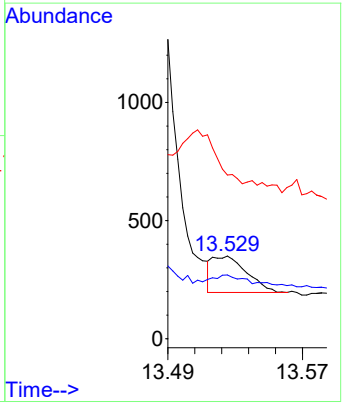


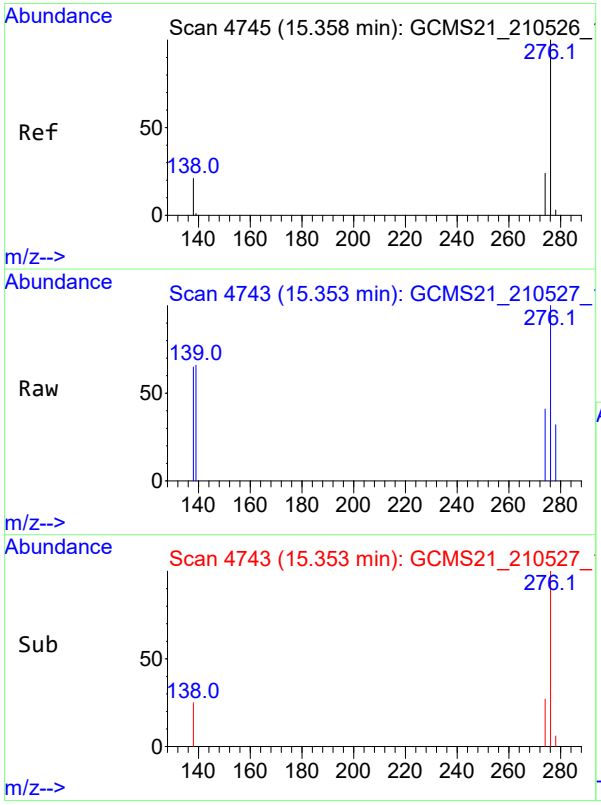


#28
Perylene
Concen: 0.15 ng/mL
RT: 13.529 min Scan# 4068
Delta R.T. 0.001 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:252 Resp: 216

Ion	Ratio	Lower	Upper
252	100		
250	0.0	1.5	61.5#
125	219.9	0.0	46.6#

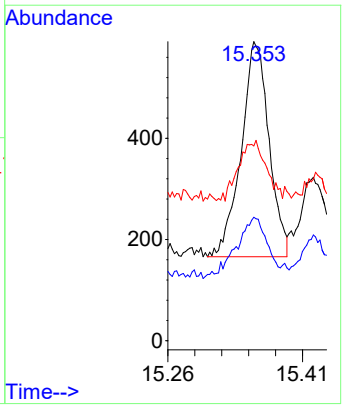


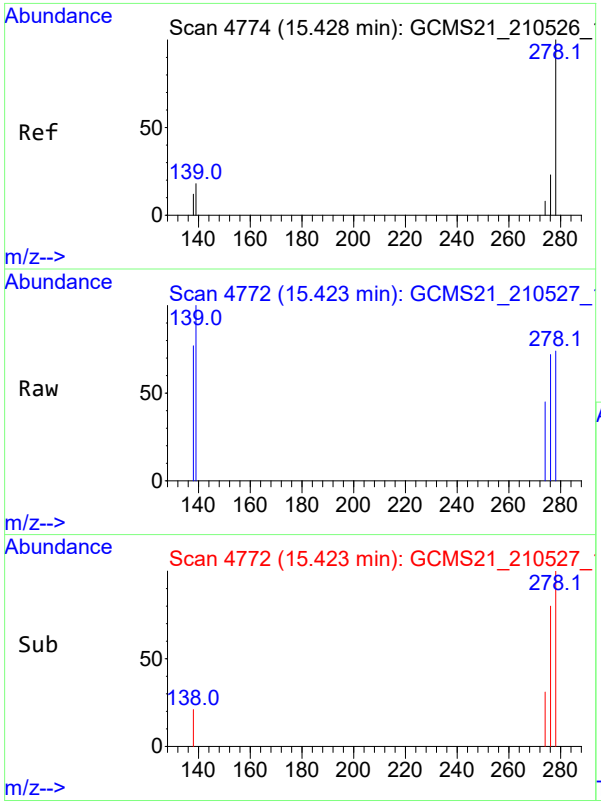


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.84 ng/mL
RT: 15.353 min Scan# 4743
Delta R.T. -0.005 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:276 Resp: 900

Ion	Ratio	Lower	Upper
276	100		
274	27.8	0.0	53.8
138	27.6	0.0	50.7

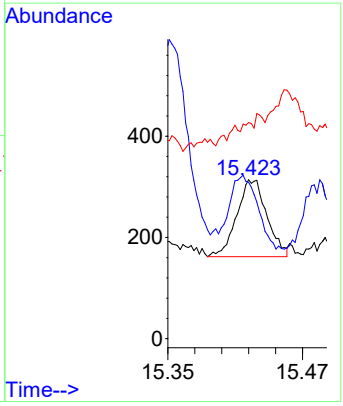


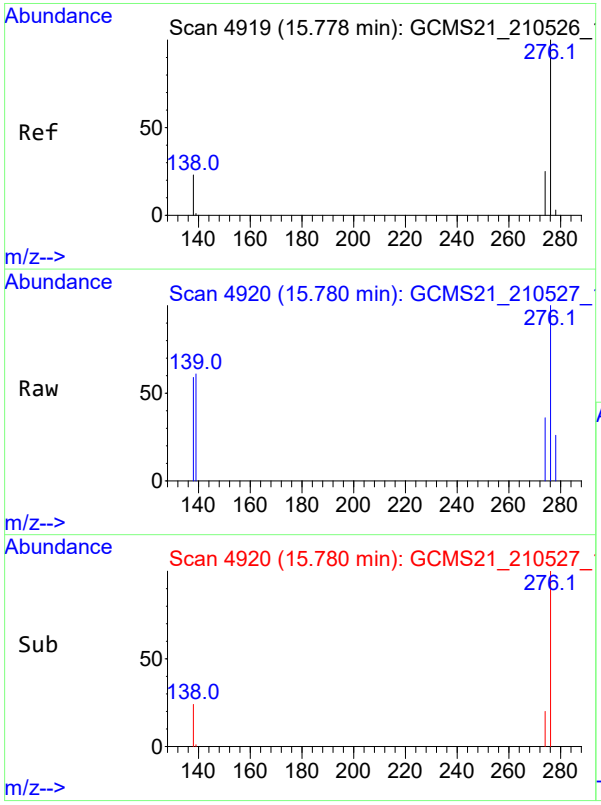


#30
Dibenz(a,h)anthracene
Concen: 0.26 ng/mL
RT: 15.423 min Scan# 4772
Delta R.T. -0.005 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:278 Resp: 279

Ion	Ratio	Lower	Upper
278	100		
276	100.4	0.0	52.8#
139	0.0	0.0	47.6

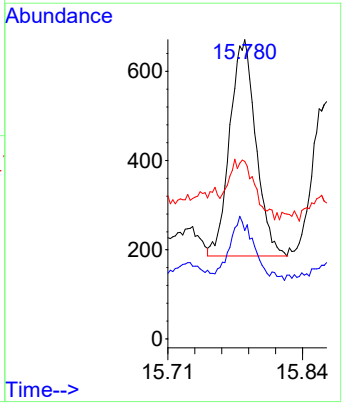




#31
Benzo(g,h,i)perylene
Concen: 0.61 ng/mL
RT: 15.780 min Scan# 4920
Delta R.T. 0.002 min
Lab File: GCMS21_210527_13.D
Acq: 27 May 2021 17:05

Tgt Ion:276 Resp: 854

Ion	Ratio	Lower	Upper
276	100		
274	23.1	0.0	54.8
138	17.0	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_14.D
Acq On : 27 May 2021 17:30
Operator : MN GCMS21
Sample : 2105001-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:32:06 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

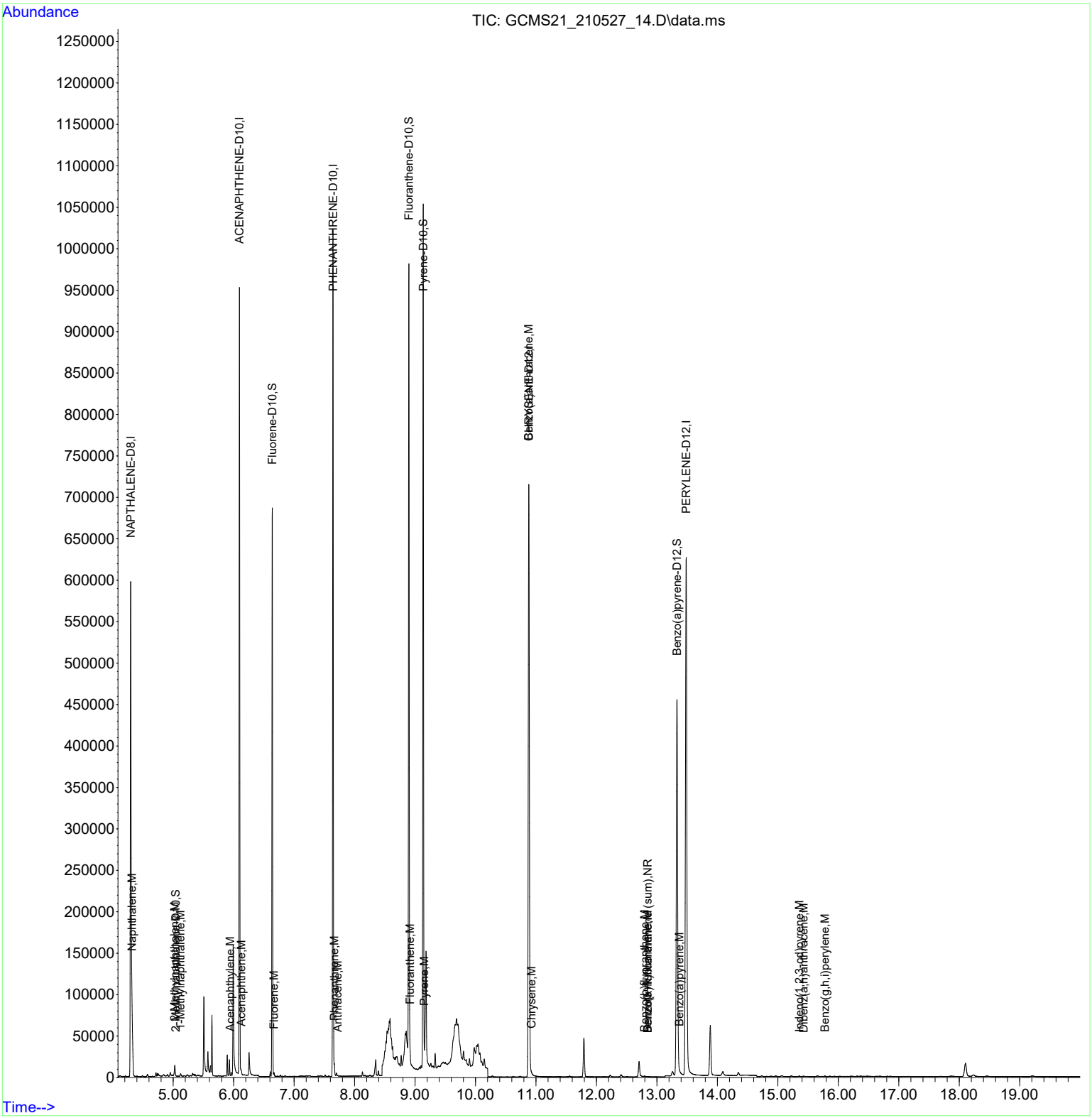
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	601071	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	347751	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	699509	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	732435	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	683606	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.045	152	134	0.18	ng/mL	0.05
9) Fluorene-D10	6.639	176	263251	316.19	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	599734	395.96	ng/mL	0.00
17) Pyrene-D10	9.135	212	650137	389.05	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	504076	453.85	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.318	128	15084	13.08	ng/mL	98
4) 2-Methylnaphthalene	5.025	142	3623	4.27	ng/mL	93
5) 1-Methylnaphthalene	5.124	142	1287	1.82	ng/mL	93
7) Acenaphthylene	5.942	152	268	0.23	ng/mL#	1
8) Acenaphthene	6.126	153	1149	1.30	ng/mL#	1
10) Fluorene	6.668	166	1338	1.37	ng/mL#	69
12) Phenanthrene	7.667	178	6782	4.02	ng/mL	98
13) Anthracene	7.719	178	285	0.20	ng/mL#	1
15) Fluoranthene	8.916	202	4519	2.54	ng/mL#	1
18) Pyrene	9.153	202	2606	1.33	ng/mL#	56
19) Benzo(a)anthracene	10.880	228	3308	2.25	ng/mL	69
20) Chrysene	10.925	228	849	0.47	ng/mL	95
22) Benzo(b)fluoranthene	12.795	252	1338	0.94	ng/mL	86
23) Benzo(k)fluoranthene	12.849	252	538	0.34	ng/mL	95
24) benzo(b+k)fluoranthene...	12.849	252	552	0.36	ng/mL	95
25) Benzo(e)pyrene	0.000		0	N.D.	d	
27) Benzo(a)pyrene	13.374	252	700	0.54	ng/mL	84
28) Perylene	13.526	252	125	N.D.		
29) Indeno(1,2,3-cd)pyrene	15.358	276	763	0.69	ng/mL	88
30) Dibenz(a,h)anthracene	15.426	278	217	0.20	ng/mL#	1
31) Benzo(g,h,i)perylene	15.778	276	655	0.45	ng/mL	94

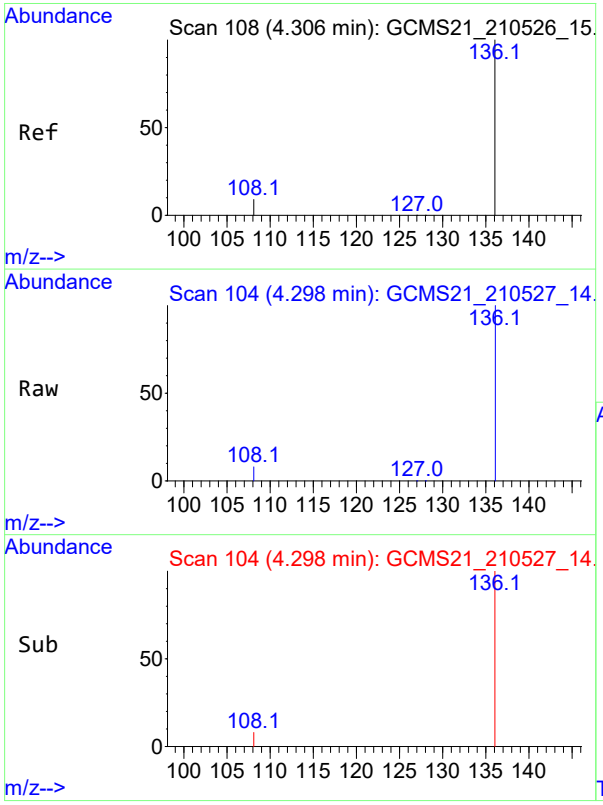
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_14.D
Acq On : 27 May 2021 17:30
Operator : MN GCMS21
Sample : 2105001-11
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 28 11:32:06 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

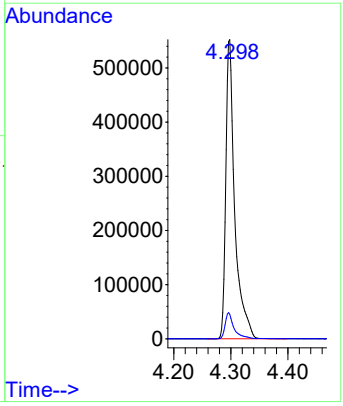


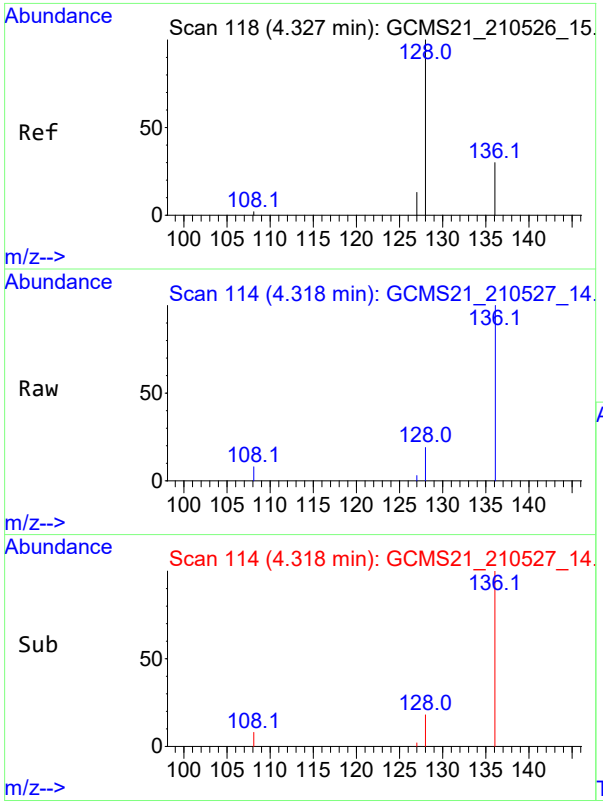


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:136 Resp: 601071

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	28.3

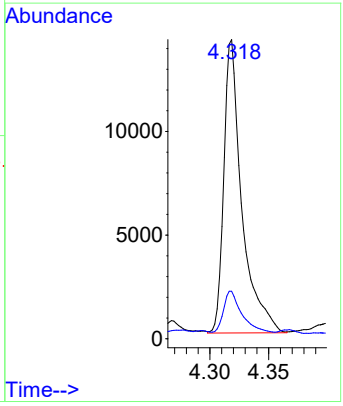


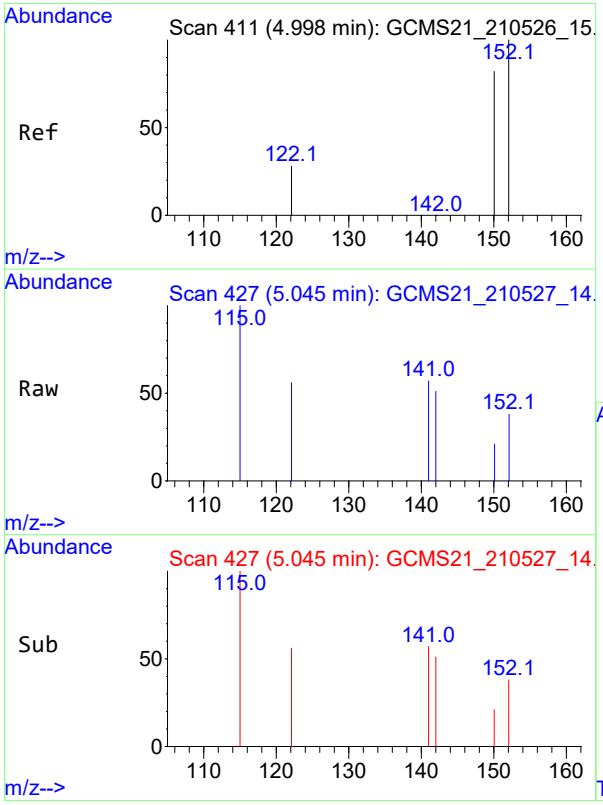


#2
Naphthalene
Concen: 13.08 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:128 Resp: 15084

Ion	Ratio	Lower	Upper
128	100		
127	14.1	0.0	43.3

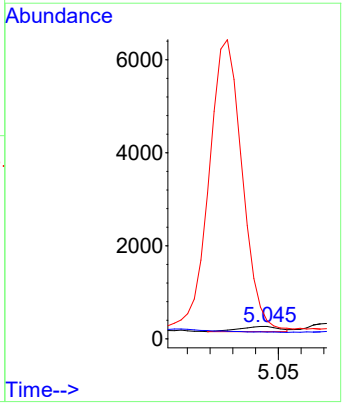


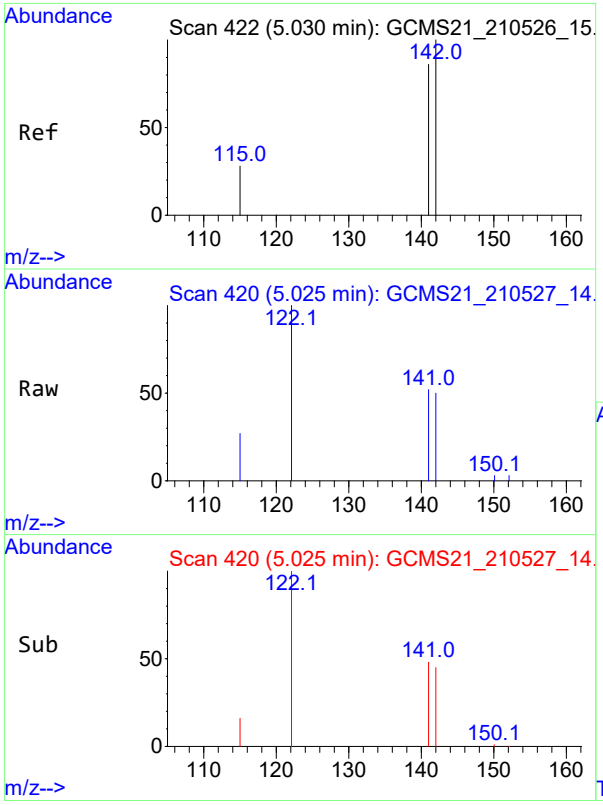


#3
2-Methylnaphthalene-D10
Concen: 0.18 ng/mL
RT: 5.045 min Scan# 427
Delta R.T. 0.047 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:152 Resp: 134

Ion	Ratio	Lower	Upper
152	100		
150	102.2	52.3	112.3
122	4723.9	0.0	57.5#

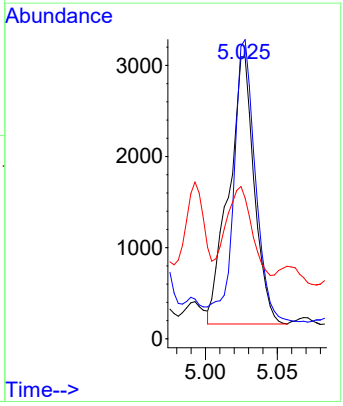


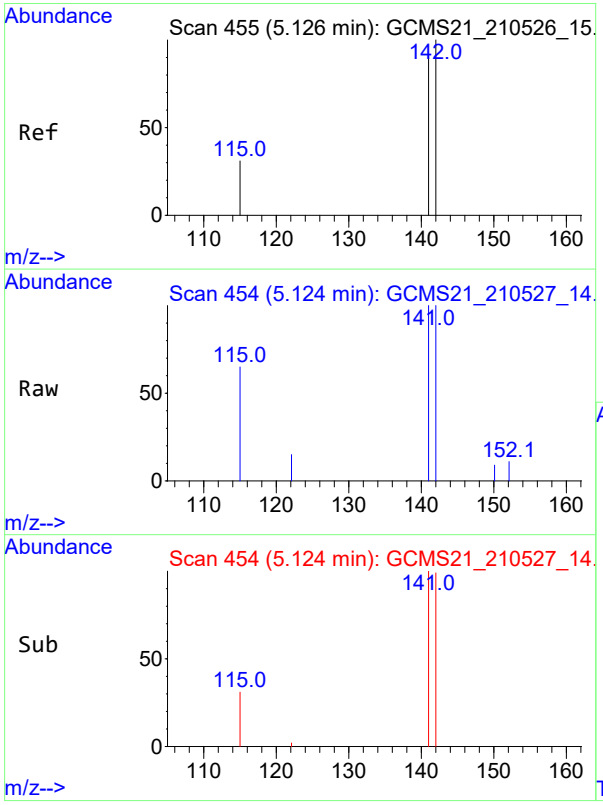


#4
2-Methylnaphthalene
Concen: 4.27 ng/mL
RT: 5.025 min Scan# 420
Delta R.T. -0.006 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:142 Resp: 3623

Ion	Ratio	Lower	Upper
142	100		
141	89.3	56.3	116.3
115	38.0	0.0	57.4

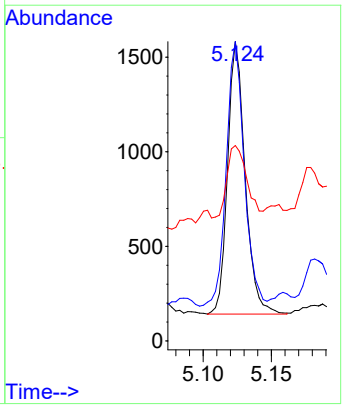


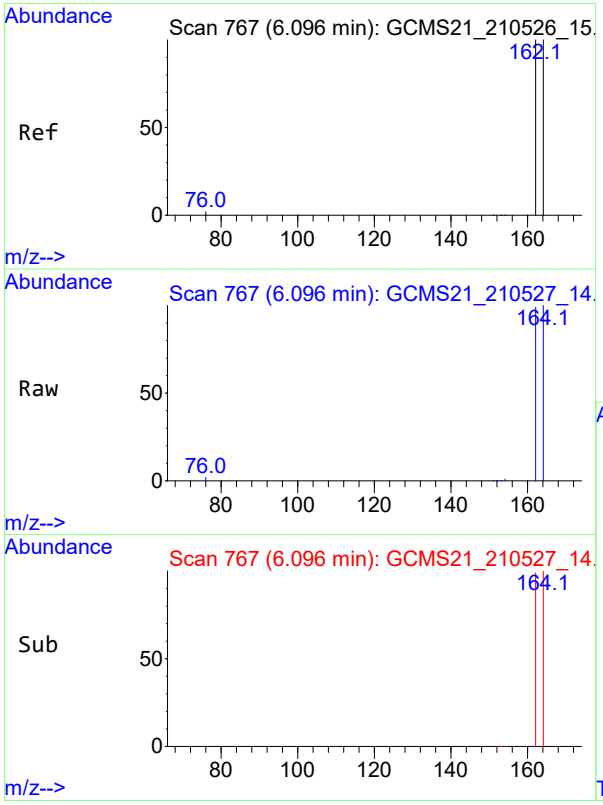


#5
1-Methylnaphthalene
Concen: 1.82 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:142 Resp: 1287

Ion	Ratio	Lower	Upper
142	100		
141	99.6	61.5	121.5
115	29.9	0.2	60.2

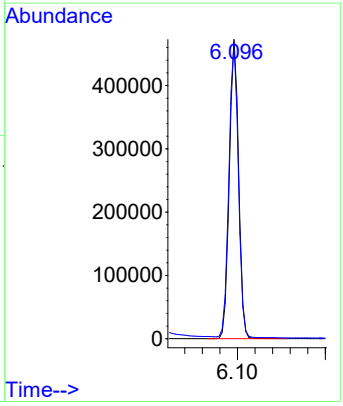


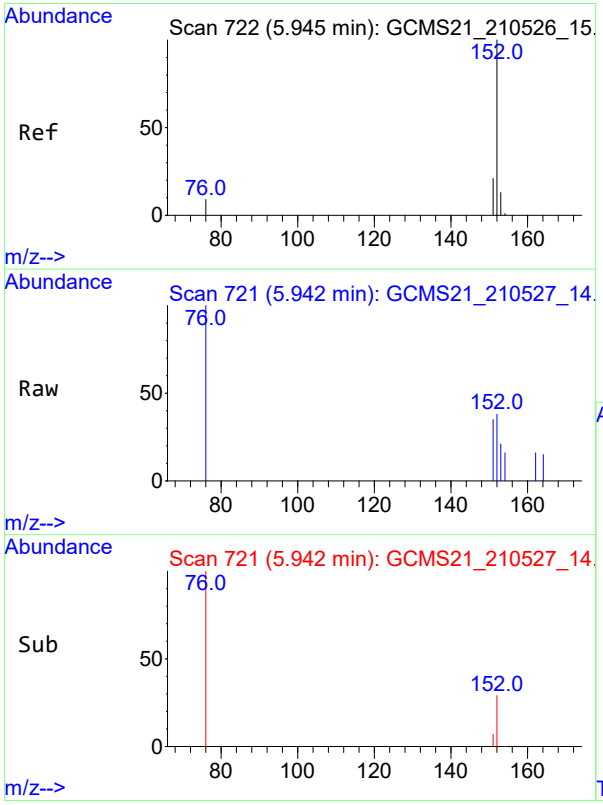


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:164 Resp: 347751

Ion	Ratio	Lower	Upper
164	100		
162	101.5	77.7	117.7

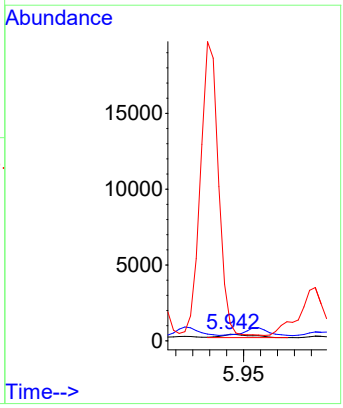


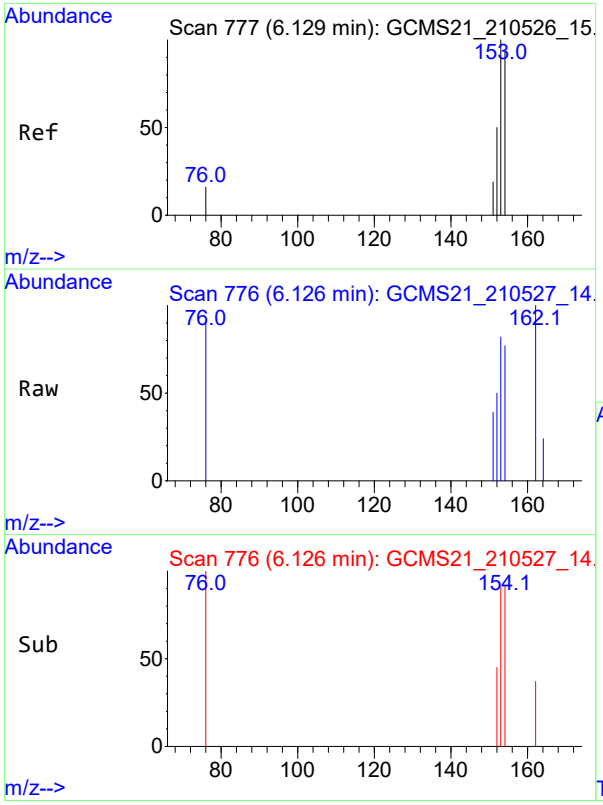


#7
Acenaphthylene
Concen: 0.23 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:152 Resp: 268

Ion	Ratio	Lower	Upper
152	100		
151	177.6	0.0	52.0#
76	5433.6	0.0	39.5#

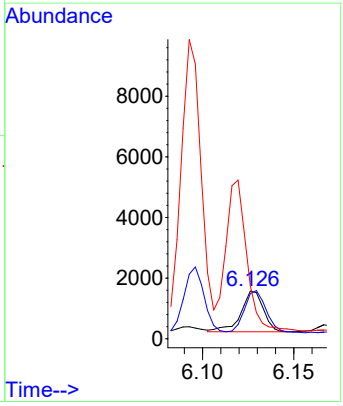


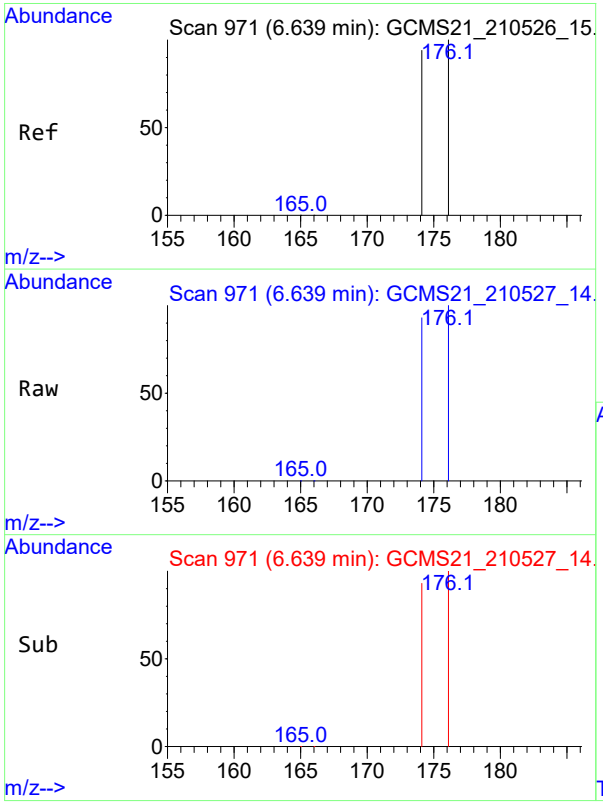


#8
Acenaphthene
Concen: 1.30 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:153 Resp: 1149

Ion	Ratio	Lower	Upper
153	100		
154	100.5	60.4	120.4
76	344.4	0.0	47.4#

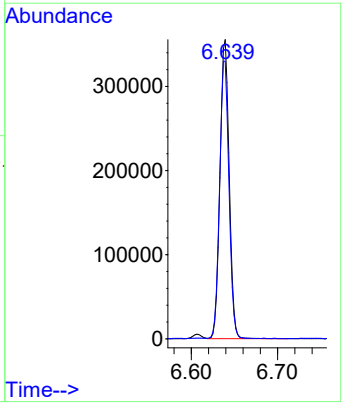


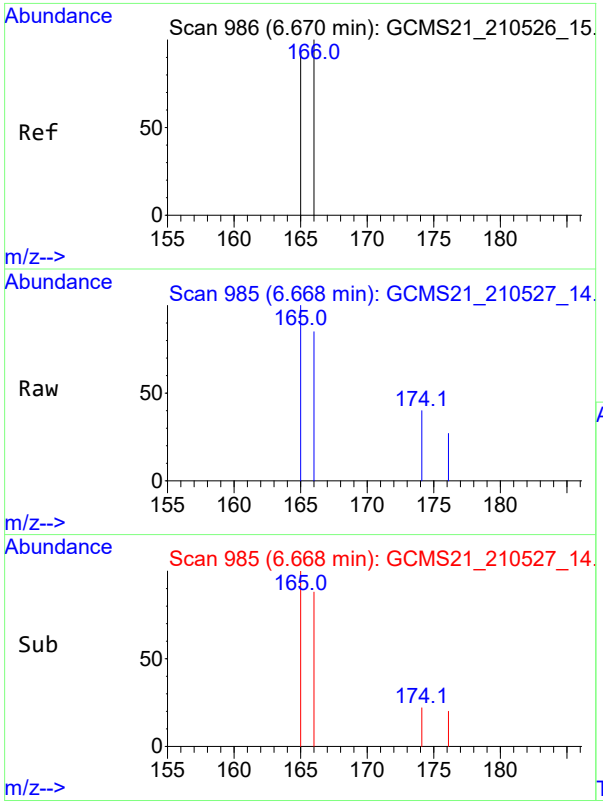


#9
Fluorene-D10
Concen: 316.19 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:176 Resp: 263251

Ion	Ratio	Lower	Upper
176	100		
174	94.4	63.9	123.9

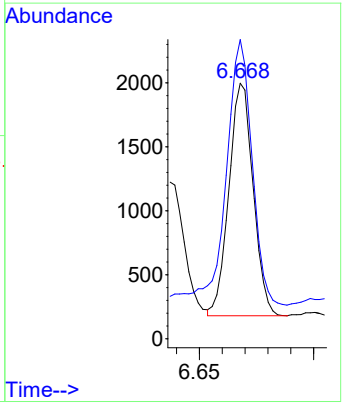


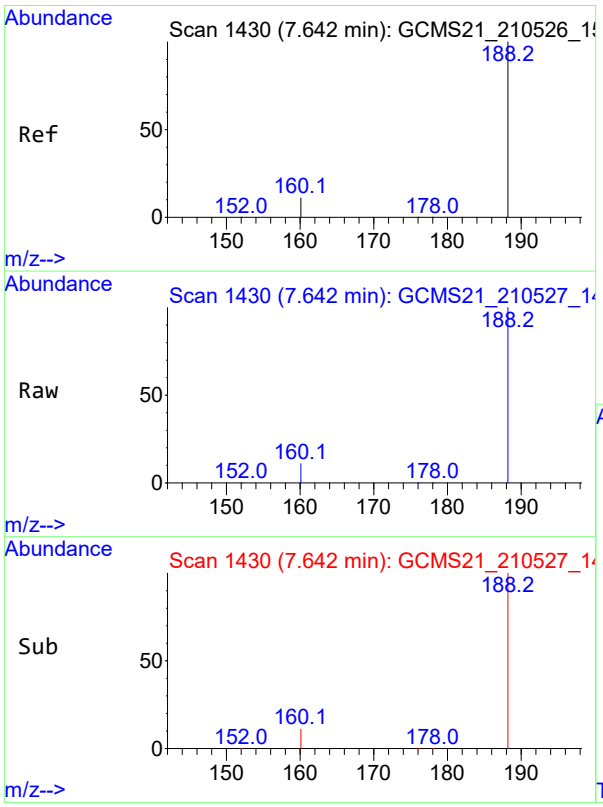


#10
Fluorene
Concen: 1.37 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:166 Resp: 1338

Ion	Ratio	Lower	Upper
166	100		
165	125.4	65.1	125.1#

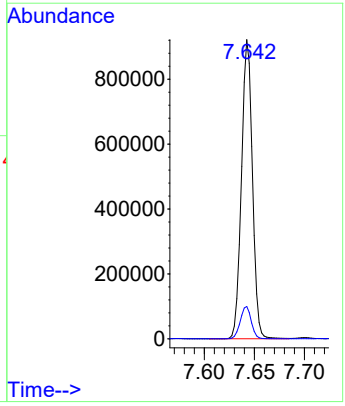


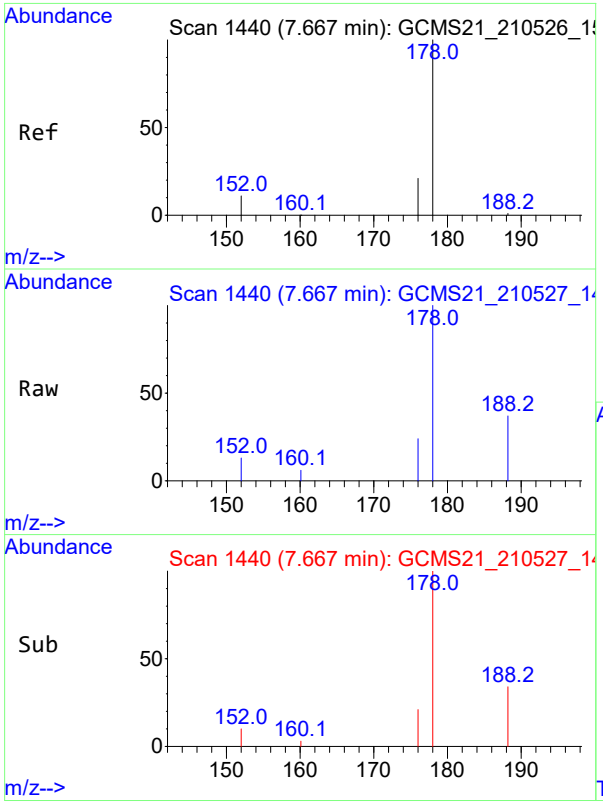


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:188 Resp: 699509

Ion	Ratio	Lower	Upper
188	100		
160	10.9	0.0	39.8

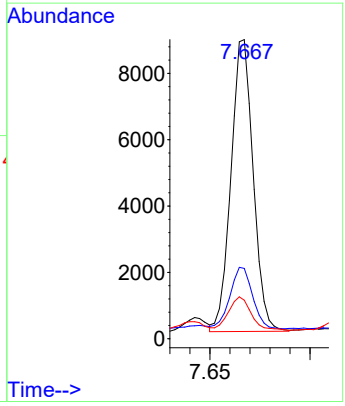


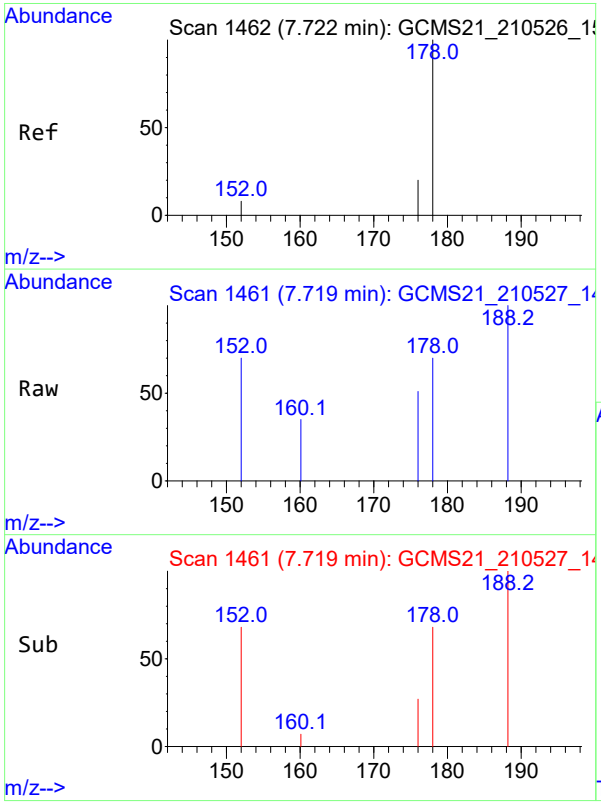


#12
Phenanthrene
Concen: 4.02 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:178 Resp: 6782

Ion	Ratio	Lower	Upper
178	100		
176	21.5	0.0	50.9
152	11.6	0.0	40.5

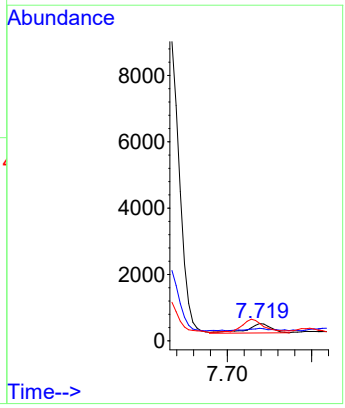


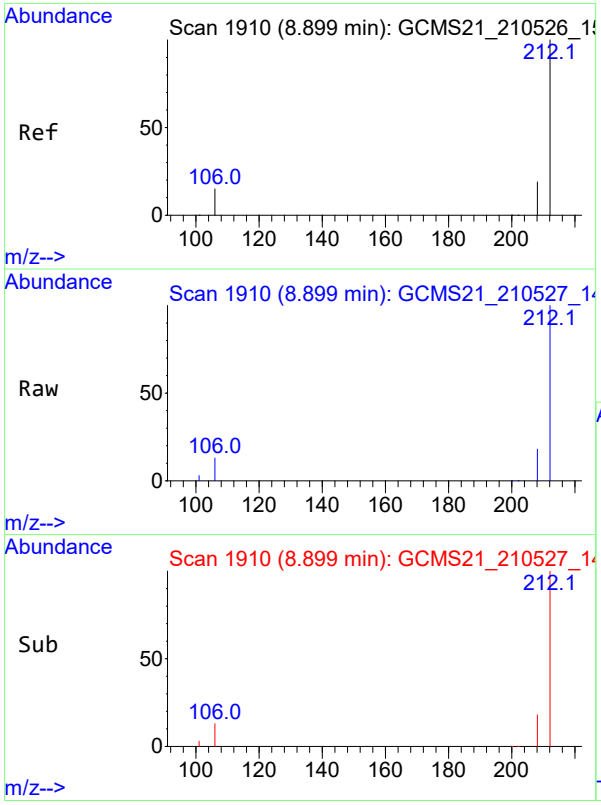


#13
Anthracene
Concen: 0.20 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:178 Resp: 285

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	50.2
152	126.3	0.0	38.2#

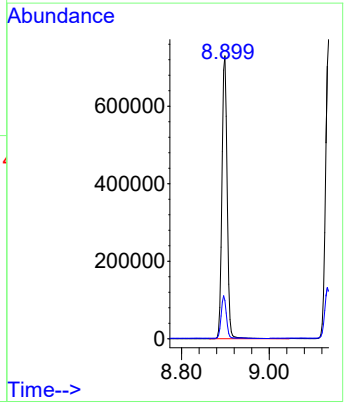


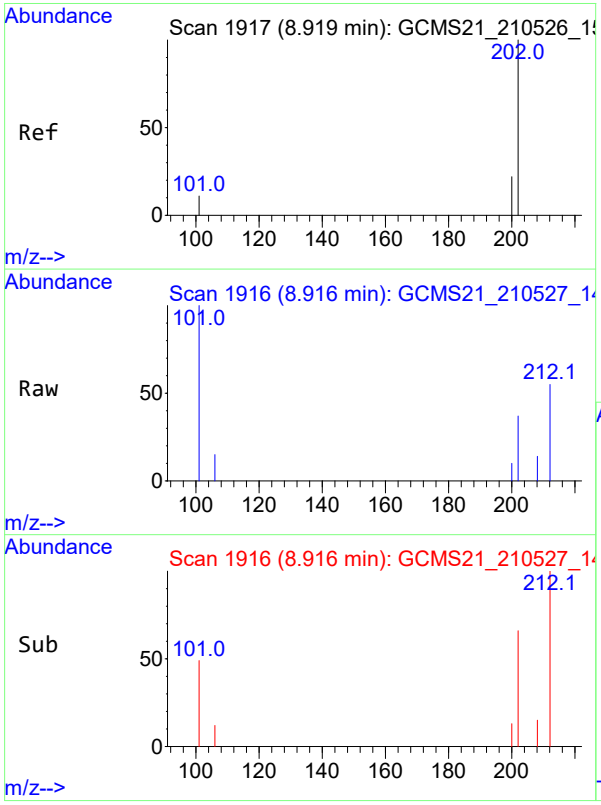


#14
Fluoranthene-D10
Concen: 395.96 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:212 Resp: 599734

Ion	Ratio	Lower	Upper
212	100		
106	15.0	0.0	44.9

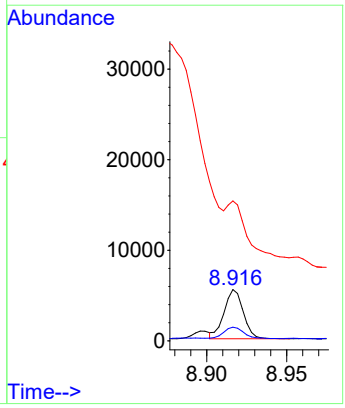


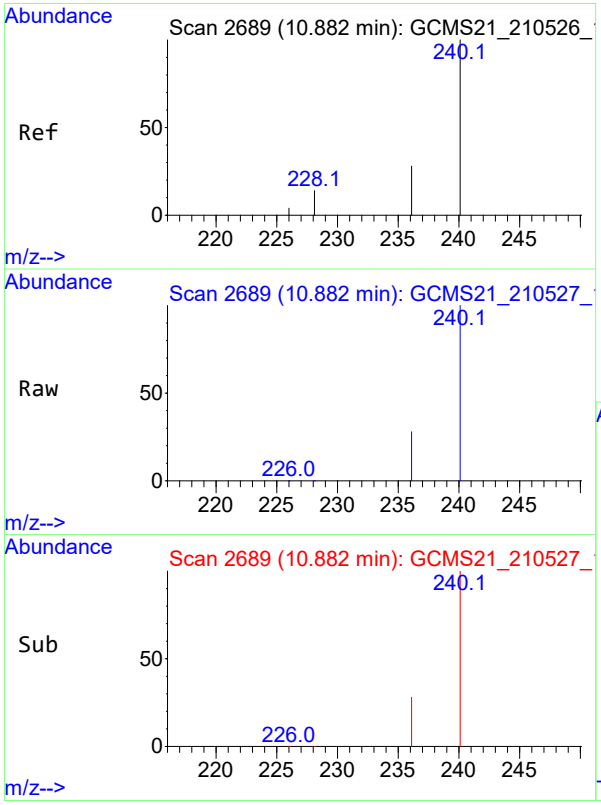


#15
Fluoranthene
Concen: 2.54 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:202 Resp: 4519

Ion	Ratio	Lower	Upper
202	100		
200	23.7	0.0	52.4
101	273.7	0.0	41.1#

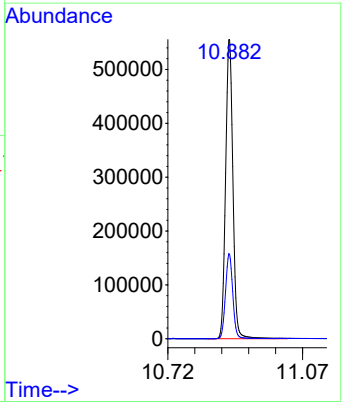


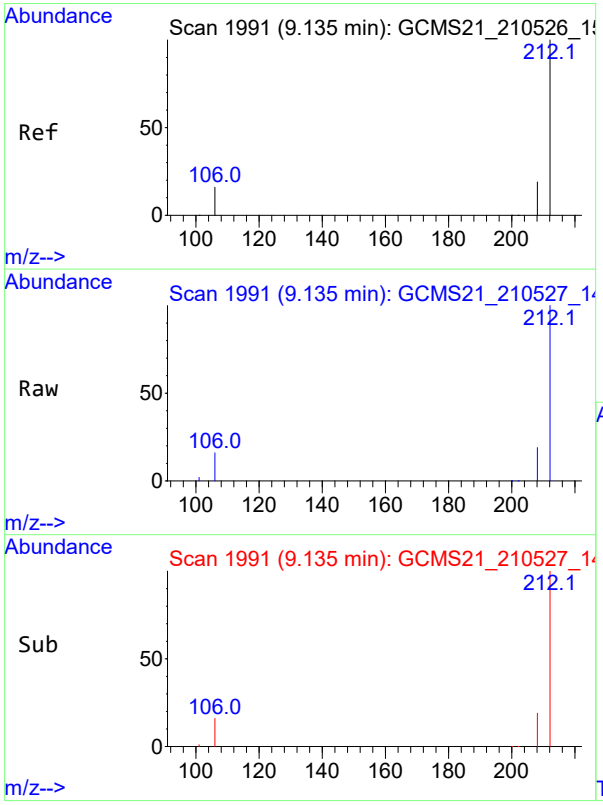


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:240 Resp: 732435

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.6

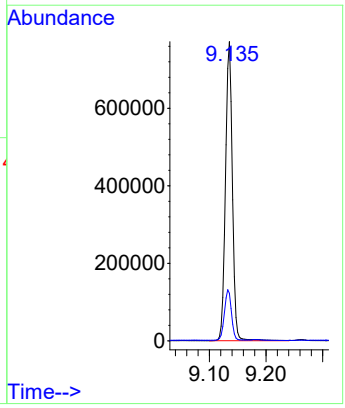


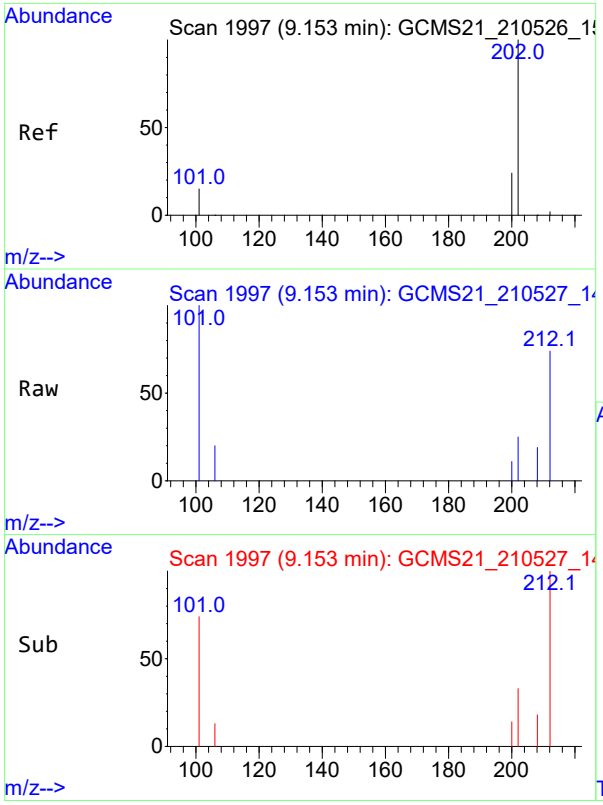


#17
Pyrene-D10
Concen: 389.05 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:212 Resp: 650137

Ion	Ratio	Lower	Upper
212	100		
106	17.3	0.0	46.2

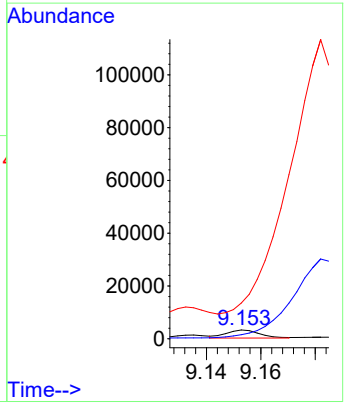


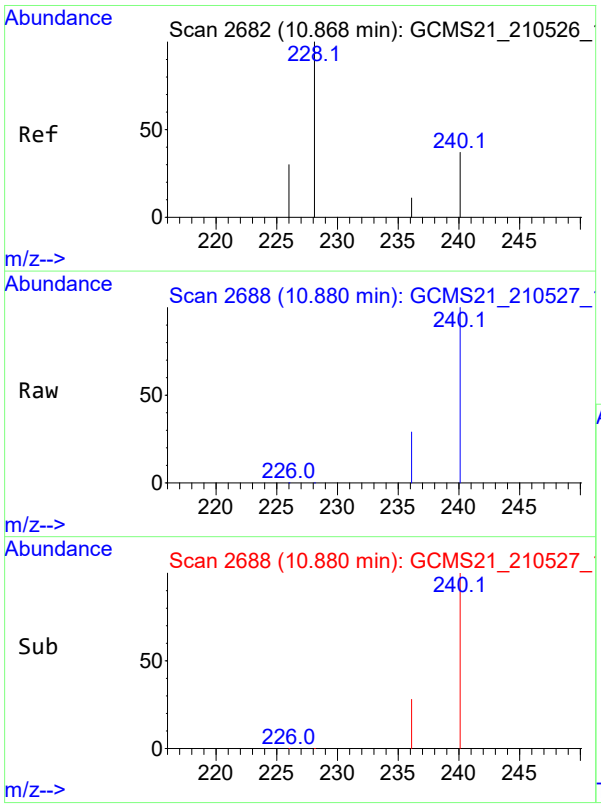


#18
Pyrene
Concen: 1.33 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:202 Resp: 2606

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

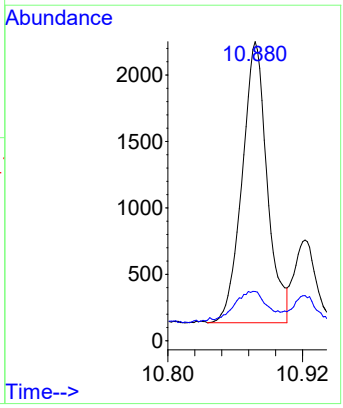


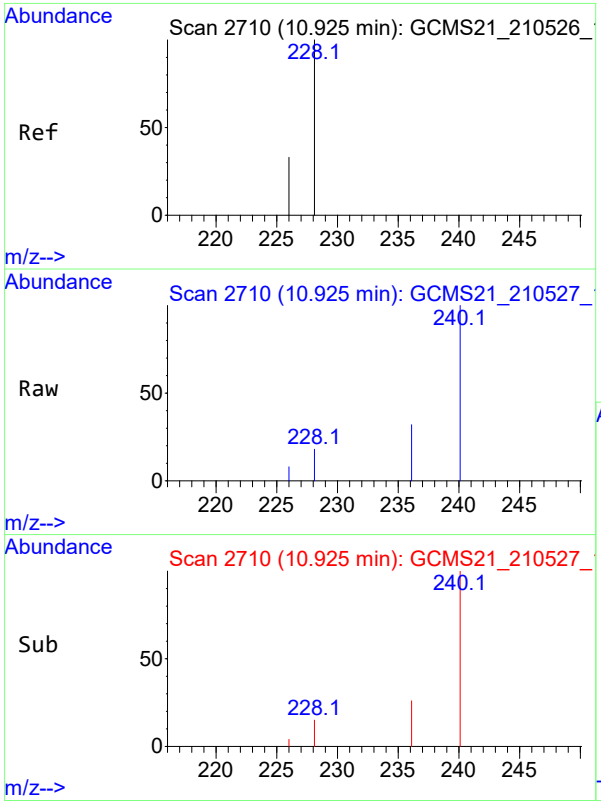


#19
Benzo(a)anthracene
Concen: 2.25 ng/mL
RT: 10.880 min Scan# 2688
Delta R.T. 0.012 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:228 Resp: 3308

Ion	Ratio	Lower	Upper
228	100		
226	12.8	0.0	59.8

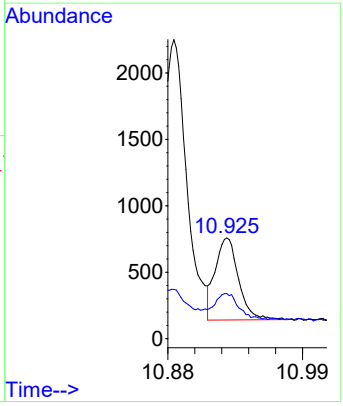


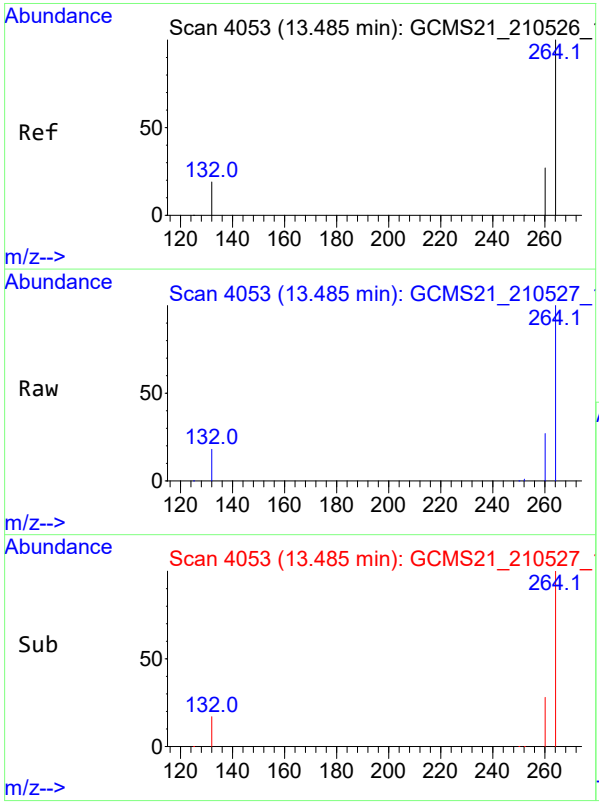


#20
Chrysene
Concen: 0.47 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:228 Resp: 849

Ion	Ratio	Lower	Upper
228	100		
226	35.5	2.8	62.8

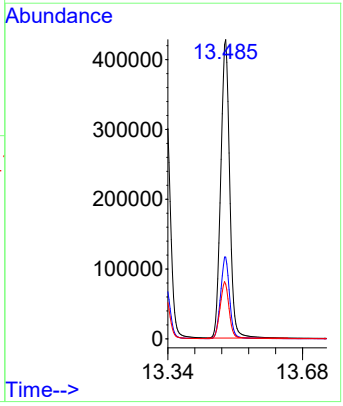


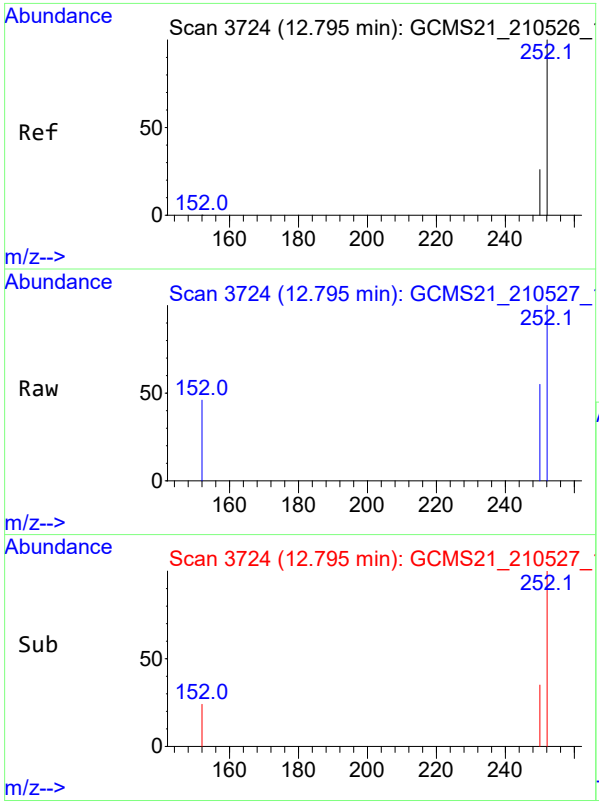


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:264 Resp: 683606

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	19.0	0.0	49.5

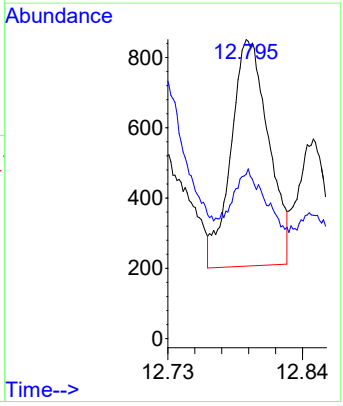


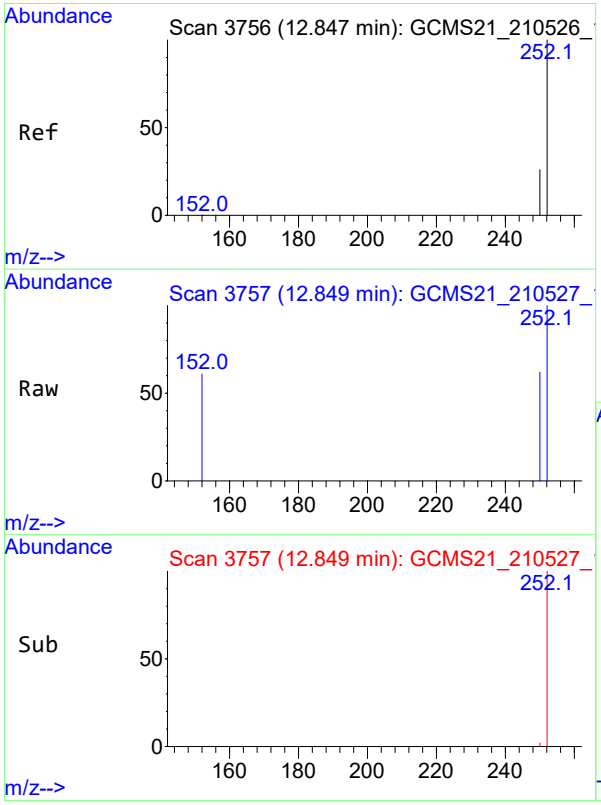


#22
Benzo(b)fluoranthene
Concen: 0.94 ng/mL
RT: 12.795 min Scan# 3724
Delta R.T. 0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:252 Resp: 1338

Ion	Ratio	Lower	Upper
252	100		
250	33.4	0.0	56.2

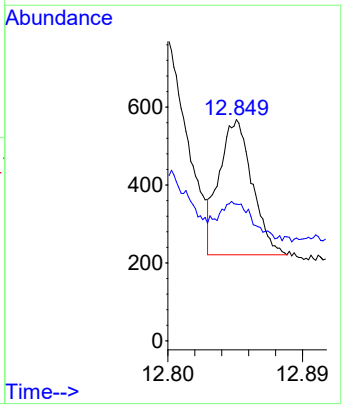


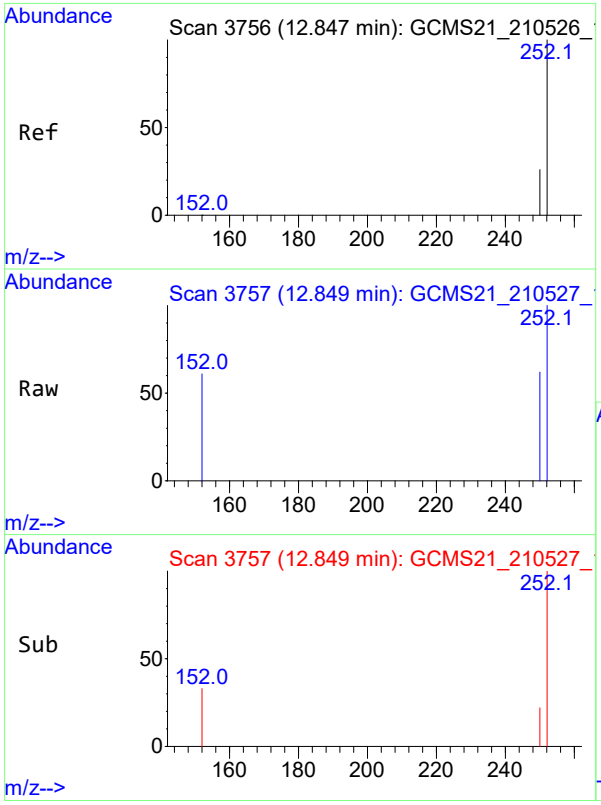


#23
Benzo(k)fluoranthene
Concen: 0.34 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:252 Resp: 538

Ion	Ratio	Lower	Upper
252	100		
250	23.2	0.0	55.6

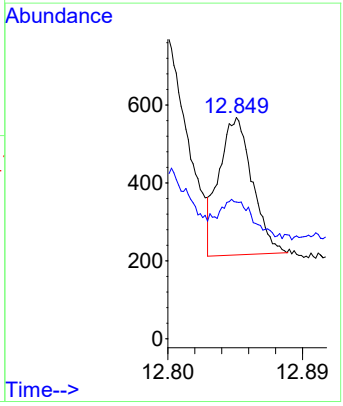


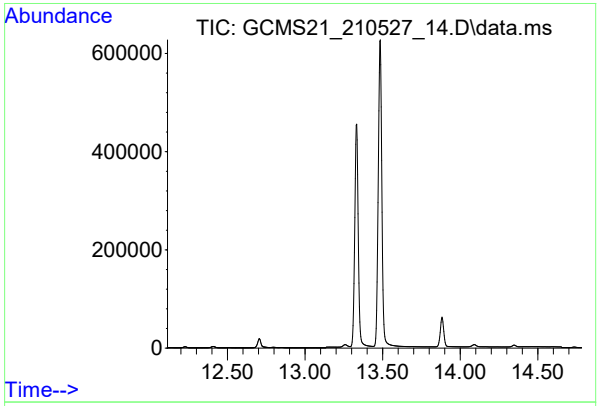


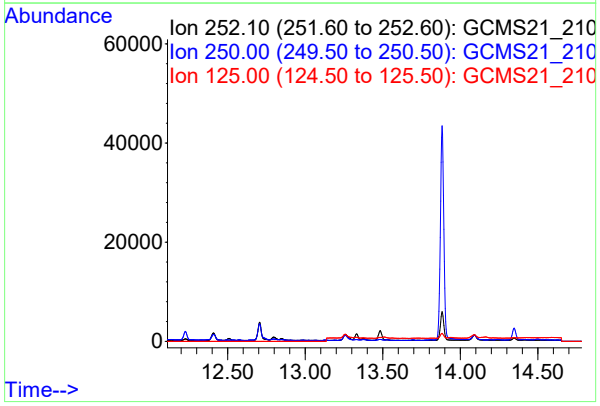
#24
benzo(b+k)fluoranthene (sum)
Concen: 0.36 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:252 Resp: 552

Ion	Ratio	Lower	Upper
252	100		
250	23.2	0.0	55.6





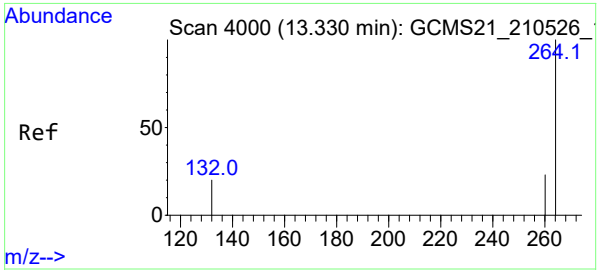


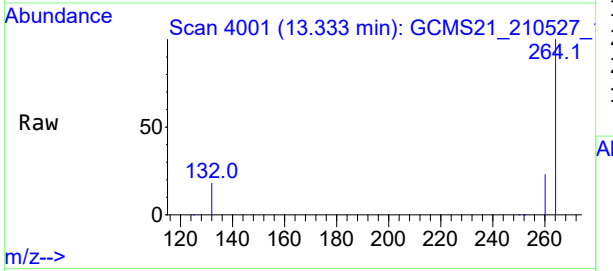
#25
Benzo(e)pyrene
Concen: N.D.
Expected RT: 13.28 min

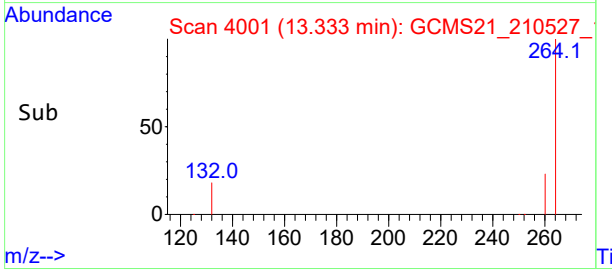
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	32.2
125	15.4



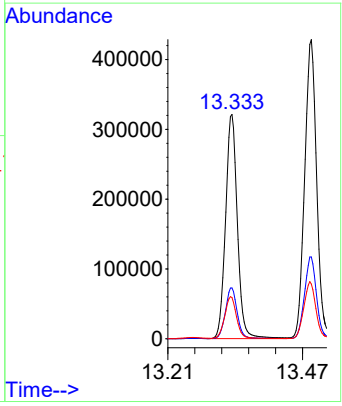


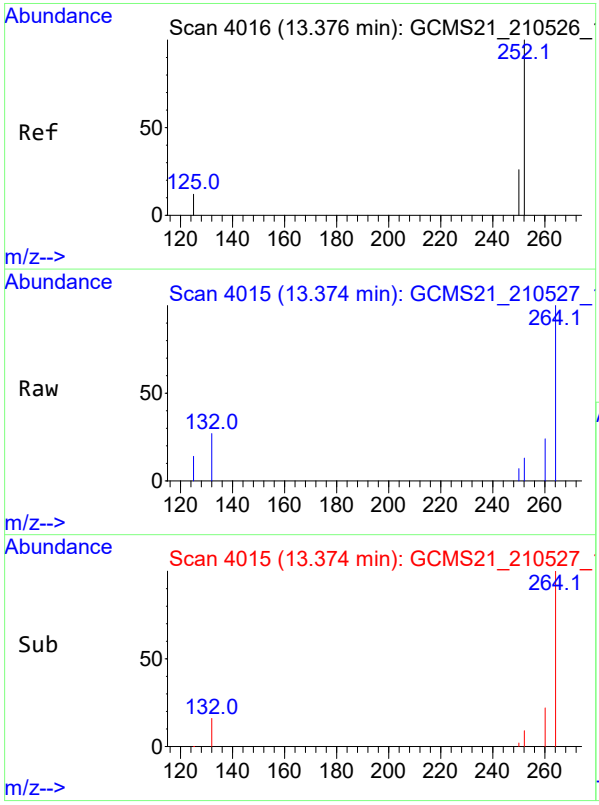


#26
Benzo(a)pyrene-D12
Concen: 453.85 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:264 Resp: 504076

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.5	0.0	49.7

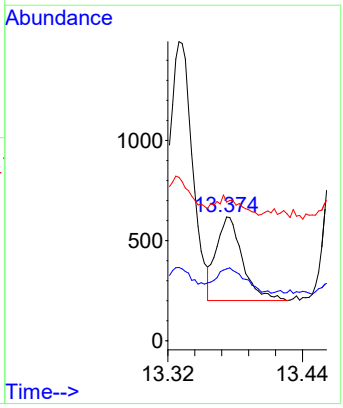


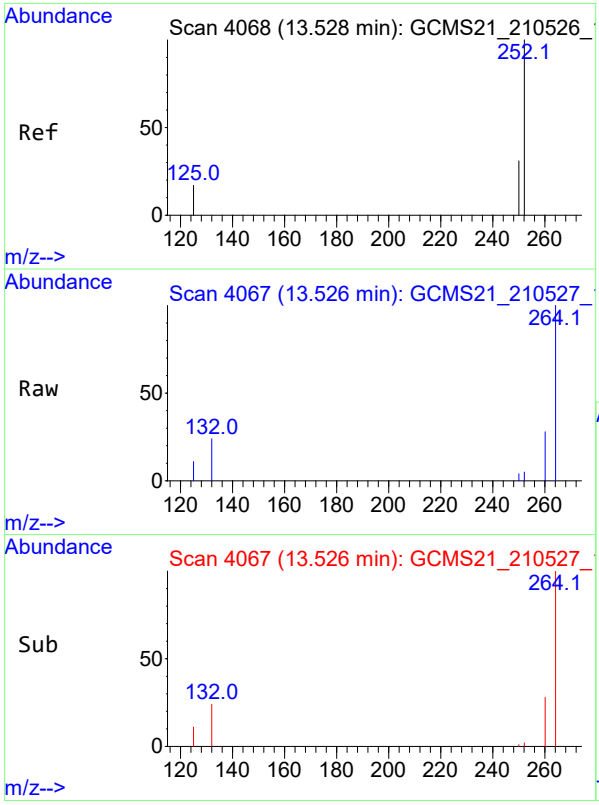


#27
Benzo(a)pyrene
Concen: 0.54 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.002 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:252 Resp: 700

Ion	Ratio	Lower	Upper
252	100		
250	33.9	0.0	56.4
125	19.7	0.0	41.7

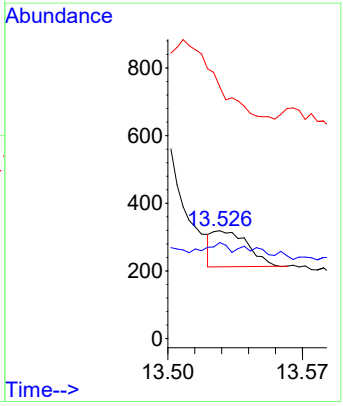


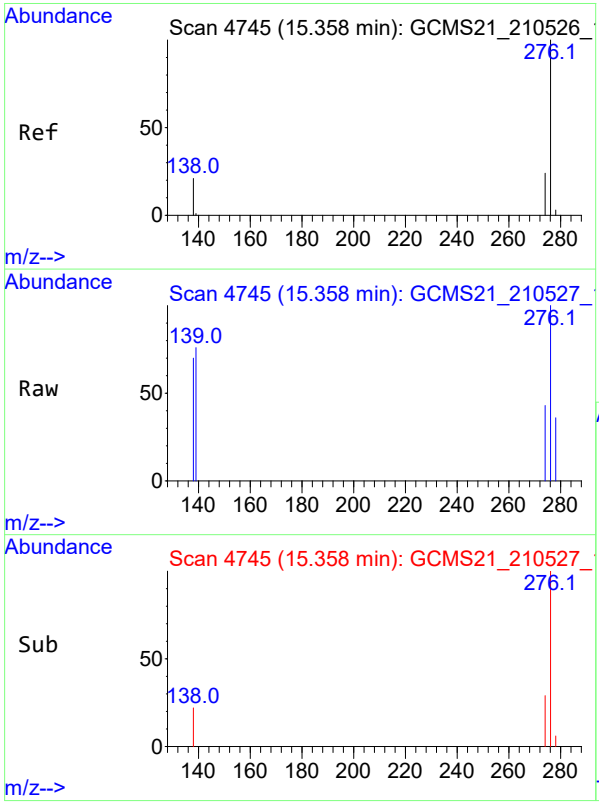


#28
Perylene
Concen: Below Cal
RT: 13.526 min Scan# 4067
Delta R.T. -0.002 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:252 Resp: 125

Ion	Ratio	Lower	Upper
252	100		
250	0.0	1.5	61.5#
125	316.8	0.0	46.6#

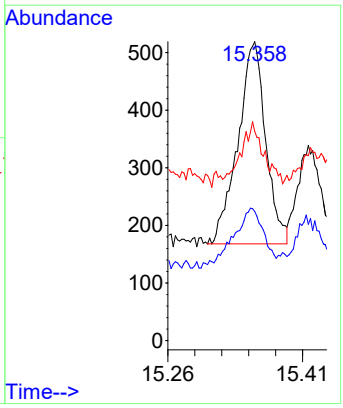


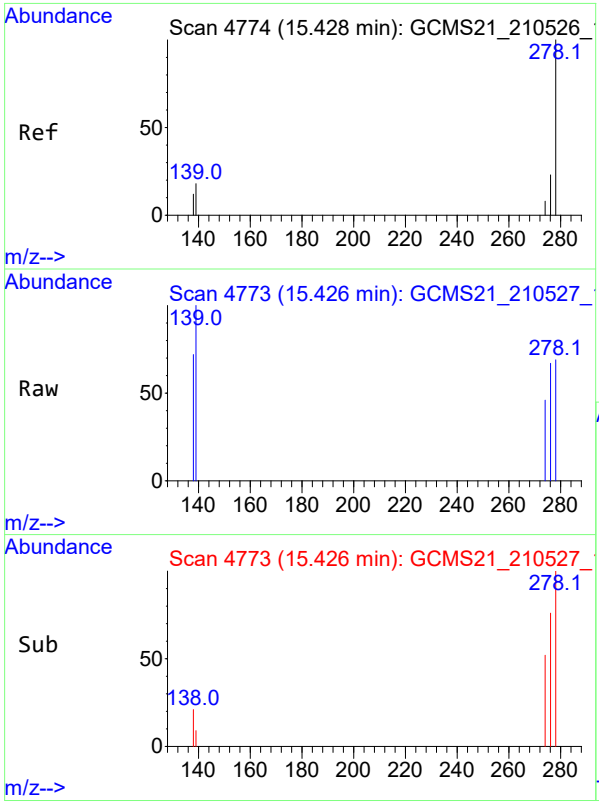


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.69 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:276 Resp: 763

Ion	Ratio	Lower	Upper
276	100		
274	32.6	0.0	53.8
138	18.7	0.0	50.7

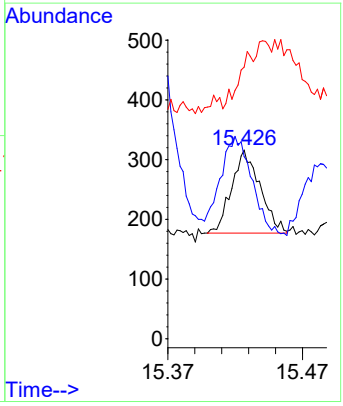


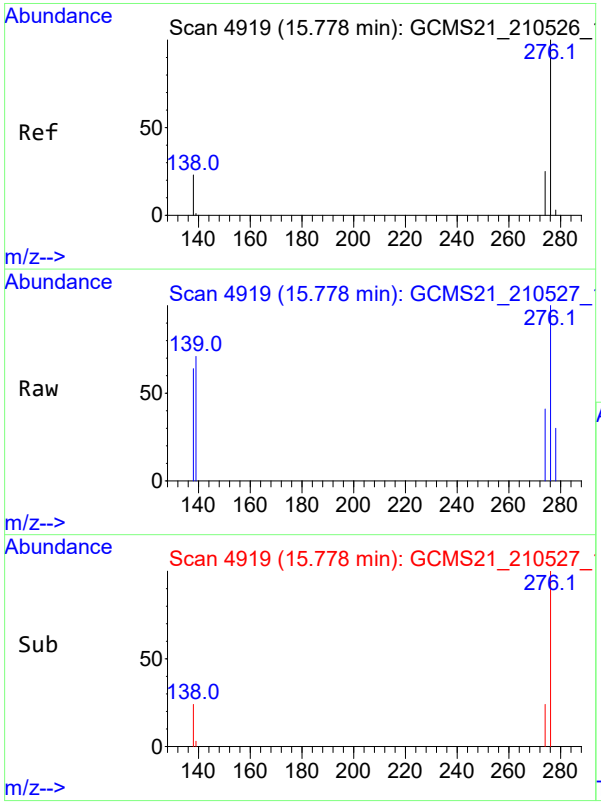


#30
Dibenz(a,h)anthracene
Concen: 0.20 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. -0.002 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:278 Resp: 217

Ion	Ratio	Lower	Upper
278	100		
276	130.0	0.0	52.8#
139	47.0	0.0	47.6

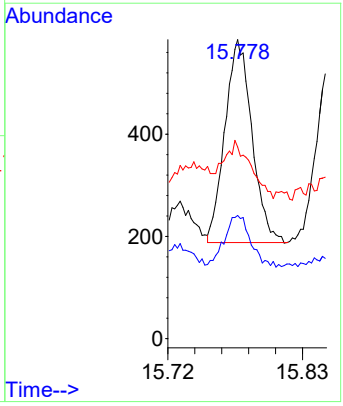




#31
Benzo(g,h,i)perylene
Concen: 0.45 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. -0.000 min
Lab File: GCMS21_210527_14.D
Acq: 27 May 2021 17:30

Tgt Ion:276 Resp: 655

Ion	Ratio	Lower	Upper
276	100		
274	24.3	0.0	54.8
138	28.4	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_15.D
Acq On : 27 May 2021 17:55
Operator : MN GCMS21
Sample : 2105001-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 11:32:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

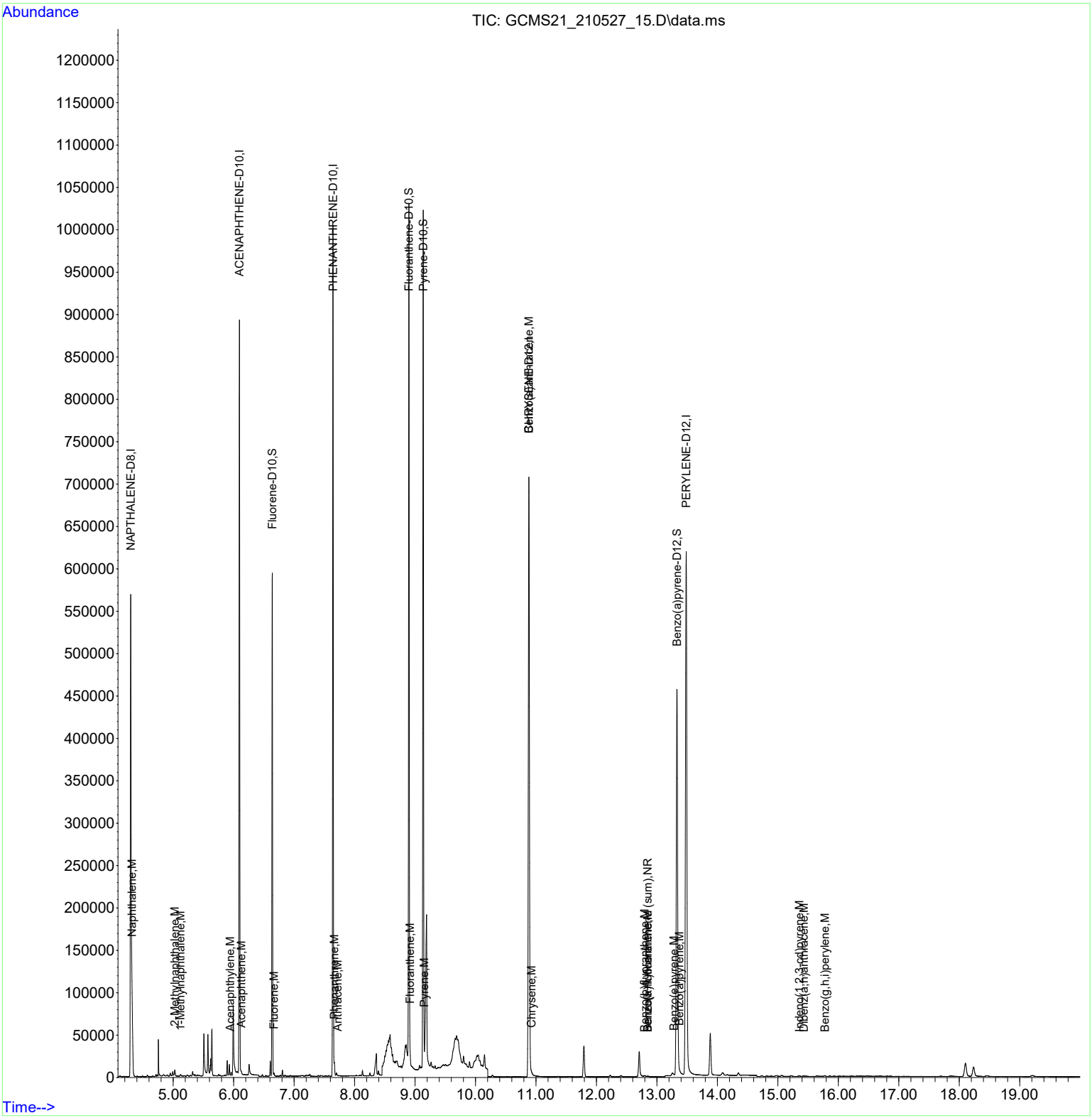
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	582741	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	337577	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	685334	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.882	240	720015	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	689511	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.639	176	229576	284.06	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	604401	407.29	ng/mL	0.00
17) Pyrene-D10	9.135	212	641036	390.22	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	511330	456.44	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.319	128	20718	18.53	ng/mL	99
4) 2-Methylnaphthalene	5.028	142	2301	2.79	ng/mL	90
5) 1-Methylnaphthalene	5.124	142	934	1.36	ng/mL	95
7) Acenaphthylene	5.942	152	421	0.38	ng/mL#	1
8) Acenaphthene	6.126	153	721	0.84	ng/mL#	1
10) Fluorene	6.668	166	1120	1.18	ng/mL	75
12) Phenanthrene	7.667	178	7423	4.49	ng/mL	97
13) Anthracene	7.719	178	416	0.30	ng/mL#	1
15) Fluoranthene	8.916	202	6766	3.88	ng/mL	84
18) Pyrene	9.153	202	2980	1.55	ng/mL#	56
19) Benzo(a)anthracene	10.882	228	3635	2.51	ng/mL	73
20) Chrysene	10.925	228	1225	0.69	ng/mL	84
22) Benzo(b)fluoranthene	12.797	252	2064	1.44	ng/mL	90
23) Benzo(k)fluoranthene	12.849	252	882	0.56	ng/mL	92
24) benzo(b+k)fluoranthene...	12.849	252	900	0.58	ng/mL	94
25) Benzo(e)pyrene	13.280	252	1143	0.79	ng/mL#	49
27) Benzo(a)pyrene	13.374	252	763	0.58	ng/mL#	81
28) Perylene	0.000		0	N.D.	d	
29) Indeno(1,2,3-cd)pyrene	15.358	276	981	0.88	ng/mL	94
30) Dibenz(a,h)anthracene	15.428	278	295	0.26	ng/mL#	1
31) Benzo(g,h,i)perylene	15.778	276	1016	0.70	ng/mL	95

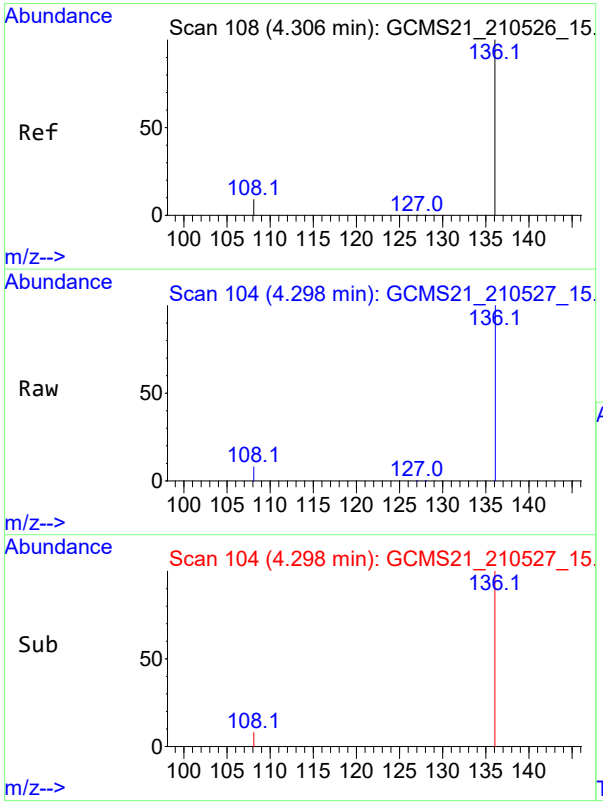
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_15.D
Acq On : 27 May 2021 17:55
Operator : MN GCMS21
Sample : 2105001-12
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 28 11:32:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

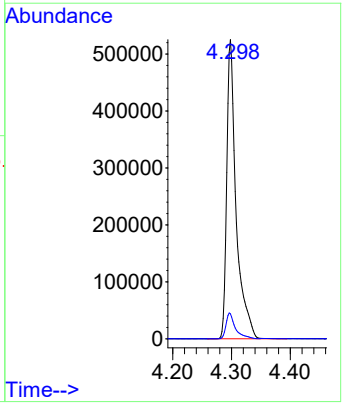


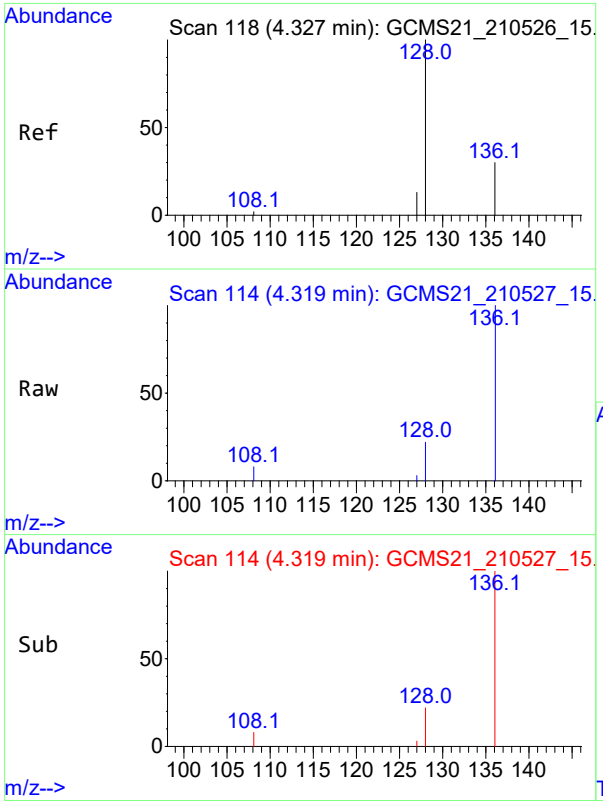


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:136 Resp: 582741

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

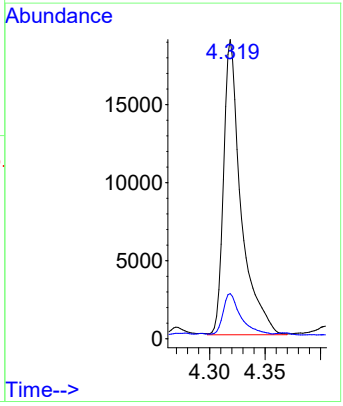


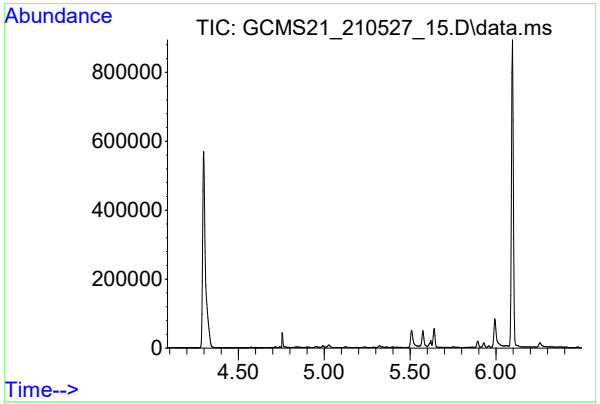


#2
Naphthalene
Concen: 18.53 ng/mL
RT: 4.319 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:128 Resp: 20718

Ion	Ratio	Lower	Upper
128	100		
127	13.7	0.0	43.3



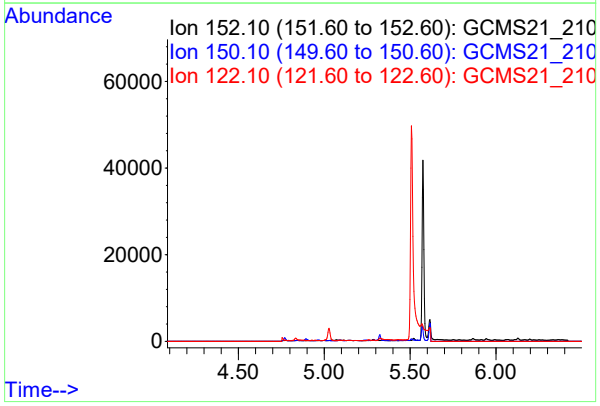


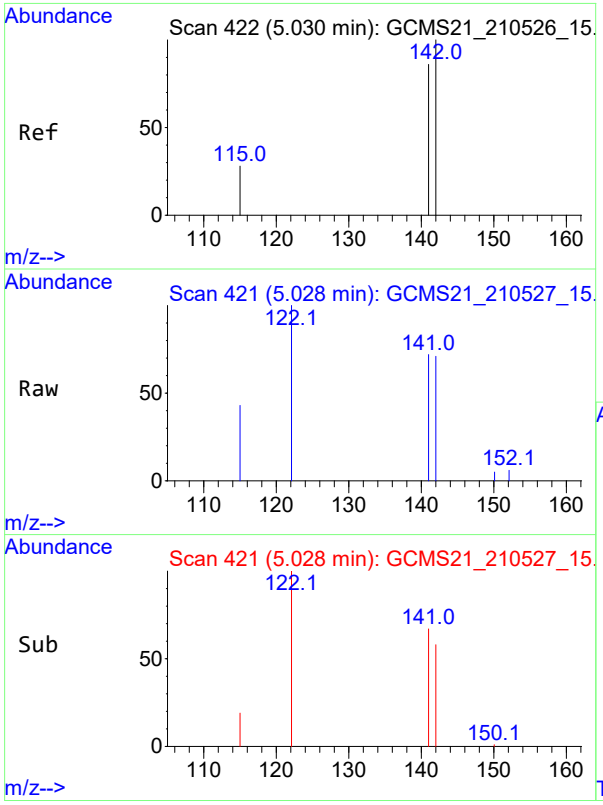
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5

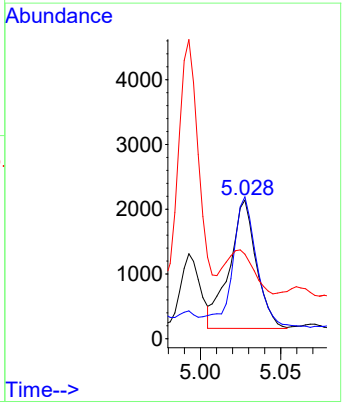


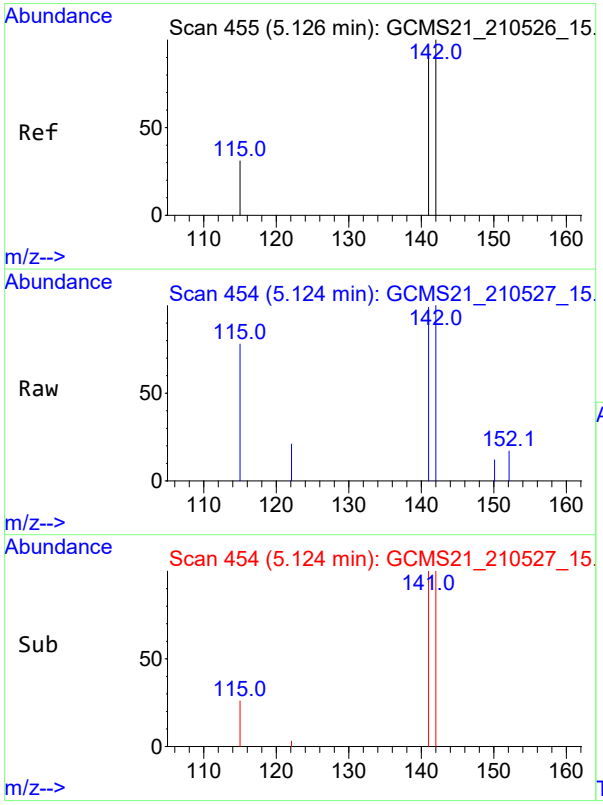


#4
2-Methylnaphthalene
Concen: 2.79 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:142 Resp: 2301

Ion	Ratio	Lower	Upper
142	100		
141	93.3	56.3	116.3
115	37.5	0.0	57.4

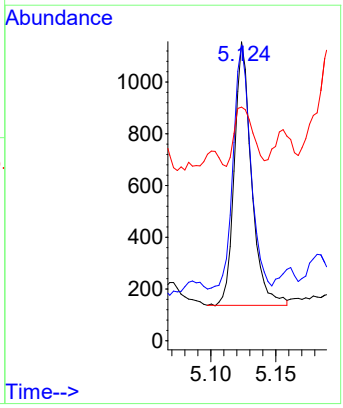


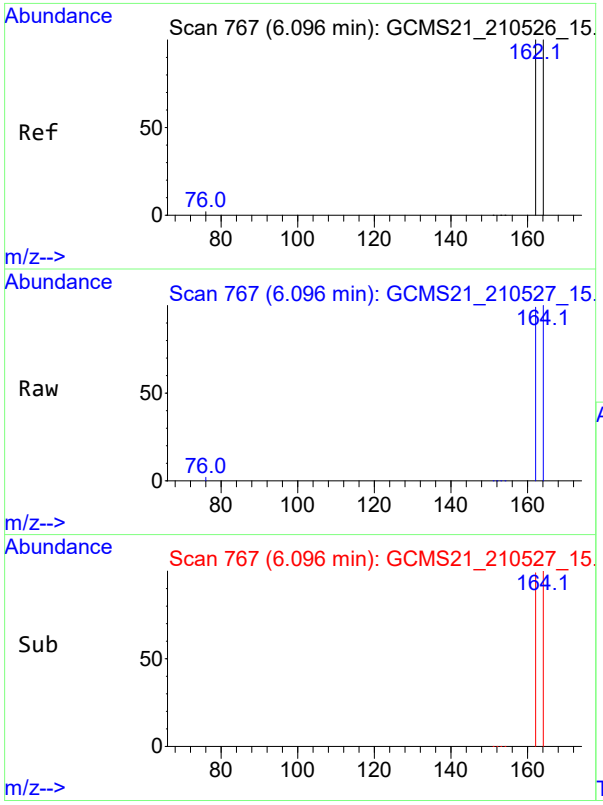


#5
1-Methylnaphthalene
Concen: 1.36 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:142 Resp: 934

Ion	Ratio	Lower	Upper
142	100		
141	94.0	61.5	121.5
115	24.2	0.2	60.2

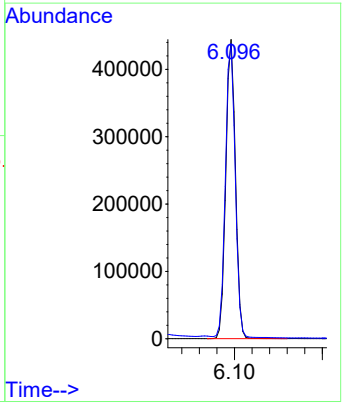


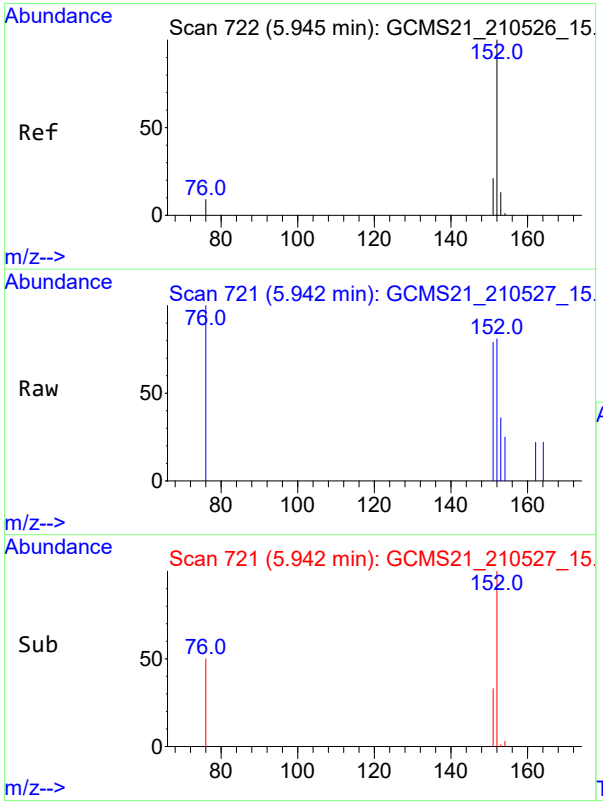


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:164 Resp: 337577

Ion	Ratio	Lower	Upper
164	100		
162	101.6	77.7	117.7

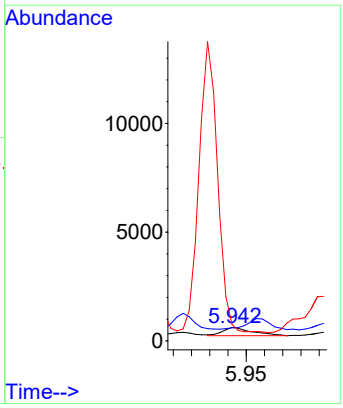


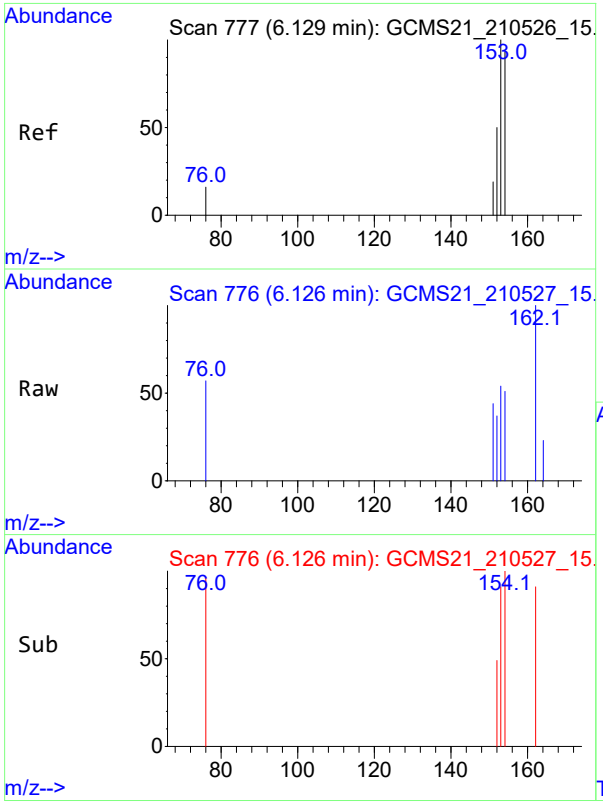


#7
Acenaphthylene
Concen: 0.38 ng/mL
RT: 5.942 min Scan# 721
Delta R.T. -0.003 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:152 Resp: 421

Ion	Ratio	Lower	Upper
152	100		
151	115.4	0.0	52.0#
76	2288.4	0.0	39.5#

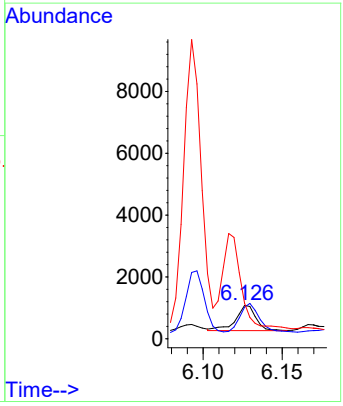


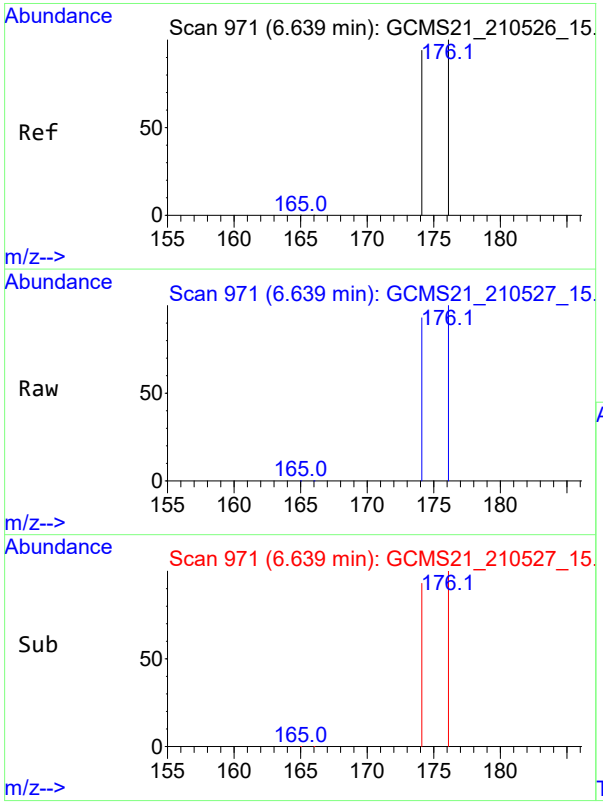


#8
Acenaphthene
Concen: 0.84 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:153 Resp: 721

Ion	Ratio	Lower	Upper
153	100		
154	109.4	60.4	120.4
76	348.5	0.0	47.4#

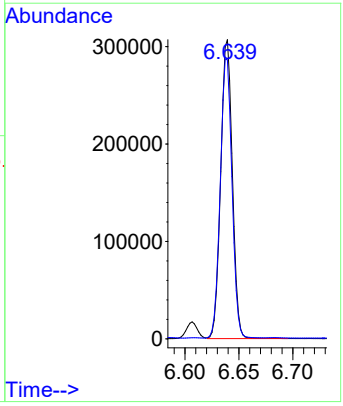


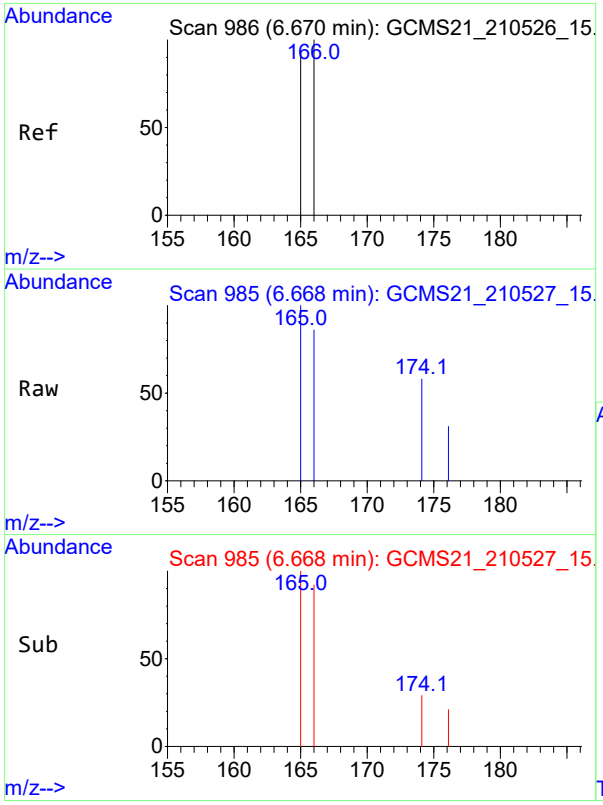


#9
Fluorene-D10
Concen: 284.06 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:176 Resp: 229576

Ion	Ratio	Lower	Upper
176	100		
174	94.7	63.9	123.9

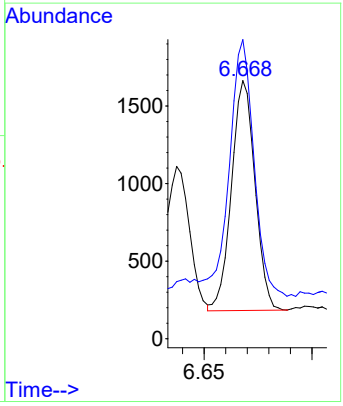


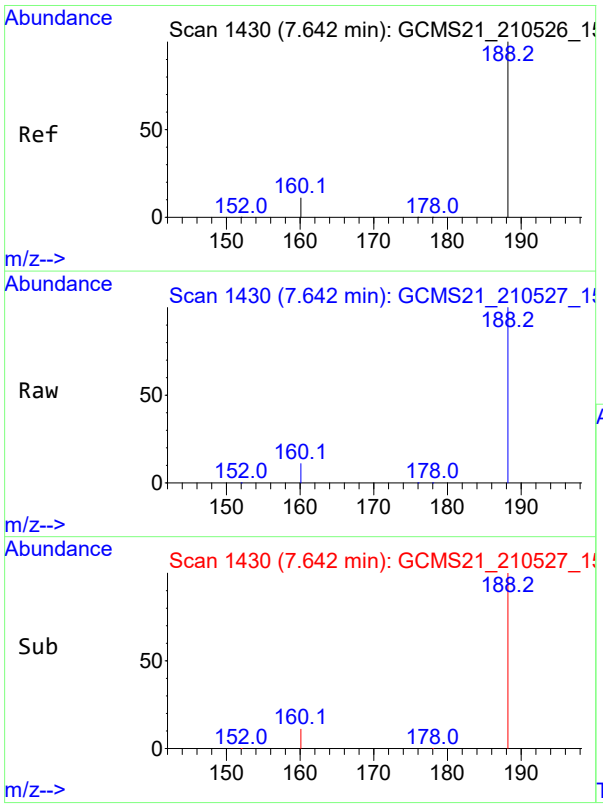


#10
Fluorene
Concen: 1.18 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:166 Resp: 1120

Ion	Ratio	Lower	Upper
166	100		
165	119.6	65.1	125.1

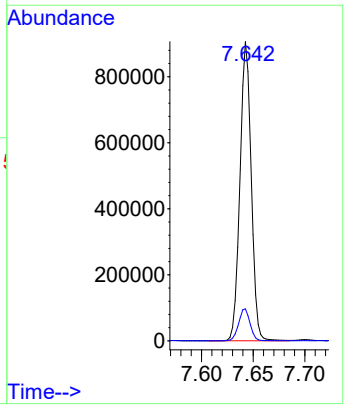


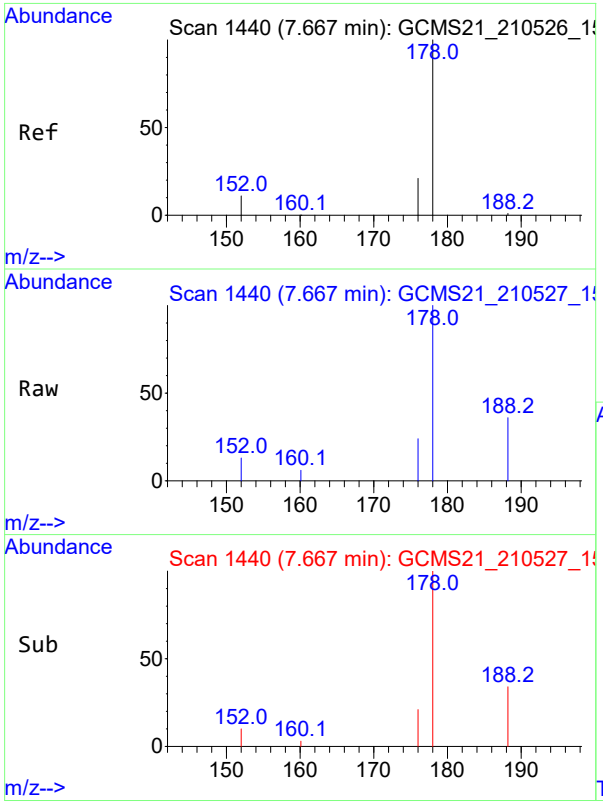


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:188 Resp: 685334

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	39.8

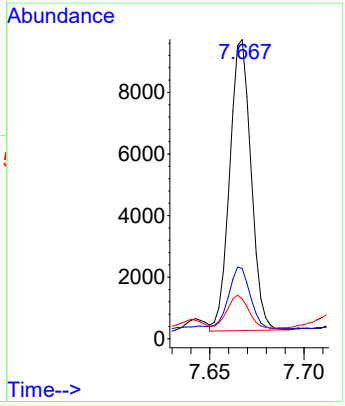


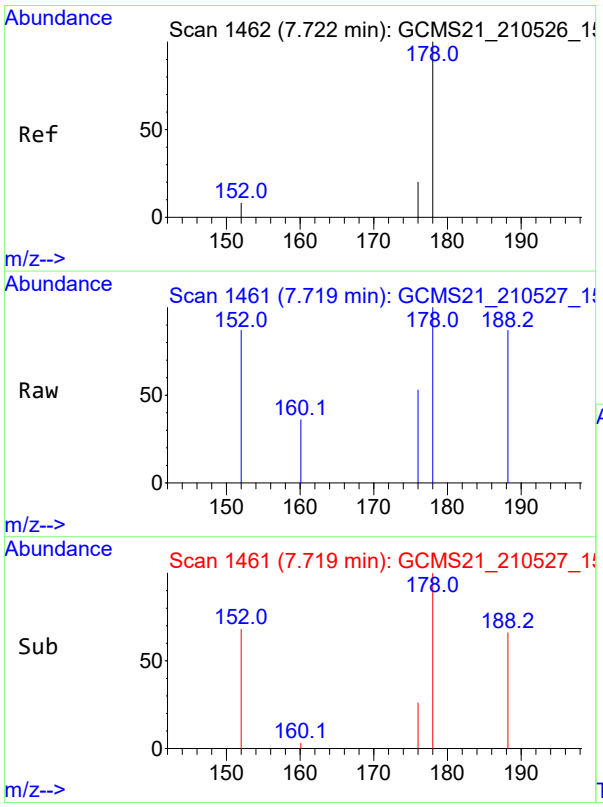


#12
Phenanthrene
Concen: 4.49 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:178 Resp: 7423

Ion	Ratio	Lower	Upper
178	100		
176	22.6	0.0	50.9
152	11.2	0.0	40.5

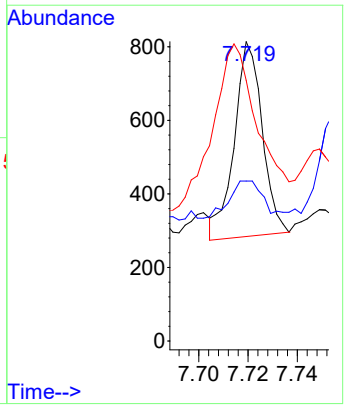


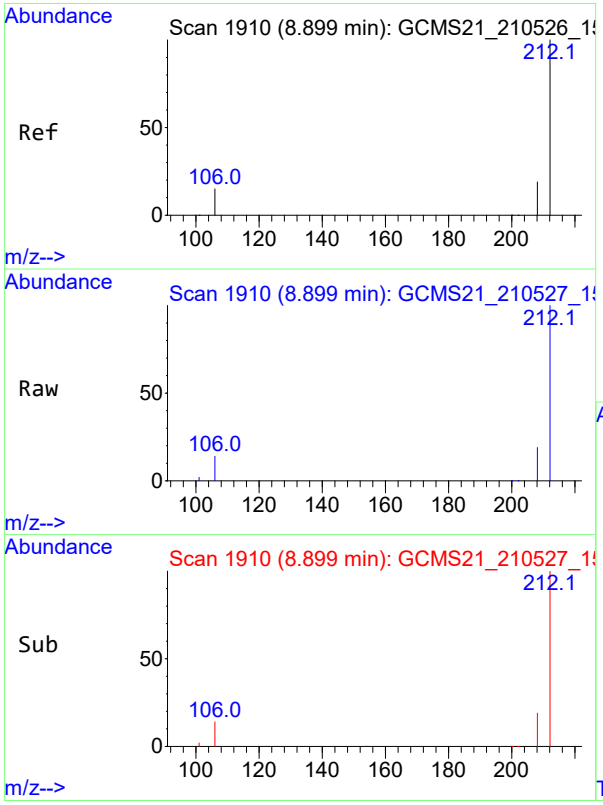


#13
Anthracene
Concen: 0.30 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:178 Resp: 416

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	50.2
152	147.1	0.0	38.2#

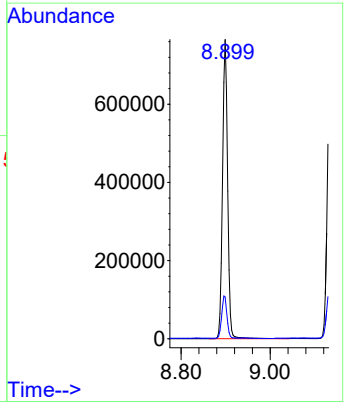


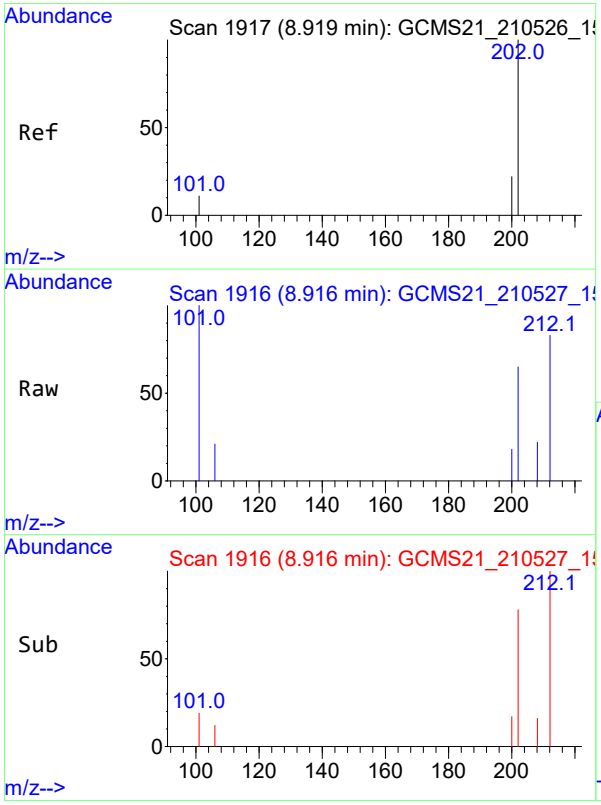


#14
Fluoranthene-D10
Concen: 407.29 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:212 Resp: 604401

Ion	Ratio	Lower	Upper
212	100		
106	14.6	0.0	44.9

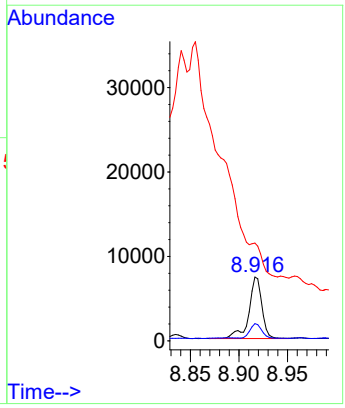


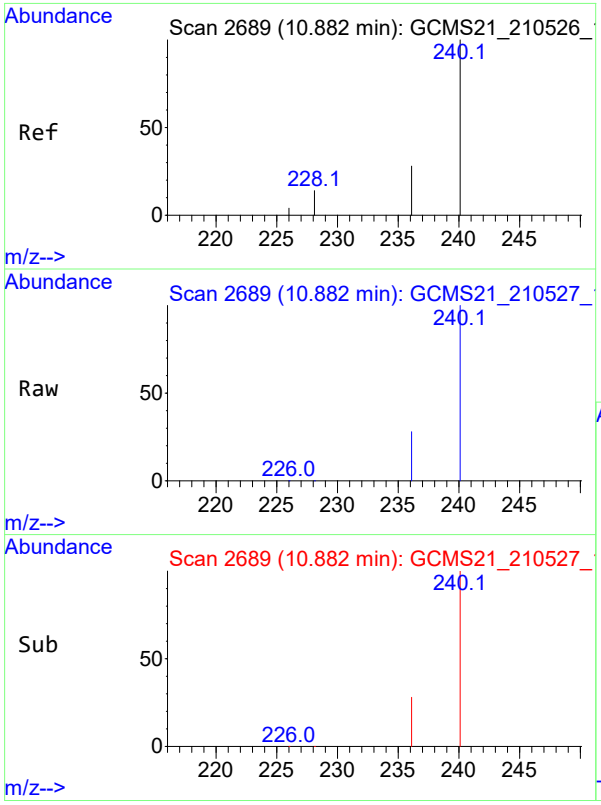


#15
Fluoranthene
Concen: 3.88 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:202 Resp: 6766

Ion	Ratio	Lower	Upper
202	100		
200	21.5	0.0	52.4
101	28.2	0.0	41.1

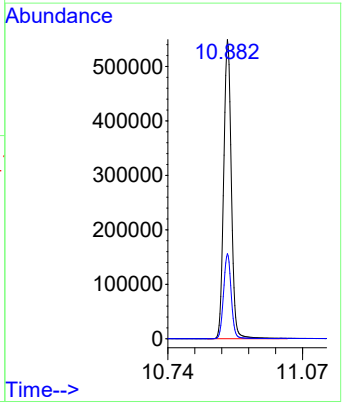


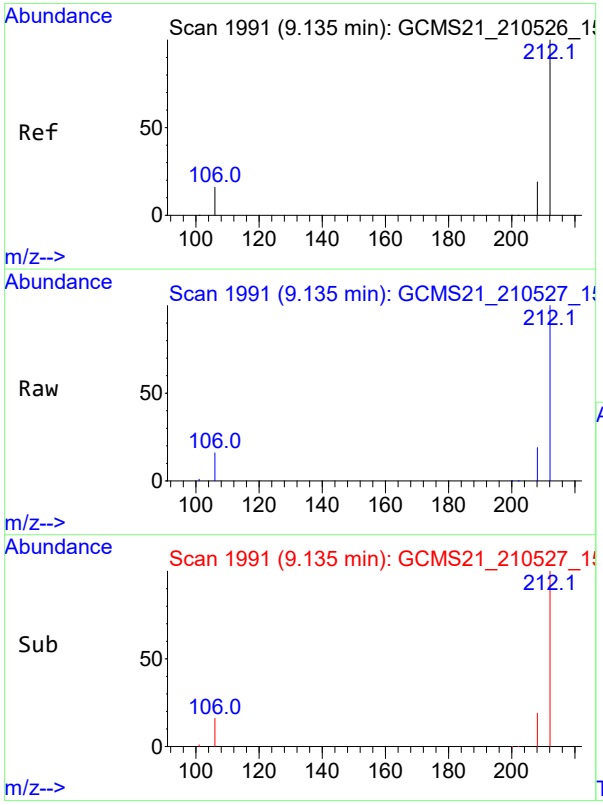


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:240 Resp: 720015

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.6

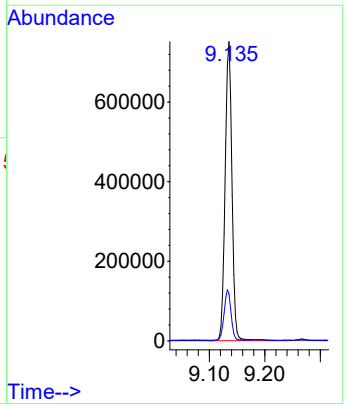


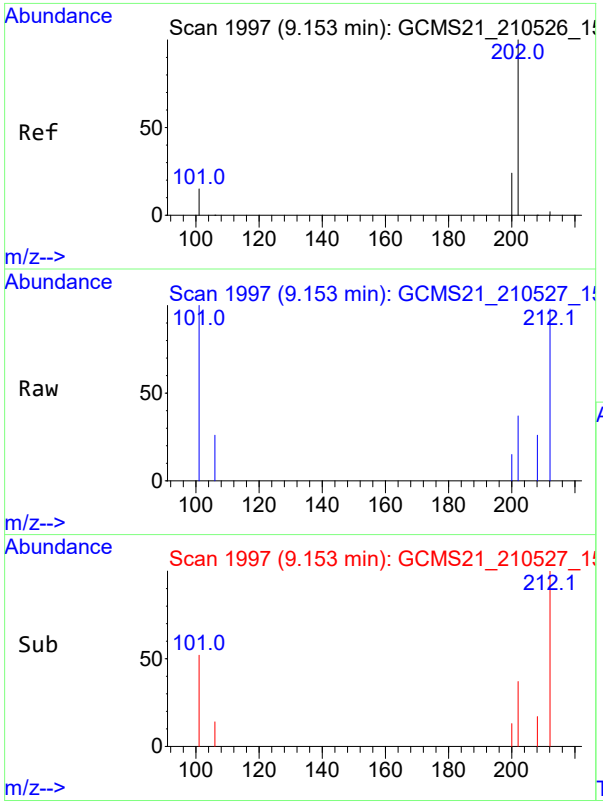


#17
Pyrene-D10
Concen: 390.22 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:212 Resp: 641036

Ion	Ratio	Lower	Upper
212	100		
106	17.0	0.0	46.2

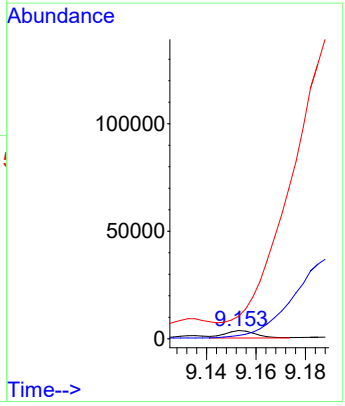


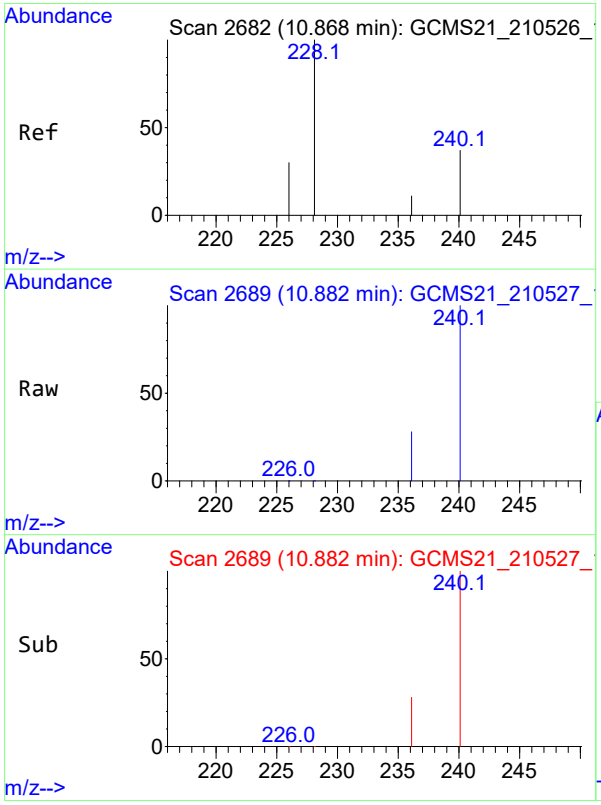


#18
Pyrene
Concen: 1.55 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:202 Resp: 2980

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

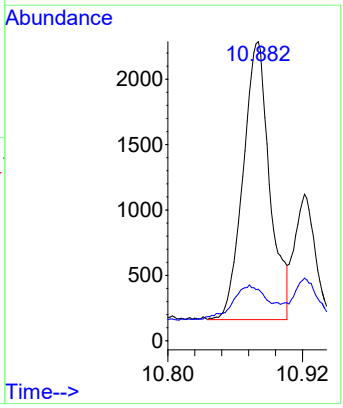


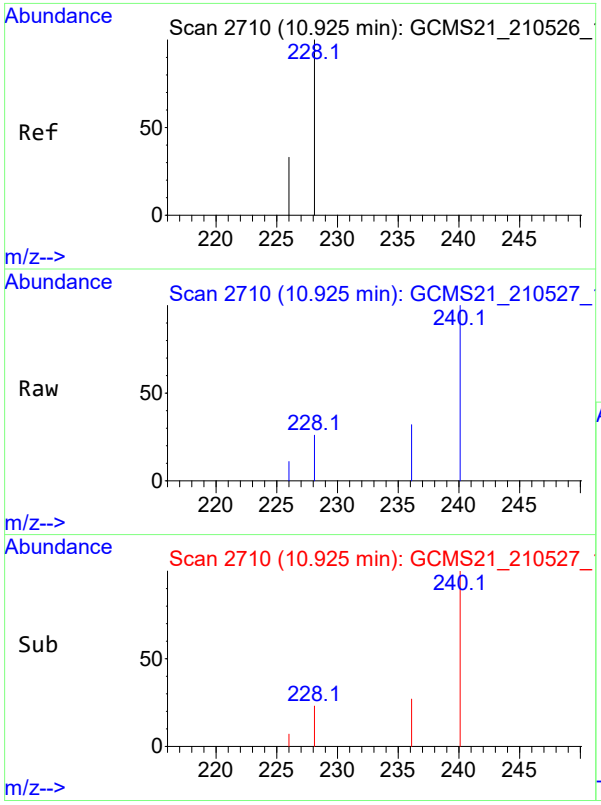


#19
Benzo(a)anthracene
Concen: 2.51 ng/mL
RT: 10.882 min Scan# 2689
Delta R.T. 0.014 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:228 Resp: 3635

Ion	Ratio	Lower	Upper
228	100		
226	15.0	0.0	59.8

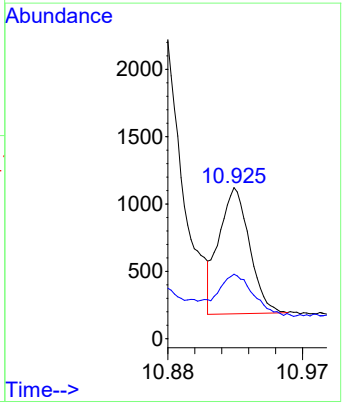


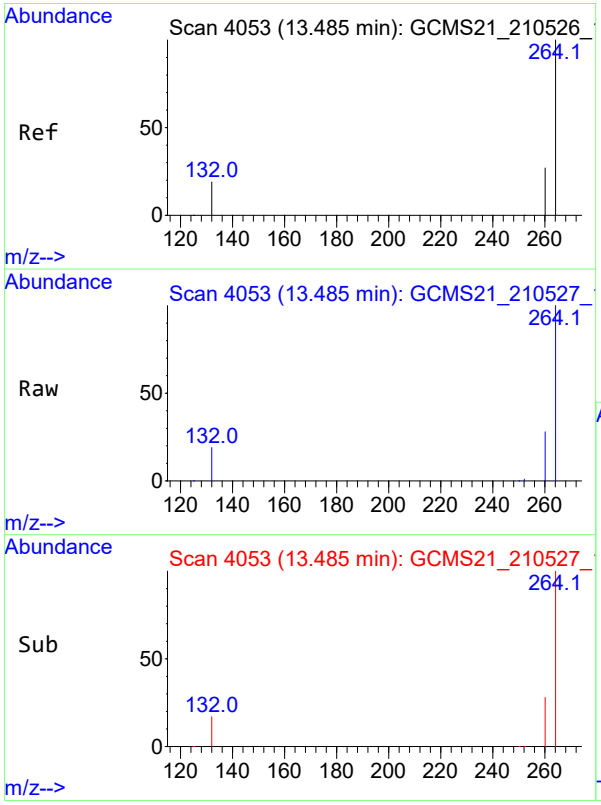


#20
Chrysene
Concen: 0.69 ng/mL
RT: 10.925 min Scan# 2710
Delta R.T. 0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:228 Resp: 1225

Ion	Ratio	Lower	Upper
228	100		
226	41.6	2.8	62.8

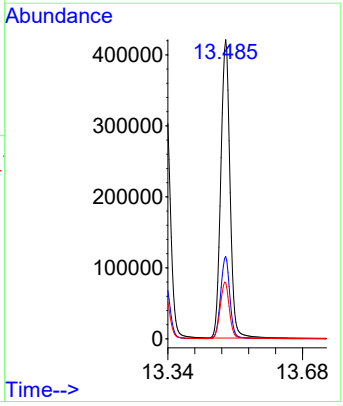


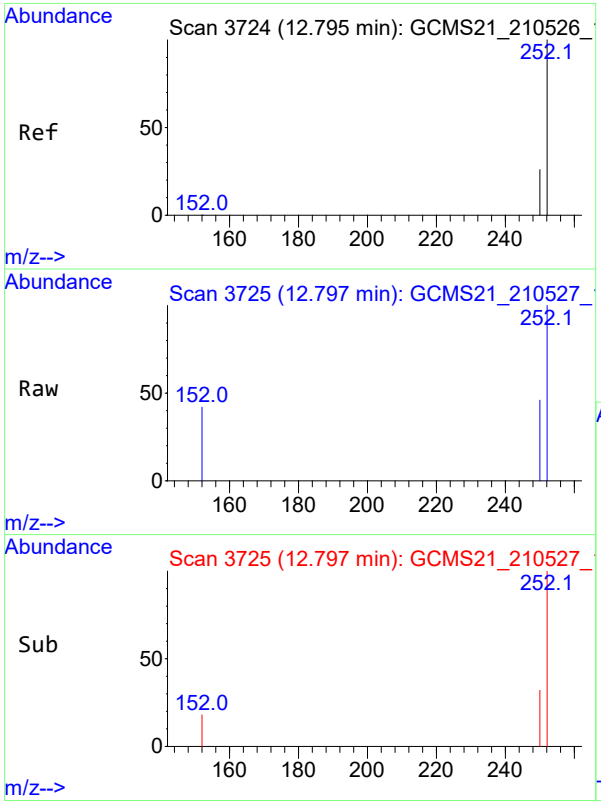


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:264 Resp: 689511

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.0	0.0	49.5

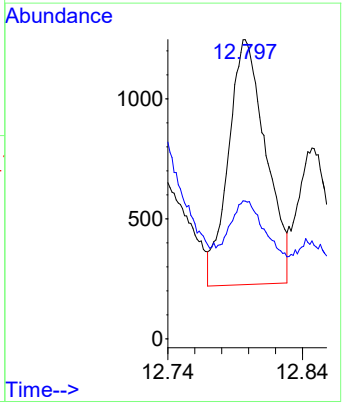


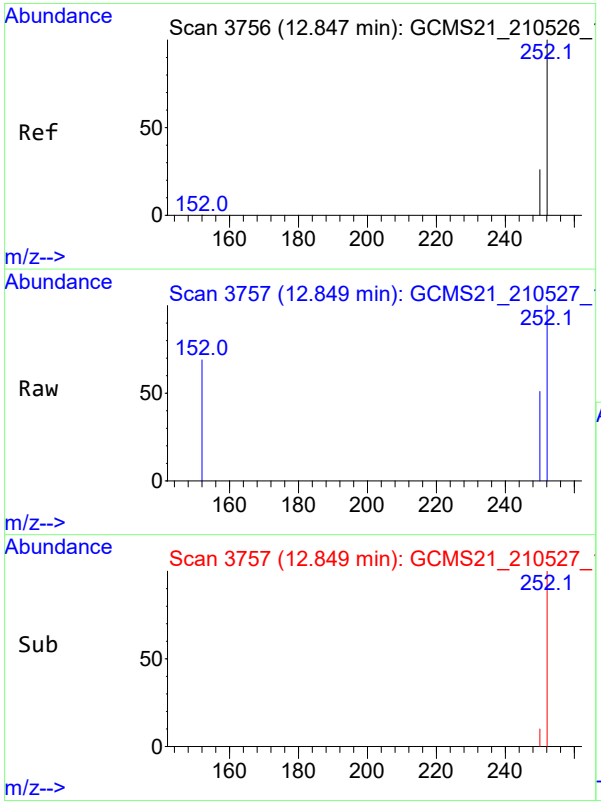


#22
Benzo(b)fluoranthene
Concen: 1.44 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:252 Resp: 2064

Ion	Ratio	Lower	Upper
252	100		
250	31.3	0.0	56.2

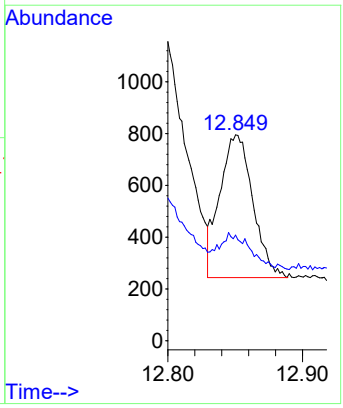


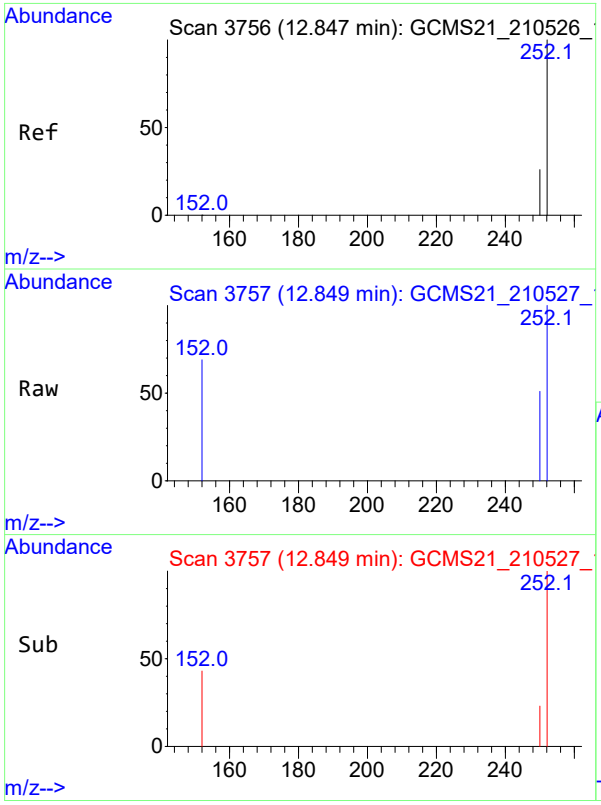


#23
Benzo(k)fluoranthene
Concen: 0.56 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:252 Resp: 882

Ion	Ratio	Lower	Upper
252	100		
250	21.5	0.0	55.6

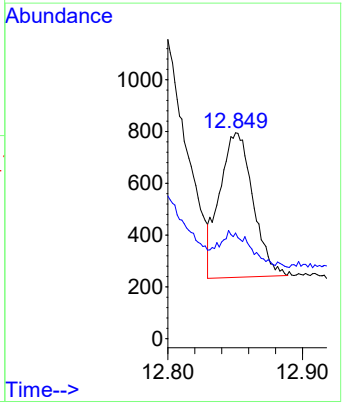


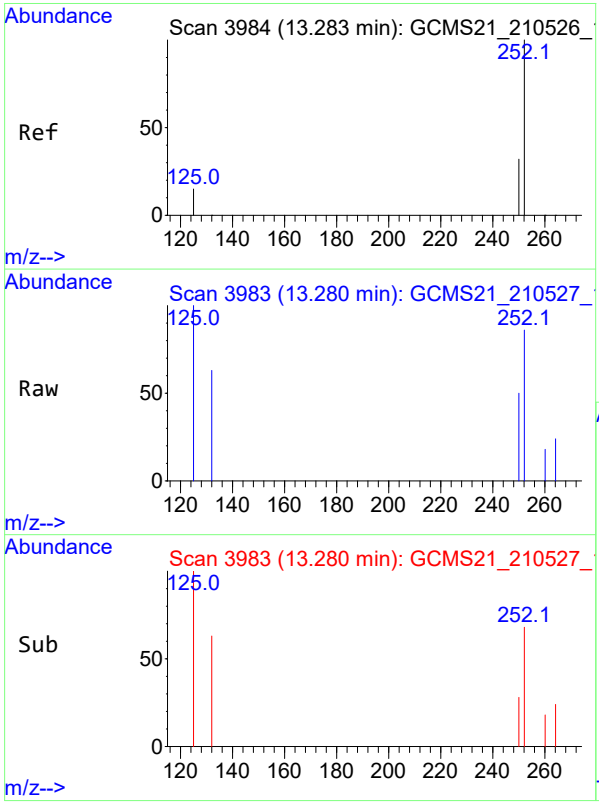


#24
benzo(b+k)fluoranthene (sum)
Concen: 0.58 ng/mL
RT: 12.849 min Scan# 3757
Delta R.T. 0.002 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:252 Resp: 900

Ion	Ratio	Lower	Upper
252	100		
250	22.3	0.0	55.6

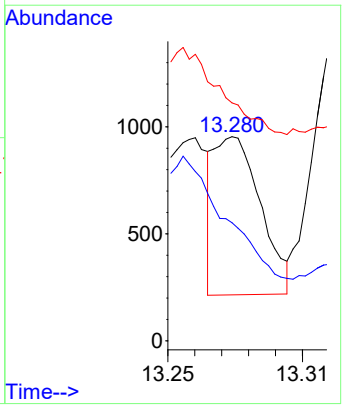


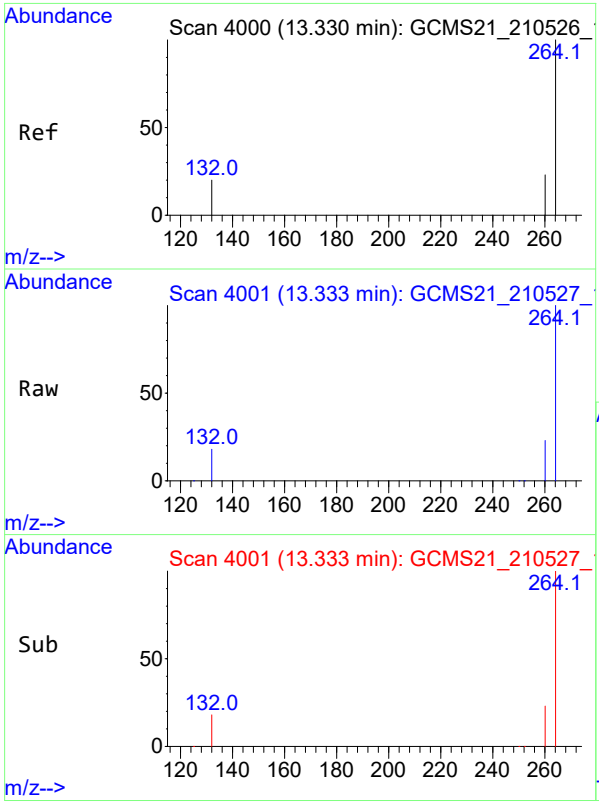


#25
Benzo(e)pyrene
Concen: 0.79 ng/mL
RT: 13.280 min Scan# 3983
Delta R.T. -0.003 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:252 Resp: 1143

Ion	Ratio	Lower	Upper
252	100		
250	0.0	2.2	62.2#
125	0.0	0.0	45.4

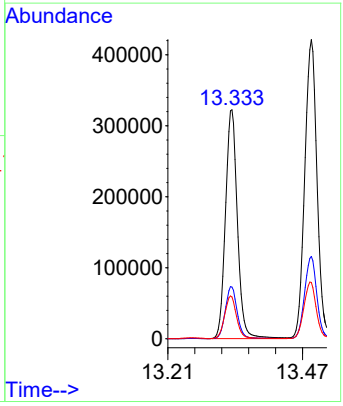


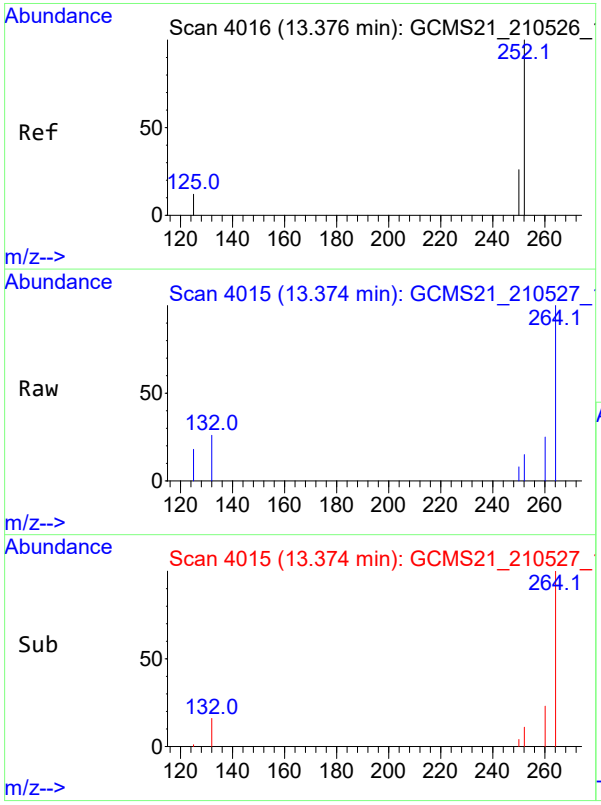


#26
Benzo(a)pyrene-D12
Concen: 456.44 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:264 Resp: 511330

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.4	0.0	49.7

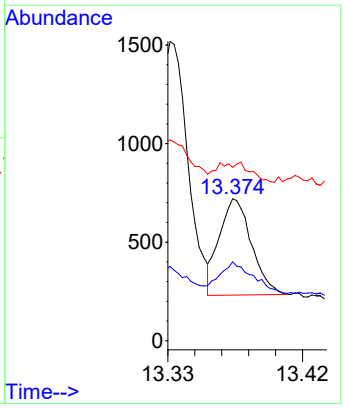


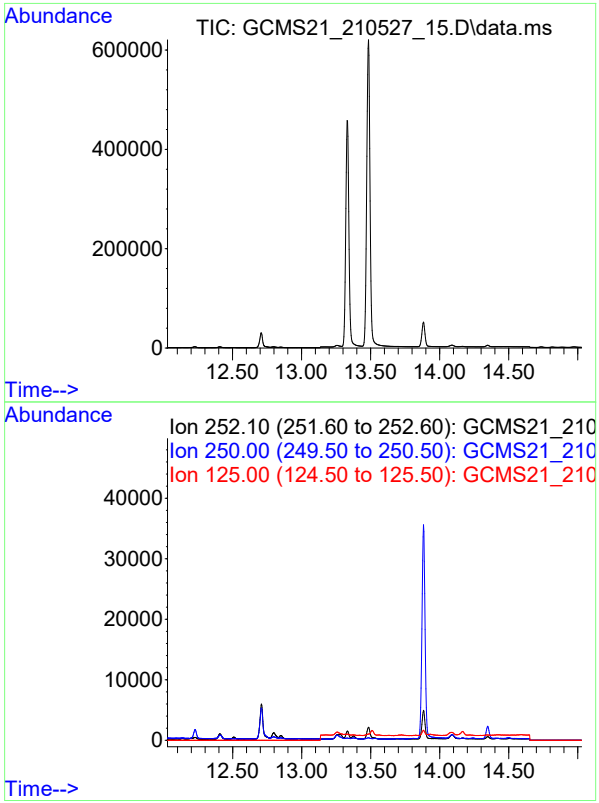


#27
Benzo(a)pyrene
Concen: 0.58 ng/mL
RT: 13.374 min Scan# 4015
Delta R.T. -0.002 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:252 Resp: 763

Ion	Ratio	Lower	Upper
252	100		
250	33.7	0.0	56.4
125	0.0	0.0	41.7



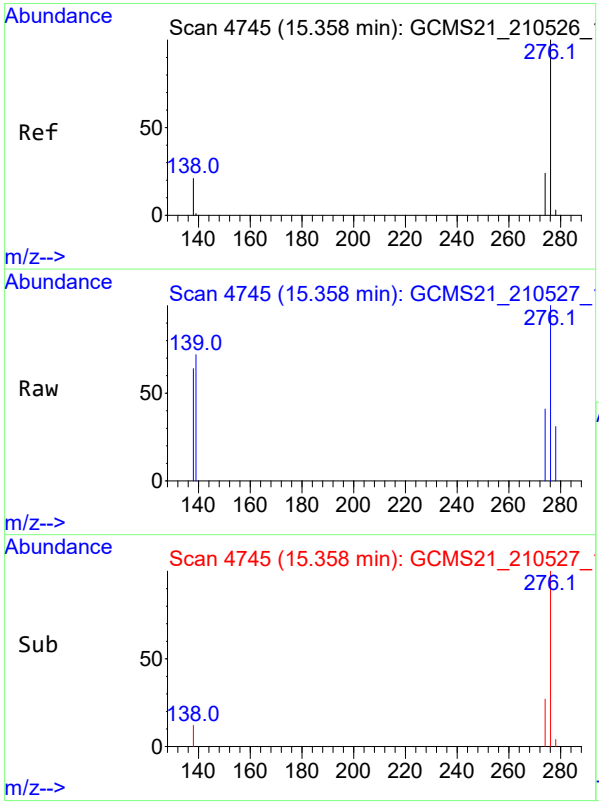


#28
Perylene
Concen: N.D.
Expected RT: 13.53 min

Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion: 252

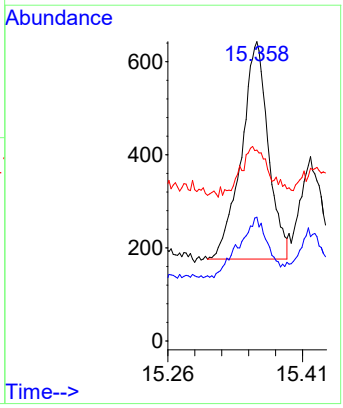
Sig	Exp Ratio
252	100
250	31.5
125	16.6

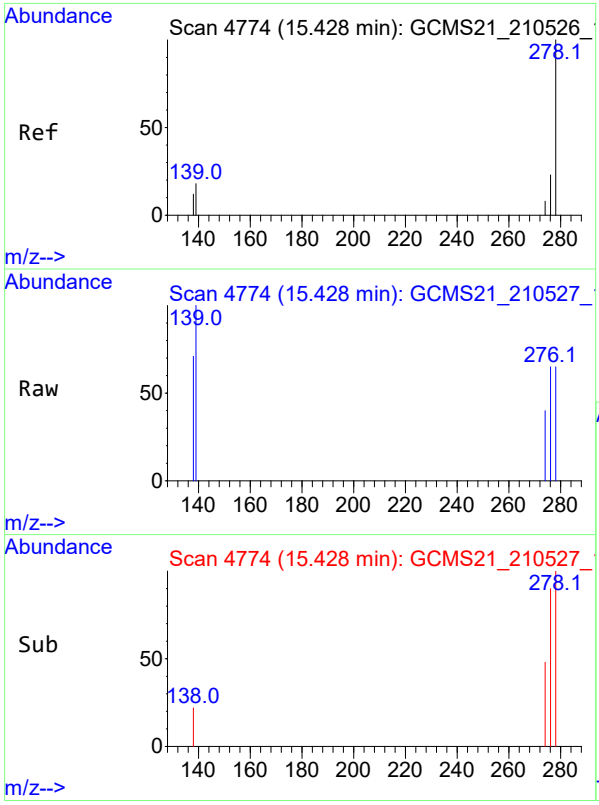


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.88 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:276 Resp: 981

Ion	Ratio	Lower	Upper
276	100		
274	29.6	0.0	53.8
138	20.5	0.0	50.7

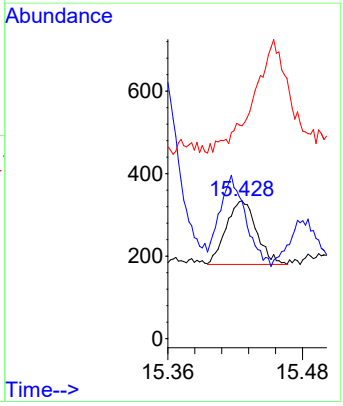


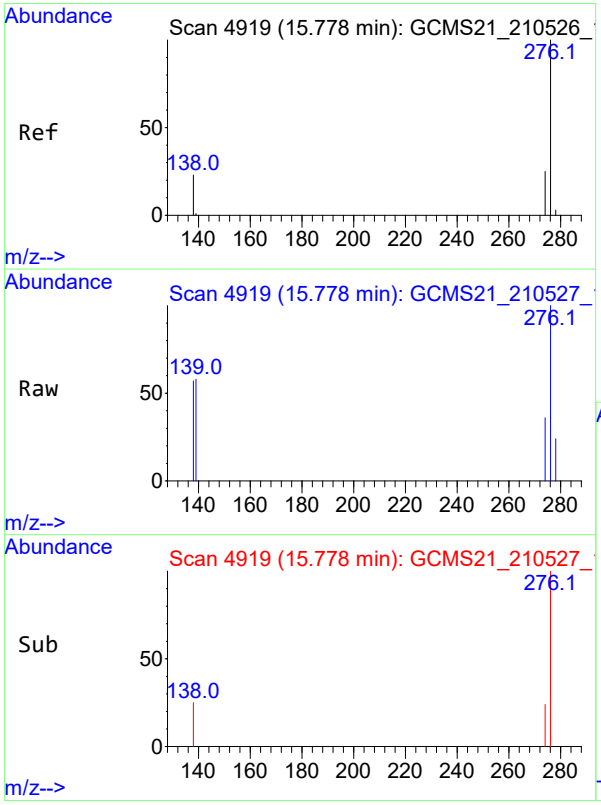


#30
Dibenz(a,h)anthracene
Concen: 0.26 ng/mL
RT: 15.428 min Scan# 4774
Delta R.T. 0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:278 Resp: 295

Ion	Ratio	Lower	Upper
278	100		
276	128.5	0.0	52.8#
139	0.0	0.0	47.6

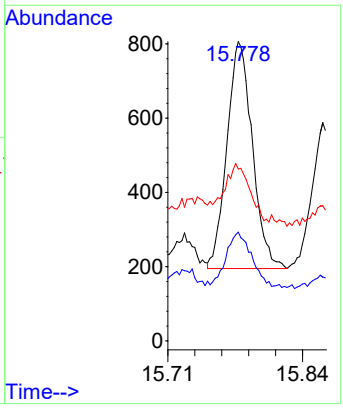




#31
Benzo(g,h,i)perylene
Concen: 0.70 ng/mL
RT: 15.778 min Scan# 4919
Delta R.T. -0.000 min
Lab File: GCMS21_210527_15.D
Acq: 27 May 2021 17:55

Tgt Ion:276 Resp: 1016

Ion	Ratio	Lower	Upper
276	100		
274	23.3	0.0	54.8
138	26.8	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_16.D
Acq On : 27 May 2021 18:20
Operator : MN GCMS21
Sample : 2105001-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 28 11:32:47 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

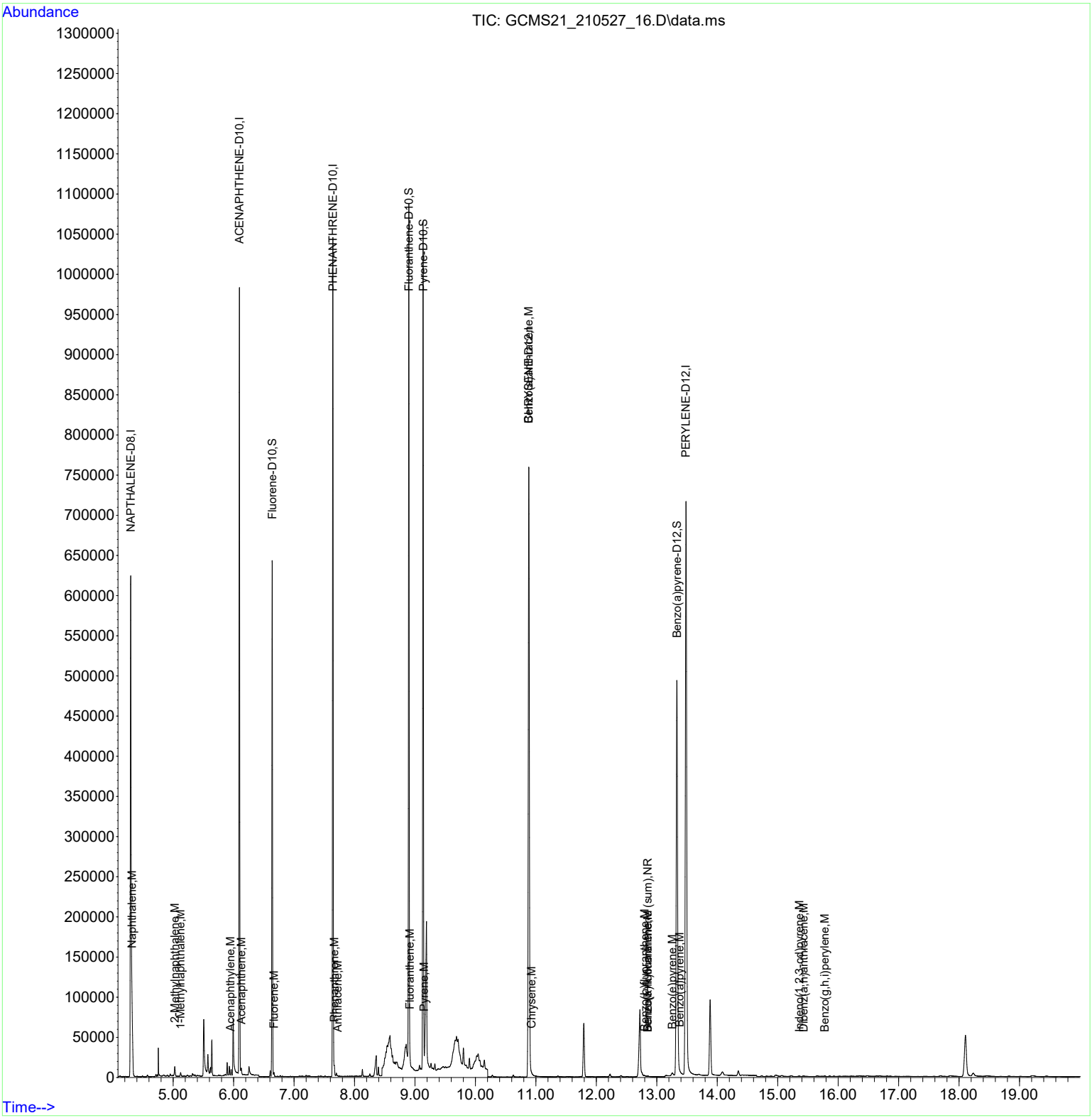
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	622522	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	360622	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.643	188	729785	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.883	240	768189	500.00	ng/mL	0.00
21) PERYLENE-D12	13.483	264	759069	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.639	176	250513	290.15	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	629285	398.23	ng/mL	0.00
17) Pyrene-D10	9.135	212	661108	377.20	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.334	264	553446	448.77	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.319	128	14558	12.19	ng/mL	96
4) 2-Methylnaphthalene	5.028	142	3989	4.53	ng/mL	93
5) 1-Methylnaphthalene	5.124	142	1875	2.56	ng/mL	97
7) Acenaphthylene	5.946	152	418	0.35	ng/mL#	1
8) Acenaphthene	6.126	153	2013	2.20	ng/mL#	58
10) Fluorene	6.668	166	1499	1.48	ng/mL#	62
12) Phenanthrene	7.667	178	6163	3.50	ng/mL	95
13) Anthracene	7.719	178	326	0.22	ng/mL#	1
15) Fluoranthene	8.916	202	2973	1.60	ng/mL#	6
18) Pyrene	9.153	202	2101	1.03	ng/mL#	56
19) Benzo(a)anthracene	10.883	228	3330	2.16	ng/mL	69
20) Chrysene	10.928	228	787	0.41	ng/mL	93
22) Benzo(b)fluoranthene	12.797	252	1618	1.03	ng/mL#	49
23) Benzo(k)fluoranthene	12.852	252	655	0.38	ng/mL#	49
24) benzo(b+k)fluoranthene...	12.852	252	688	0.40	ng/mL#	49
25) Benzo(e)pyrene	13.258	252	2176	1.37	ng/mL#	15
27) Benzo(a)pyrene	13.381	252	636	0.44	ng/mL#	48
28) Perylene	0.000		0	N.D.	d	
29) Indeno(1,2,3-cd)pyrene	15.359	276	706	0.57	ng/mL	91
30) Dibenz(a,h)anthracene	15.427	278	253	0.21	ng/mL#	1
31) Benzo(g,h,i)perylene	15.777	276	678	0.42	ng/mL	88

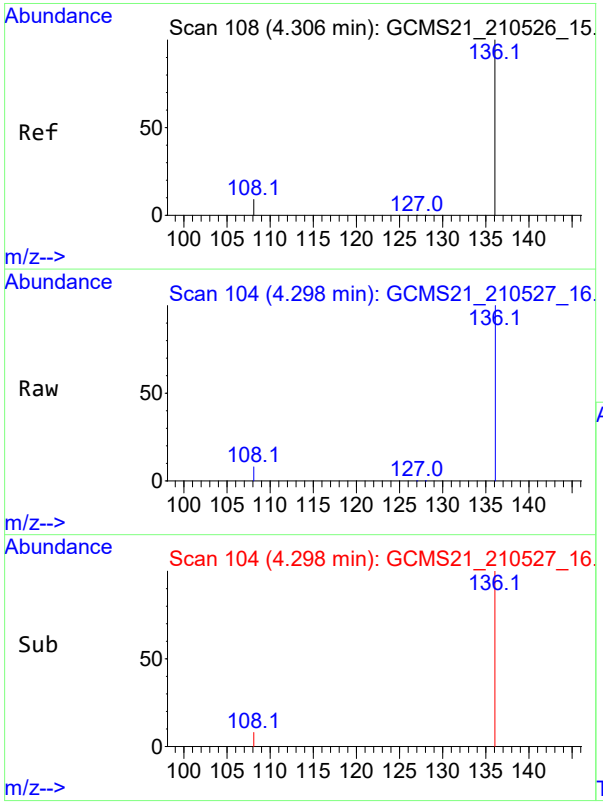
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_16.D
Acq On : 27 May 2021 18:20
Operator : MN GCMS21
Sample : 2105001-13
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 28 11:32:47 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

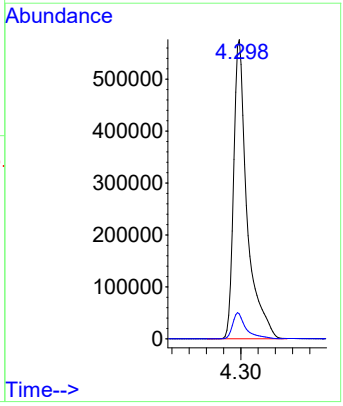


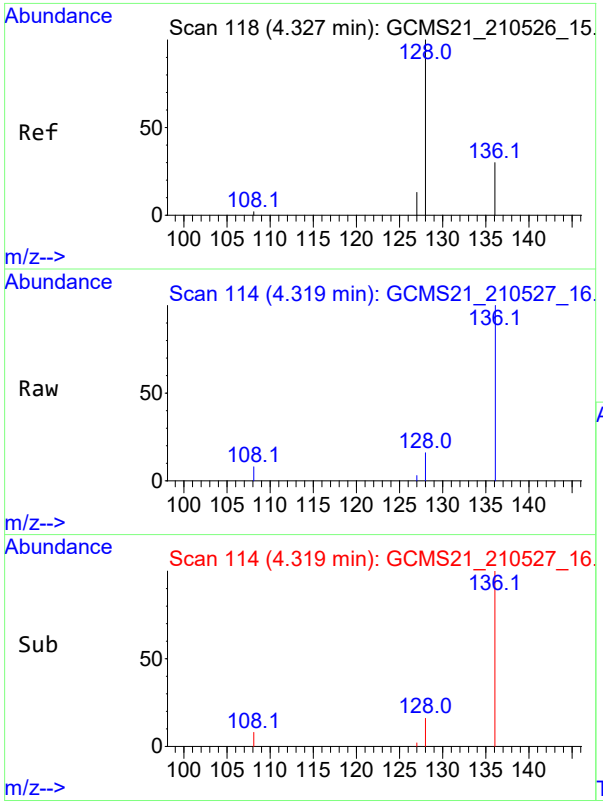


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:136 Resp: 622522

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	28.3

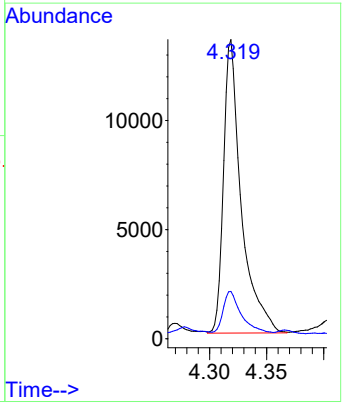


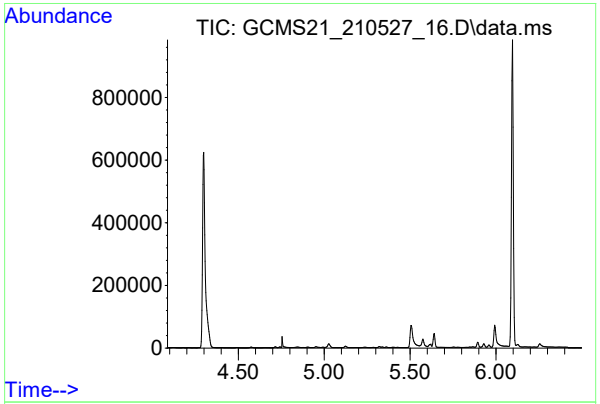


#2
Naphthalene
Concen: 12.19 ng/mL
RT: 4.319 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:128 Resp: 14558

Ion	Ratio	Lower	Upper
128	100		
127	15.1	0.0	43.3



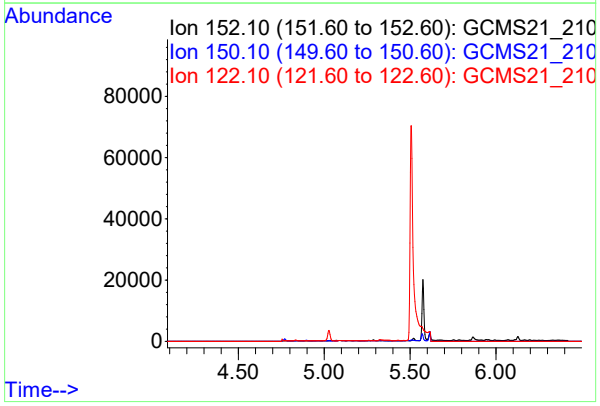


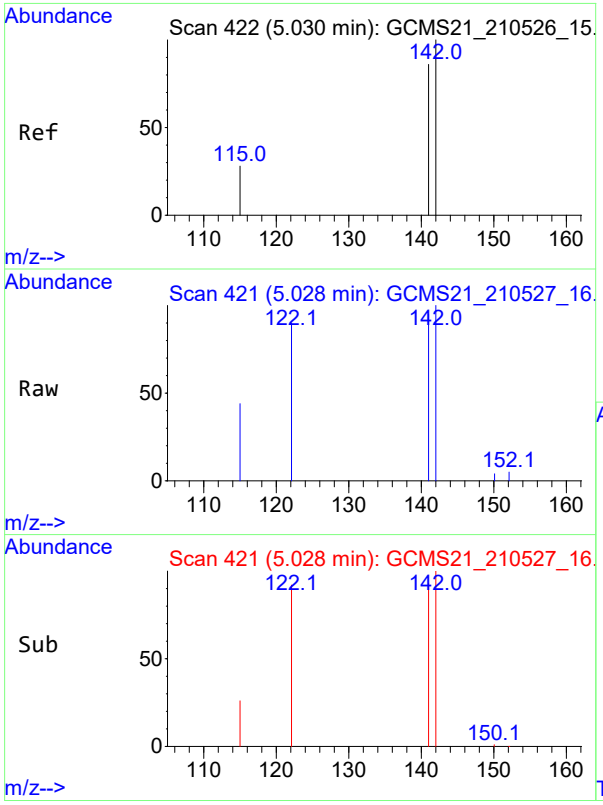
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5

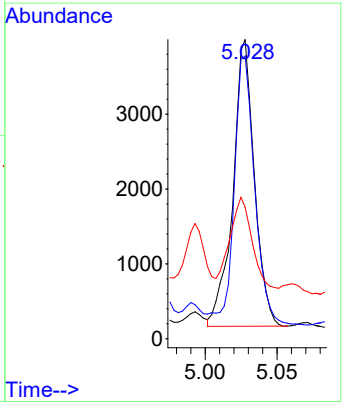


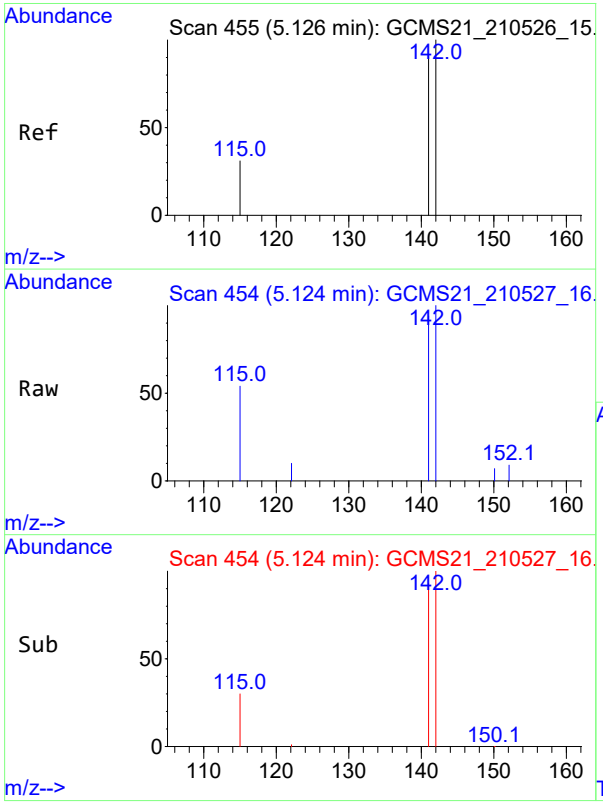


#4
2-Methylnaphthalene
Concen: 4.53 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:142 Resp: 3989

Ion	Ratio	Lower	Upper
142	100		
141	89.5	56.3	116.3
115	35.7	0.0	57.4

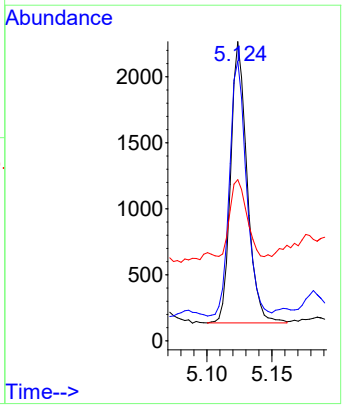


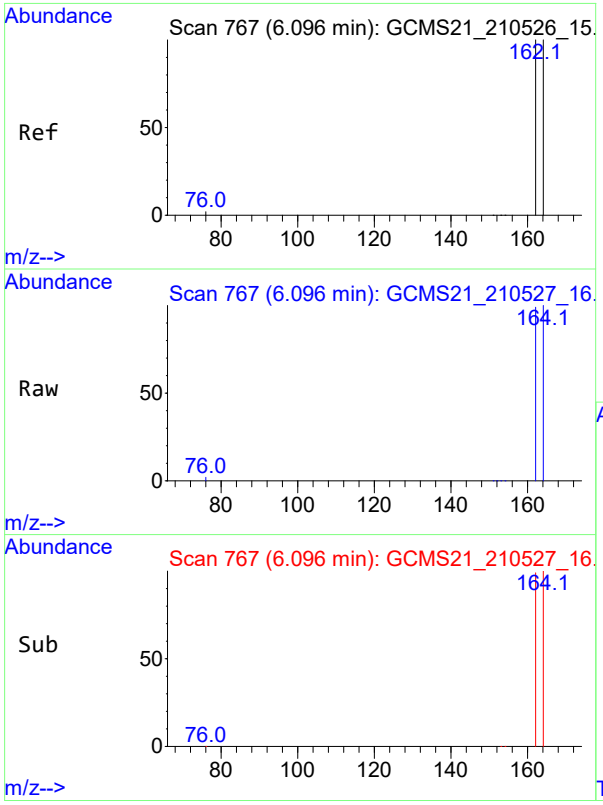


#5
1-Methylnaphthalene
Concen: 2.56 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:142 Resp: 1875

Ion	Ratio	Lower	Upper
142	100		
141	93.4	61.5	121.5
115	27.4	0.2	60.2

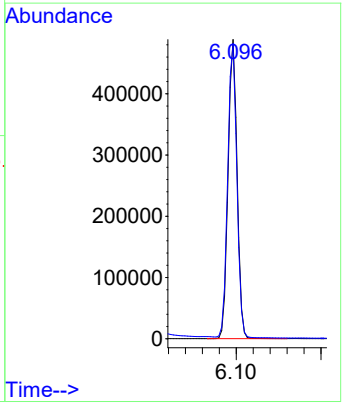


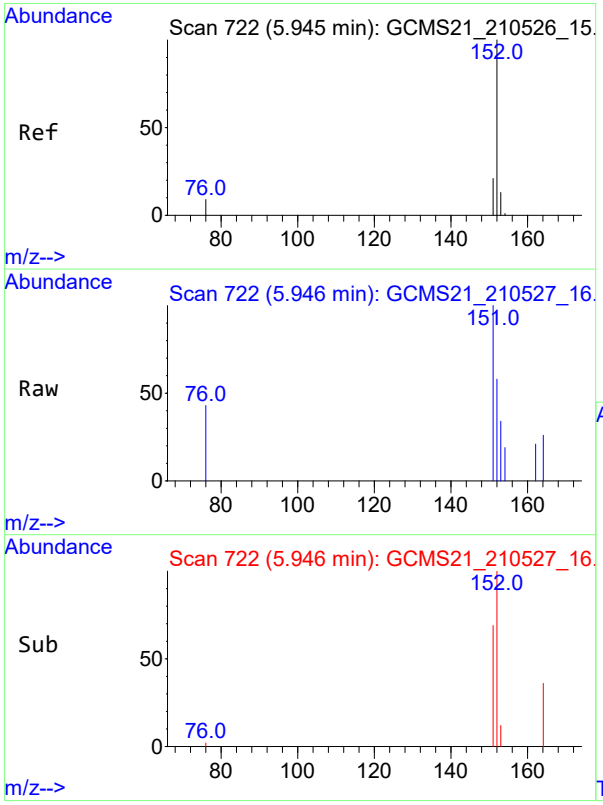


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:164 Resp: 360622

Ion	Ratio	Lower	Upper
164	100		
162	100.4	77.7	117.7

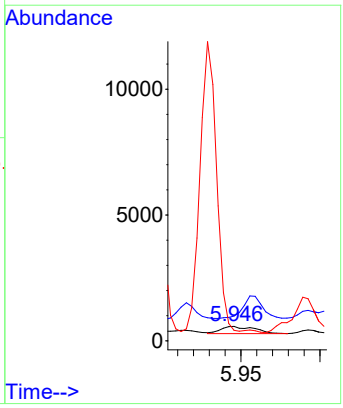


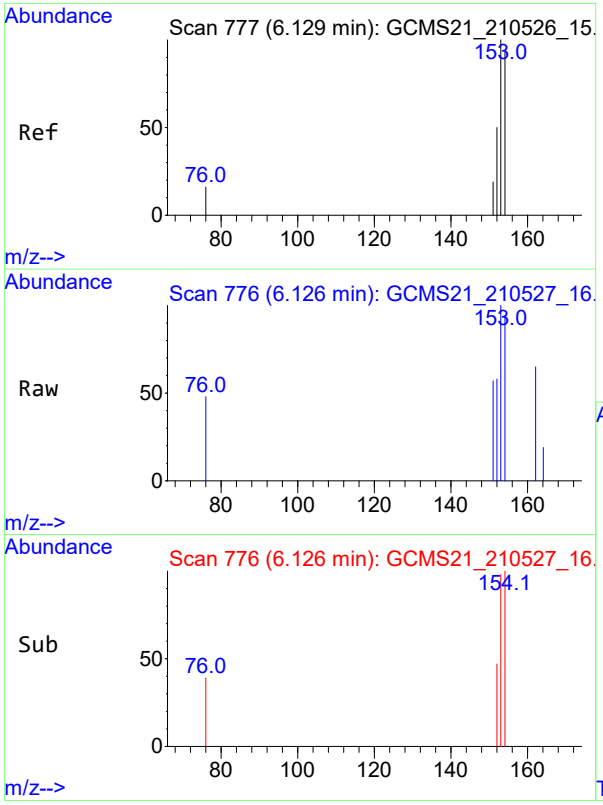


#7
Acenaphthylene
Concen: 0.35 ng/mL
RT: 5.946 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:152 Resp: 418

Ion	Ratio	Lower	Upper
152	100		
151	207.4	0.0	52.0#
76	0.0	0.0	39.5

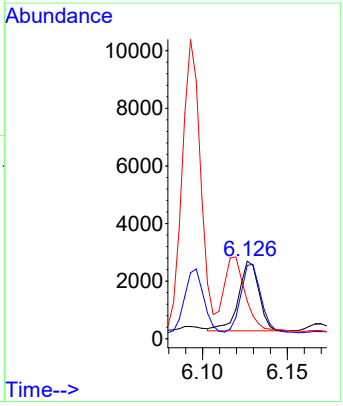


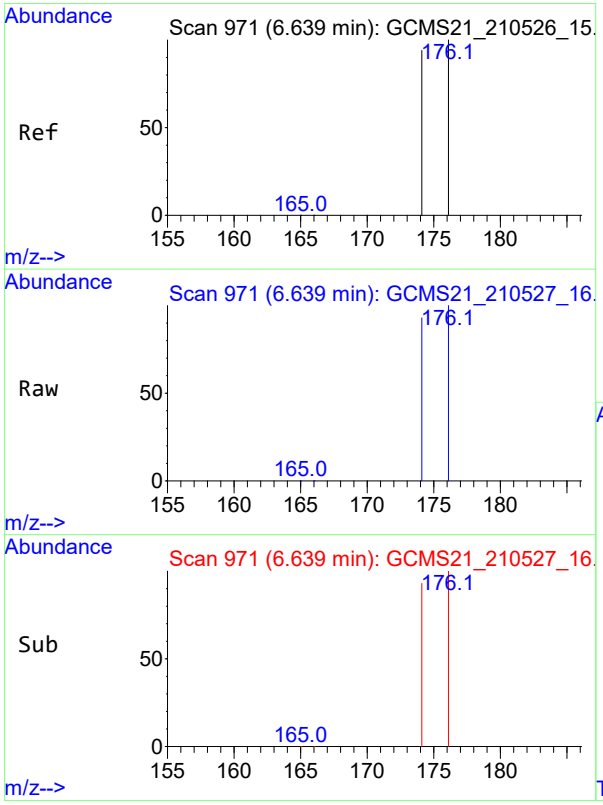


#8
Acenaphthene
Concen: 2.20 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:153 Resp: 2013

Ion	Ratio	Lower	Upper
153	100		
154	97.3	60.4	120.4
76	114.7	0.0	47.4#

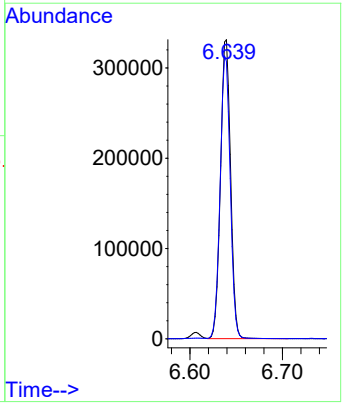


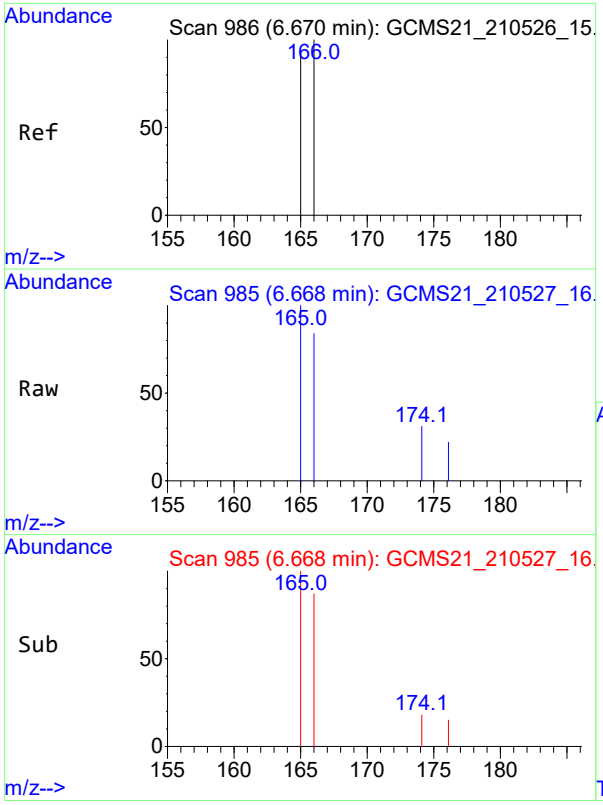


#9
Fluorene-D10
Concen: 290.15 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:176 Resp: 250513

Ion	Ratio	Lower	Upper
176	100		
174	94.4	63.9	123.9

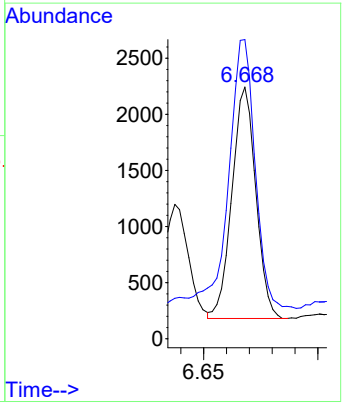


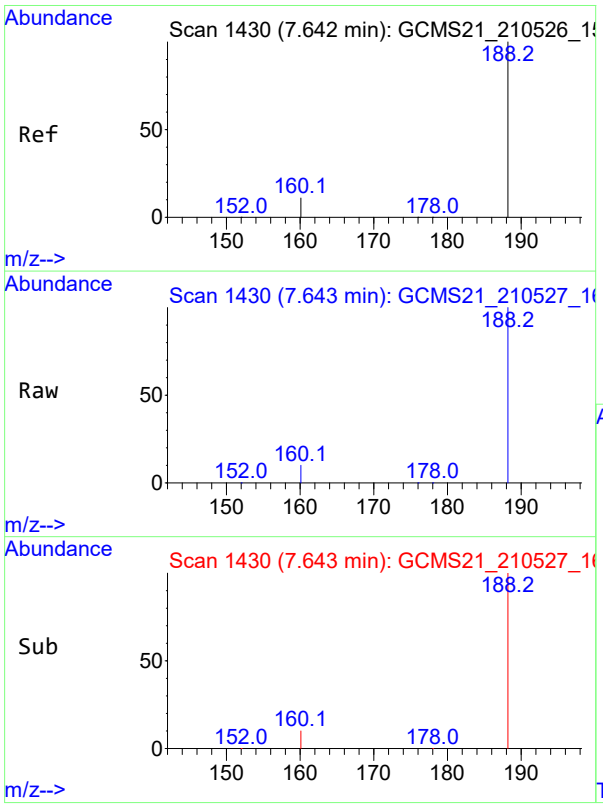


#10
Fluorene
Concen: 1.48 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:166 Resp: 1499

Ion	Ratio	Lower	Upper
166	100		
165	132.2	65.1	125.1#

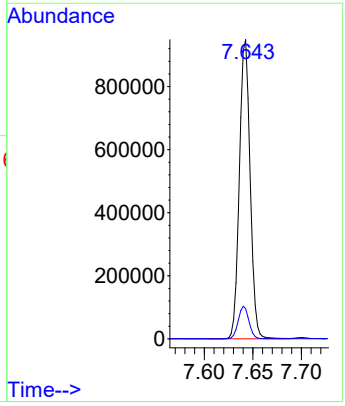


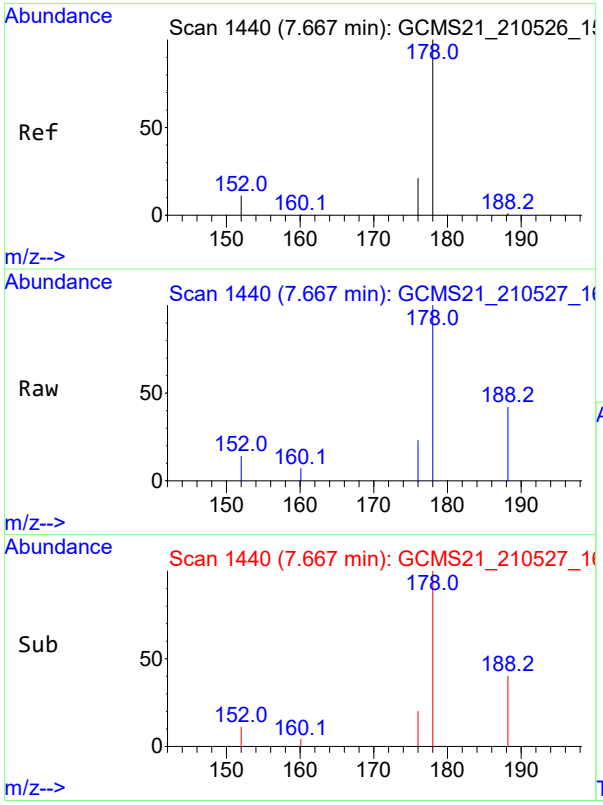


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.643 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:188 Resp: 729785

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	39.8

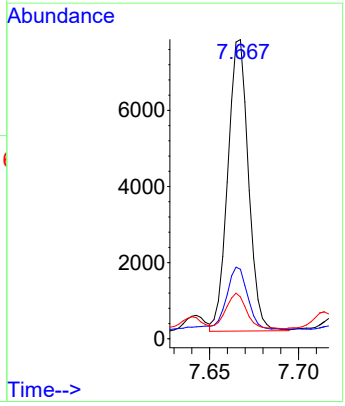


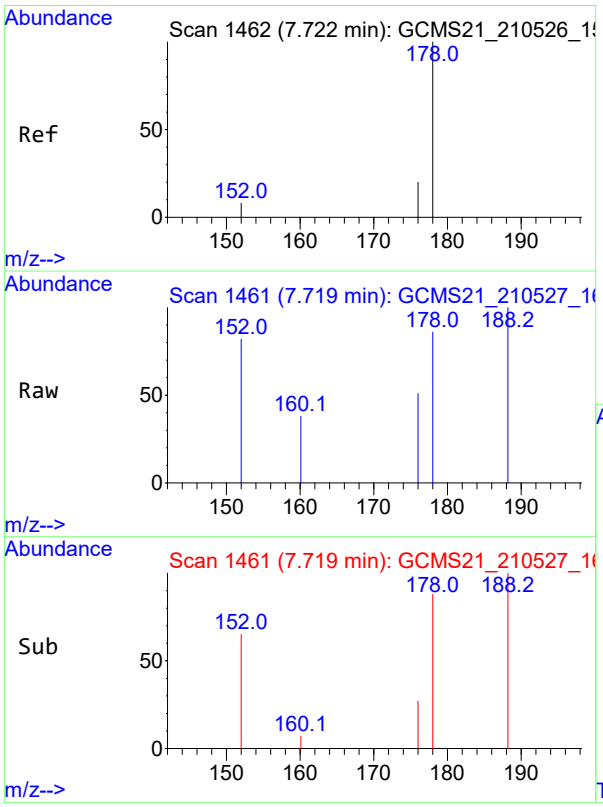


#12
Phenanthrene
Concen: 3.50 ng/mL
RT: 7.667 min Scan# 1440
Delta R.T. 0.000 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:178 Resp: 6163

Ion	Ratio	Lower	Upper
178	100		
176	23.4	0.0	50.9
152	12.2	0.0	40.5

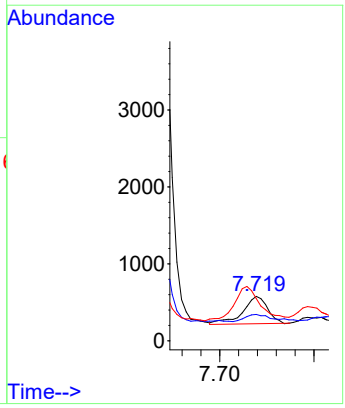


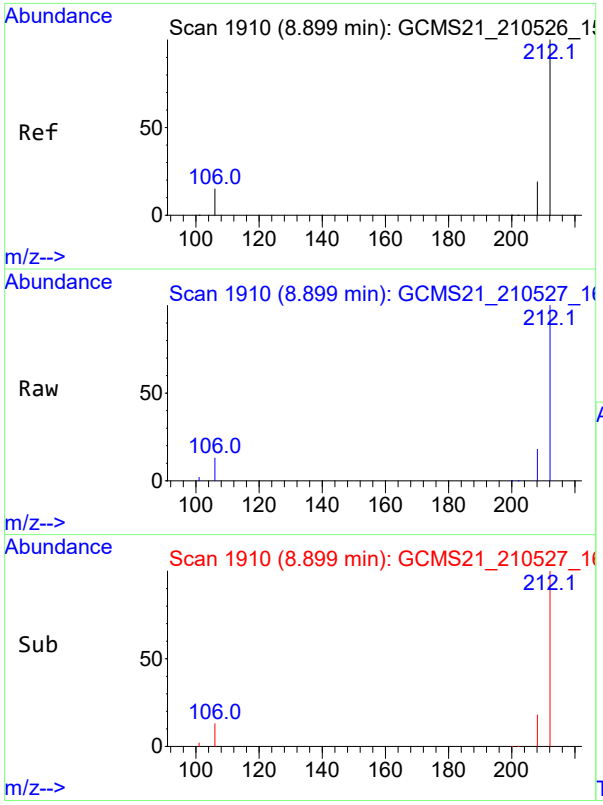


#13
Anthracene
Concen: 0.22 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:178 Resp: 326

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	50.2
152	133.7	0.0	38.2#

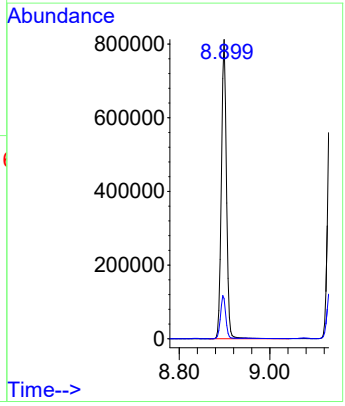


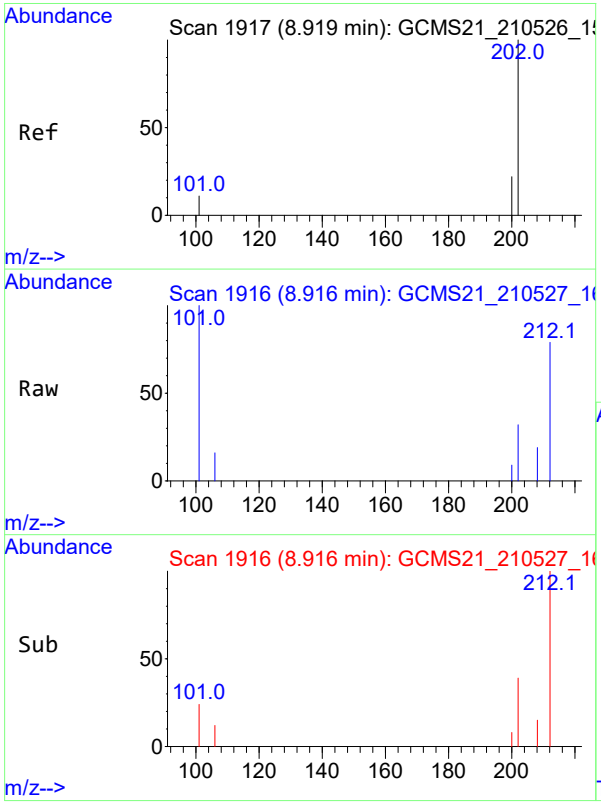


#14
Fluoranthene-D10
Concen: 398.23 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:212 Resp: 629285

Ion	Ratio	Lower	Upper
212	100		
106	14.8	0.0	44.9

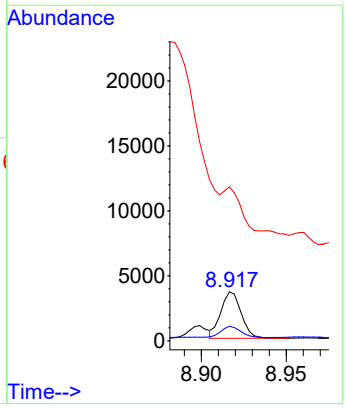


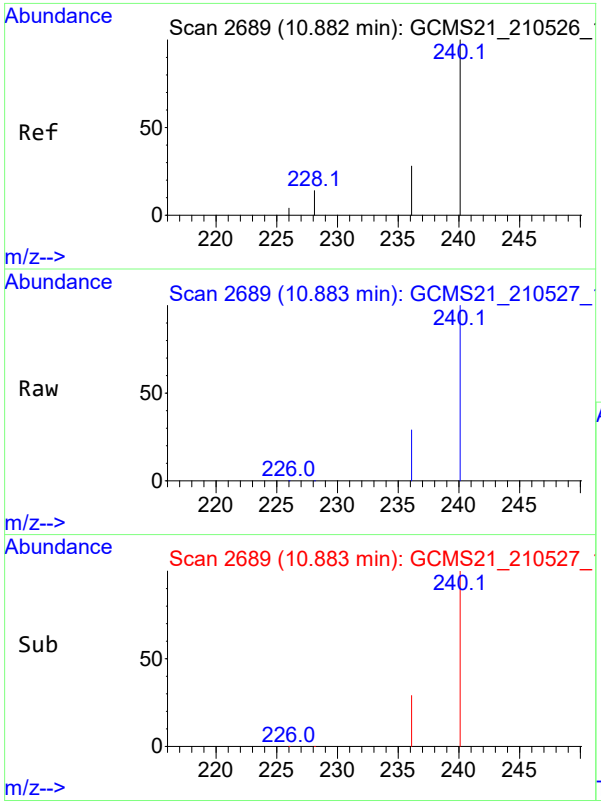


#15
Fluoranthene
Concen: 1.60 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:202 Resp: 2973

Ion	Ratio	Lower	Upper
202	100		
200	25.1	0.0	52.4
101	115.2	0.0	41.1#

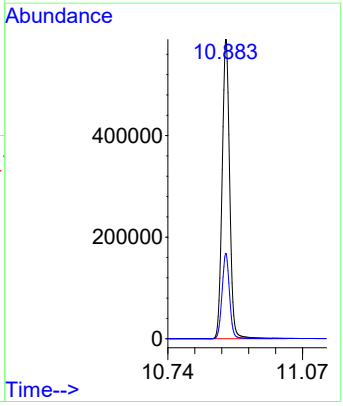


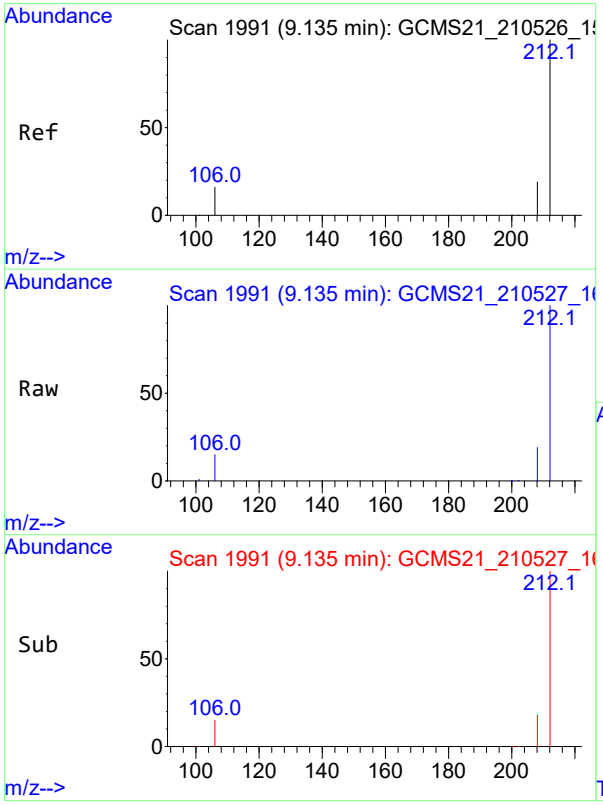


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.883 min Scan# 2689
Delta R.T. 0.000 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:240 Resp: 768189

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.6

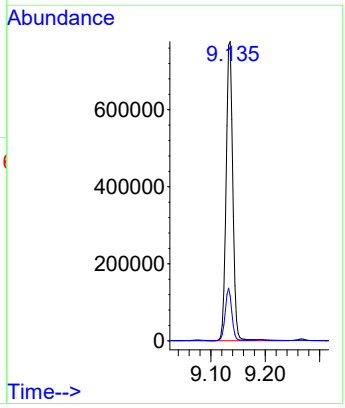


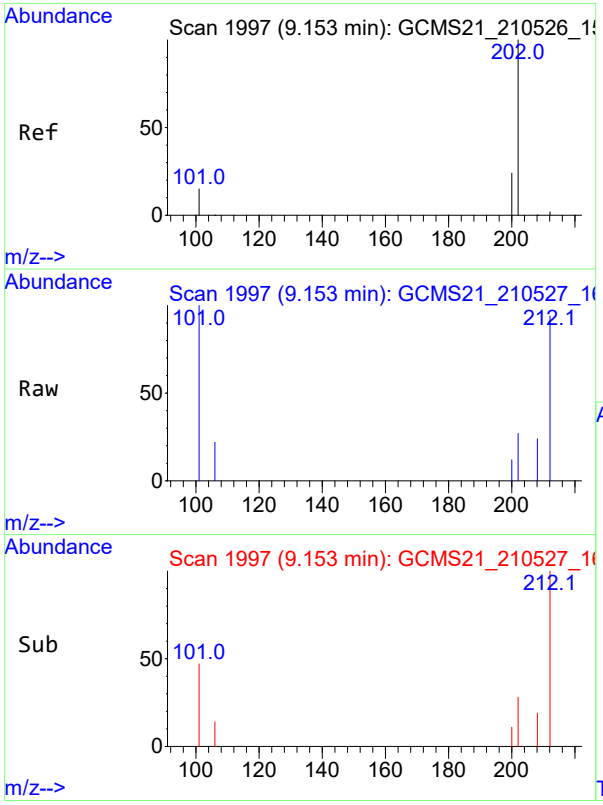


#17
Pyrene-D10
Concen: 377.20 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:212 Resp: 661108

Ion	Ratio	Lower	Upper
212	100		
106	17.2	0.0	46.2

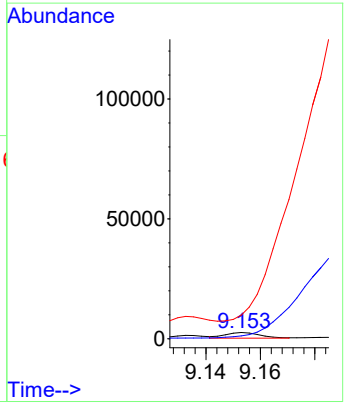


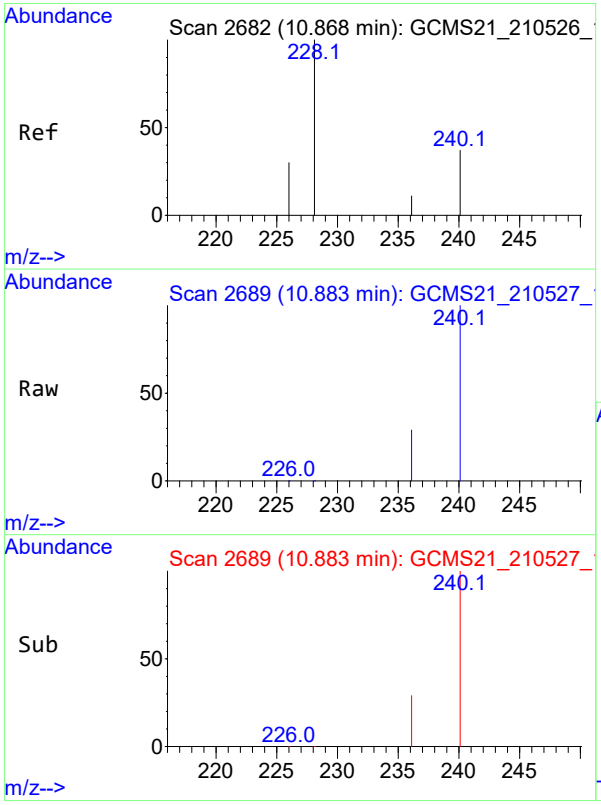


#18
Pyrene
Concen: 1.03 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:202 Resp: 2101

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

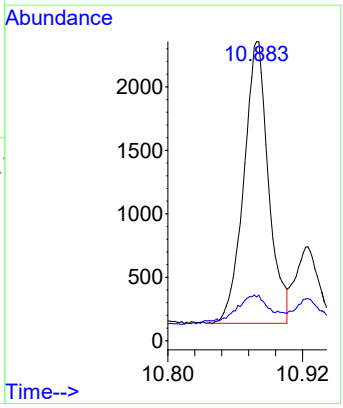


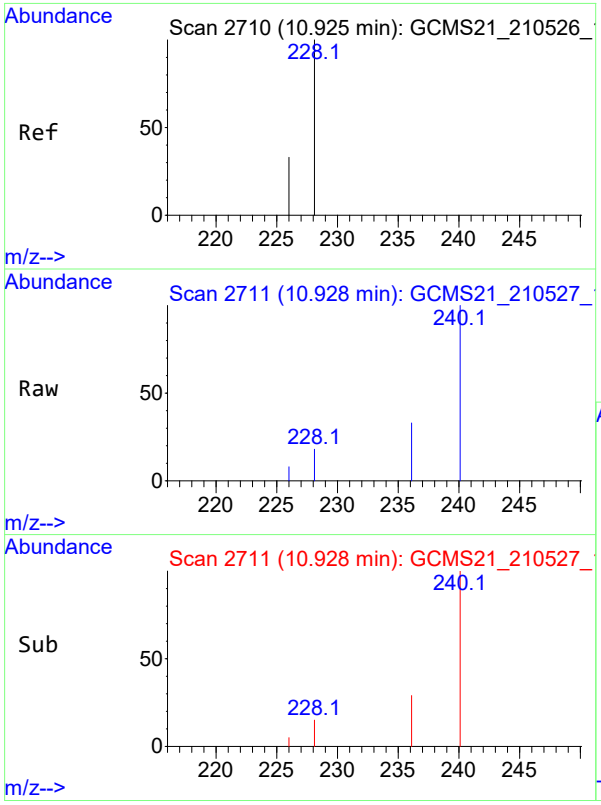


#19
Benzo(a)anthracene
Concen: 2.16 ng/mL
RT: 10.883 min Scan# 2689
Delta R.T. 0.015 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:228 Resp: 3330

Ion	Ratio	Lower	Upper
228	100		
226	12.9	0.0	59.8

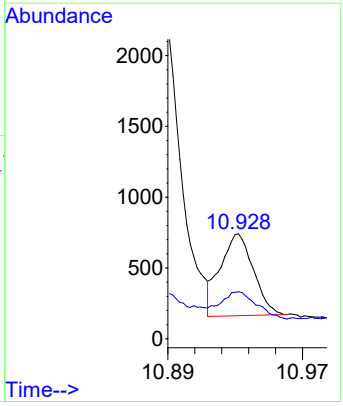


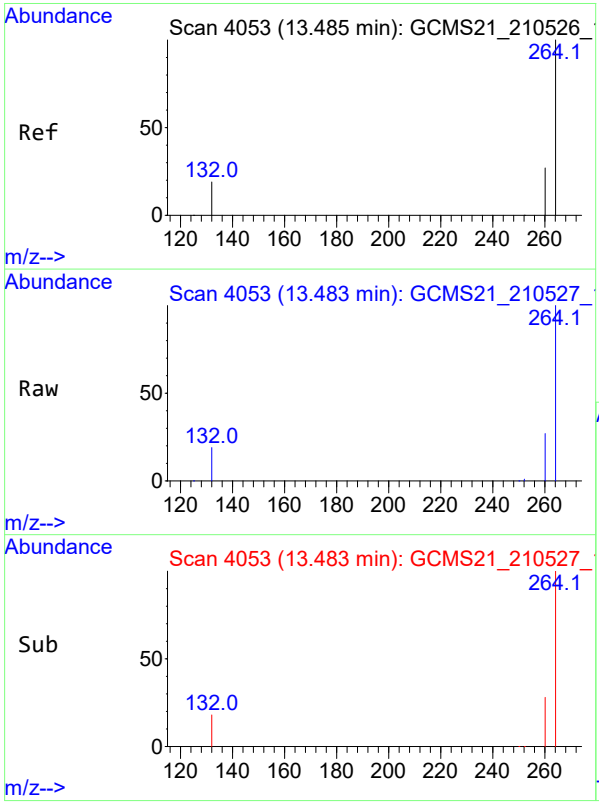


#20
Chrysene
Concen: 0.41 ng/mL
RT: 10.928 min Scan# 2711
Delta R.T. 0.003 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:228 Resp: 787

Ion	Ratio	Lower	Upper
228	100		
226	36.7	2.8	62.8

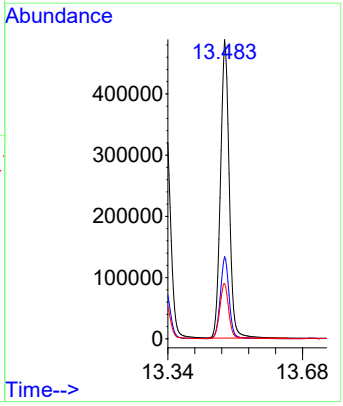


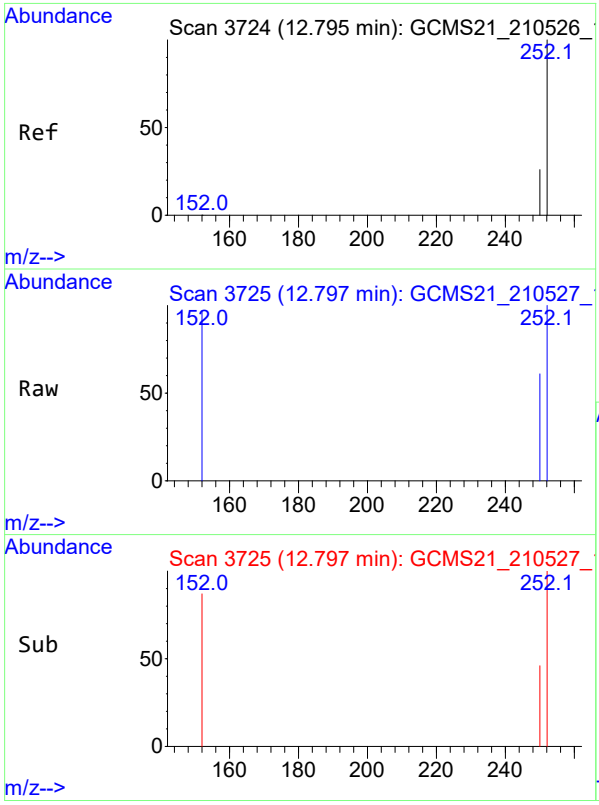


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.483 min Scan# 4053
Delta R.T. -0.002 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:264 Resp: 759069

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	18.8	0.0	49.5

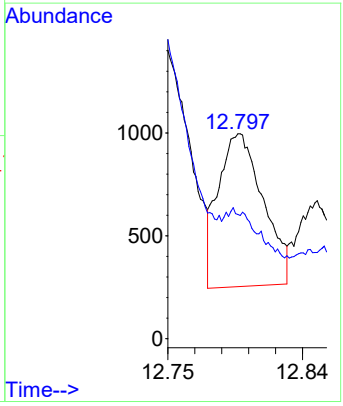


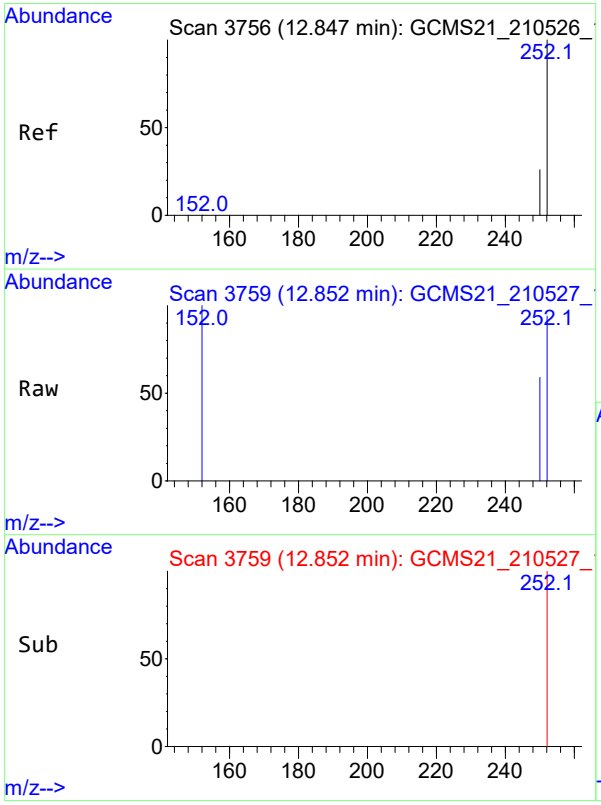


#22
Benzo(b)fluoranthene
Concen: 1.03 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:252 Resp: 1618

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	56.2

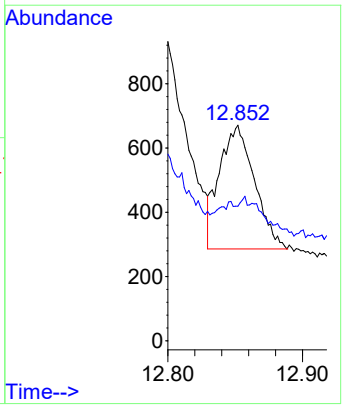


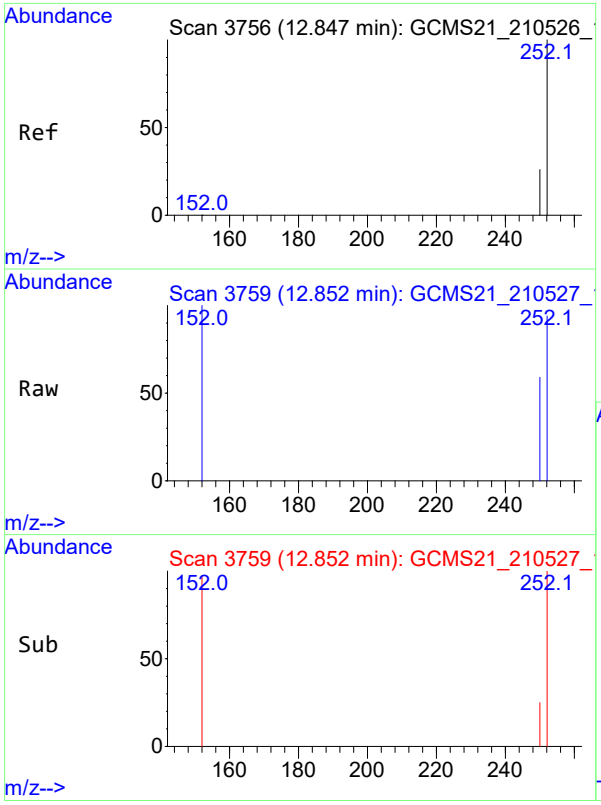


#23
Benzo(k)fluoranthene
Concen: 0.38 ng/mL
RT: 12.852 min Scan# 3759
Delta R.T. 0.005 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:252 Resp: 655

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.6

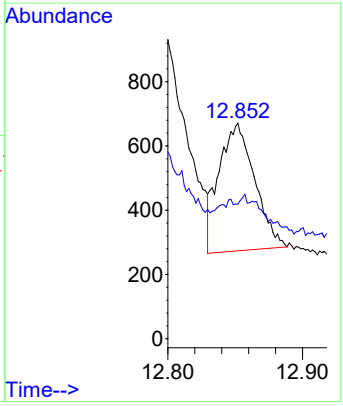


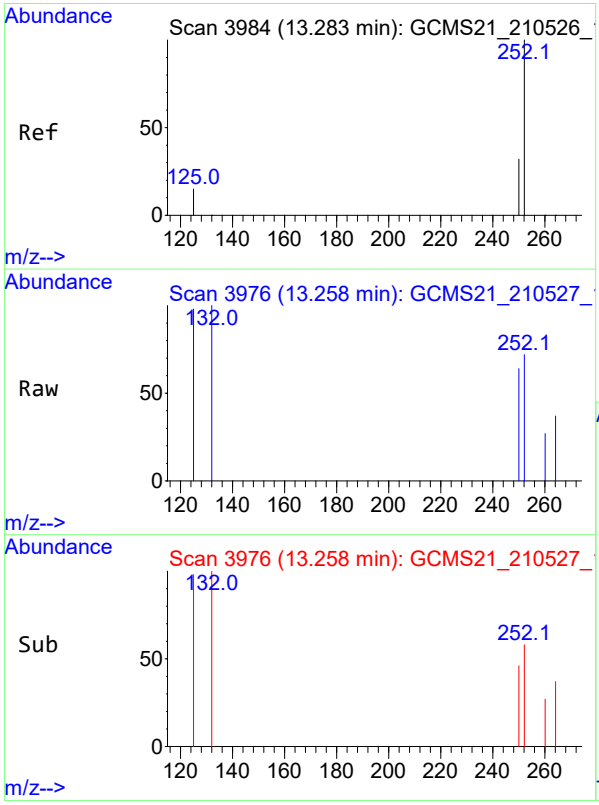


#24
benzo(b+k)fluoranthene (sum)
Concen: 0.40 ng/mL
RT: 12.852 min Scan# 3759
Delta R.T. 0.005 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:252 Resp: 688

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	55.6

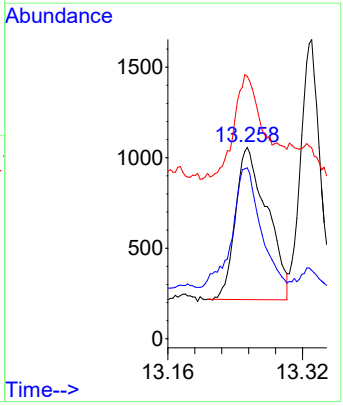


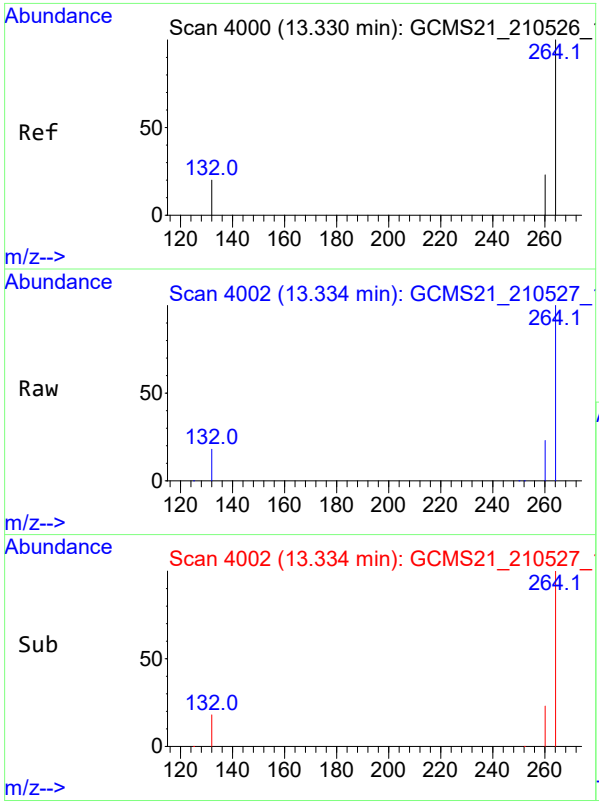


#25
Benzo(e)pyrene
Concen: 1.37 ng/mL
RT: 13.258 min Scan# 3976
Delta R.T. -0.025 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:252 Resp: 2176

Ion	Ratio	Lower	Upper
252	100		
250	72.8	2.2	62.2#
125	61.9	0.0	45.4#

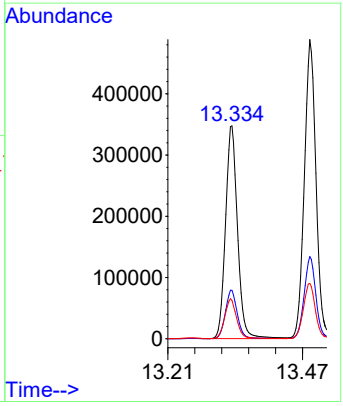


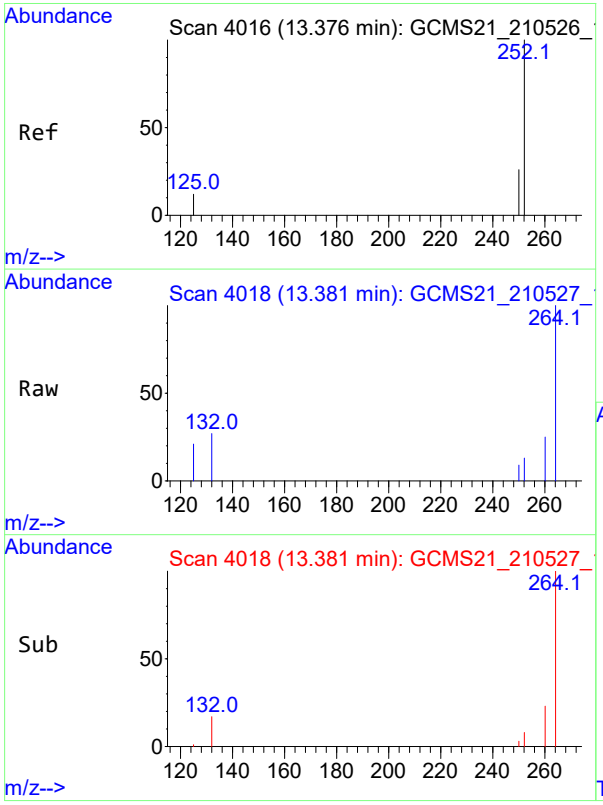


#26
Benzo(a)pyrene-D12
Concen: 448.77 ng/mL
RT: 13.334 min Scan# 4002
Delta R.T. 0.004 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:264 Resp: 553446

Ion	Ratio	Lower	Upper
264	100		
260	22.7	0.0	53.0
132	18.4	0.0	49.7

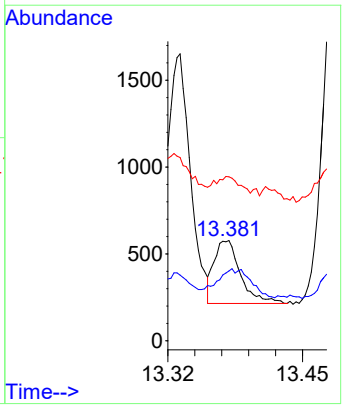


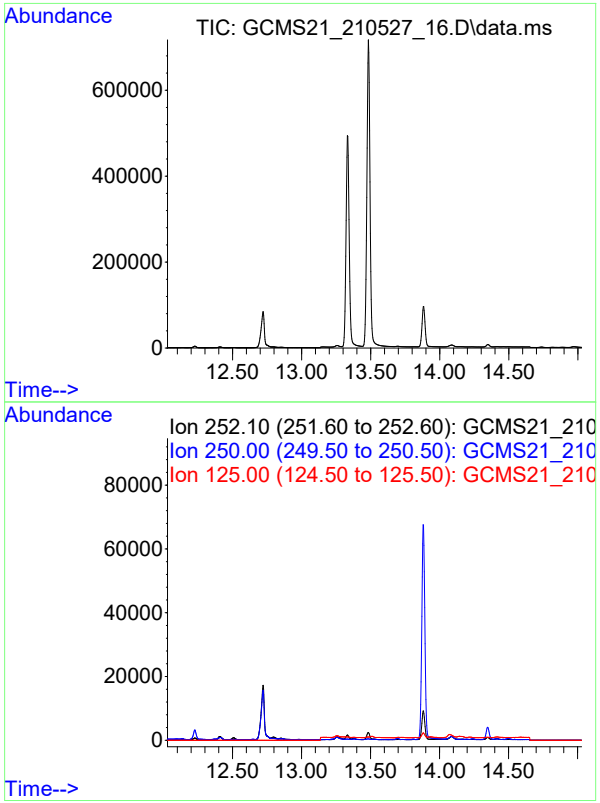


#27
Benzo(a)pyrene
Concen: 0.44 ng/mL
RT: 13.381 min Scan# 4018
Delta R.T. 0.005 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:252 Resp: 636

Ion	Ratio	Lower	Upper
252	100		
250	58.2	0.0	56.4#
125	22.6	0.0	41.7



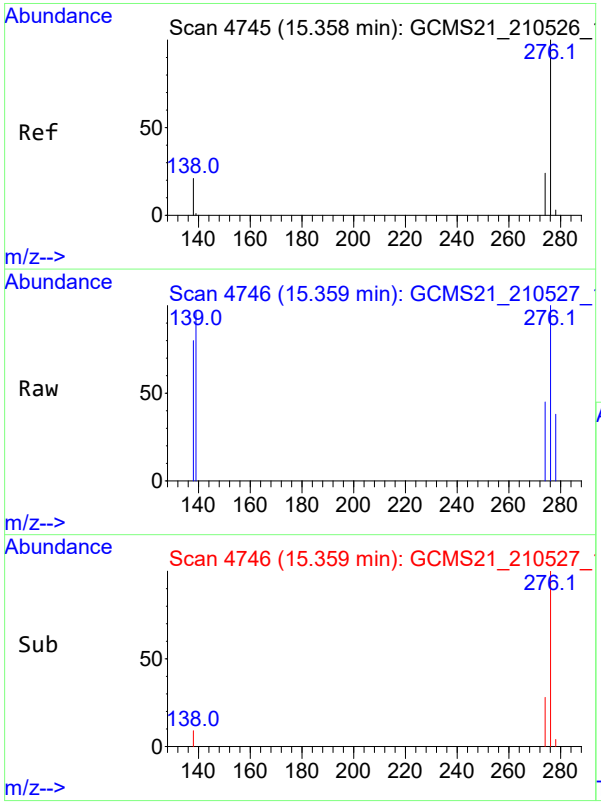


#28
Perylene
Concen: N.D.
Expected RT: 13.53 min

Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion: 252

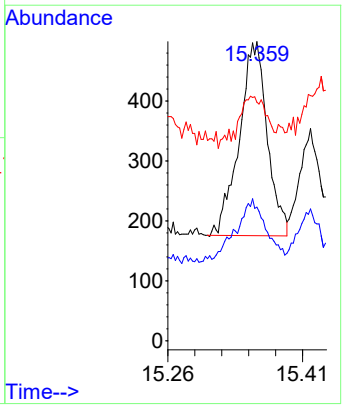
Sig	Exp Ratio
252	100
250	31.5
125	16.6

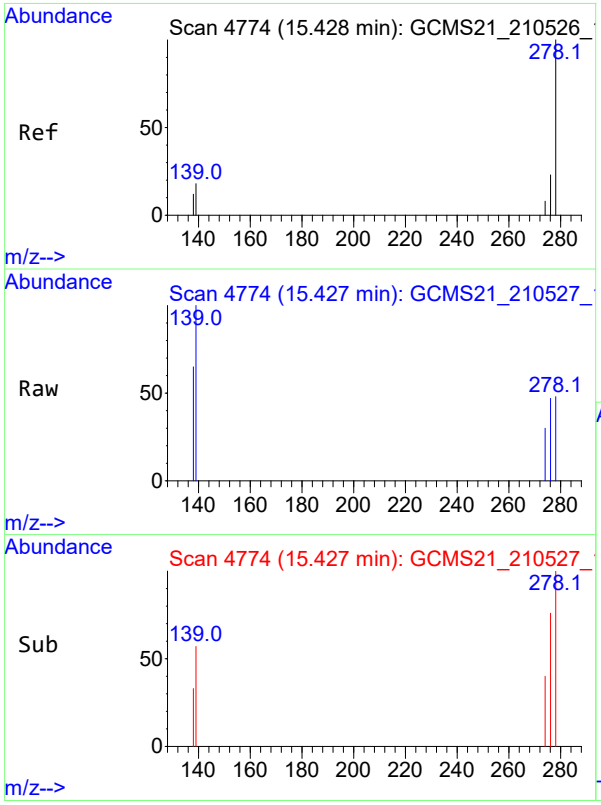


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.57 ng/mL
RT: 15.359 min Scan# 4746
Delta R.T. 0.001 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:276 Resp: 706

Ion	Ratio	Lower	Upper
276	100		
274	32.2	0.0	53.8
138	20.4	0.0	50.7

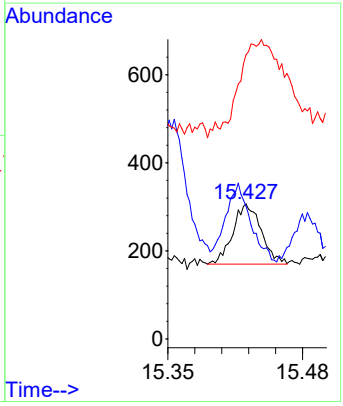


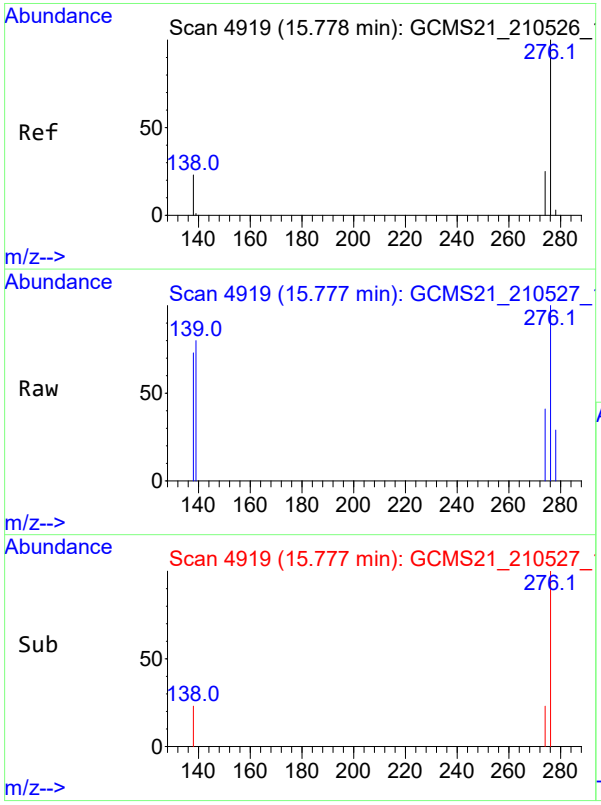


#30
Dibenz(a,h)anthracene
Concen: 0.21 ng/mL
RT: 15.427 min Scan# 4774
Delta R.T. -0.001 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:278 Resp: 253

Ion	Ratio	Lower	Upper
278	100		
276	115.8	0.0	52.8#
139	232.0	0.0	47.6#

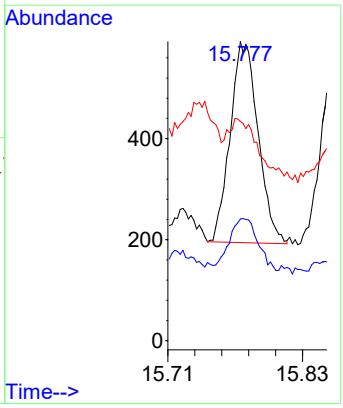




#31
Benzo(g,h,i)perylene
Concen: 0.42 ng/mL
RT: 15.777 min Scan# 4919
Delta R.T. -0.001 min
Lab File: GCMS21_210527_16.D
Acq: 27 May 2021 18:20

Tgt Ion:276 Resp: 678

Ion	Ratio	Lower	Upper
276	100		
274	26.5	0.0	54.8
138	33.6	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_17.D
Acq On : 27 May 2021 18:45
Operator : MN GCMS21
Sample : 2105001-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 28 11:33:06 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

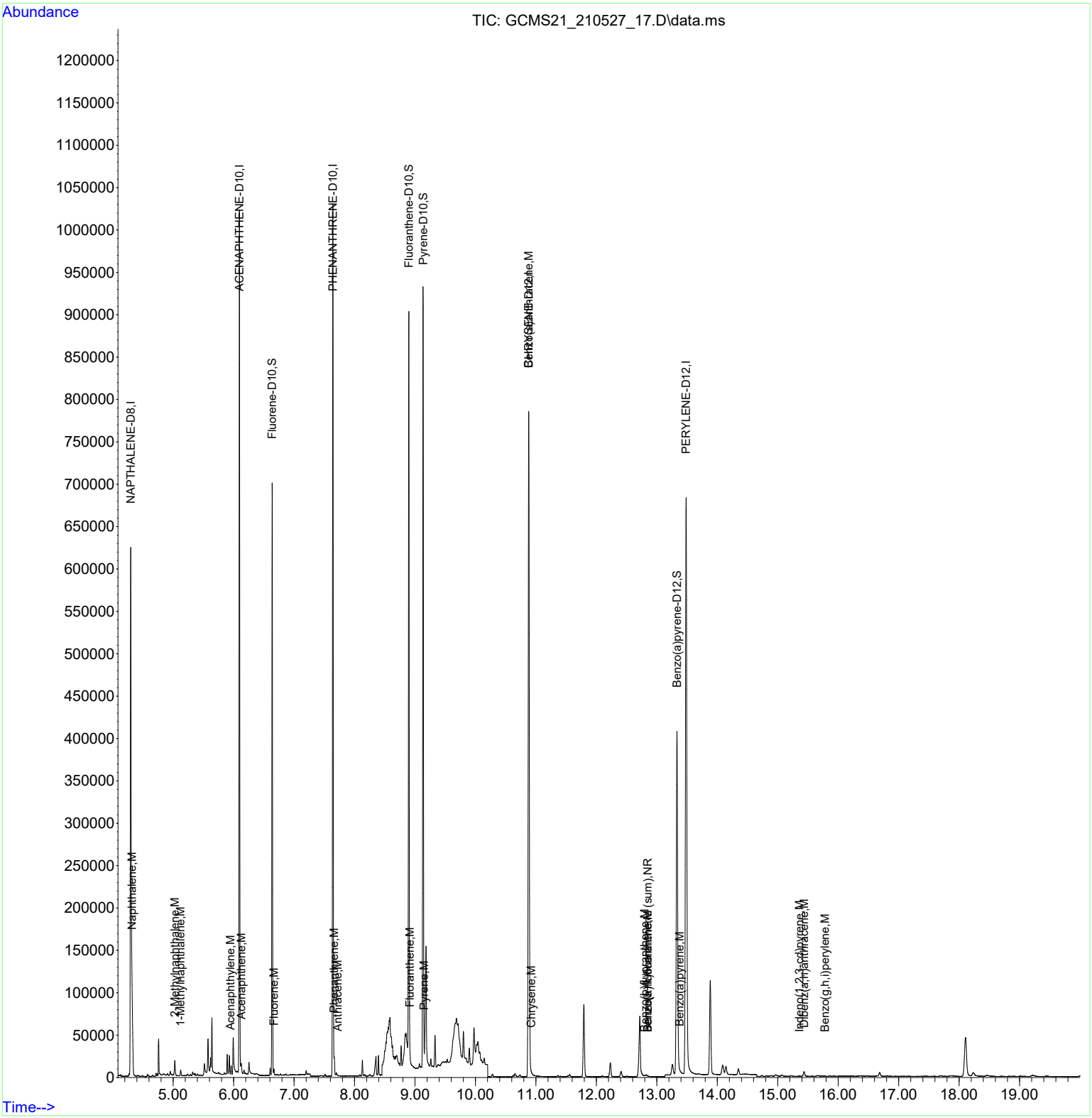
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	630657	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	365947	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.642	188	744541	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.880	240	778046	500.00	ng/mL	0.00
21) PERYLENE-D12	13.485	264	727236	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.637	176	265338	302.85	ng/mL	0.00
14) Fluoranthene-D10	8.899	212	544098	337.50	ng/mL	0.00
17) Pyrene-D10	9.135	212	589016	331.81	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	447759	378.96	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.318	128	22951	18.97	ng/mL	98
4) 2-Methylnaphthalene	5.028	142	6130	6.88	ng/mL	97
5) 1-Methylnaphthalene	5.124	142	2758	3.72	ng/mL	96
7) Acenaphthylene	5.945	152	242	0.20	ng/mL#	60
8) Acenaphthene	6.126	153	2863	3.08	ng/mL#	37
10) Fluorene	6.668	166	2141	2.08	ng/mL#	66
12) Phenanthrene	7.665	178	9985	5.56	ng/mL	96
13) Anthracene	7.719	178	405	0.27	ng/mL#	1
15) Fluoranthene	8.916	202	1932	1.02	ng/mL#	1
18) Pyrene	9.153	202	1190	0.57	ng/mL#	56
19) Benzo(a)anthracene	10.880	228	3161	2.02	ng/mL	67
20) Chrysene	10.923	228	397	0.21	ng/mL	95
22) Benzo(b)fluoranthene	12.797	252	258	0.17	ng/mL#	49
23) Benzo(k)fluoranthene	12.851	252	390	0.23	ng/mL#	1
24) benzo(b+k)fluoranthene...	12.851	252	390	0.24	ng/mL#	1
25) Benzo(e)pyrene	0.000		0	N.D.	d	
27) Benzo(a)pyrene	13.379	252	402	0.29	ng/mL#	16
28) Perylene	0.000		0	N.D.	d	
29) Indeno(1,2,3-cd)pyrene	15.358	276	630	0.53	ng/mL#	53
30) Dibenz(a,h)anthracene	15.435	278	565	0.48	ng/mL#	1
31) Benzo(g,h,i)perylene	15.782	276	584	0.38	ng/mL	96

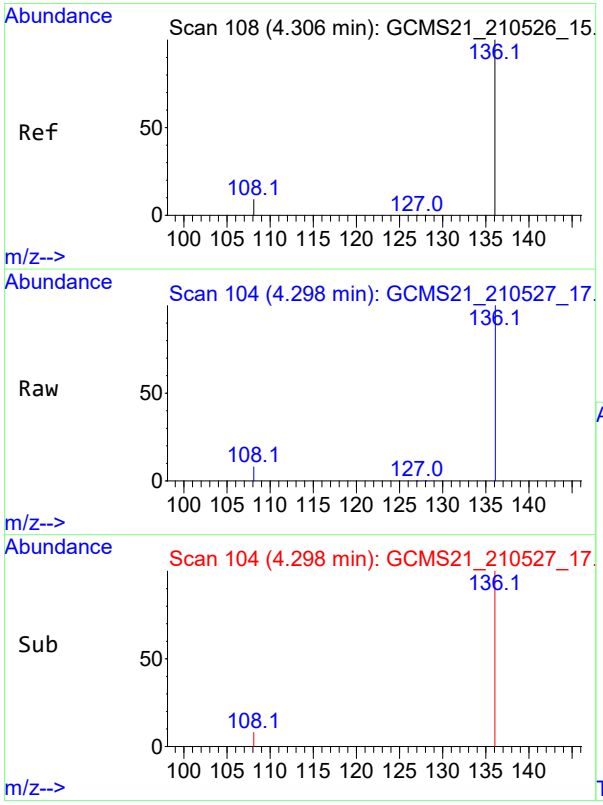
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_17.D
Acq On : 27 May 2021 18:45
Operator : MN GCMS21
Sample : 2105001-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 28 11:33:06 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

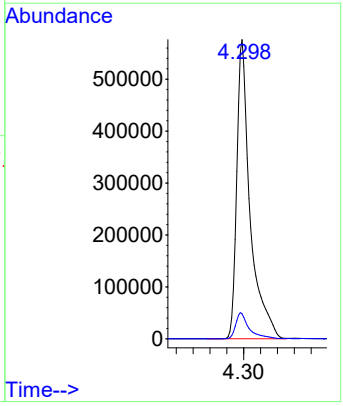


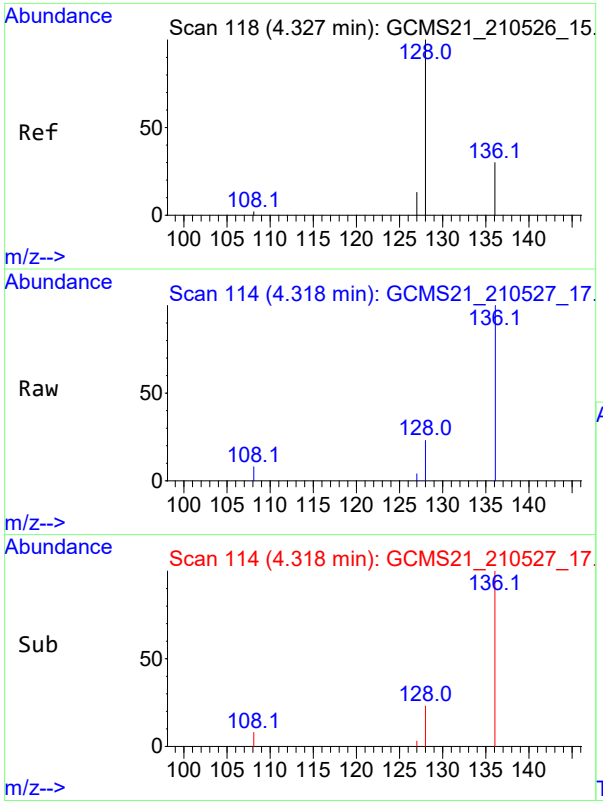


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:136 Resp: 630657

Ion	Ratio	Lower	Upper
136	100		
108	8.8	0.0	28.3

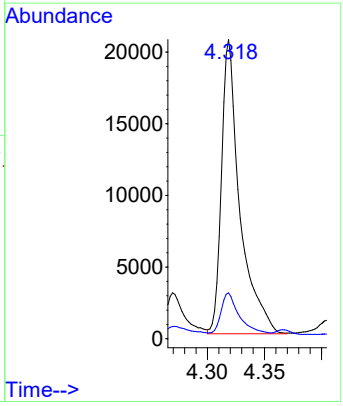


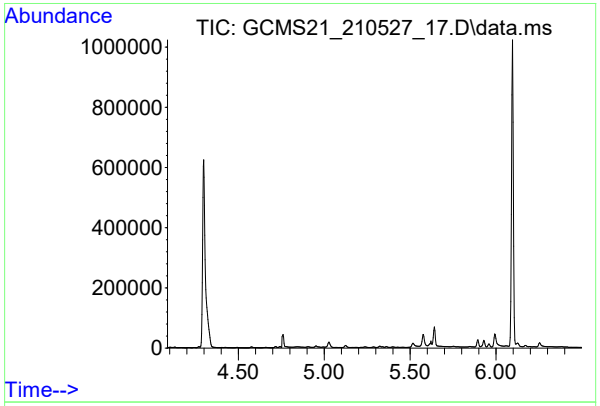


#2
Naphthalene
Concen: 18.97 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:128 Resp: 22951

Ion	Ratio	Lower	Upper
128	100		
127	14.2	0.0	43.3



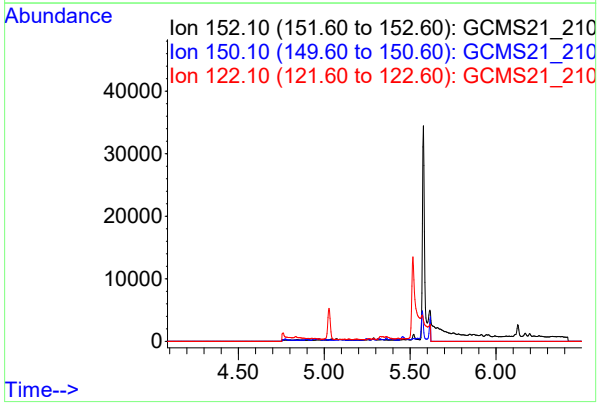


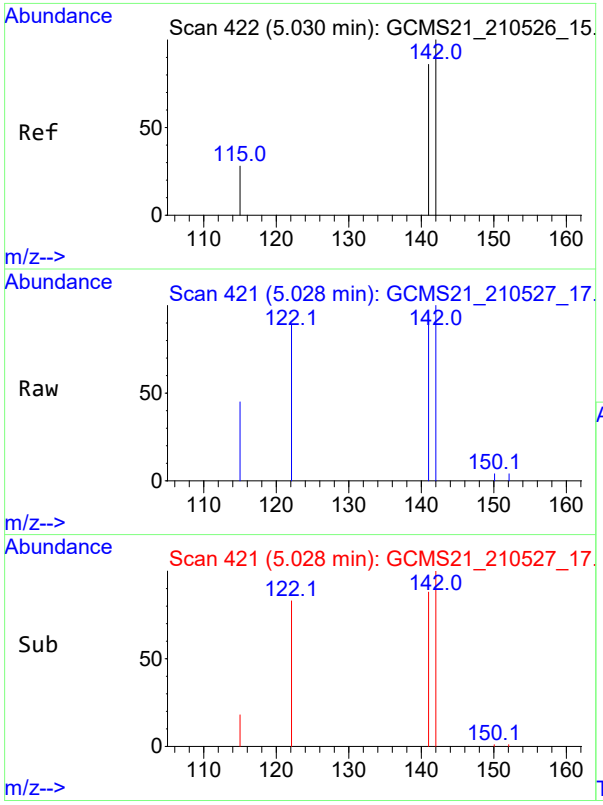
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5

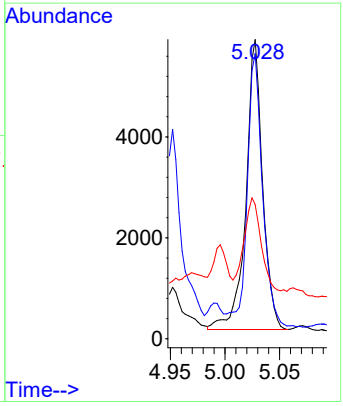


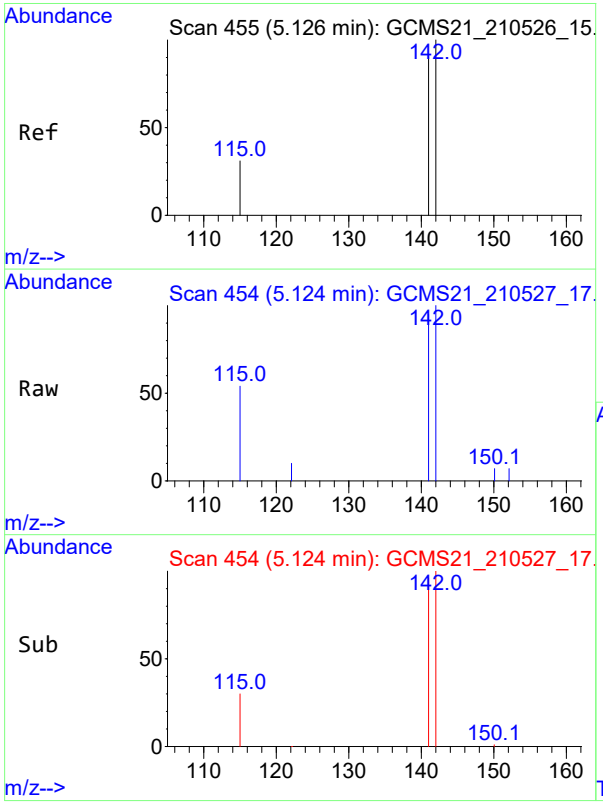


#4
2-Methylnaphthalene
Concen: 6.88 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:142 Resp: 6130

Ion	Ratio	Lower	Upper
142	100		
141	86.7	56.3	116.3
115	32.1	0.0	57.4

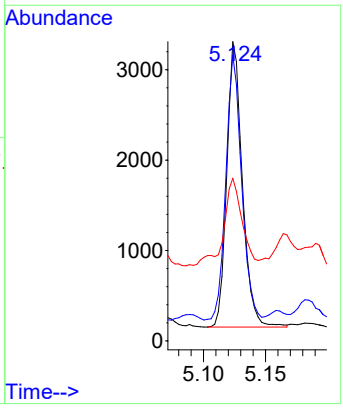


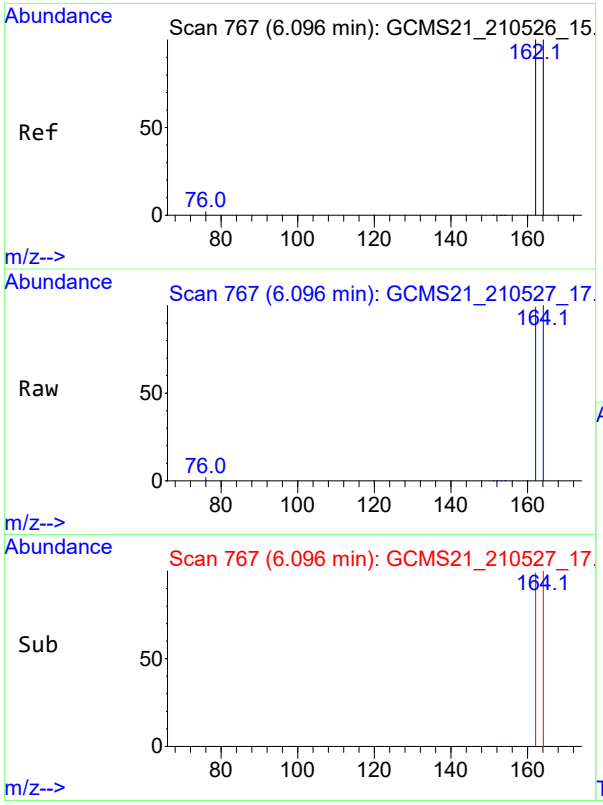


#5
1-Methylnaphthalene
Concen: 3.72 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:142 Resp: 2758

Ion	Ratio	Lower	Upper
142	100		
141	93.6	61.5	121.5
115	35.8	0.2	60.2

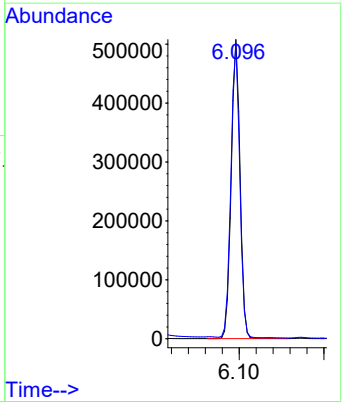


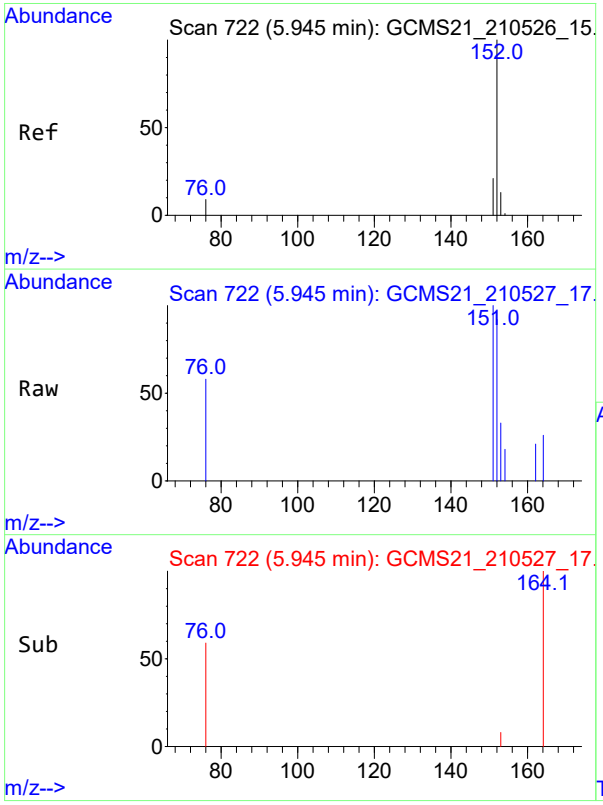


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:164 Resp: 365947

Ion	Ratio	Lower	Upper
164	100		
162	100.3	77.7	117.7

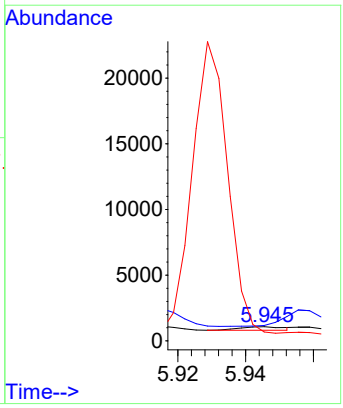


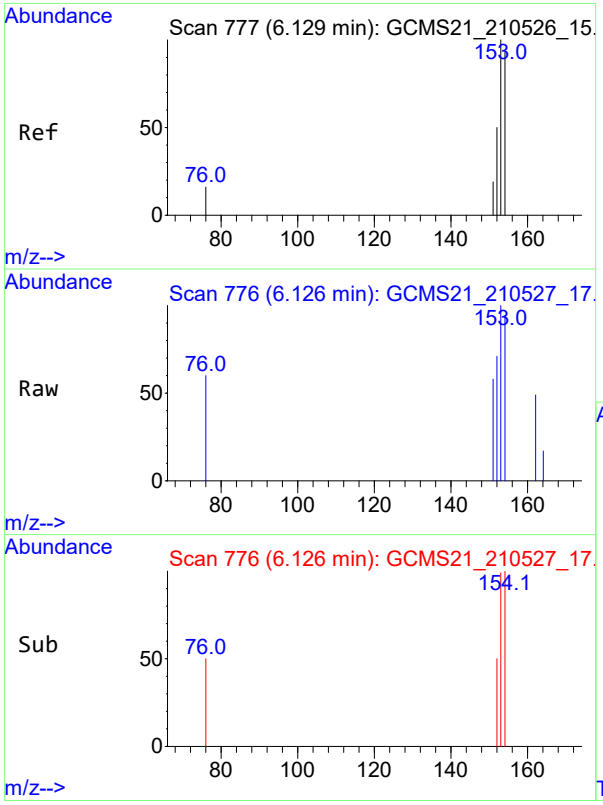


#7
Acenaphthylene
Concen: 0.20 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:152 Resp: 242

Ion	Ratio	Lower	Upper
152	100		
151	0.0	0.0	52.0
76	0.0	0.0	39.5

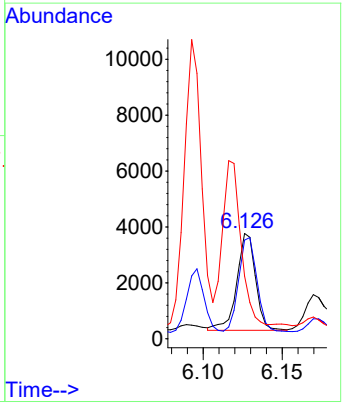


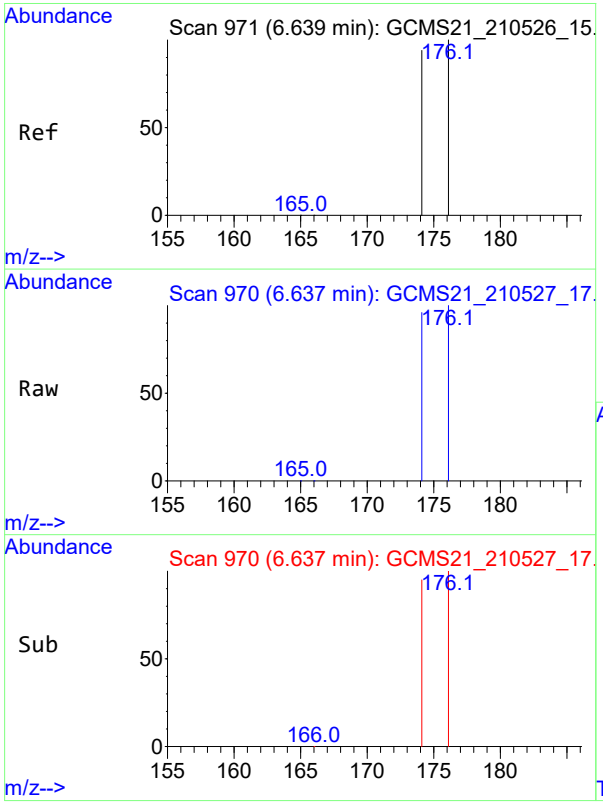


#8
Acenaphthene
Concen: 3.08 ng/mL
RT: 6.126 min Scan# 776
Delta R.T. -0.003 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:153 Resp: 2863

Ion	Ratio	Lower	Upper
153	100		
154	96.9	60.4	120.4
76	172.0	0.0	47.4#

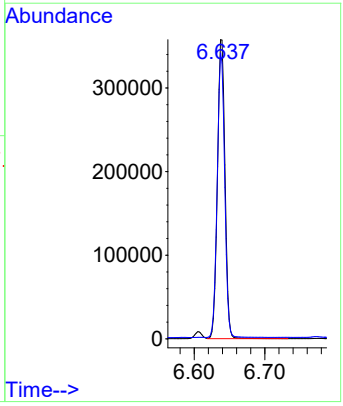


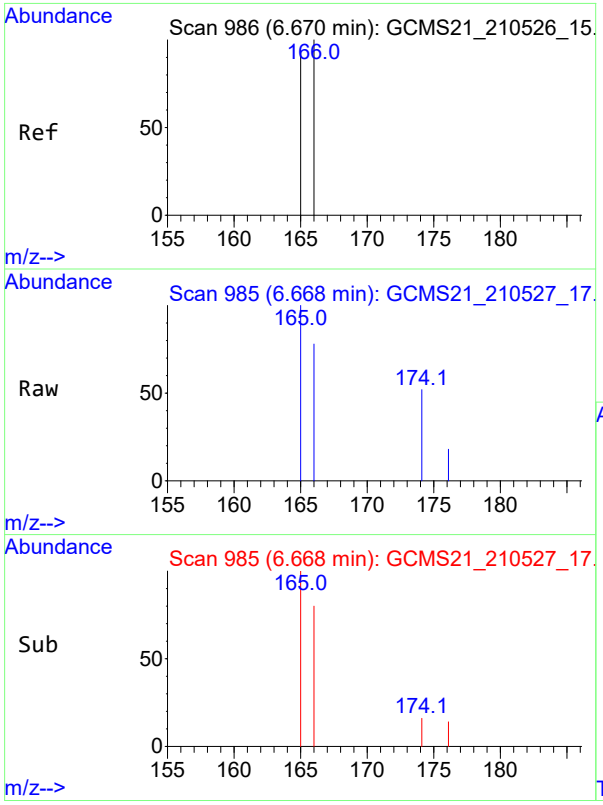


#9
Fluorene-D10
Concen: 302.85 ng/mL
RT: 6.637 min Scan# 970
Delta R.T. -0.002 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:176 Resp: 265338

Ion	Ratio	Lower	Upper
176	100		
174	94.3	63.9	123.9

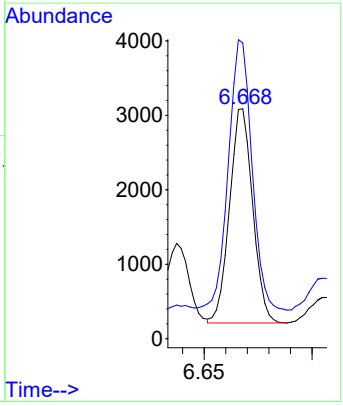


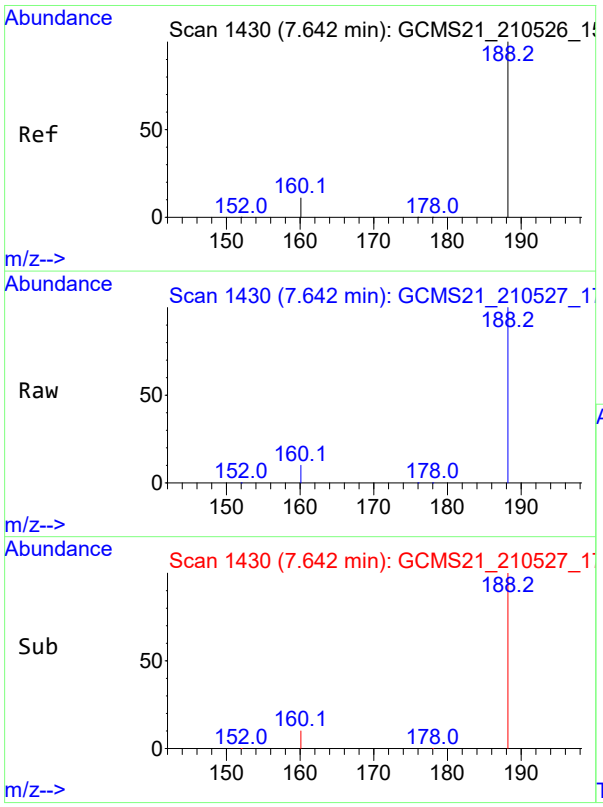


#10
Fluorene
Concen: 2.08 ng/mL
RT: 6.668 min Scan# 985
Delta R.T. -0.002 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:166 Resp: 2141

Ion	Ratio	Lower	Upper
166	100		
165	128.5	65.1	125.1#

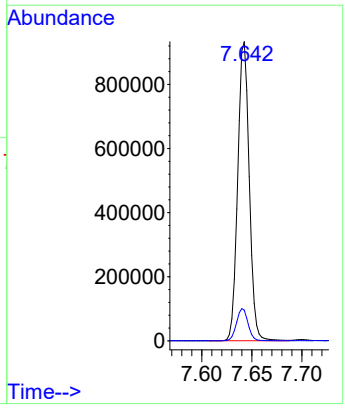


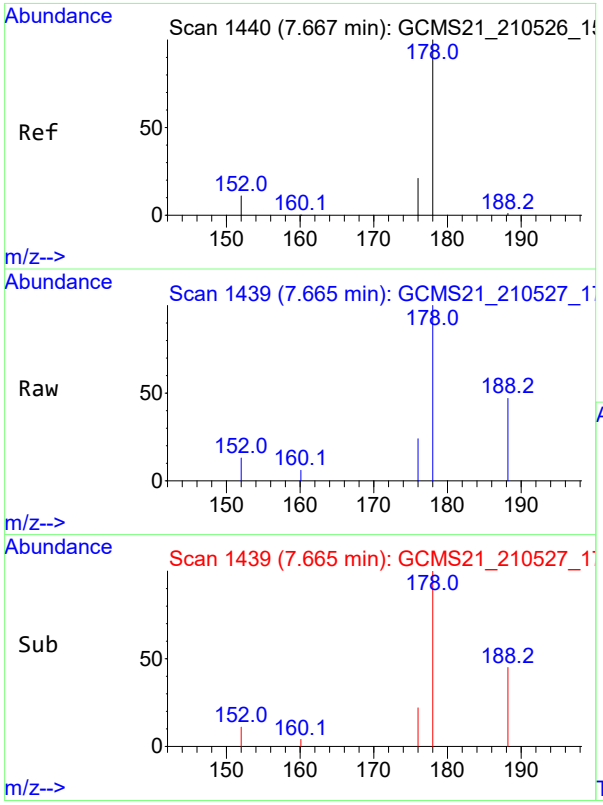


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.642 min Scan# 1430
Delta R.T. 0.000 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:188 Resp: 744541

Ion	Ratio	Lower	Upper
188	100		
160	10.8	0.0	39.8

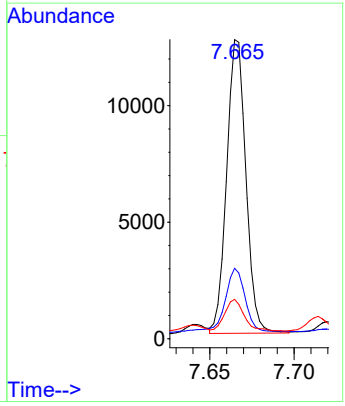


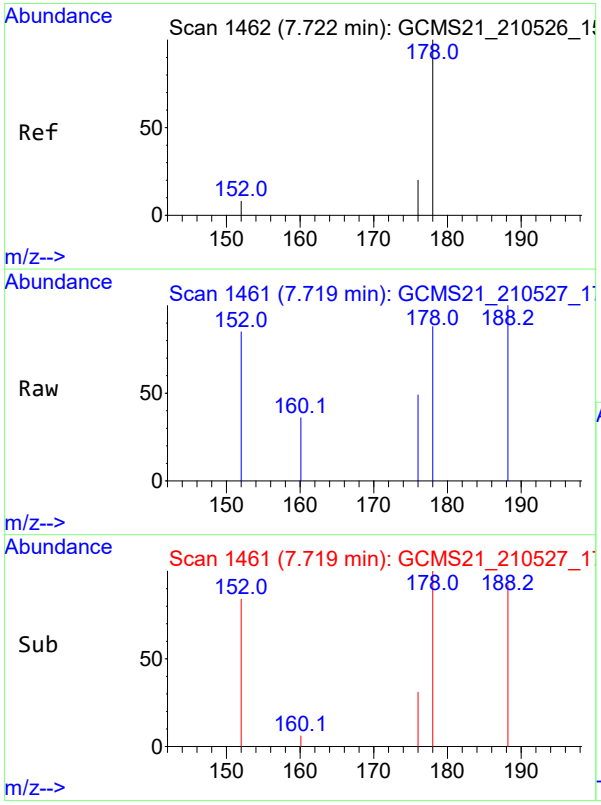


#12
Phenanthrene
Concen: 5.56 ng/mL
RT: 7.665 min Scan# 1439
Delta R.T. -0.002 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:178 Resp: 9985

Ion	Ratio	Lower	Upper
178	100		
176	23.6	0.0	50.9
152	11.1	0.0	40.5

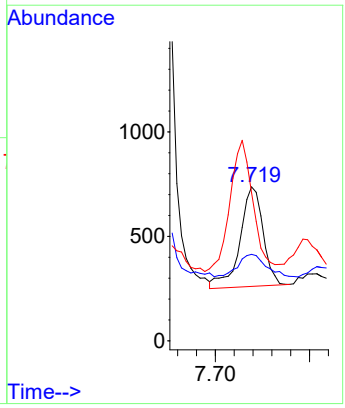


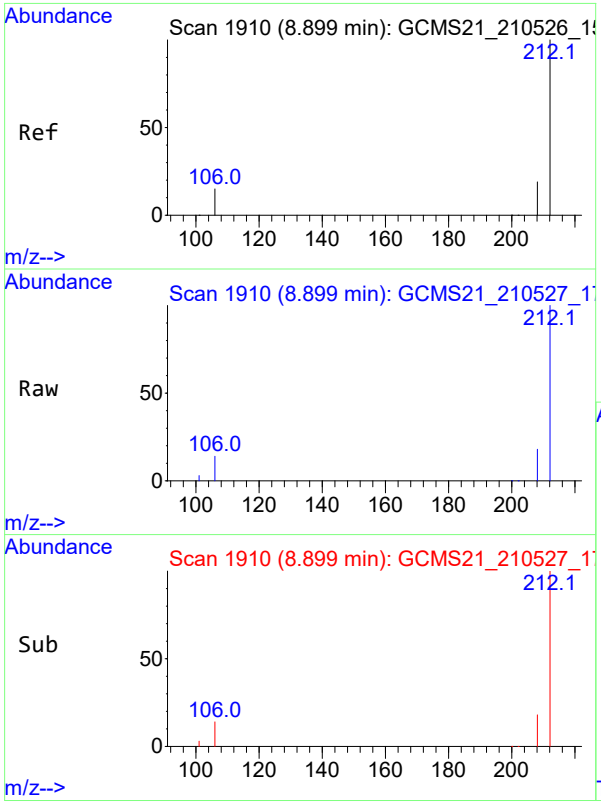


#13
Anthracene
Concen: 0.27 ng/mL
RT: 7.719 min Scan# 1461
Delta R.T. -0.003 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:178 Resp: 405

Ion	Ratio	Lower	Upper
178	100		
176	30.6	0.0	50.2
152	146.7	0.0	38.2#

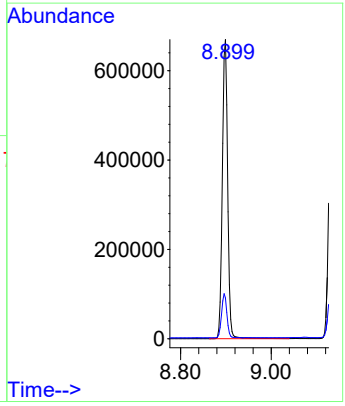


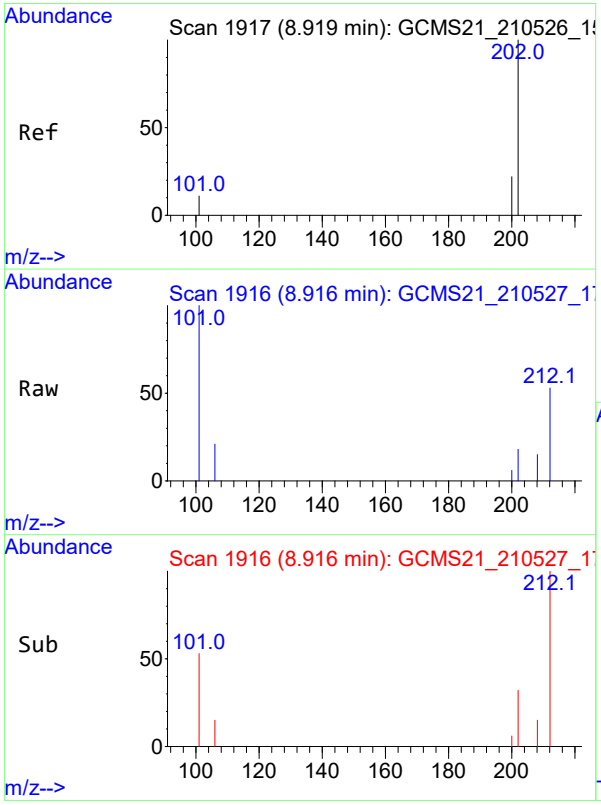


#14
Fluoranthene-D10
Concen: 337.50 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. -0.000 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:212 Resp: 544098

Ion	Ratio	Lower	Upper
212	100		
106	14.8	0.0	44.9

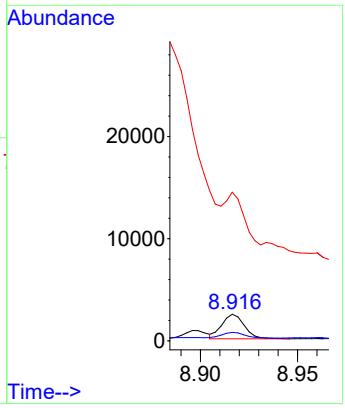


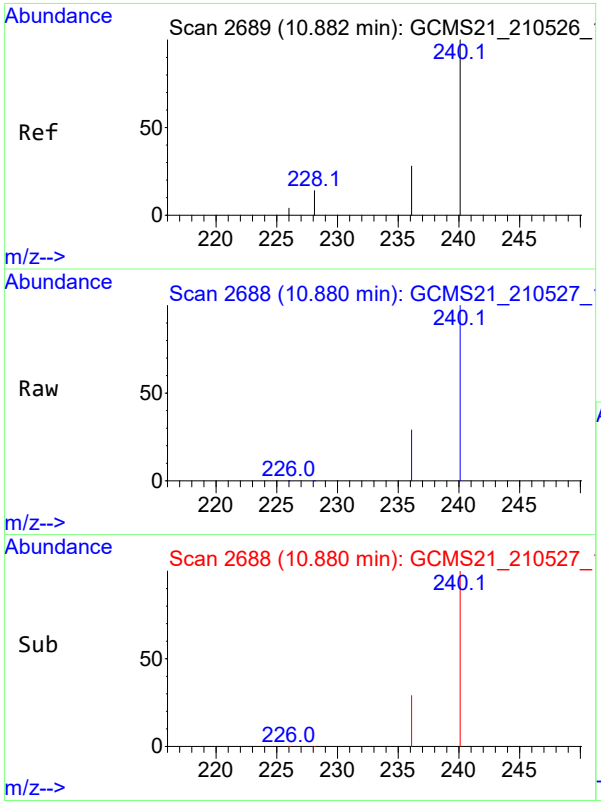


#15
Fluoranthene
Concen: 1.02 ng/mL
RT: 8.916 min Scan# 1916
Delta R.T. -0.003 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:202 Resp: 1932

Ion	Ratio	Lower	Upper
202	100		
200	23.9	0.0	52.4
101	544.6	0.0	41.1#

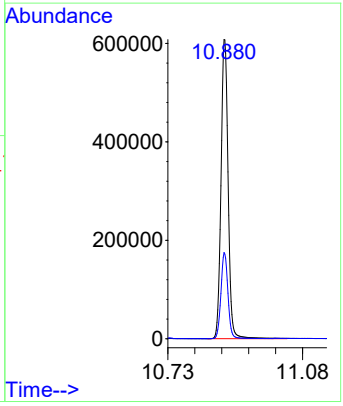


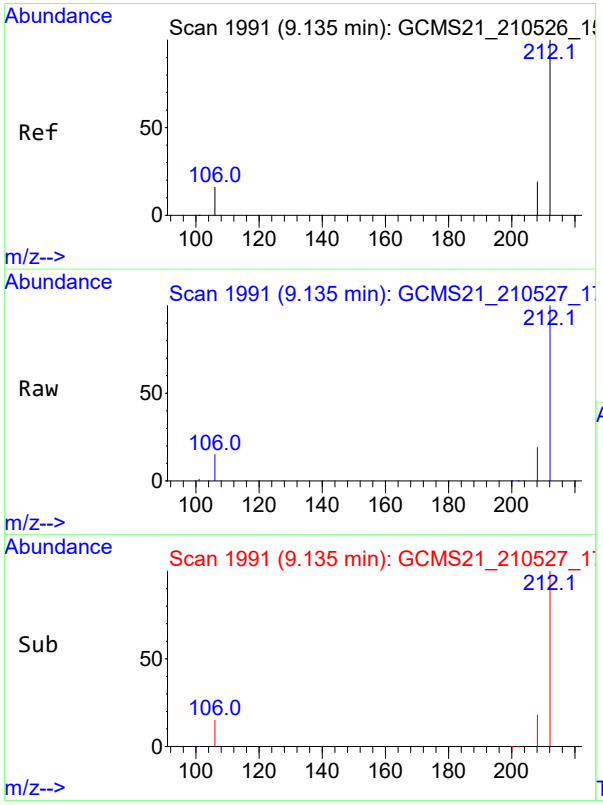


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.880 min Scan# 2688
Delta R.T. -0.002 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:240 Resp: 778046

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.6

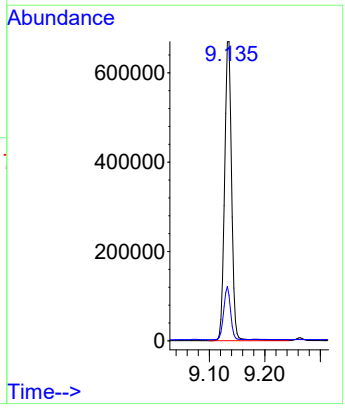


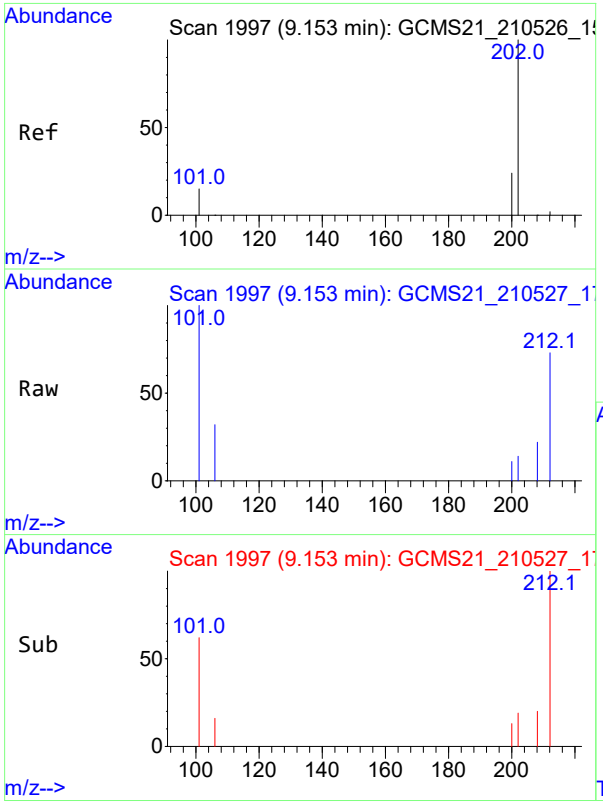


#17
Pyrene-D10
Concen: 331.81 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.000 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:212 Resp: 589016

Ion	Ratio	Lower	Upper
212	100		
106	17.2	0.0	46.2

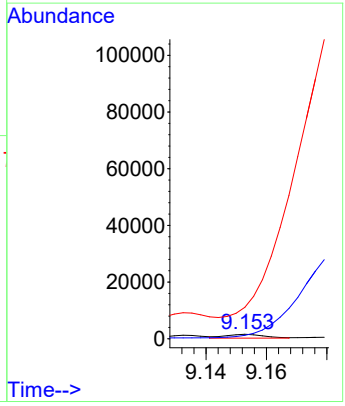


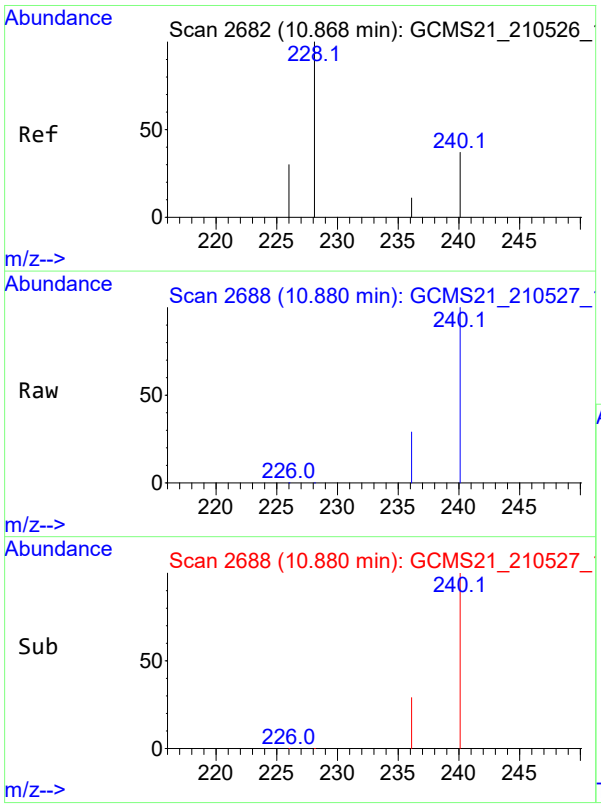


#18
Pyrene
Concen: 0.57 ng/mL
RT: 9.153 min Scan# 1997
Delta R.T. -0.000 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:202 Resp: 1190

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	53.9
101	0.0	0.0	44.5

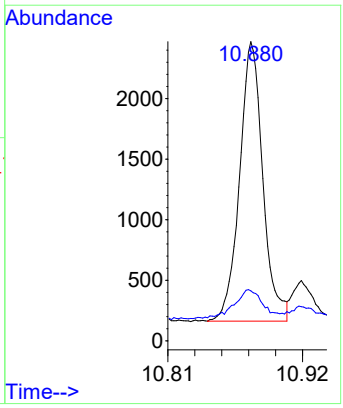


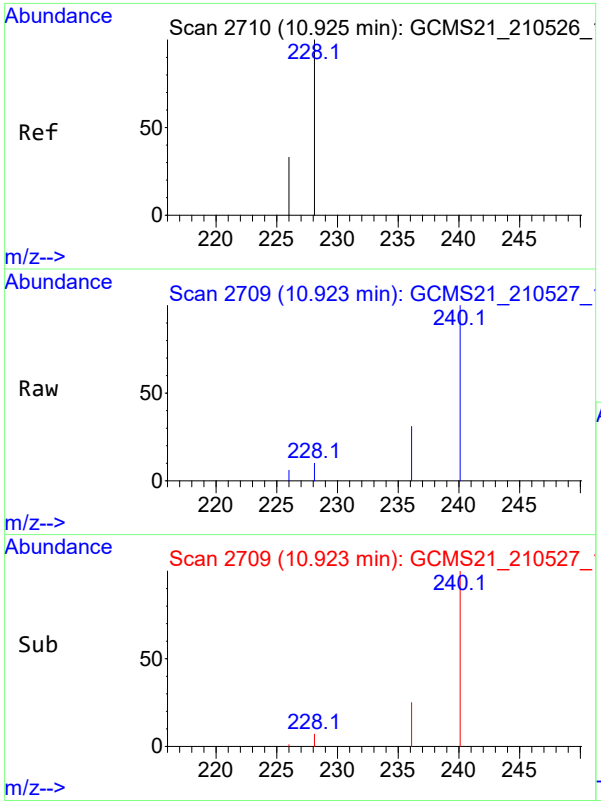


#19
Benzo(a)anthracene
Concen: 2.02 ng/mL
RT: 10.880 min Scan# 2688
Delta R.T. 0.012 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:228 Resp: 3161

Ion	Ratio	Lower	Upper
228	100		
226	12.2	0.0	59.8

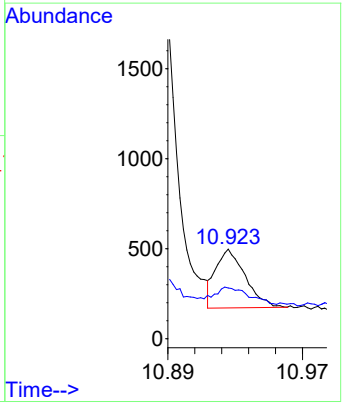


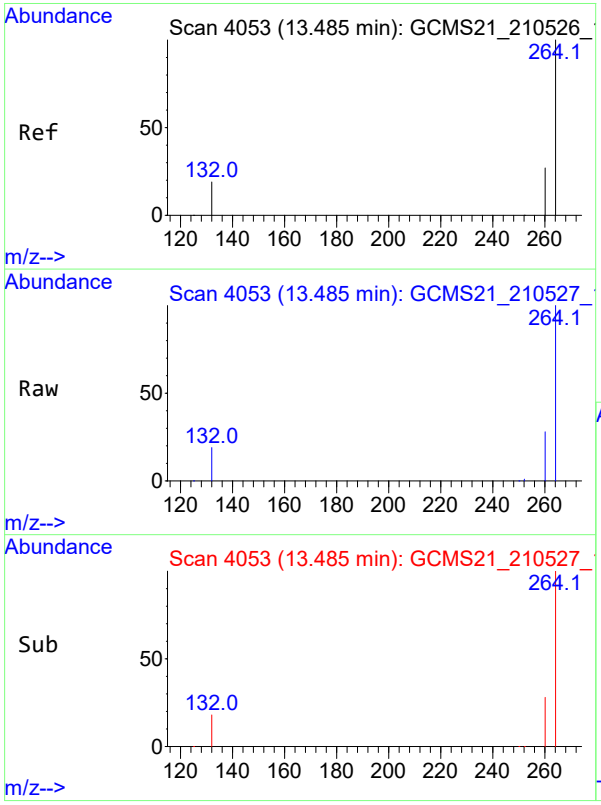


#20
Chrysene
Concen: 0.21 ng/mL
RT: 10.923 min Scan# 2709
Delta R.T. -0.002 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:228 Resp: 397

Ion	Ratio	Lower	Upper
228	100		
226	35.5	2.8	62.8

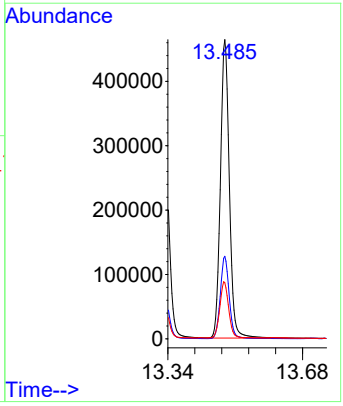


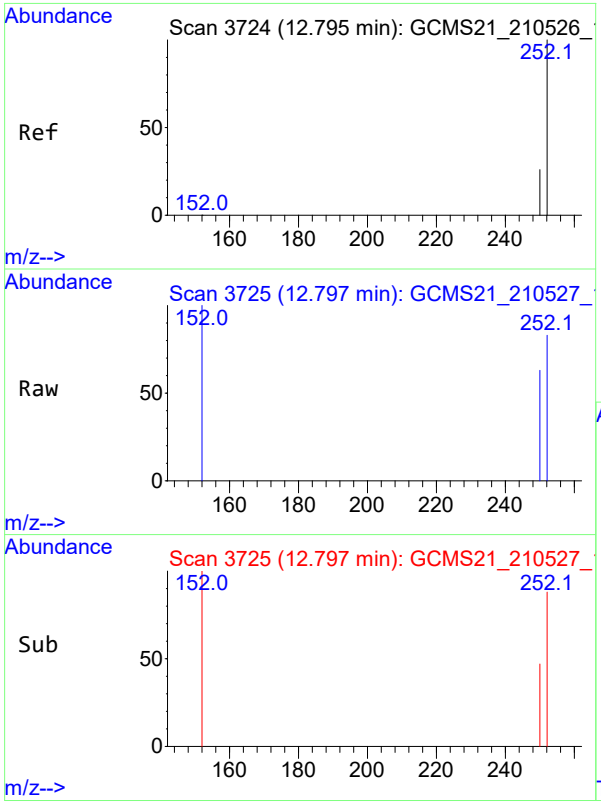


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.000 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:264 Resp: 727236

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.5
132	19.0	0.0	49.5

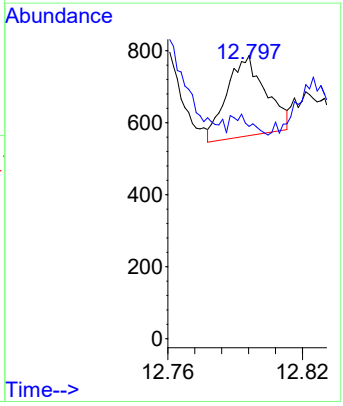


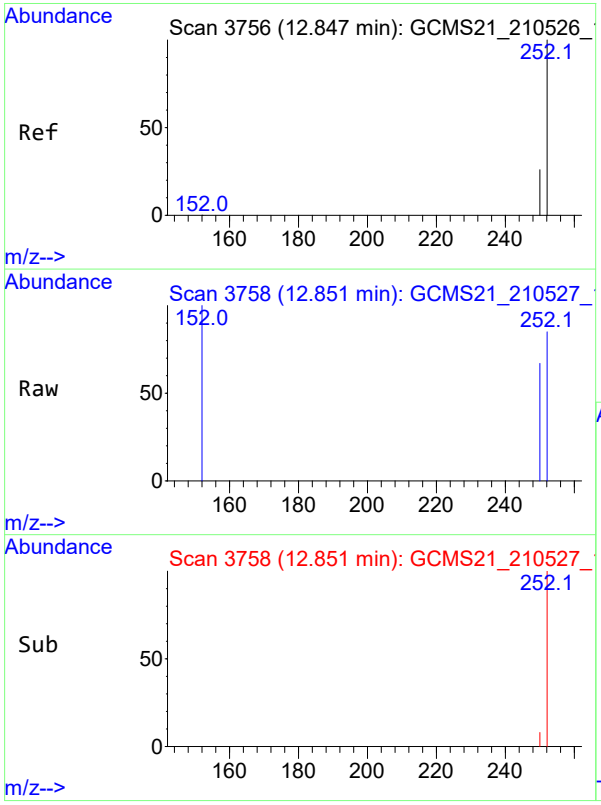


#22
Benzo(b)fluoranthene
Concen: 0.17 ng/mL
RT: 12.797 min Scan# 3725
Delta R.T. 0.002 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:252 Resp: 258

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	56.2

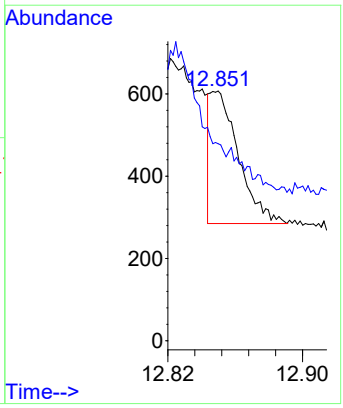


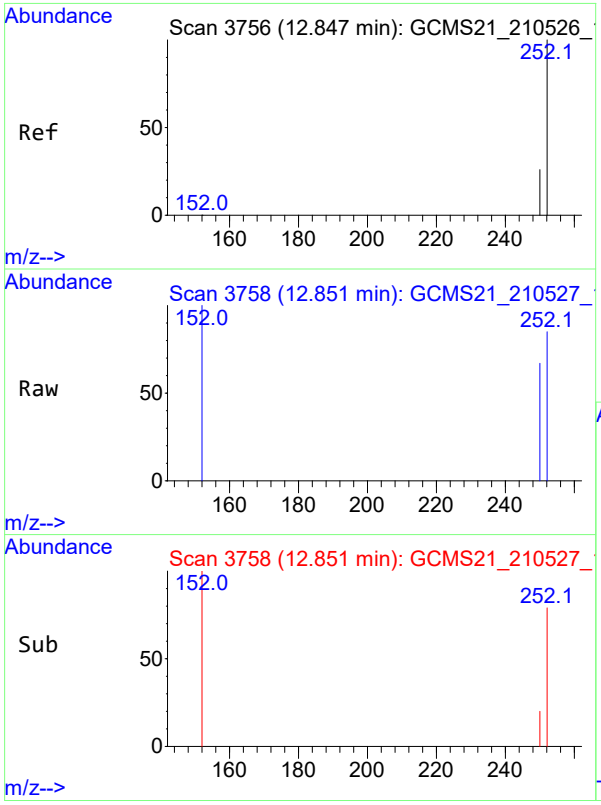


#23
Benzo(k)fluoranthene
Concen: 0.23 ng/mL
RT: 12.851 min Scan# 3758
Delta R.T. 0.003 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:252 Resp: 390

Ion	Ratio	Lower	Upper
252	100		
250	100.0	0.0	55.6#

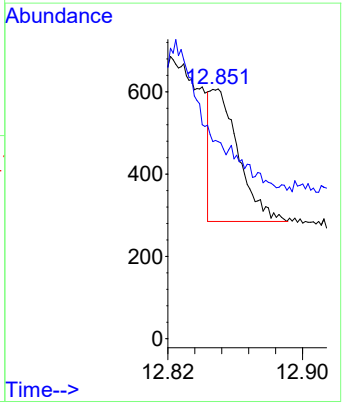


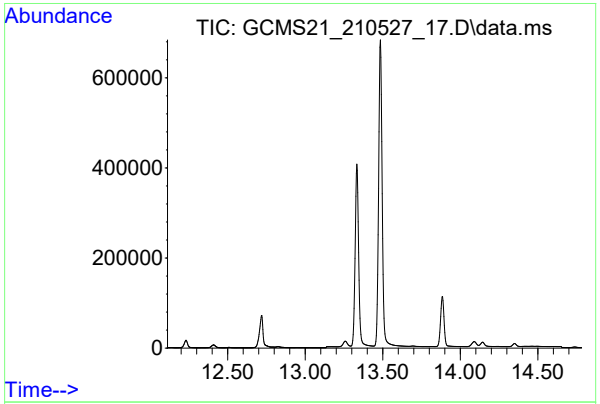


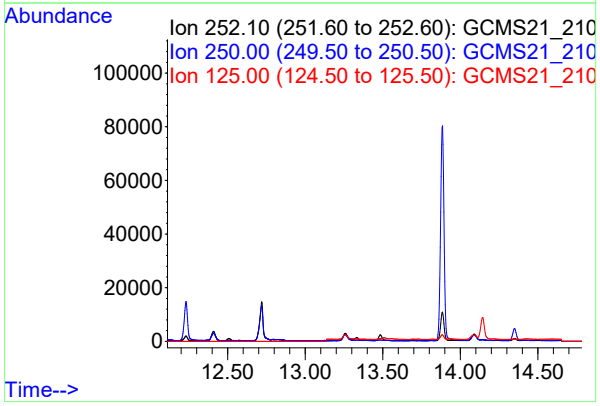
#24
benzo(b+k)fluoranthene (sum)
Concen: 0.24 ng/mL
RT: 12.851 min Scan# 3758
Delta R.T. 0.003 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:252 Resp: 390

Ion	Ratio	Lower	Upper
252	100		
250	100.0	0.0	55.6#





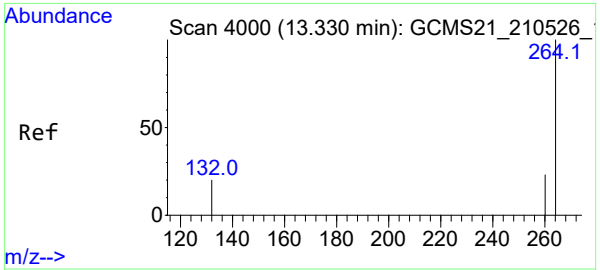


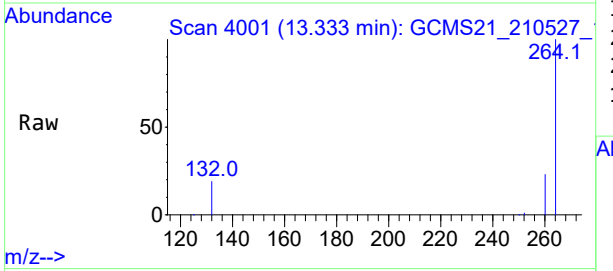
#25
Benzo(e)pyrene
Concen: N.D.
Expected RT: 13.28 min

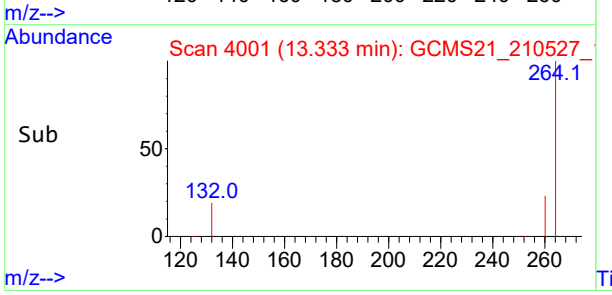
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	32.2
125	15.4



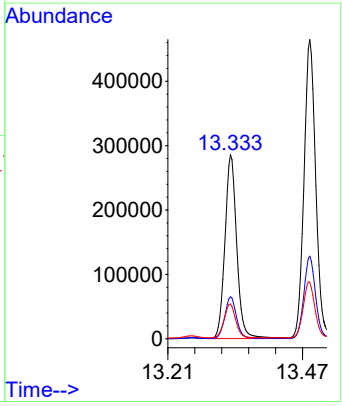


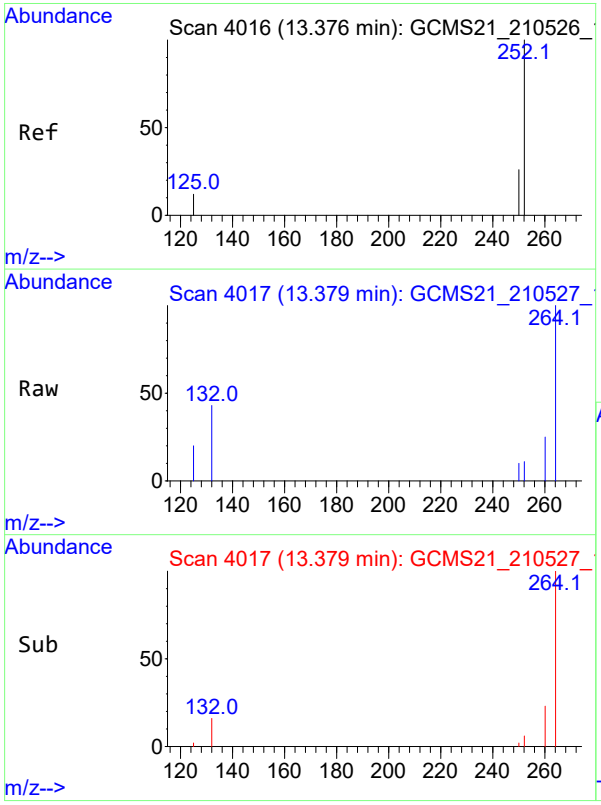


#26
Benzo(a)pyrene-D12
Concen: 378.96 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.003 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:264 Resp: 447759

Ion	Ratio	Lower	Upper
264	100		
260	22.8	0.0	53.0
132	18.4	0.0	49.7

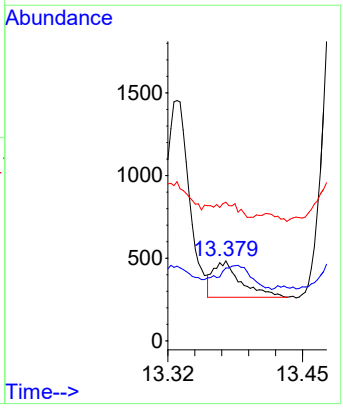


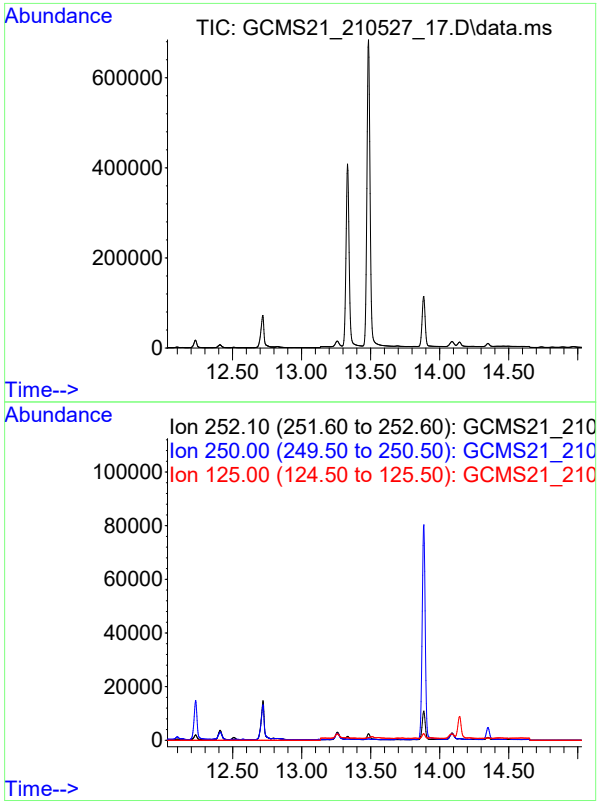


#27
Benzo(a)pyrene
Concen: 0.29 ng/mL
RT: 13.379 min Scan# 4017
Delta R.T. 0.003 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:252 Resp: 402

Ion	Ratio	Lower	Upper
252	100		
250	79.1	0.0	56.4#
125	27.6	0.0	41.7



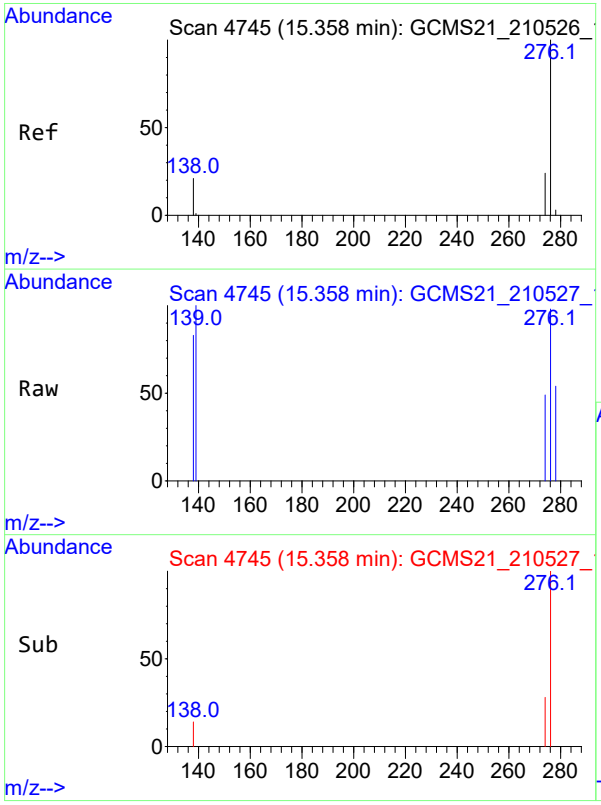


#28
Perylene
Concen: N.D.
Expected RT: 13.53 min

Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion: 252

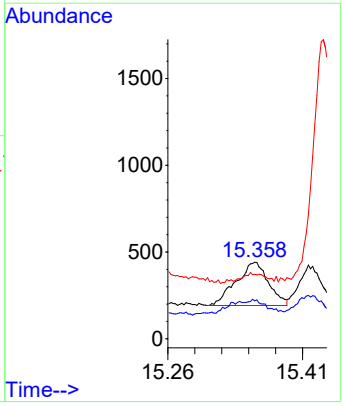
Sig	Exp Ratio
252	100
250	31.5
125	16.6

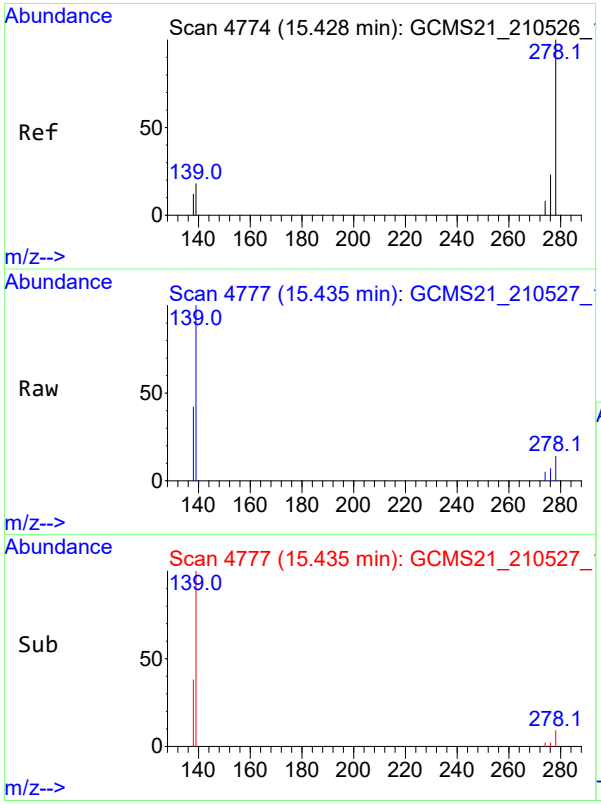


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.53 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.000 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:276 Resp: 630

Ion	Ratio	Lower	Upper
276	100		
274	0.0	0.0	53.8
138	0.0	0.0	50.7

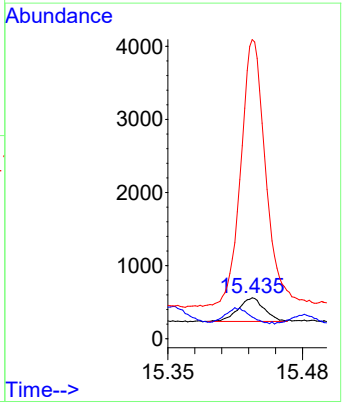


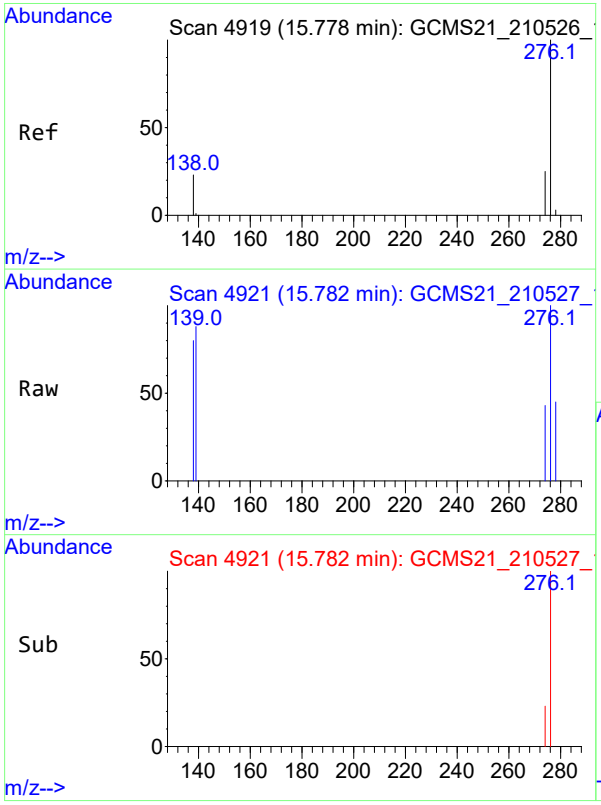


#30
Dibenz(a,h)anthracene
Concen: 0.48 ng/mL
RT: 15.435 min Scan# 4777
Delta R.T. 0.007 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:278 Resp: 565

Ion	Ratio	Lower	Upper
278	100		
276	70.6	0.0	52.8#
139	1116.8	0.0	47.6#

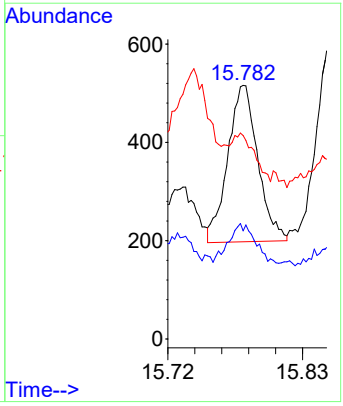




#31
Benzo(g,h,i)perylene
Concen: 0.38 ng/mL
RT: 15.782 min Scan# 4921
Delta R.T. 0.004 min
Lab File: GCMS21_210527_17.D
Acq: 27 May 2021 18:45

Tgt Ion:276 Resp: 584

Ion	Ratio	Lower	Upper
276	100		
274	22.1	0.0	54.8
138	23.6	0.0	52.9



Quantitation Report (QT Reviewed)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 527__B21E006\
Data File : GCMS21_210527_18.D
Acq On : 27 May 2021 07:10 pm
Operator : MN GCMS21
Sample : 2105001-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 21 13:48:05 2021
Quant Method : D:\Methods\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

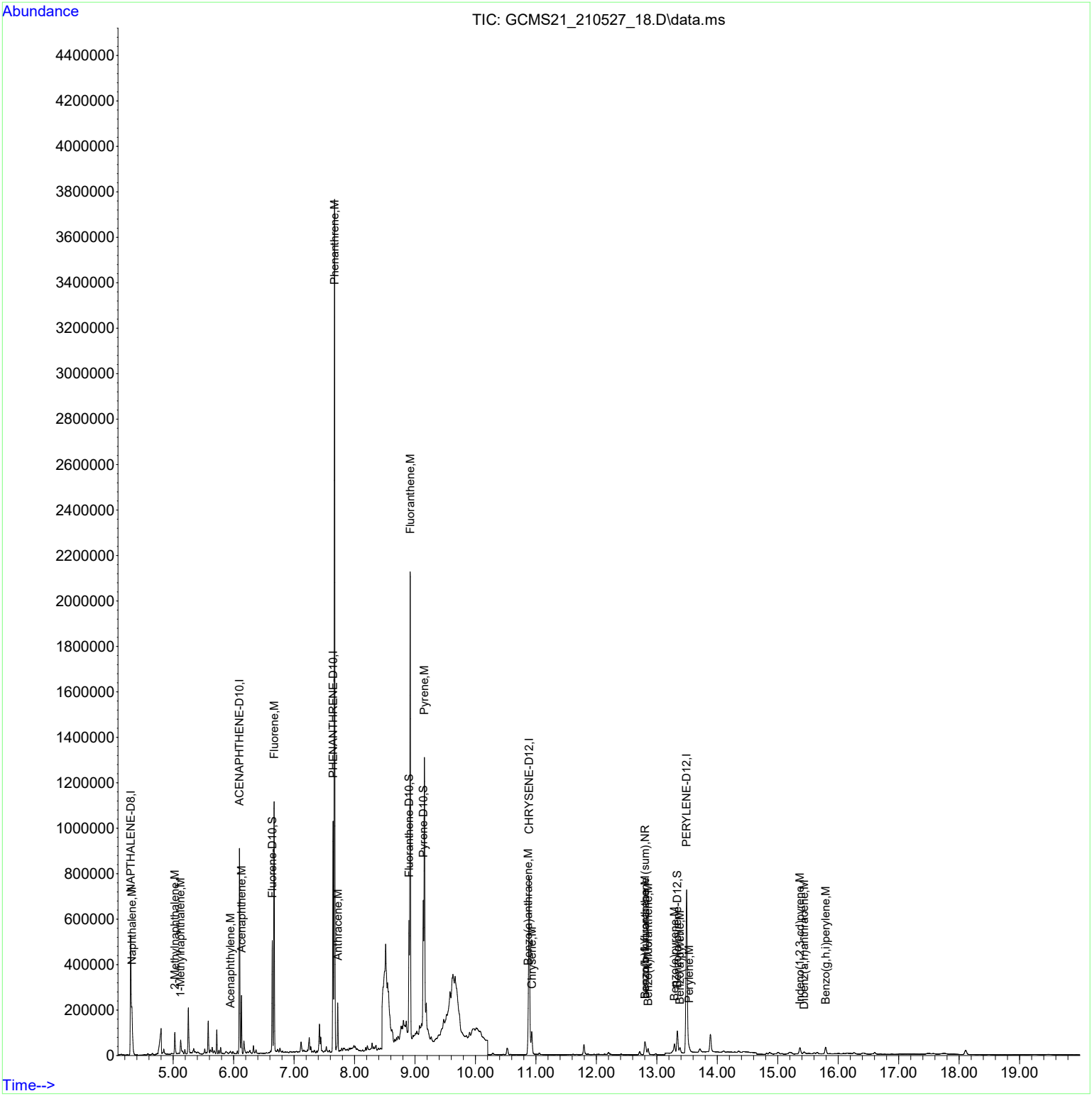
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	563562	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	337575	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	722216	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.889	240	753369	500.00	ng/mL	0.00
21) PERYLENE-D12	13.493	264	766802	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.639	176	199868	247.30	ng/mL	0.00
14) Fluoranthene-D10	8.902	212	318479	203.65	ng/mL	0.00
17) Pyrene-D10	9.138	212	364225	211.90	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.338	264	110225	88.48	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.318	128	114771	106.14	ng/mL	99
4) 2-Methylnaphthalene	5.028	142	37754	47.41	ng/mL	98
5) 1-Methylnaphthalene	5.124	142	18479	27.86	ng/mL	97
7) Acenaphthylene	5.945	152	7002	6.25	ng/mL#	56
8) Acenaphthene	6.129	153	71431	83.29	ng/mL	98
10) Fluorene	6.670	166	413134	435.20	ng/mL	100
12) Phenanthrene	7.670	178	2147315	1231.94	ng/mL	99
13) Anthracene	7.722	178	134469	92.78	ng/mL	94
15) Fluoranthene	8.922	202	1230294	668.78	ng/mL	99
18) Pyrene	9.156	202	725194	361.18	ng/mL	82
19) Benzo(a)anthracene	10.872	228	78624	51.89	ng/mL	99
20) Chrysene	10.931	228	120481	64.40	ng/mL	97
22) Benzo(b)fluoranthene	12.803	252	87614	55.04	ng/mL	96
23) Benzo(k)fluoranthene	12.855	252	31713	17.98	ng/mL	82
24) benzo(b+k)fluoranthene...	12.803	252	118844m	68.72	ng/mL	
25) Benzo(e)pyrene	13.292	252	45469m	28.32	ng/mL	I, B on Qion 125 MN 07.21.21
27) Benzo(a)pyrene	13.382	252	26267	18.08	ng/mL	97
28) Perylene	13.534	252	10589	6.49	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.368	276	32645	26.26	ng/mL	97
30) Dibenz(a,h)anthracene	15.435	278	9970	8.05	ng/mL	79
31) Benzo(g,h,i)perylene	15.792	276	34529	21.38	ng/mL	98

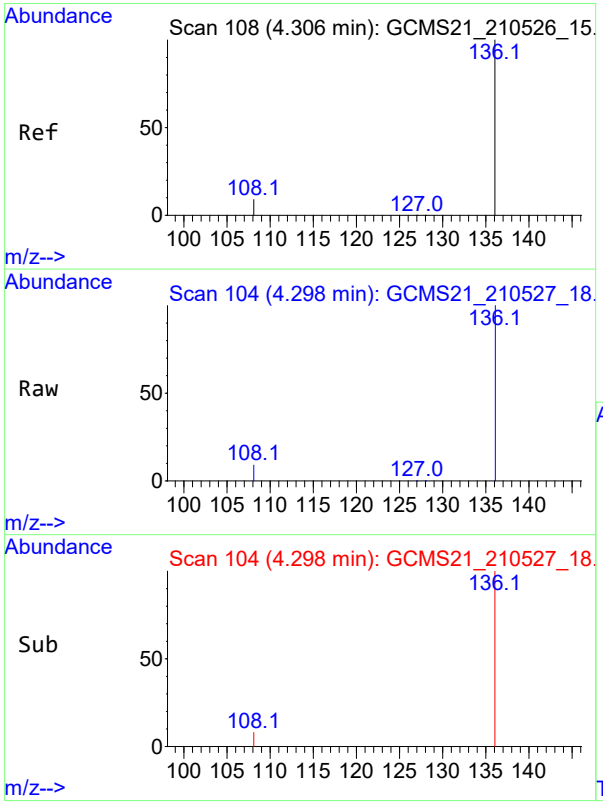
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
...527__B21E006\
Data File : GCMS21_210527_18.D
Acq On : 27 May 2021 07:10 pm
Operator : MN GCMS21
Sample : 2105001-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 21 13:48:05 2021
Quant Method : D:\Methods\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

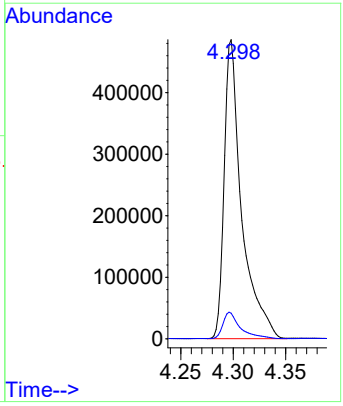


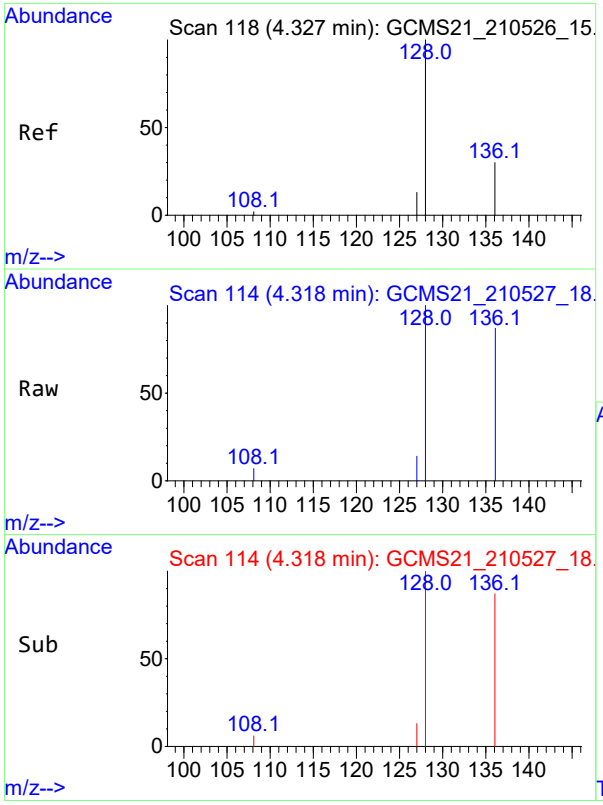


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:136 Resp: 563562

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	28.3

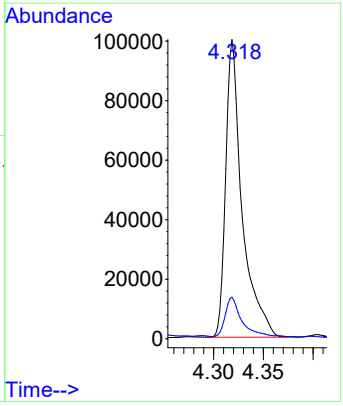


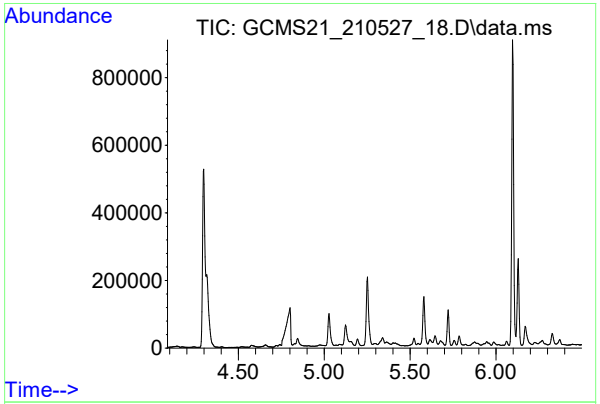


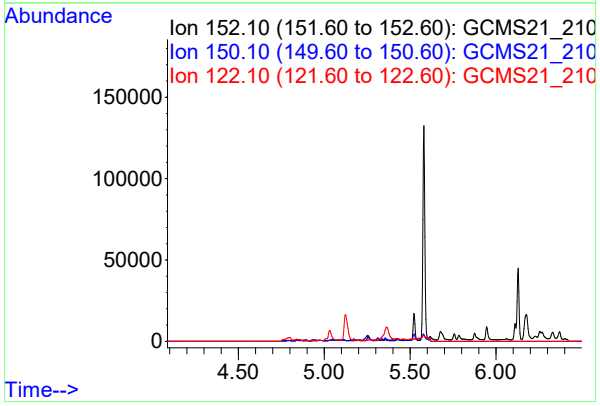
#2
Naphthalene
Concen: 106.14 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:128 Resp: 114771

Ion	Ratio	Lower	Upper
128	100		
127	13.8	0.0	43.3





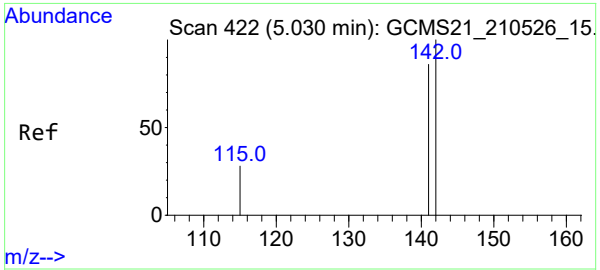


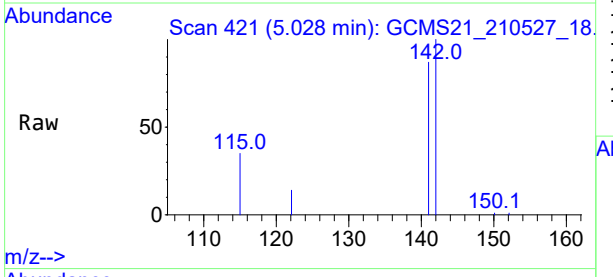
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.00 min

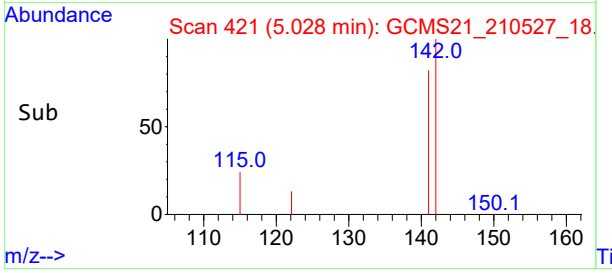
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5



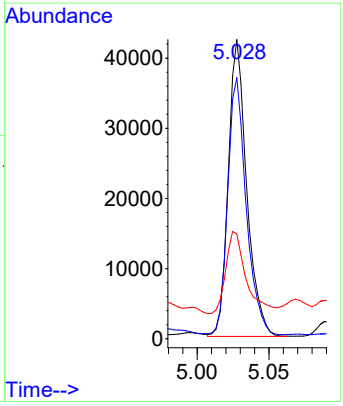


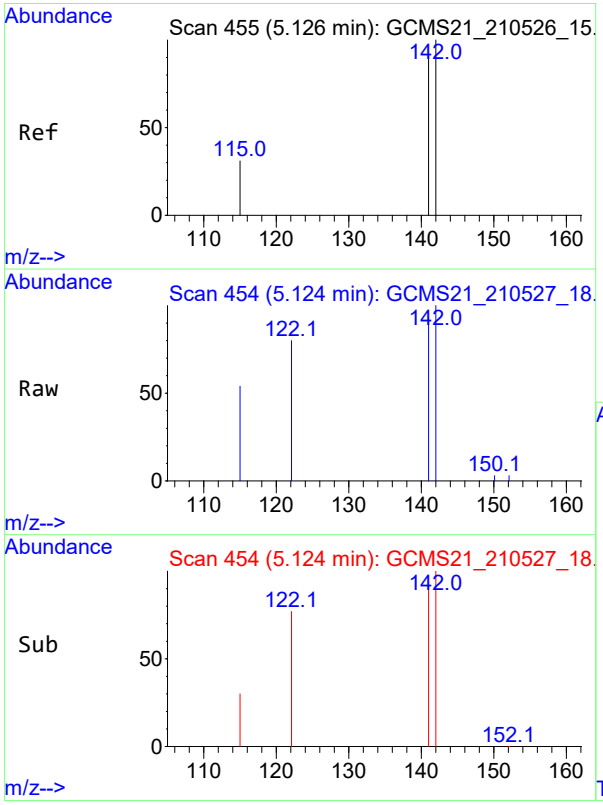


#4
2-Methylnaphthalene
Concen: 47.41 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:142 Resp: 37754

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.3	116.3
115	30.2	0.0	57.4

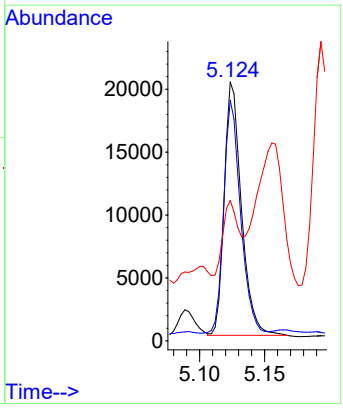


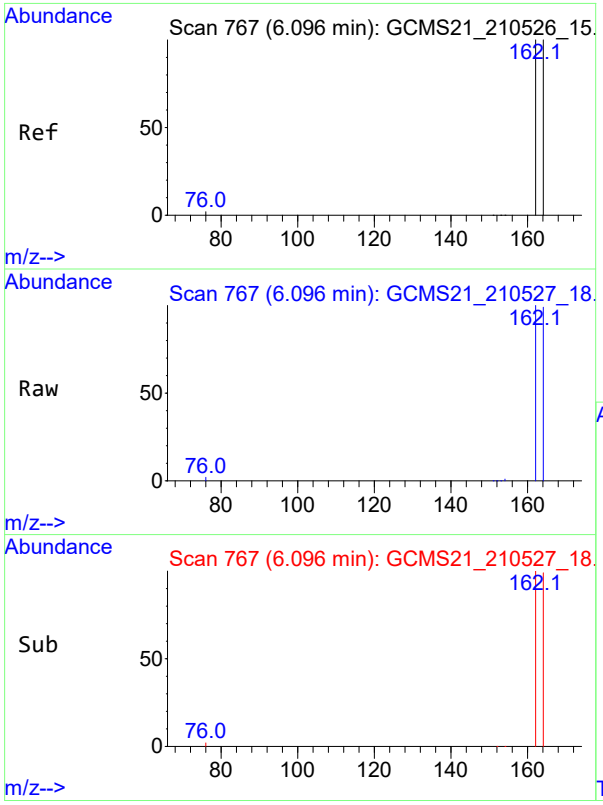


#5
1-Methylnaphthalene
Concen: 27.86 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:142 Resp: 18479

Ion	Ratio	Lower	Upper
142	100		
141	90.0	61.5	121.5
115	26.1	0.2	60.2

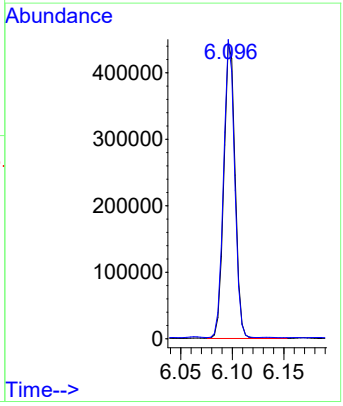


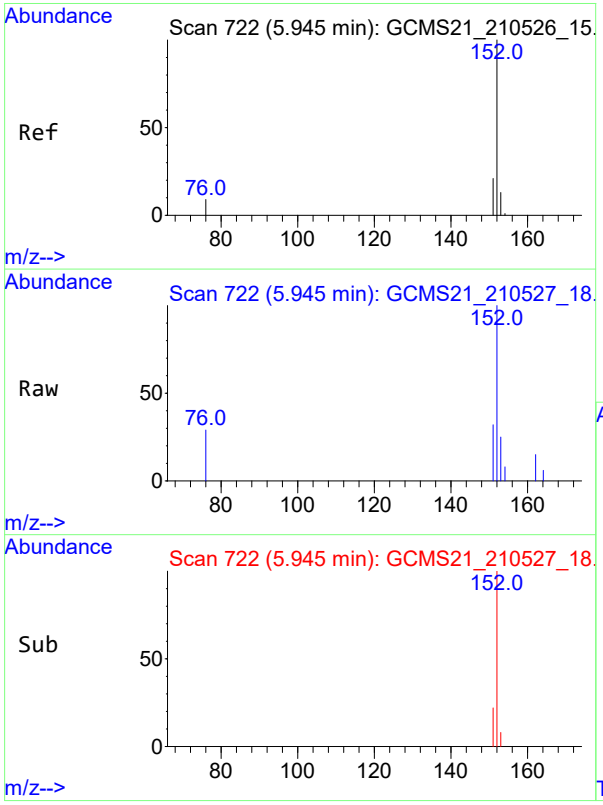


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:164 Resp: 337575

Ion	Ratio	Lower	Upper
164	100		
162	99.4	77.7	117.7

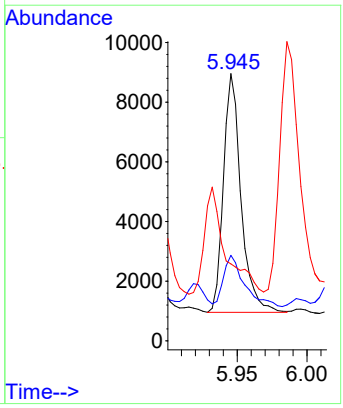


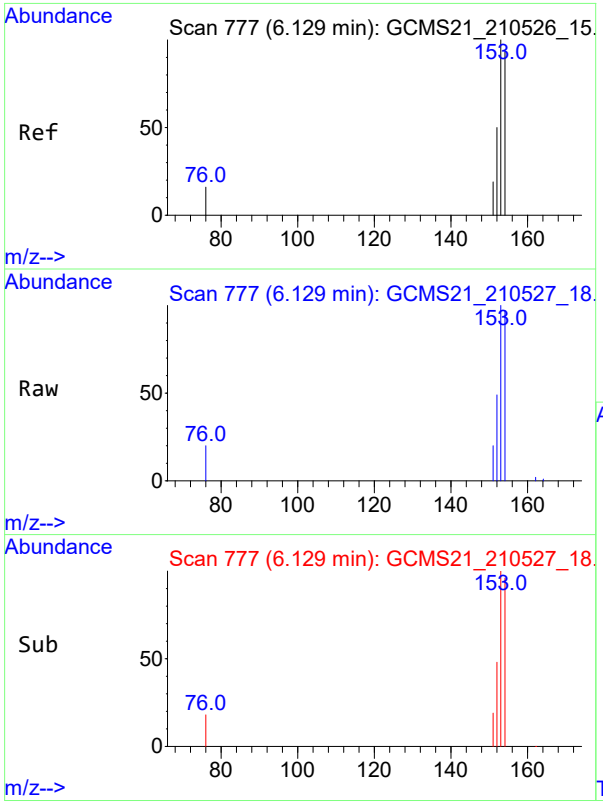


#7
Acenaphthylene
Concen: 6.25 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:152 Resp: 7002

Ion	Ratio	Lower	Upper
152	100		
151	26.7	0.0	52.0
76	54.4	0.0	39.5#

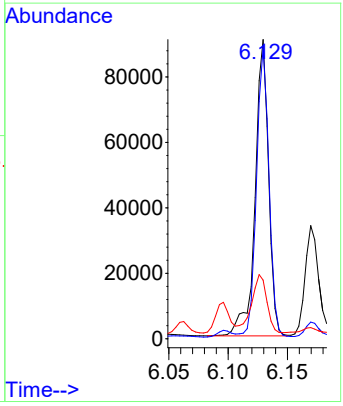


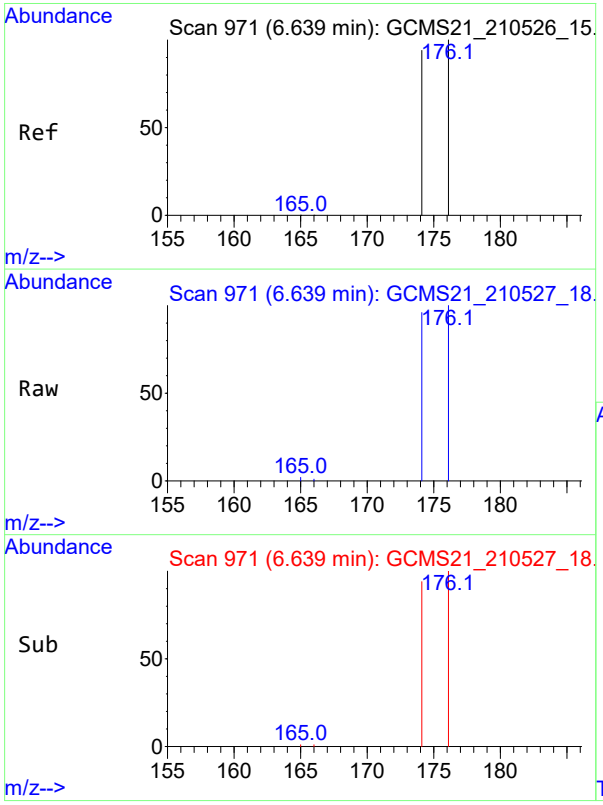


#8
Acenaphthene
Concen: 83.29 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:153 Resp: 71431

Ion	Ratio	Lower	Upper
153	100		
154	90.1	60.4	120.4
76	22.6	0.0	47.4

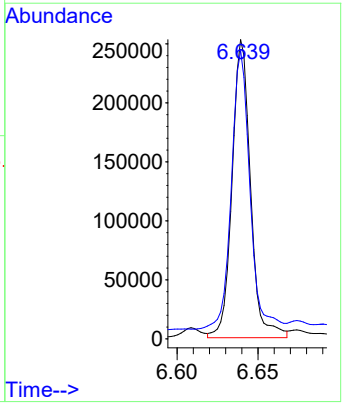


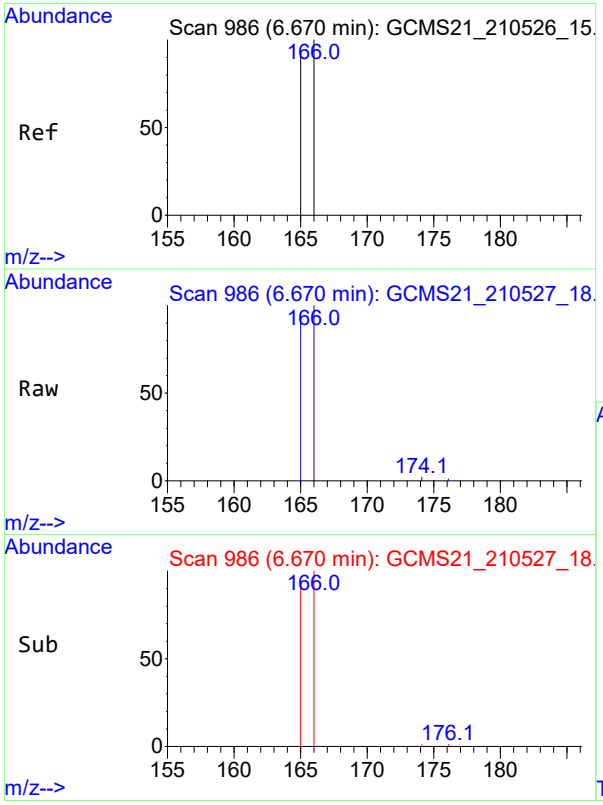


#9
Fluorene-D10
Concen: 247.30 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:176 Resp: 199868

Ion	Ratio	Lower	Upper
176	100		
174	95.1	63.9	123.9

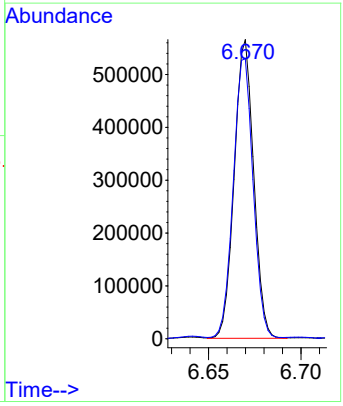


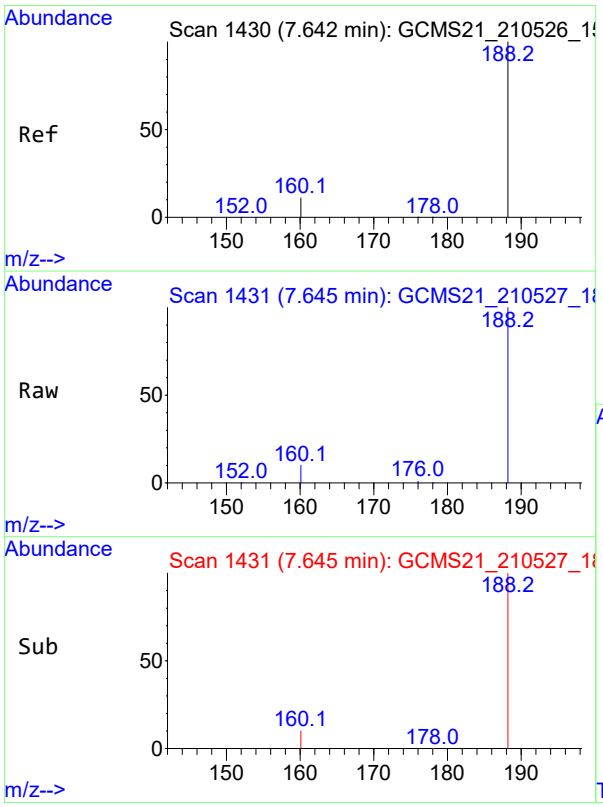


#10
Fluorene
Concen: 435.20 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:166 Resp: 413134

Ion	Ratio	Lower	Upper
166	100		
165	95.6	65.1	125.1

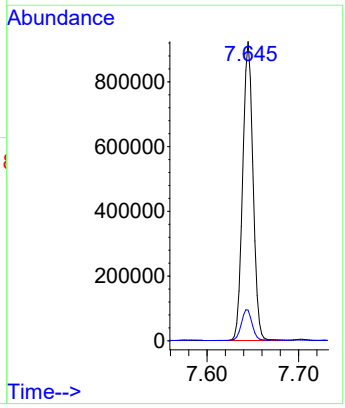


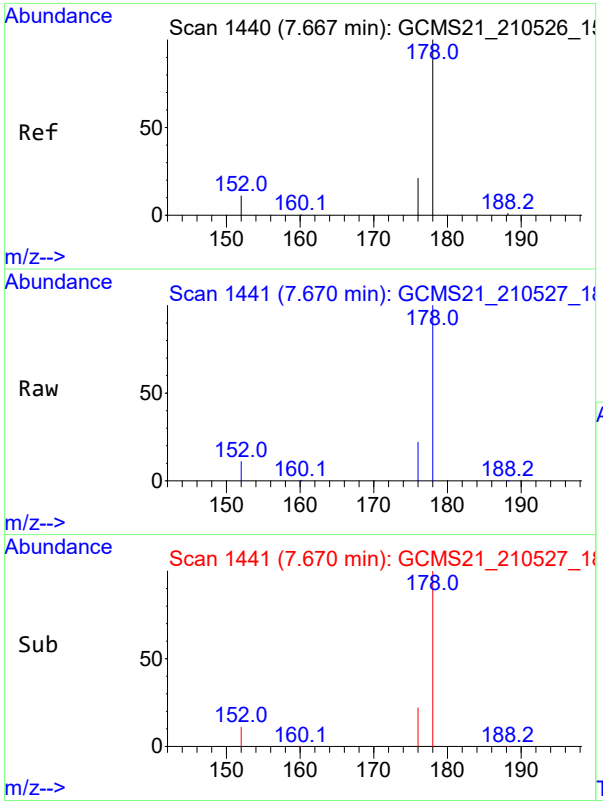


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.002 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:188 Resp: 722216

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	39.8

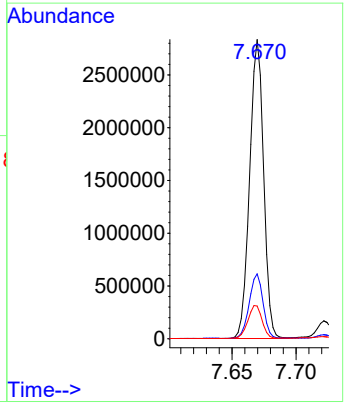


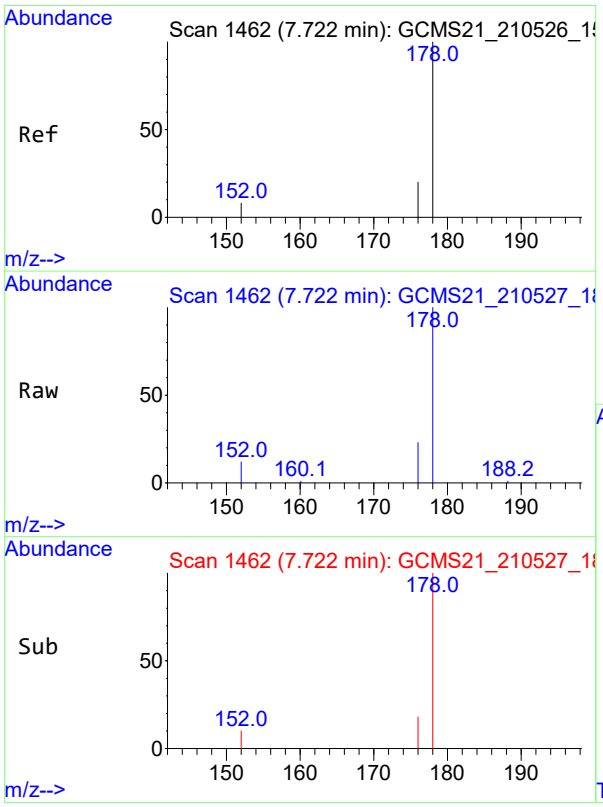


#12
Phenanthrene
Concen: 1231.94 ng/mL
RT: 7.670 min Scan# 1441
Delta R.T. 0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:178 Resp: 2147315

Ion	Ratio	Lower	Upper
178	100		
176	21.2	0.0	50.9
152	11.3	0.0	40.5

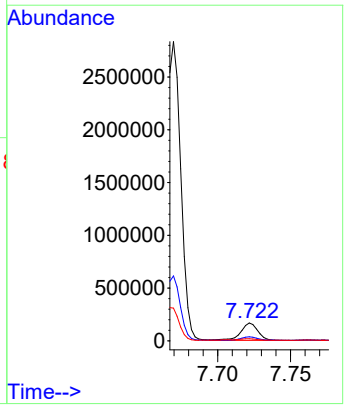


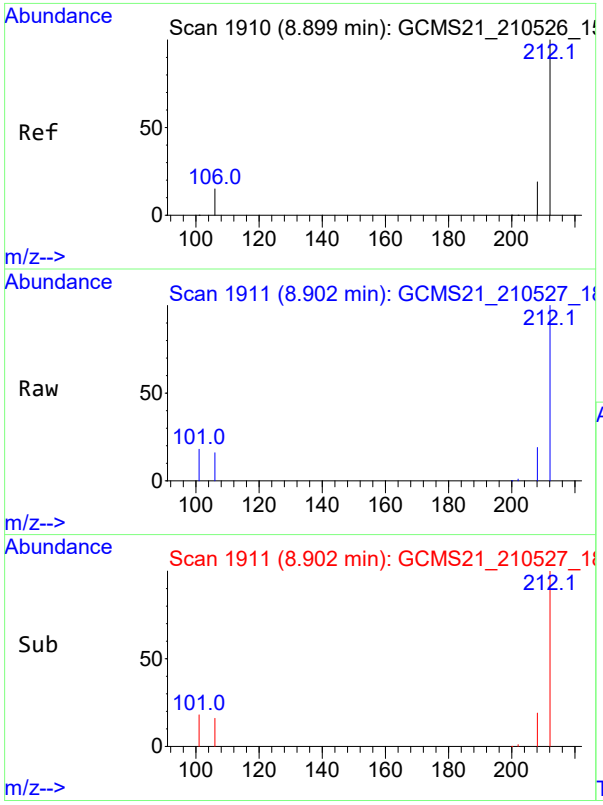


#13
Anthracene
Concen: 92.78 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:178 Resp: 134469

Ion	Ratio	Lower	Upper
178	100		
176	19.0	0.0	50.2
152	13.4	0.0	38.2

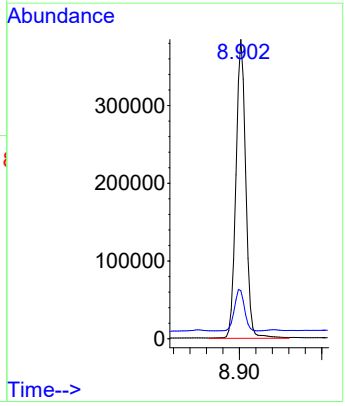


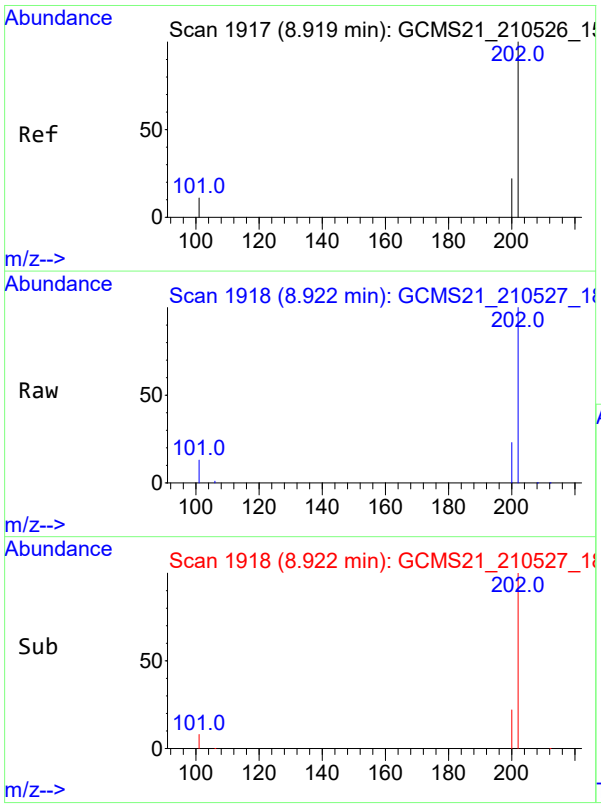


#14
Fluoranthene-D10
Concen: 203.65 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:212 Resp: 318479

Ion	Ratio	Lower	Upper
212	100		
106	14.0	0.0	44.9

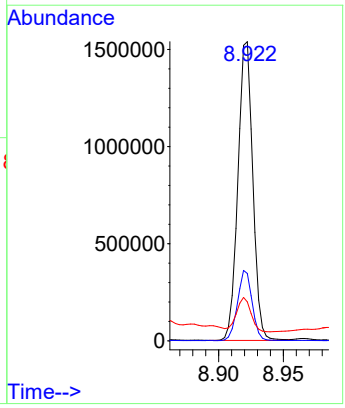


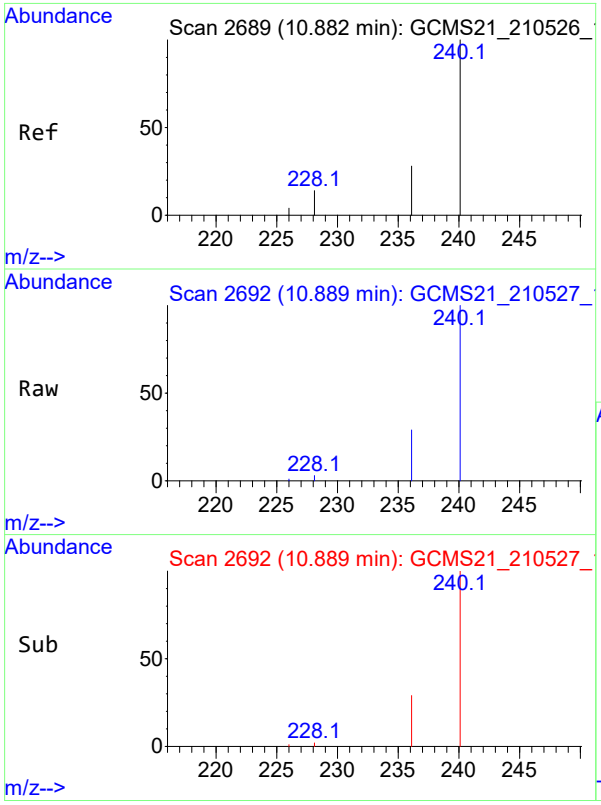


#15
Fluoranthene
Concen: 668.78 ng/mL
RT: 8.922 min Scan# 1918
Delta R.T. 0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:202 Resp: 1230294

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	52.4
101	11.1	0.0	41.1

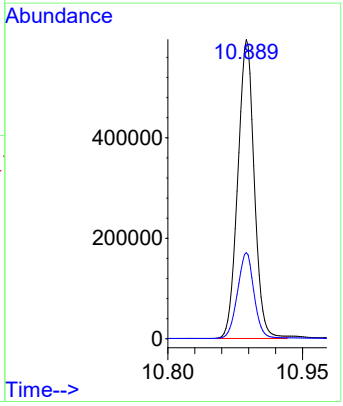


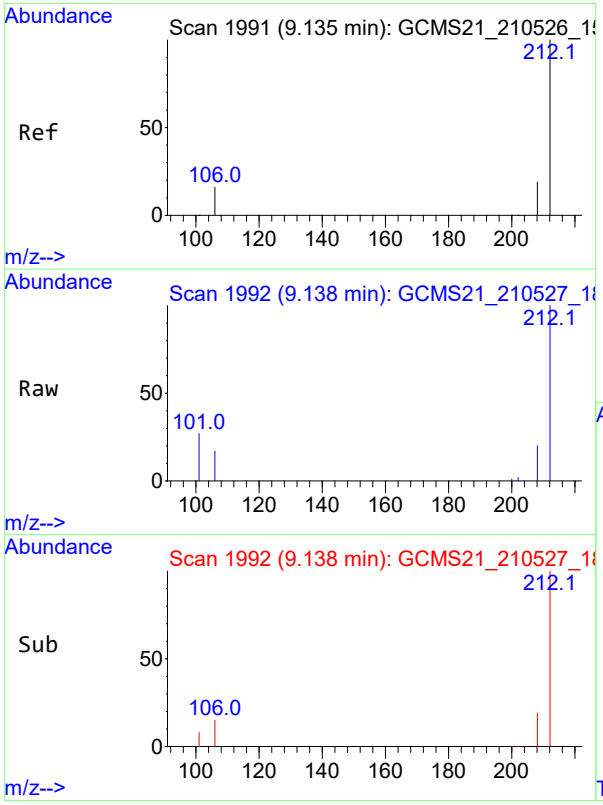


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.889 min Scan# 2692
Delta R.T. 0.006 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:240 Resp: 753369

Ion	Ratio	Lower	Upper
240	100		
236	29.1	0.0	58.6

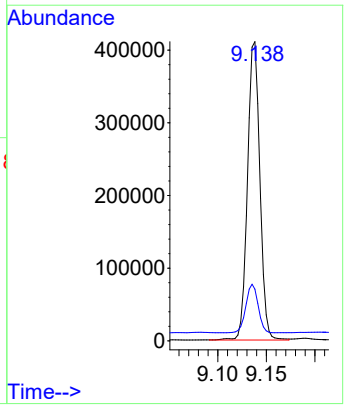


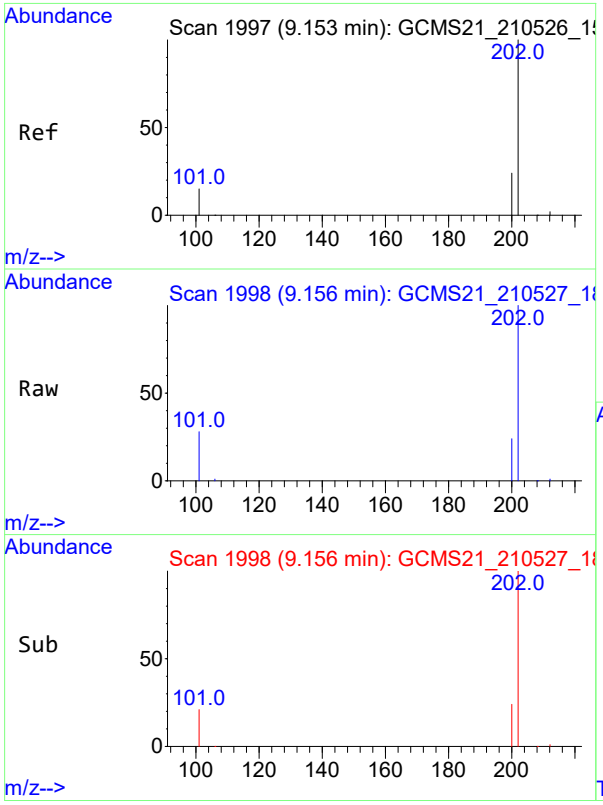


#17
Pyrene-D10
Concen: 211.90 ng/mL
RT: 9.138 min Scan# 1992
Delta R.T. 0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:212 Resp: 364225

Ion	Ratio	Lower	Upper
212	100		
106	16.3	0.0	46.2

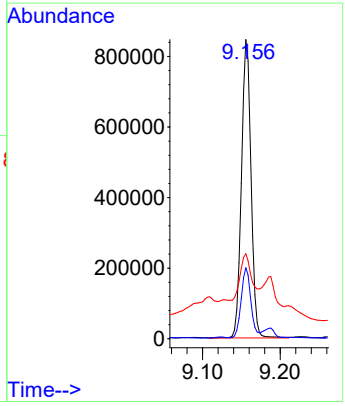


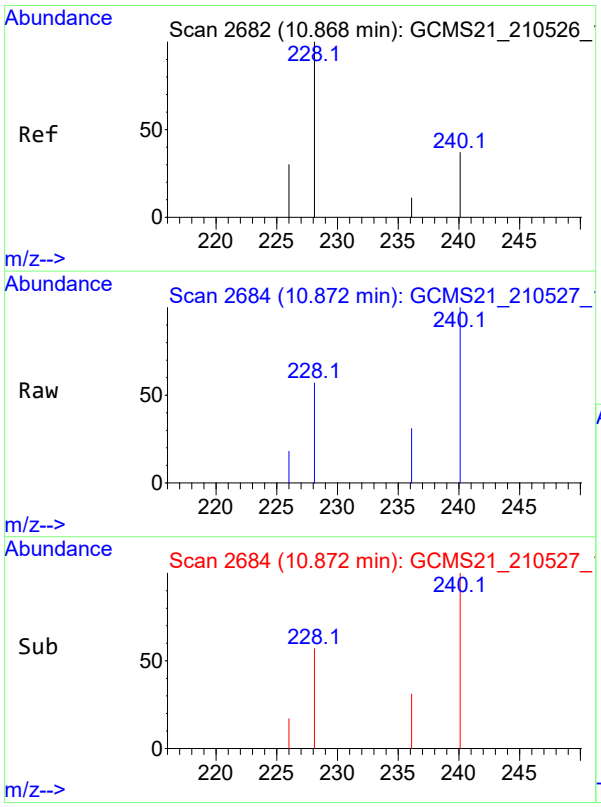


#18
Pyrene
Concen: 361.18 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:202 Resp: 725194

Ion	Ratio	Lower	Upper
202	100		
200	24.0	0.0	53.9
101	33.9	0.0	44.5

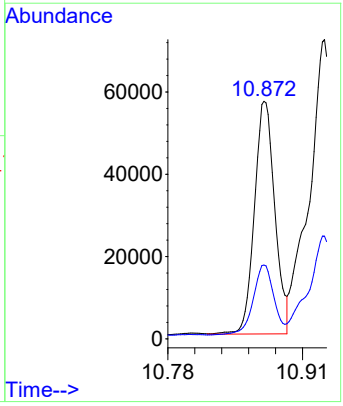


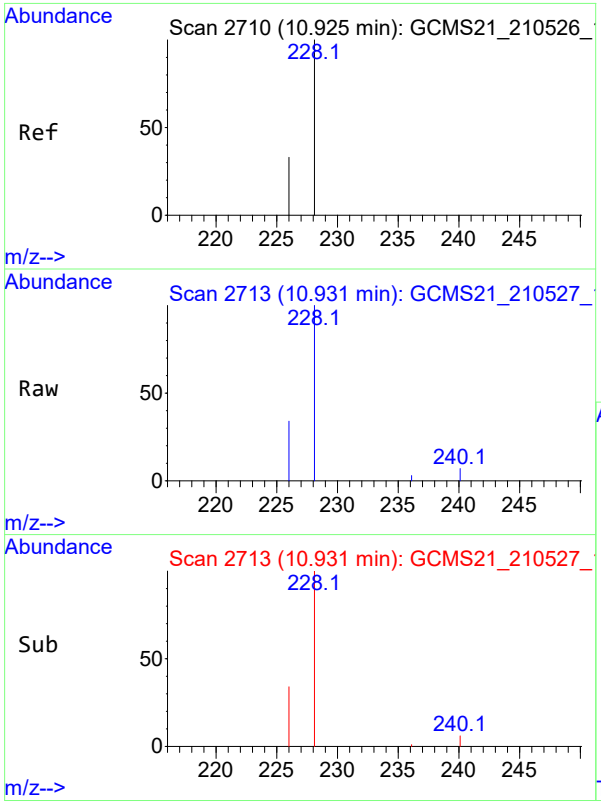


#19
Benzo(a)anthracene
Concen: 51.89 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. 0.004 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:228 Resp: 78624

Ion	Ratio	Lower	Upper
228	100		
226	30.4	0.0	59.8

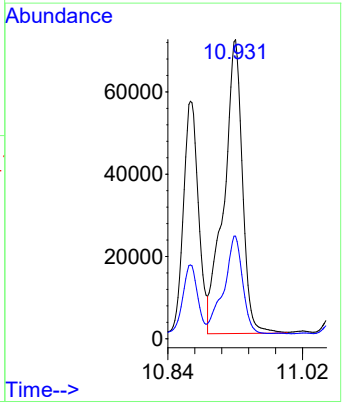


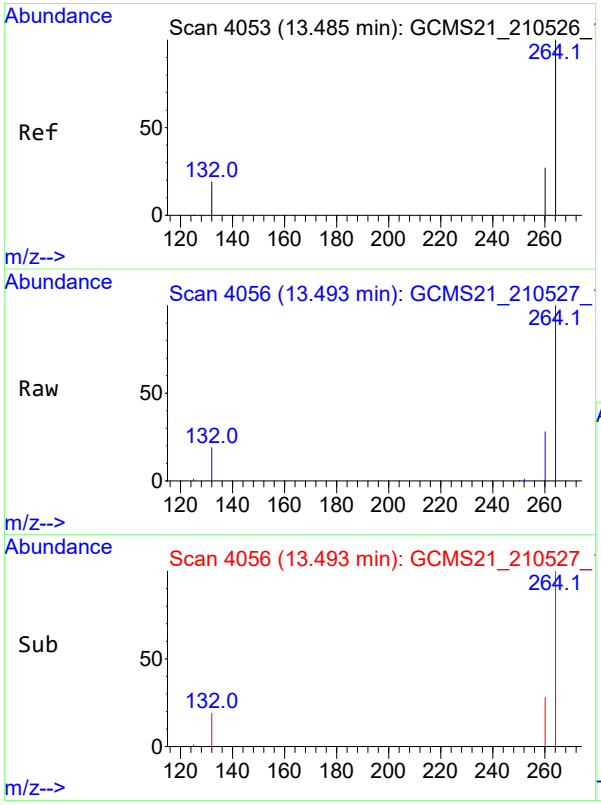


#20
Chrysene
Concen: 64.40 ng/mL
RT: 10.931 min Scan# 2713
Delta R.T. 0.006 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:228 Resp: 120481

Ion	Ratio	Lower	Upper
228	100		
226	34.6	2.8	62.8

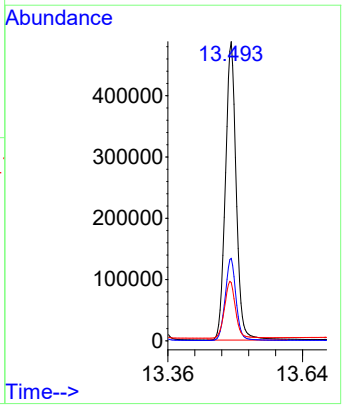


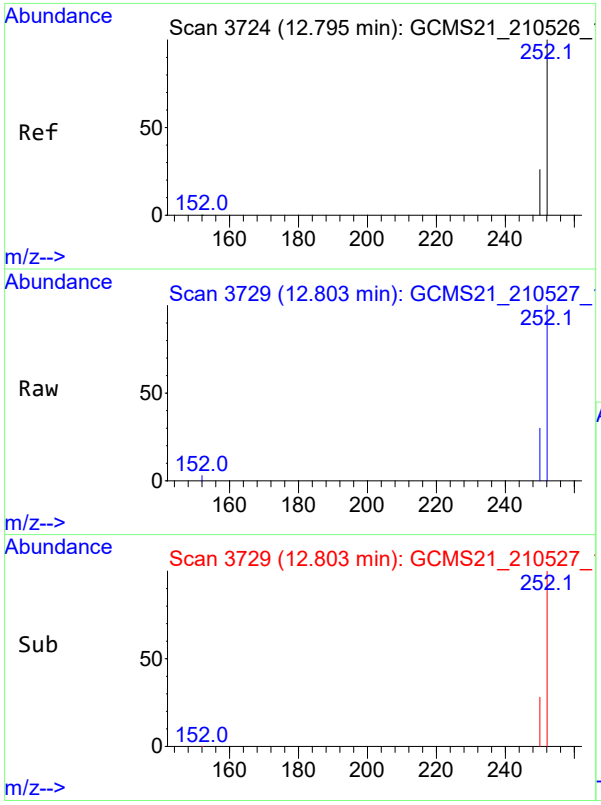


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.493 min Scan# 4056
Delta R.T. 0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:264 Resp: 766802

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.5
132	19.5	0.0	49.5

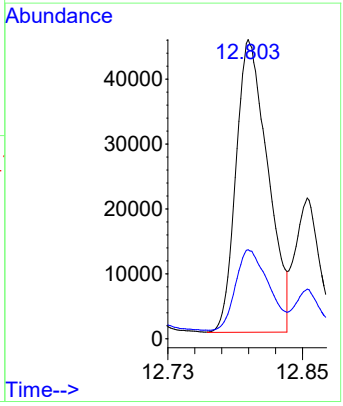


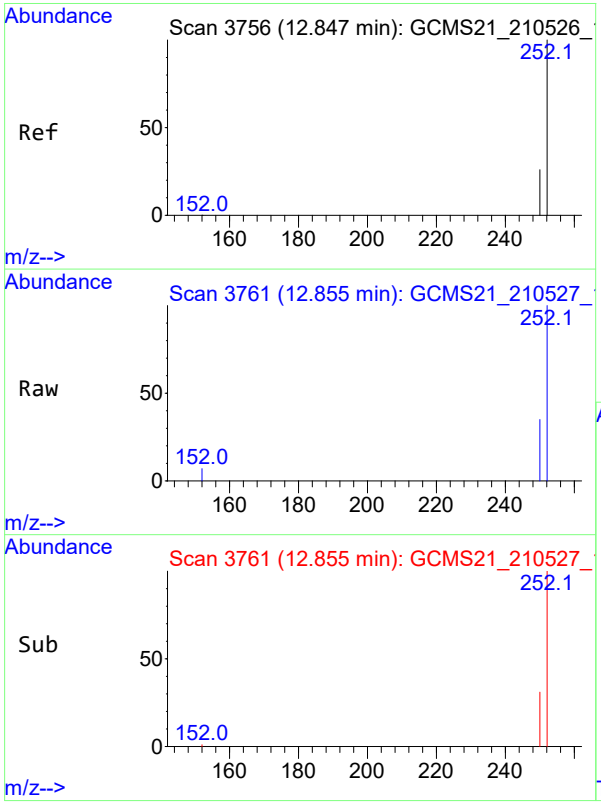


#22
Benzo(b)fluoranthene
Concen: 55.04 ng/mL
RT: 12.803 min Scan# 3729
Delta R.T. 0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:252 Resp: 87614

Ion	Ratio	Lower	Upper
252	100		
250	28.5	0.0	56.2

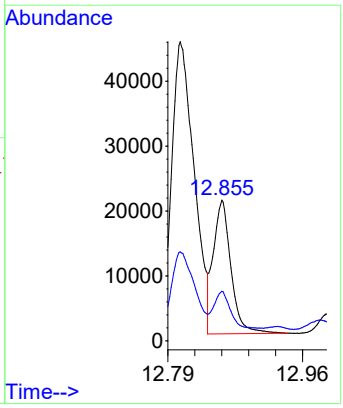


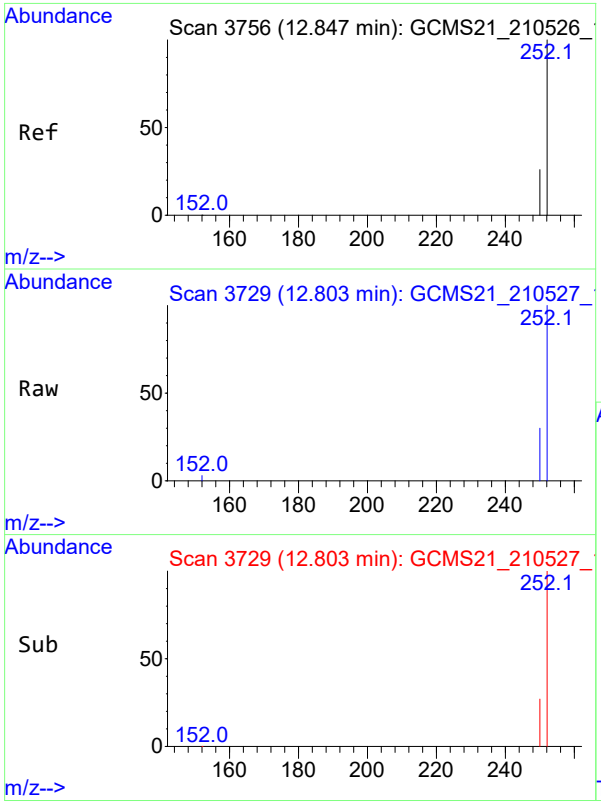


#23
Benzo(k)fluoranthene
Concen: 17.98 ng/mL
RT: 12.855 min Scan# 3761
Delta R.T. 0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:252 Resp: 31713

Ion	Ratio	Lower	Upper
252	100		
250	34.8	0.0	55.6

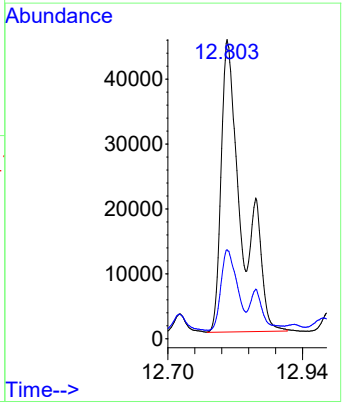


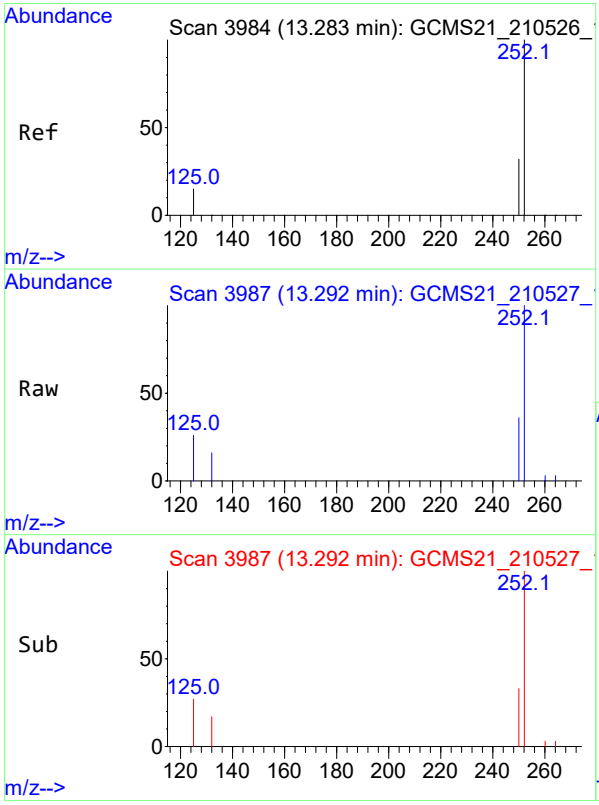


#24
benzo(b+k)fluoranthene (sum)
Concen: 68.72 ng/mL m
RT: 12.803 min Scan# 3729
Delta R.T. -0.044 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:252 Resp: 118844

Ion	Ratio	Lower	Upper
252	100		
250	29.6	0.0	55.6

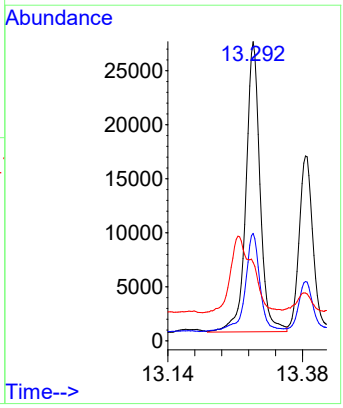


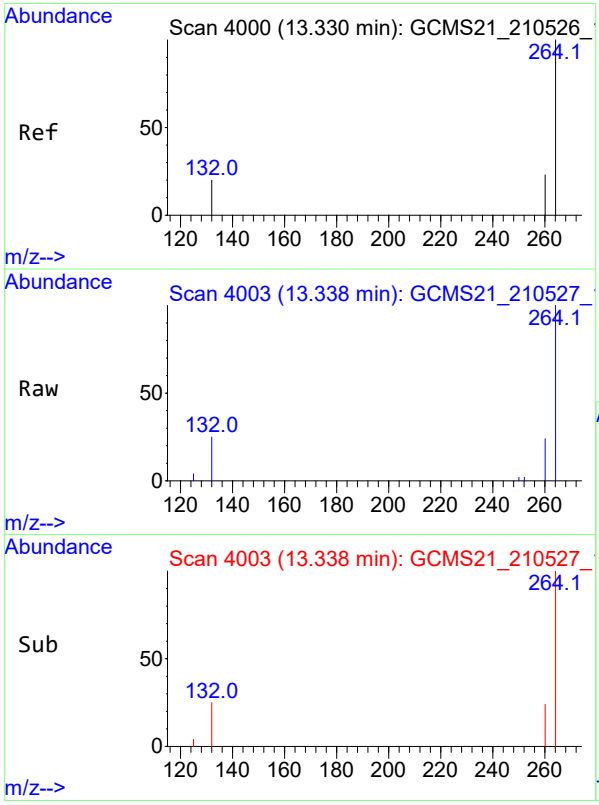


#25
Benzo(e)pyrene
Concen: 28.32 ng/mL m
RT: 13.292 min Scan# 3987
Delta R.T. 0.009 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:252 Resp: 45469

Ion	Ratio	Lower	Upper
252	100		
250	35.9	2.2	62.2
125	19.9	0.0	45.4

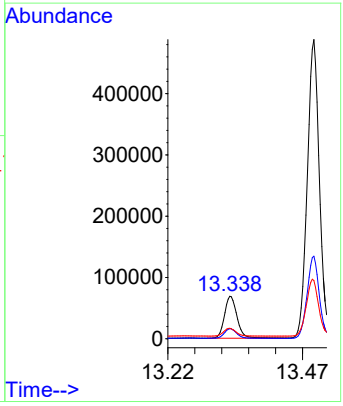


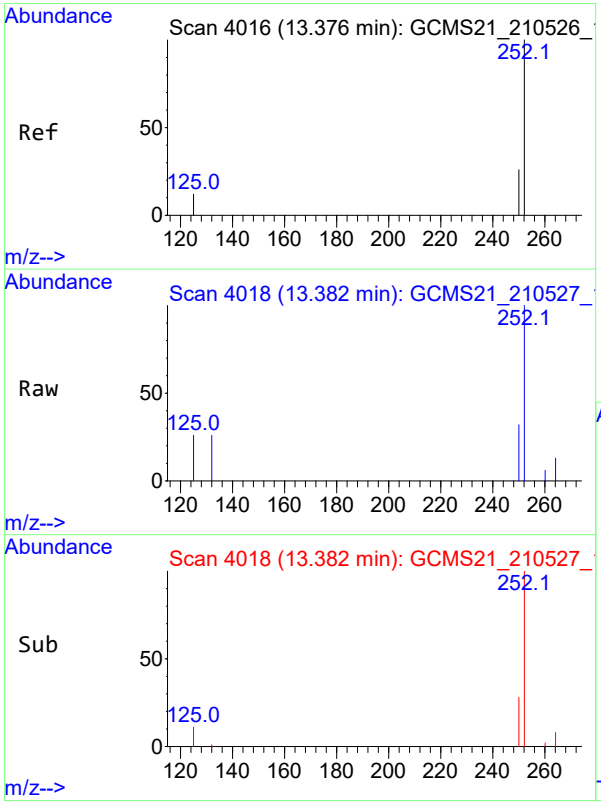


#26
Benzo(a)pyrene-D12
Concen: 88.48 ng/mL
RT: 13.338 min Scan# 4003
Delta R.T. 0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:264 Resp: 110225

Ion	Ratio	Lower	Upper
264	100		
260	23.1	0.0	53.0
132	18.3	0.0	49.7

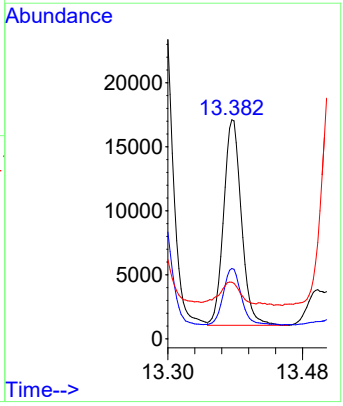


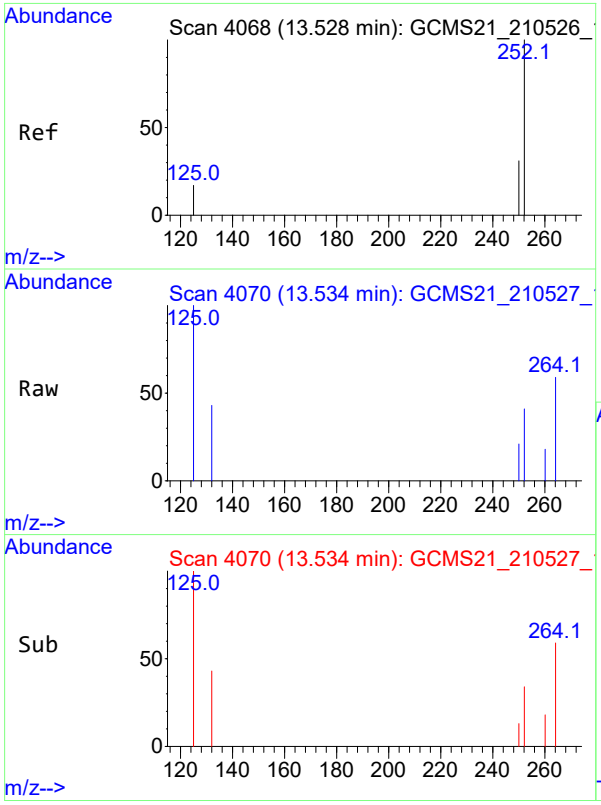


#27
Benzo(a)pyrene
Concen: 18.08 ng/mL
RT: 13.382 min Scan# 4018
Delta R.T. 0.006 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:252 Resp: 26267

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	56.4
125	11.9	0.0	41.7

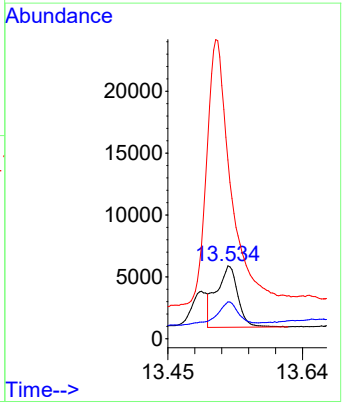


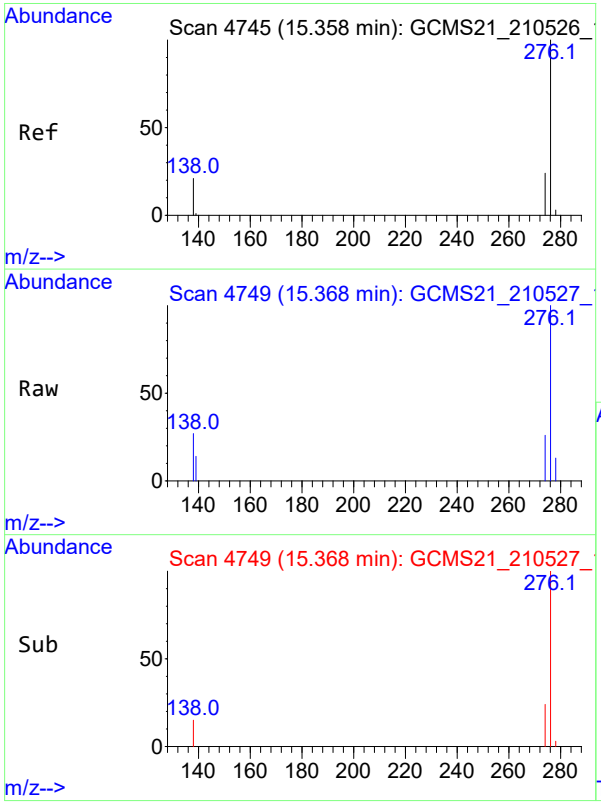


#28
Perylene
Concen: 6.49 ng/mL
RT: 13.534 min Scan# 4070
Delta R.T. 0.006 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:252 Resp: 10589

Ion	Ratio	Lower	Upper
252	100		
250	40.0	1.5	61.5
125	516.6	0.0	46.6#

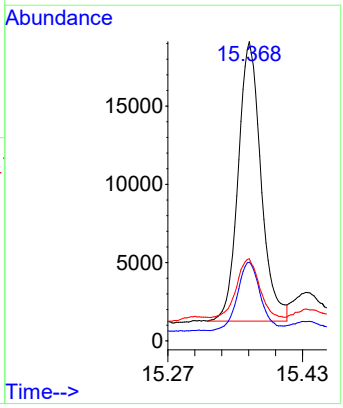


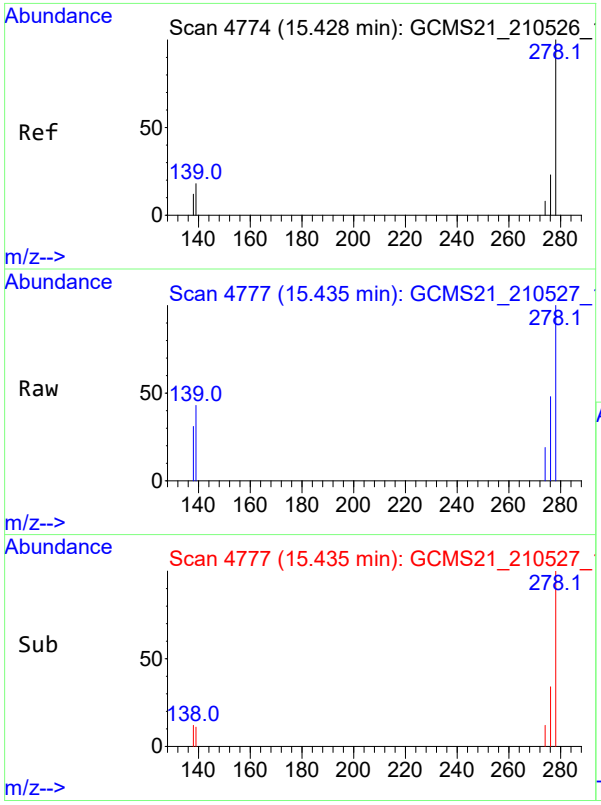


#29
Indeno(1,2,3-cd)pyrene
Concen: 26.26 ng/mL
RT: 15.368 min Scan# 4749
Delta R.T. 0.010 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:276 Resp: 32645

Ion	Ratio	Lower	Upper
276	100		
274	24.9	0.0	53.8
138	22.5	0.0	50.7

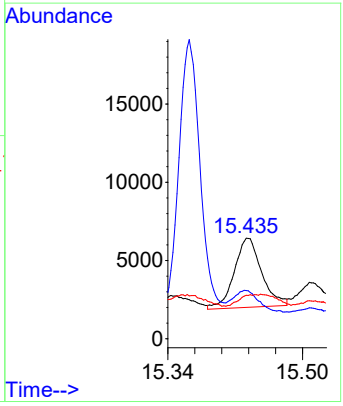


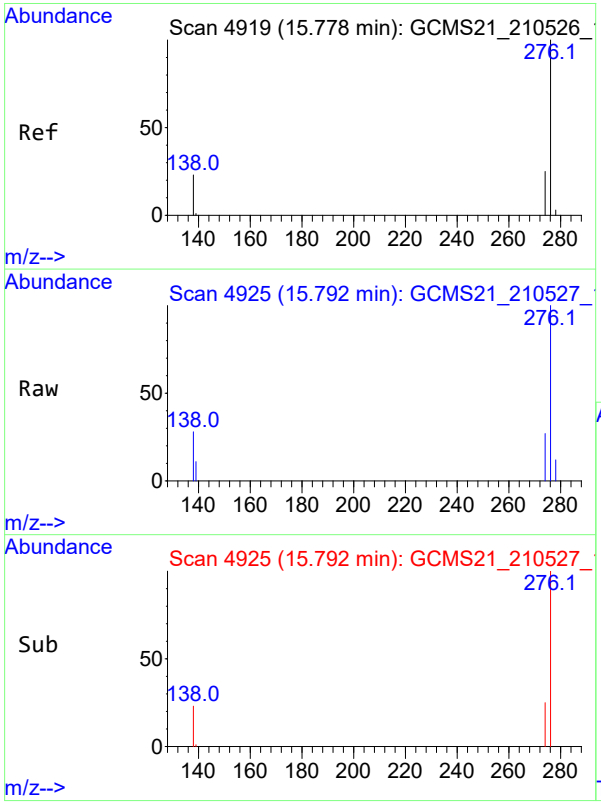


#30
Dibenz(a,h)anthracene
Concen: 8.05 ng/mL
RT: 15.435 min Scan# 4777
Delta R.T. 0.007 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:278 Resp: 9970

Ion	Ratio	Lower	Upper
278	100		
276	37.8	0.0	52.8
139	14.0	0.0	47.6

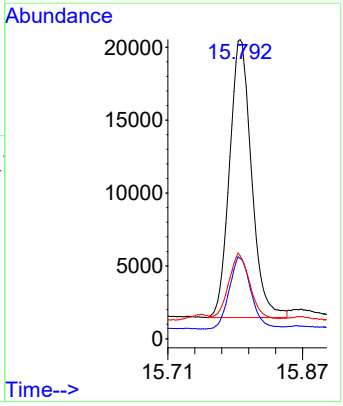




#31
Benzo(g,h,i)perylene
Concen: 21.38 ng/mL
RT: 15.792 min Scan# 4925
Delta R.T. 0.014 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 07:10 pm

Tgt Ion:276 Resp: 34529

Ion	Ratio	Lower	Upper
276	100		
274	25.7	0.0	54.8
138	22.2	0.0	52.9



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_18.D
Acq On : 27 May 2021 19:10
Operator : MN GCMS21
Sample : 2105001-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 28 11:33:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

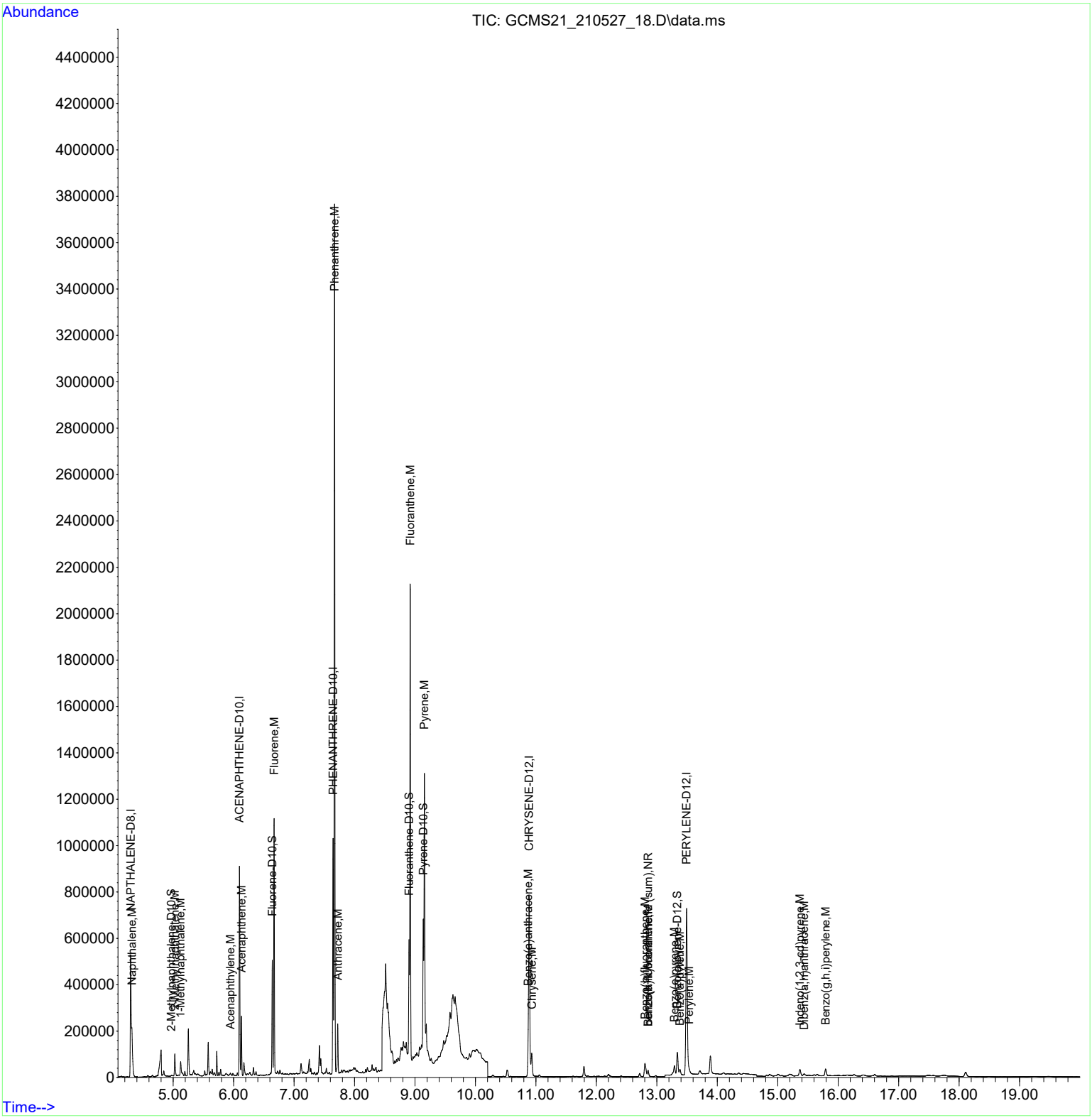
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	563562	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.096	164	337575	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	722216	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.889	240	753369	500.00	ng/mL	0.00
21) PERYLENE-D12	13.493	264	766802	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.969	152	465	0.66	ng/mL	-0.03
9) Fluorene-D10	6.639	176	199868	247.30	ng/mL	0.00
14) Fluoranthene-D10	8.902	212	318479	203.65	ng/mL	0.00
17) Pyrene-D10	9.138	212	364225	211.90	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.338	264	110225	88.48	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.318	128	114771	106.14	ng/mL	99
4) 2-Methylnaphthalene	5.028	142	37754	47.41	ng/mL	98
5) 1-Methylnaphthalene	5.124	142	18479	27.86	ng/mL	97
7) Acenaphthylene	5.945	152	7002	6.25	ng/mL#	56
8) Acenaphthene	6.129	153	71431	83.29	ng/mL	98
10) Fluorene	6.670	166	413134	435.20	ng/mL	100
12) Phenanthrene	7.670	178	2147315	1231.94	ng/mL	99
13) Anthracene	7.722	178	134469	92.78	ng/mL	94
15) Fluoranthene	8.922	202	1230294	668.78	ng/mL	99
18) Pyrene	9.156	202	725194	361.18	ng/mL	82
19) Benzo(a)anthracene	10.872	228	78624	51.89	ng/mL	99
20) Chrysene	10.931	228	120481	64.40	ng/mL	97
22) Benzo(b)fluoranthene	12.803	252	87614	55.04	ng/mL	96
23) Benzo(k)fluoranthene	12.855	252	31713	17.98	ng/mL	82
24) benzo(b+k)fluoranthene...	12.855	252	31713	18.34	ng/mL	79
25) Benzo(e)pyrene	13.292	252	45469	28.32	ng/mL#	53
27) Benzo(a)pyrene	13.382	252	26267	18.08	ng/mL	97
28) Perylene	13.534	252	10589	6.49	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.368	276	32645	26.26	ng/mL	97
30) Dibenz(a,h)anthracene	15.435	278	9970	8.05	ng/mL	79
31) Benzo(g,h,i)perylene	15.792	276	34529	21.38	ng/mL	98

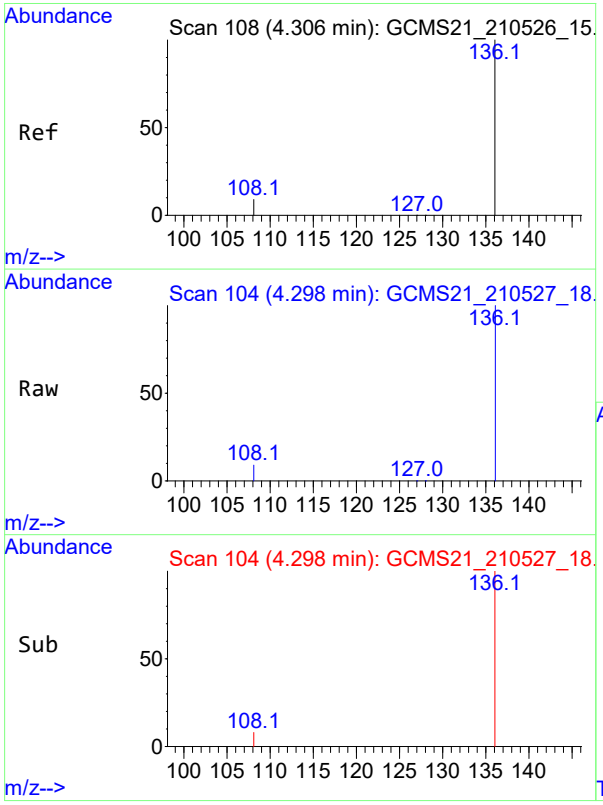
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_18.D
Acq On : 27 May 2021 19:10
Operator : MN GCMS21
Sample : 2105001-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 28 11:33:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

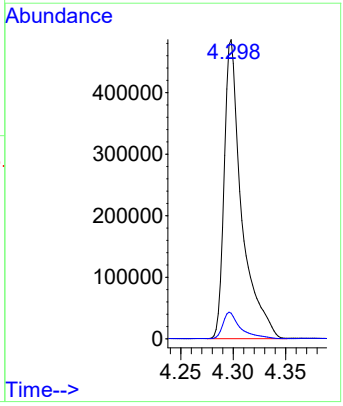


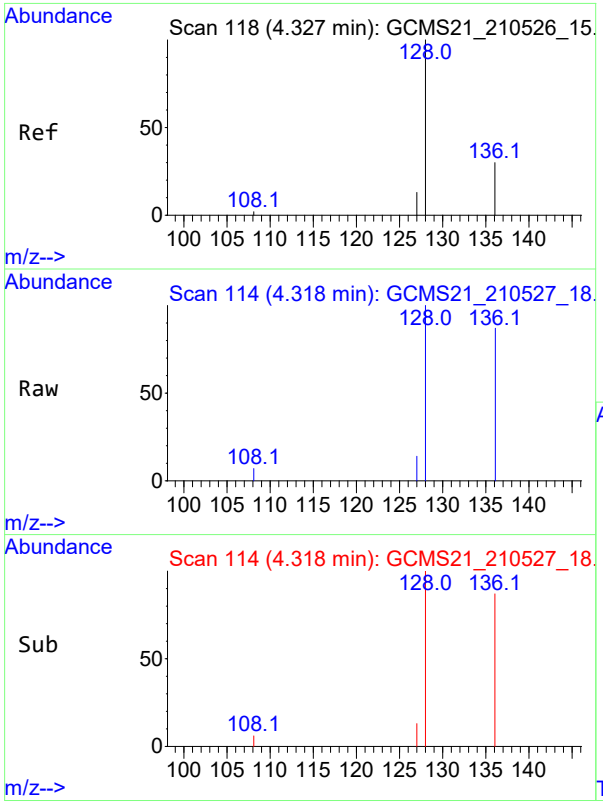


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:136 Resp: 563562

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	28.3

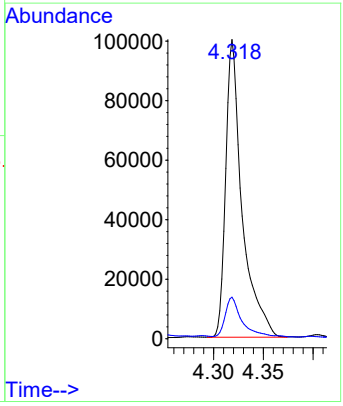


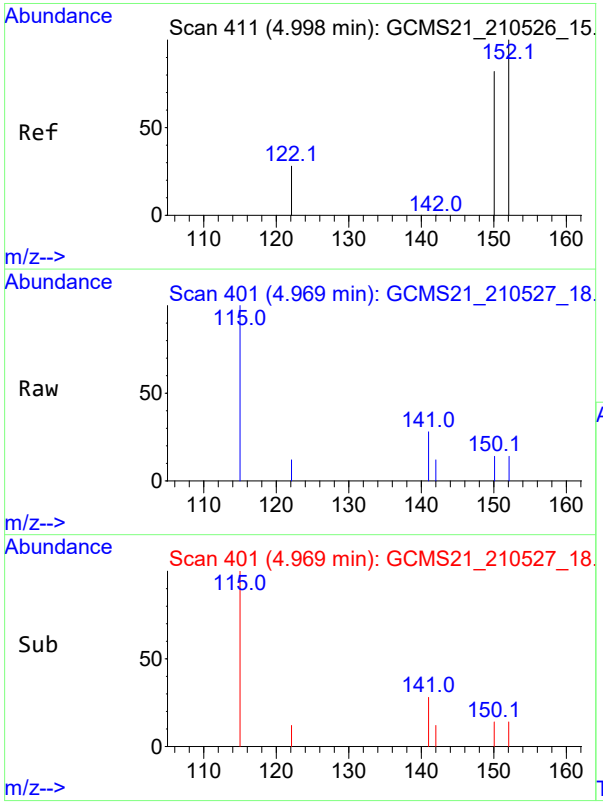


#2
Naphthalene
Concen: 106.14 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:128 Resp: 114771

Ion	Ratio	Lower	Upper
128	100		
127	13.8	0.0	43.3

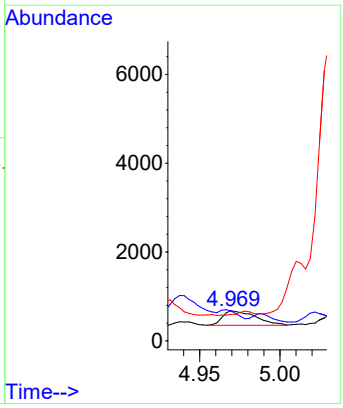


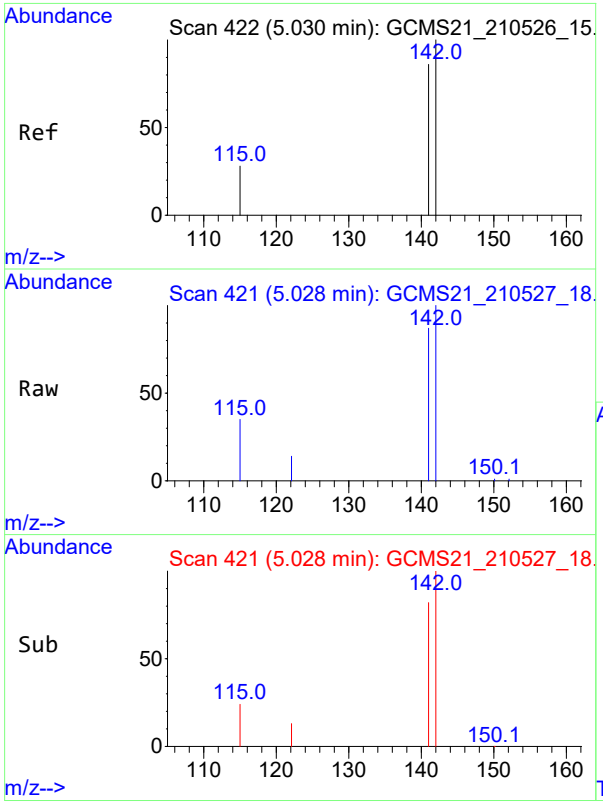


#3
2-Methylnaphthalene-D10
Concen: 0.66 ng/mL
RT: 4.969 min Scan# 401
Delta R.T. -0.029 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:152 Resp: 465

Ion	Ratio	Lower	Upper
152	100		
150	29.9	52.3	112.3#
122	0.0	0.0	57.5

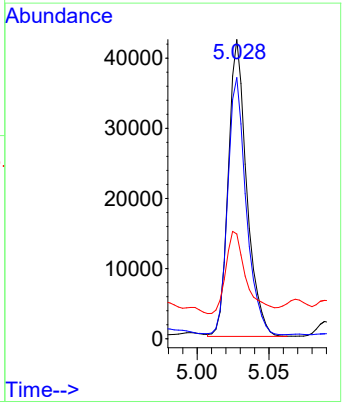


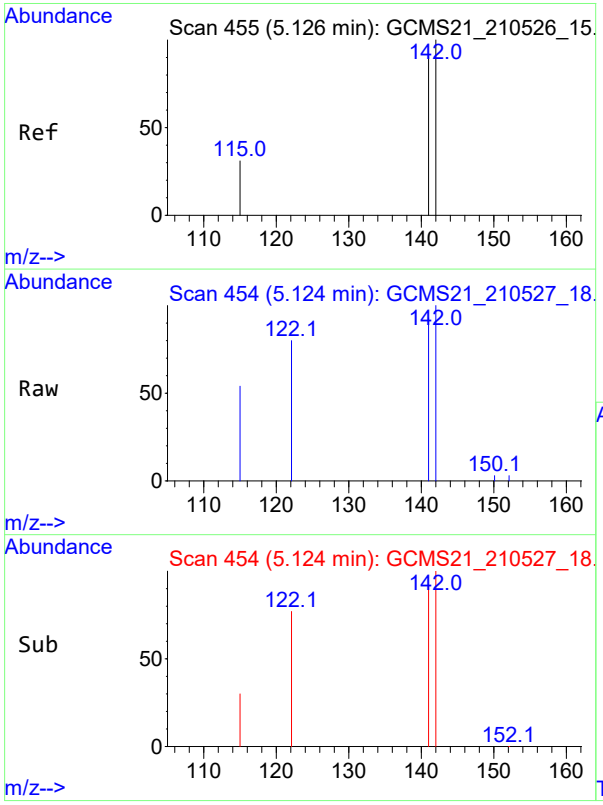


#4
2-Methylnaphthalene
Concen: 47.41 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:142 Resp: 37754

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.3	116.3
115	30.2	0.0	57.4

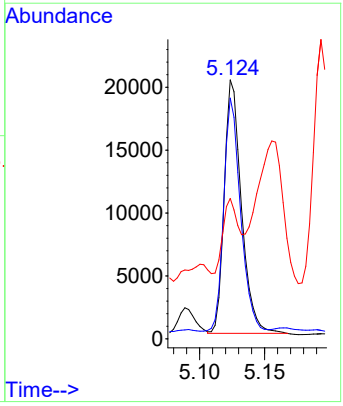


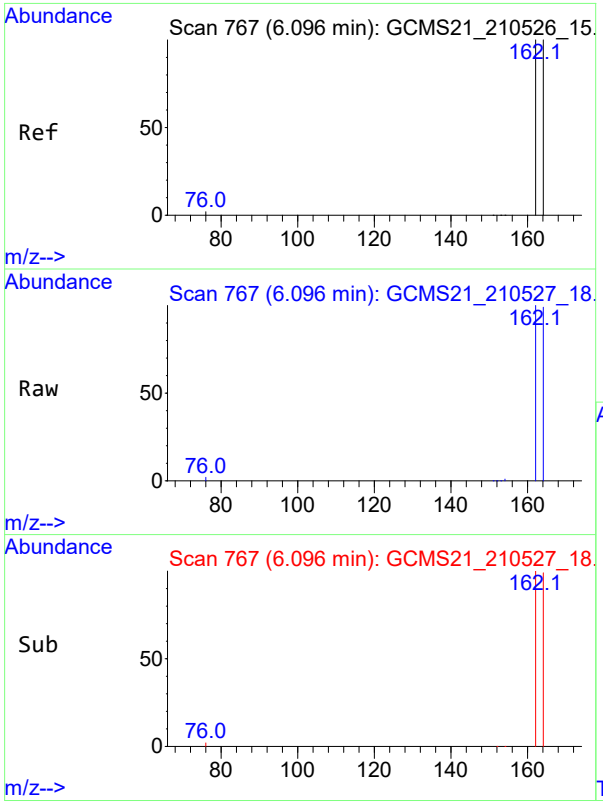


#5
1-Methylnaphthalene
Concen: 27.86 ng/mL
RT: 5.124 min Scan# 454
Delta R.T. -0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:142 Resp: 18479

Ion	Ratio	Lower	Upper
142	100		
141	90.0	61.5	121.5
115	26.1	0.2	60.2

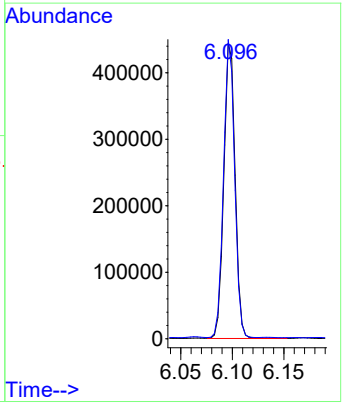


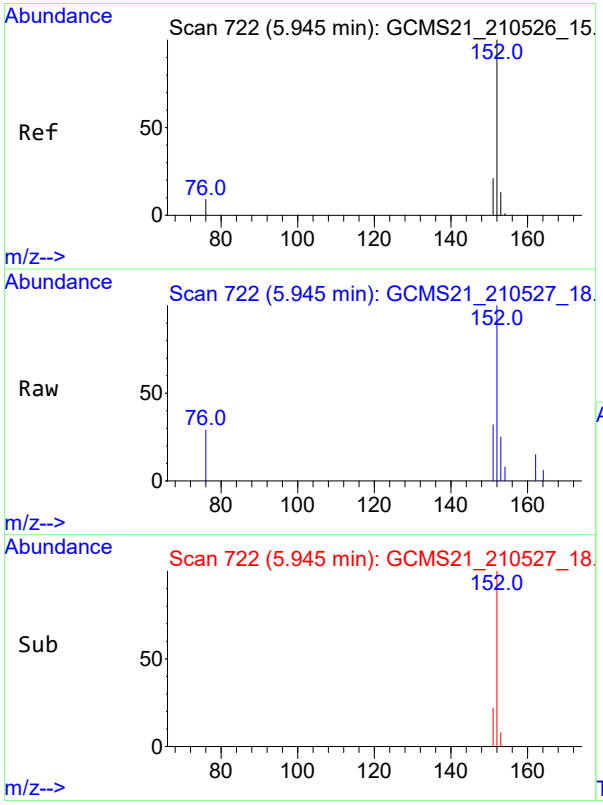


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.096 min Scan# 767
Delta R.T. 0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:164 Resp: 337575

Ion	Ratio	Lower	Upper
164	100		
162	99.4	77.7	117.7

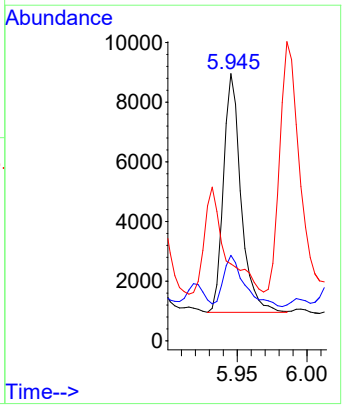


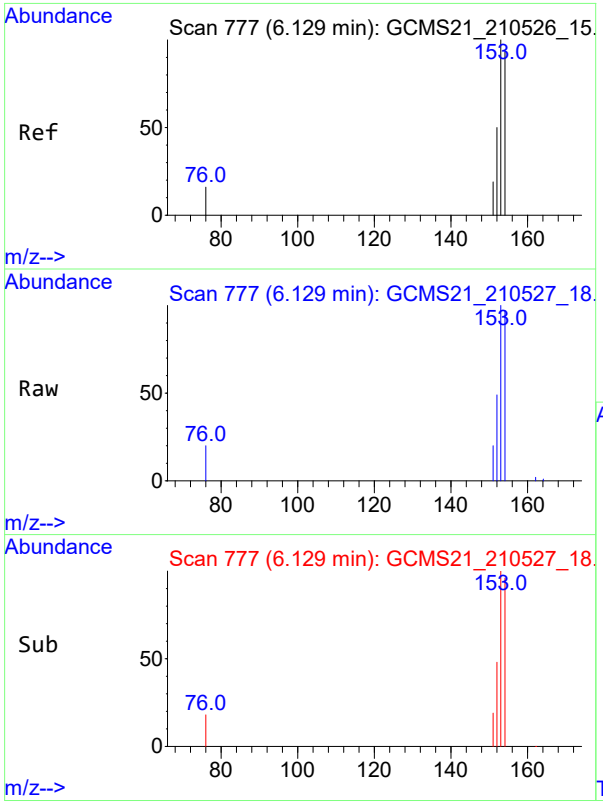


#7
Acenaphthylene
Concen: 6.25 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:152 Resp: 7002

Ion	Ratio	Lower	Upper
152	100		
151	26.7	0.0	52.0
76	54.4	0.0	39.5#

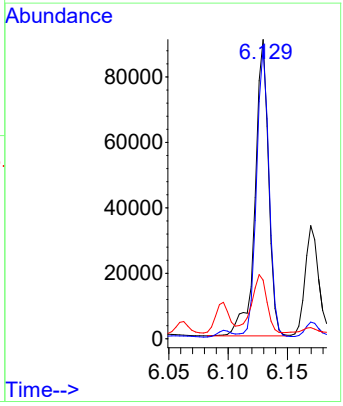


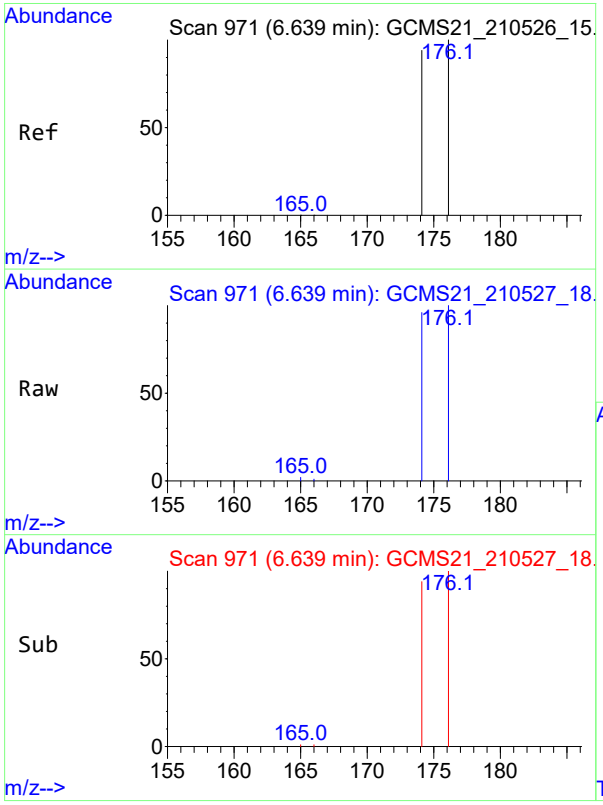


#8
Acenaphthene
Concen: 83.29 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:153 Resp: 71431

Ion	Ratio	Lower	Upper
153	100		
154	90.1	60.4	120.4
76	22.6	0.0	47.4

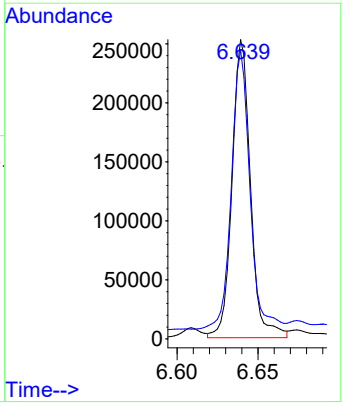


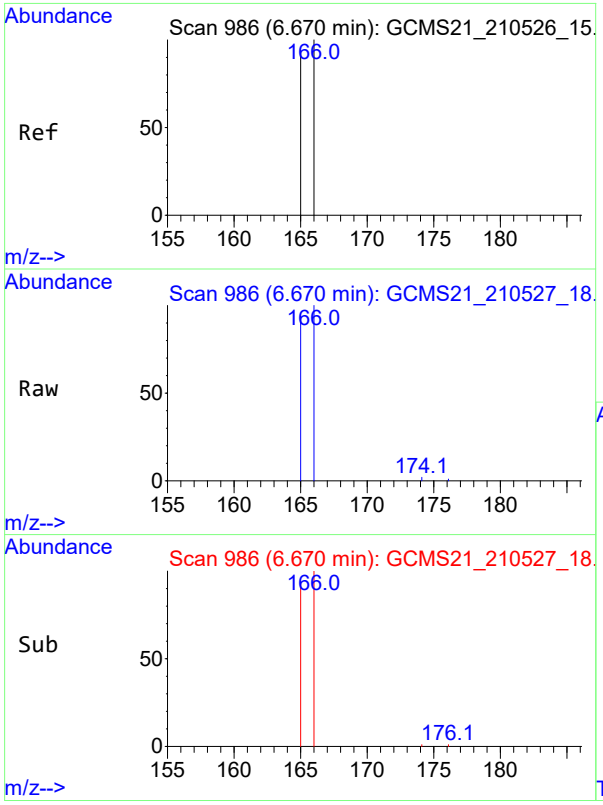


#9
Fluorene-D10
Concen: 247.30 ng/mL
RT: 6.639 min Scan# 971
Delta R.T. 0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:176 Resp: 199868

Ion	Ratio	Lower	Upper
176	100		
174	95.1	63.9	123.9

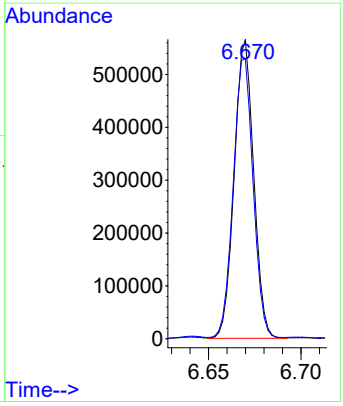


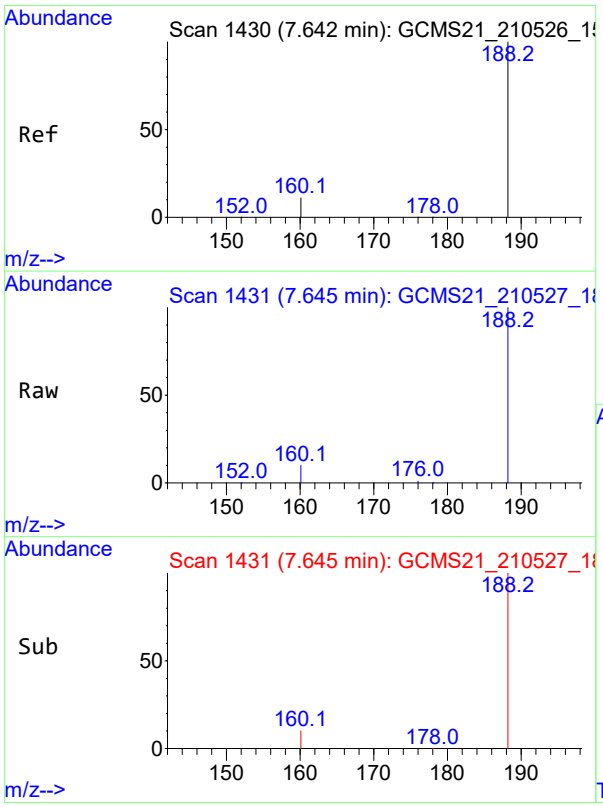


#10
Fluorene
Concen: 435.20 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:166 Resp: 413134

Ion	Ratio	Lower	Upper
166	100		
165	95.6	65.1	125.1

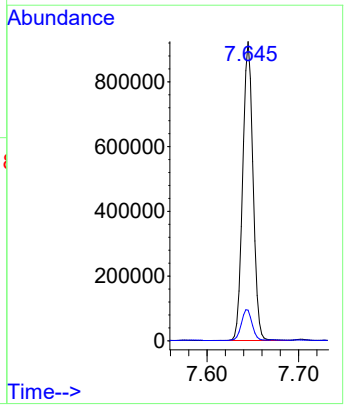


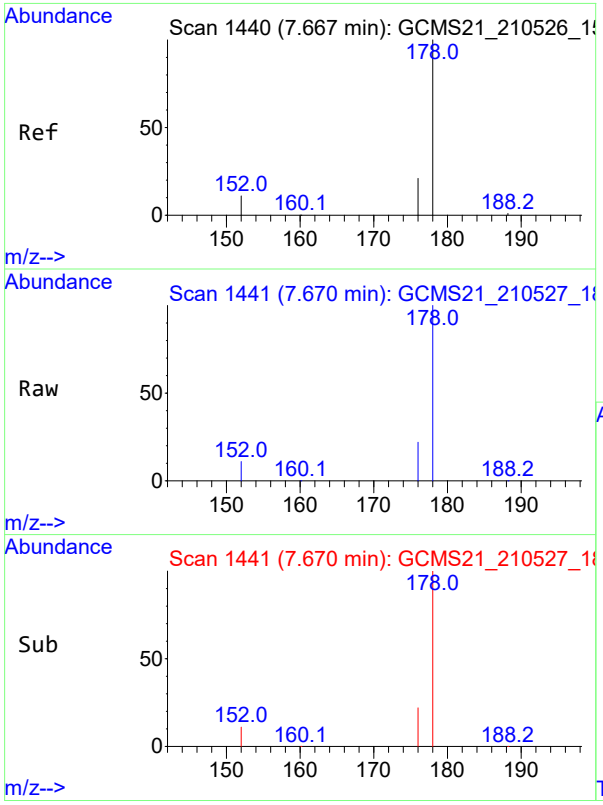


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.002 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:188 Resp: 722216

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	39.8

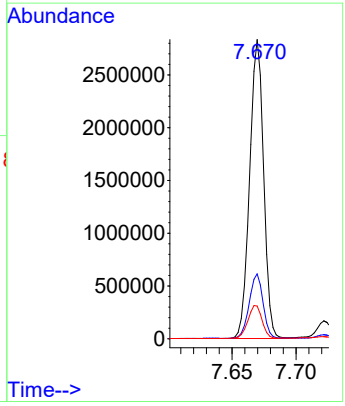


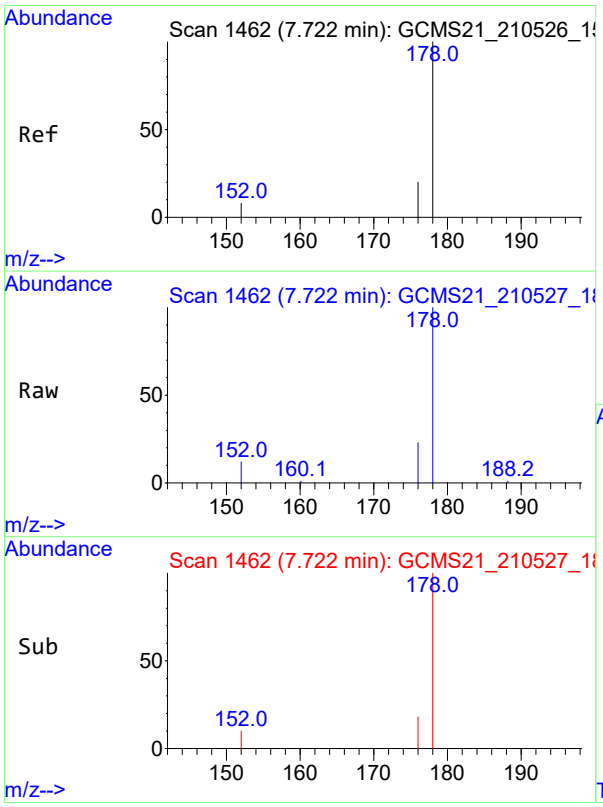


#12
Phenanthrene
Concen: 1231.94 ng/mL
RT: 7.670 min Scan# 1441
Delta R.T. 0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:178 Resp: 2147315

Ion	Ratio	Lower	Upper
178	100		
176	21.2	0.0	50.9
152	11.3	0.0	40.5

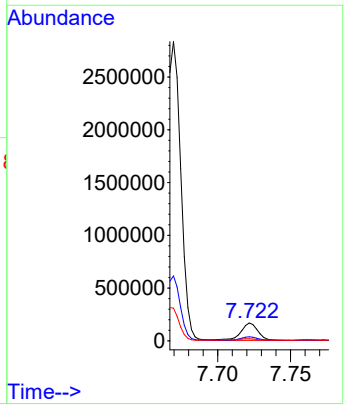


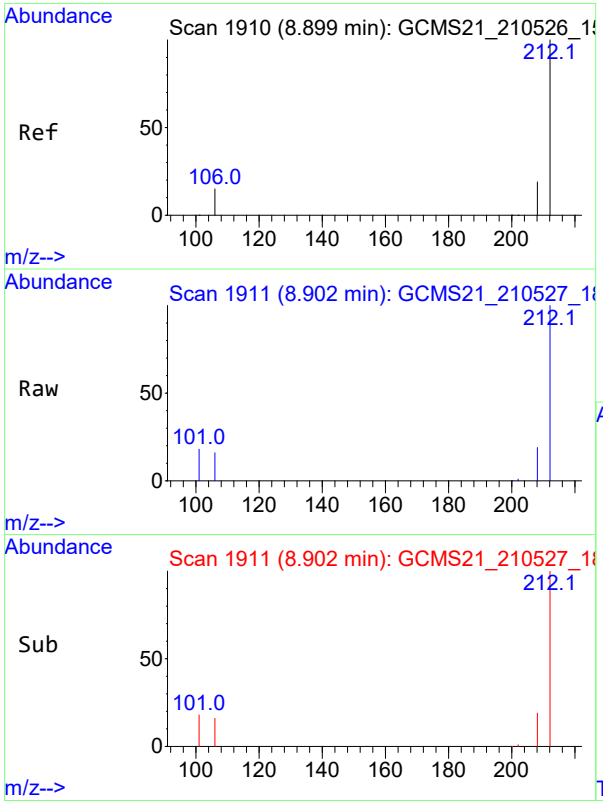


#13
Anthracene
Concen: 92.78 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:178 Resp: 134469

Ion	Ratio	Lower	Upper
178	100		
176	19.0	0.0	50.2
152	13.4	0.0	38.2

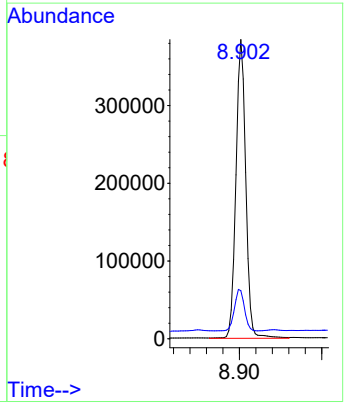


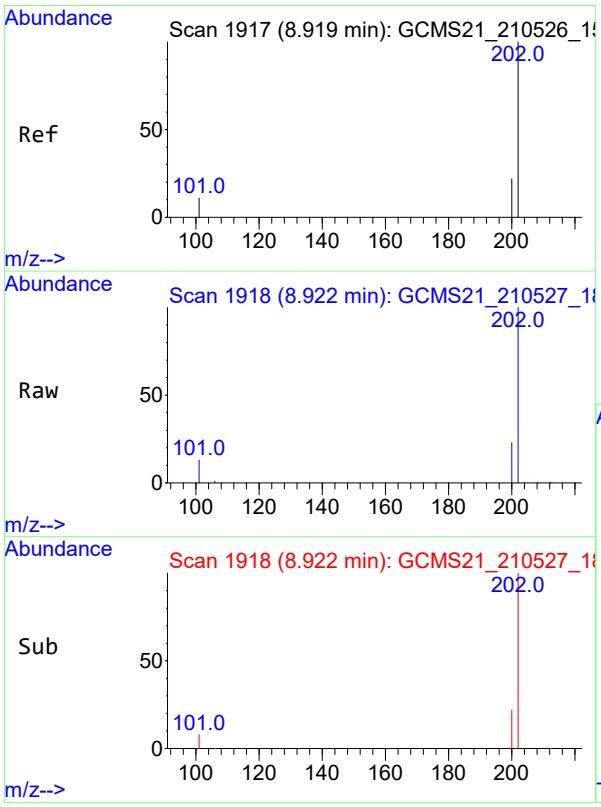


#14
Fluoranthene-D10
Concen: 203.65 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:212 Resp: 318479

Ion	Ratio	Lower	Upper
212	100		
106	14.0	0.0	44.9

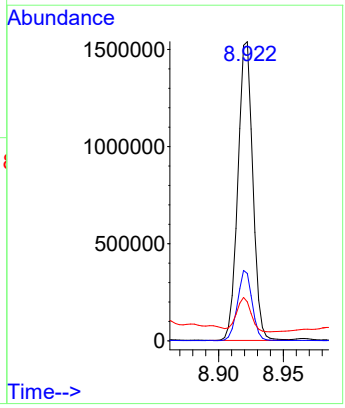


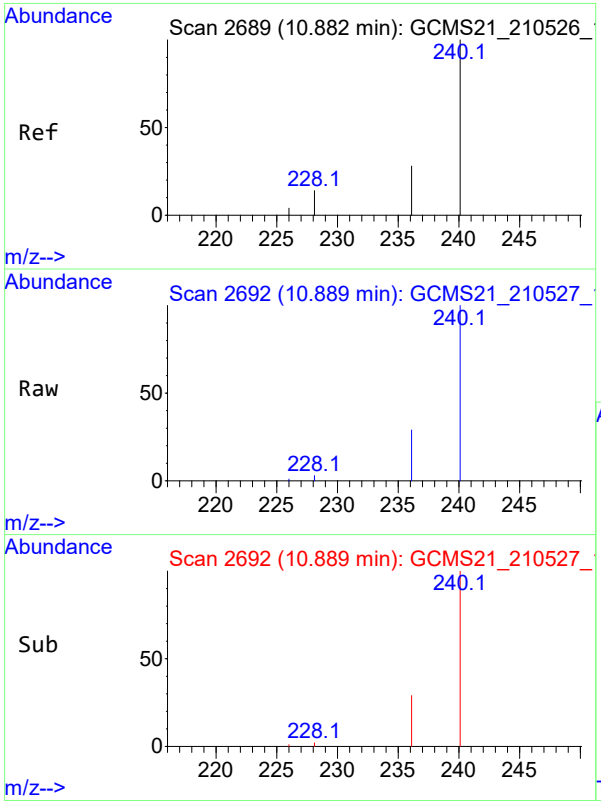


#15
Fluoranthene
Concen: 668.78 ng/mL
RT: 8.922 min Scan# 1918
Delta R.T. 0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:202 Resp: 1230294

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	52.4
101	11.1	0.0	41.1

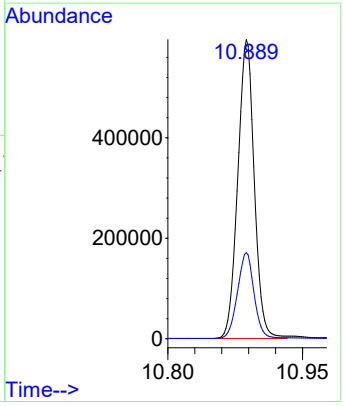


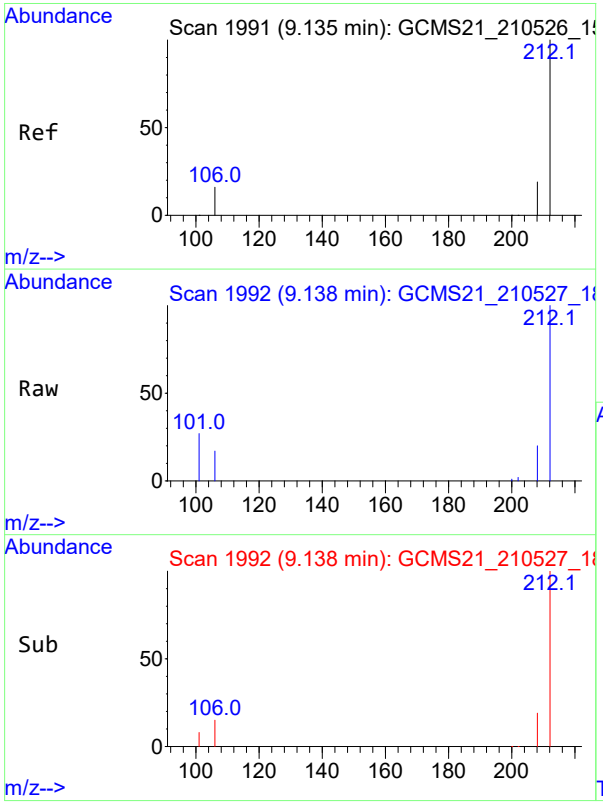


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.889 min Scan# 2692
Delta R.T. 0.006 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:240 Resp: 753369

Ion	Ratio	Lower	Upper
240	100		
236	29.1	0.0	58.6

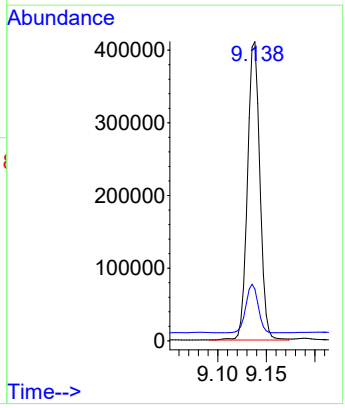


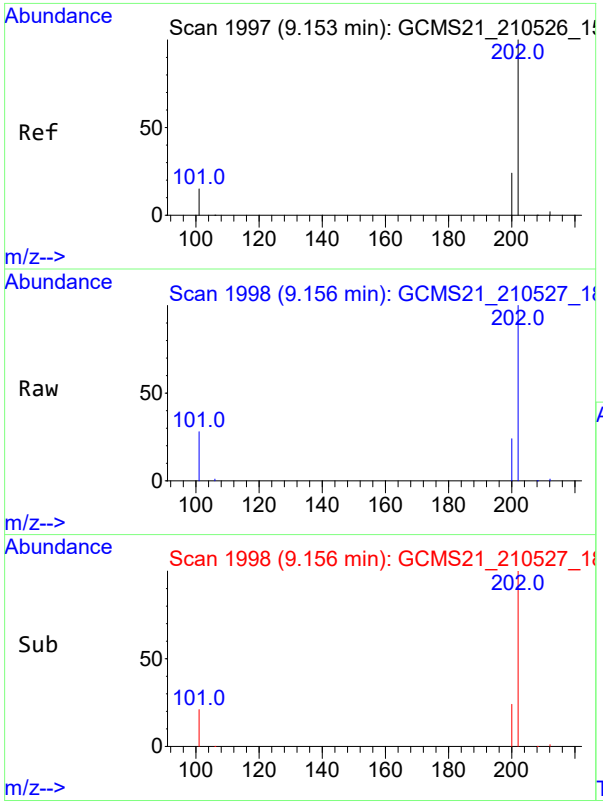


#17
Pyrene-D10
Concen: 211.90 ng/mL
RT: 9.138 min Scan# 1992
Delta R.T. 0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:212 Resp: 364225

Ion	Ratio	Lower	Upper
212	100		
106	16.3	0.0	46.2

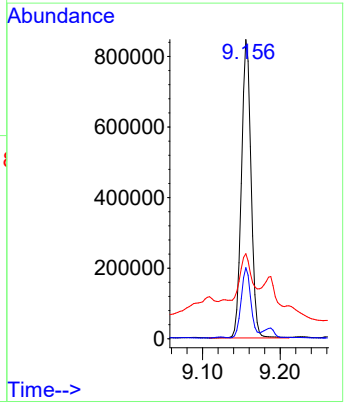


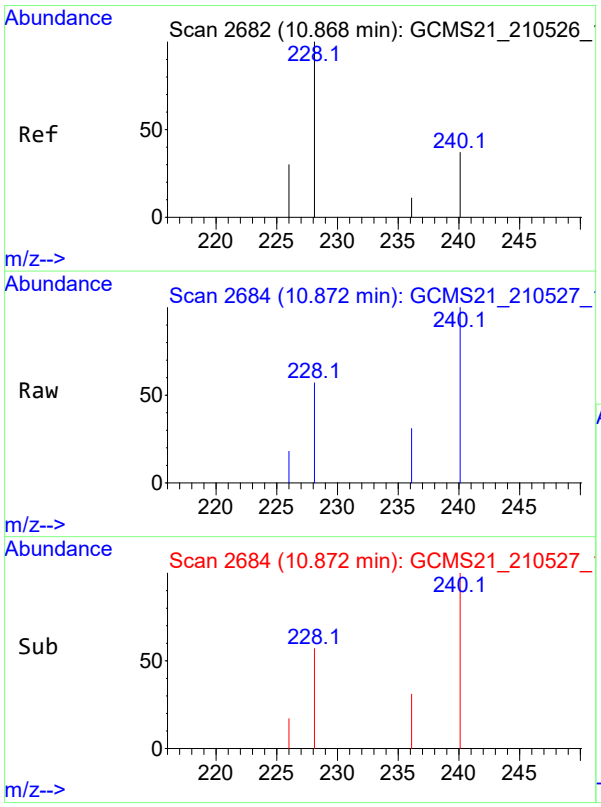


#18
Pyrene
Concen: 361.18 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:202 Resp: 725194

Ion	Ratio	Lower	Upper
202	100		
200	24.0	0.0	53.9
101	33.9	0.0	44.5

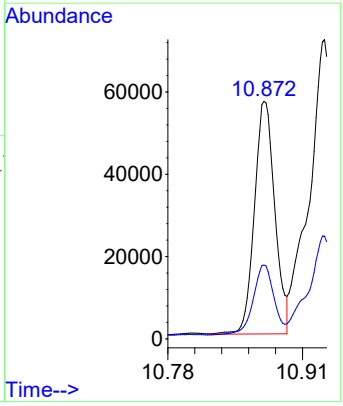


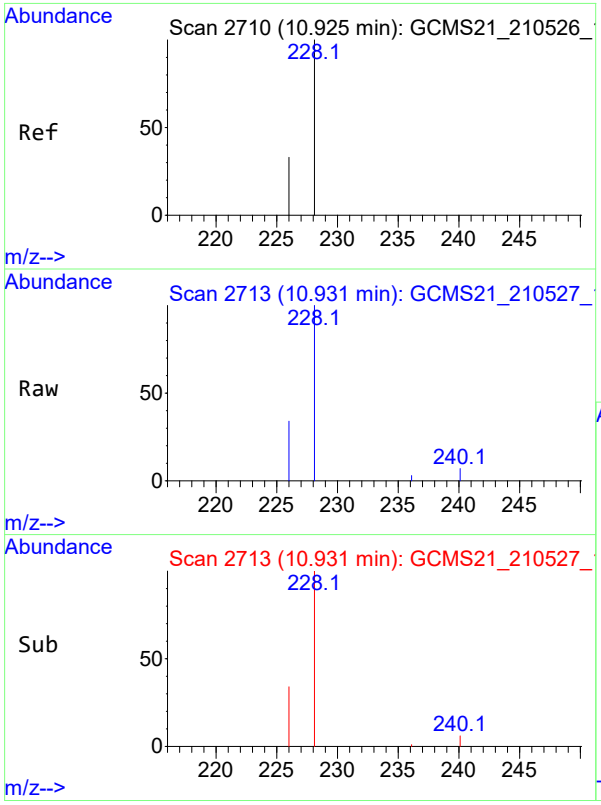


#19
Benzo(a)anthracene
Concen: 51.89 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. 0.004 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:228 Resp: 78624

Ion	Ratio	Lower	Upper
228	100		
226	30.4	0.0	59.8

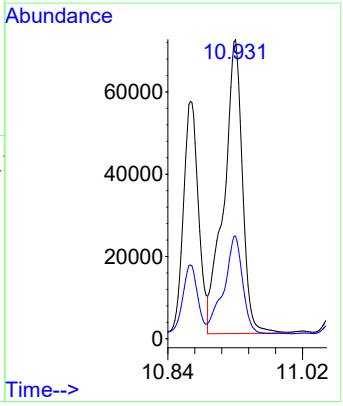


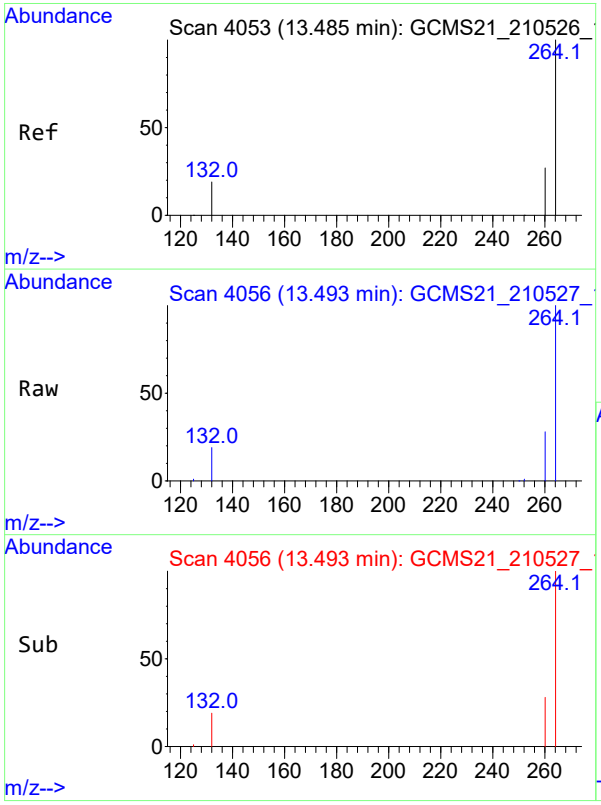


#20
Chrysene
Concen: 64.40 ng/mL
RT: 10.931 min Scan# 2713
Delta R.T. 0.006 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:228 Resp: 120481

Ion	Ratio	Lower	Upper
228	100		
226	34.6	2.8	62.8

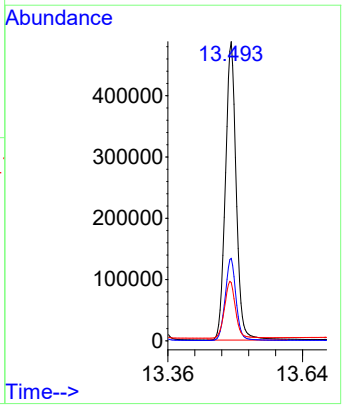


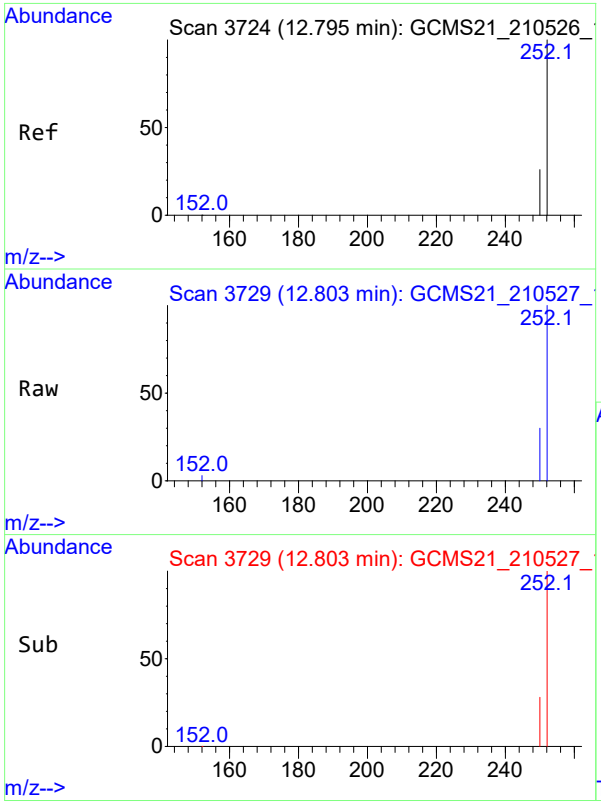


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.493 min Scan# 4056
Delta R.T. 0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:264 Resp: 766802

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.5
132	19.5	0.0	49.5

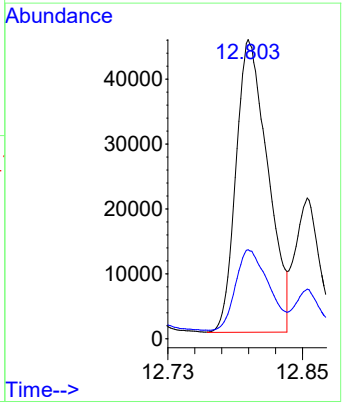


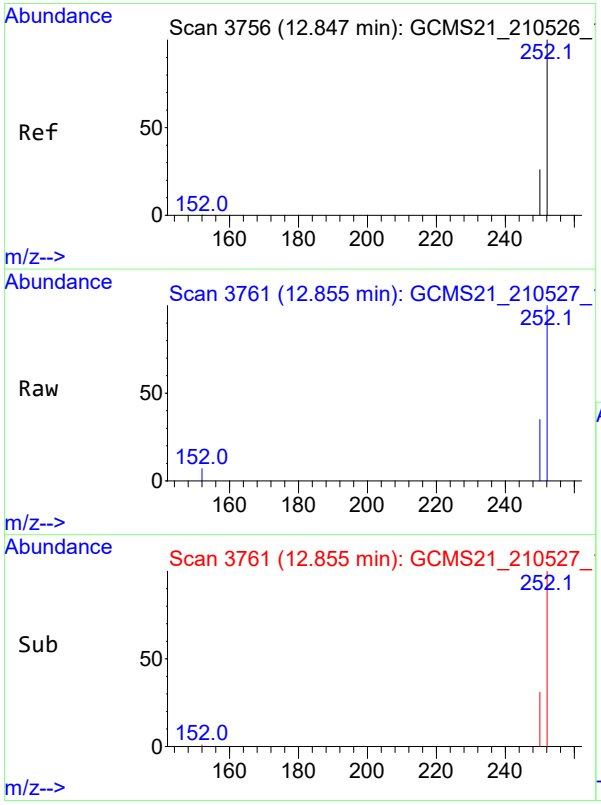


#22
Benzo(b)fluoranthene
Concen: 55.04 ng/mL
RT: 12.803 min Scan# 3729
Delta R.T. 0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:252 Resp: 87614

Ion	Ratio	Lower	Upper
252	100		
250	28.5	0.0	56.2

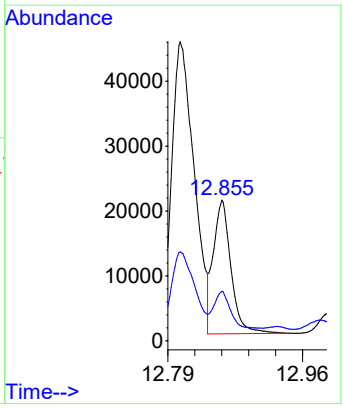


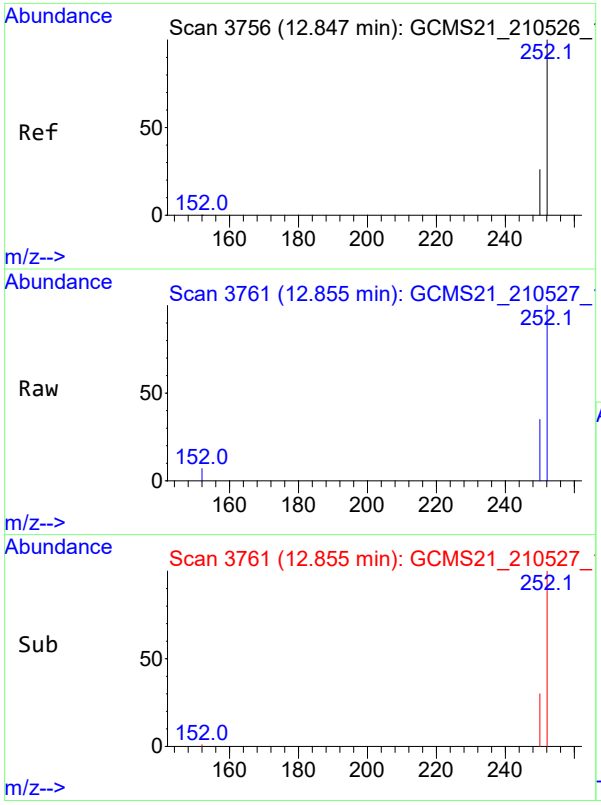


#23
Benzo(k)fluoranthene
Concen: 17.98 ng/mL
RT: 12.855 min Scan# 3761
Delta R.T. 0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:252 Resp: 31713

Ion	Ratio	Lower	Upper
252	100		
250	34.8	0.0	55.6

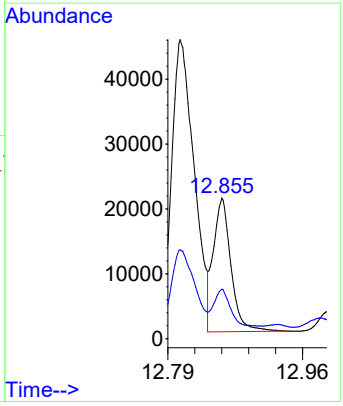


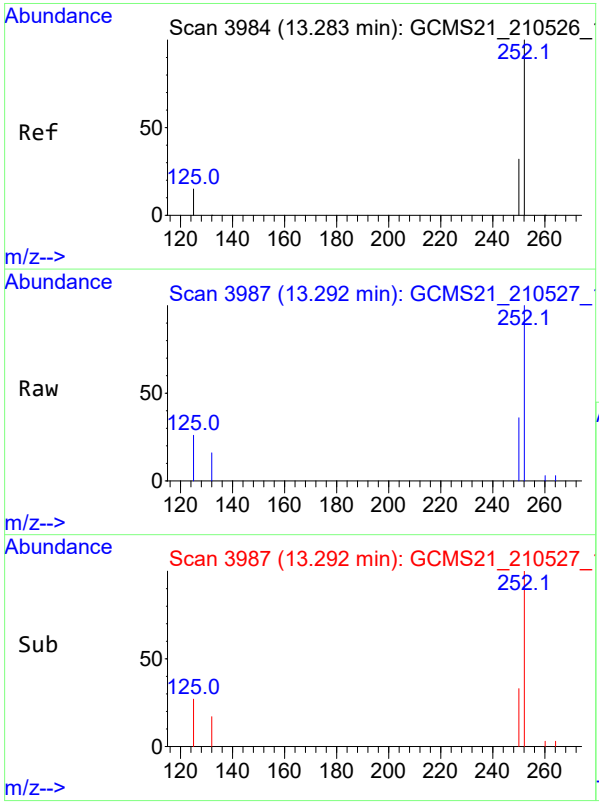


#24
benzo(b+k)fluoranthene (sum)
Concen: 18.34 ng/mL
RT: 12.855 min Scan# 3761
Delta R.T. 0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:252 Resp: 31713

Ion	Ratio	Lower	Upper
252	100		
250	36.3	0.0	55.6

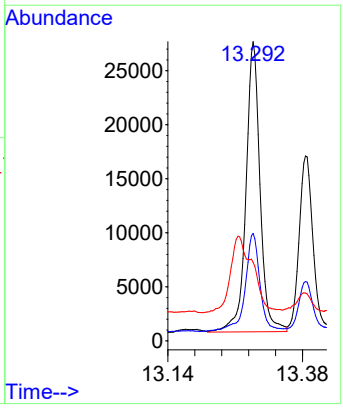


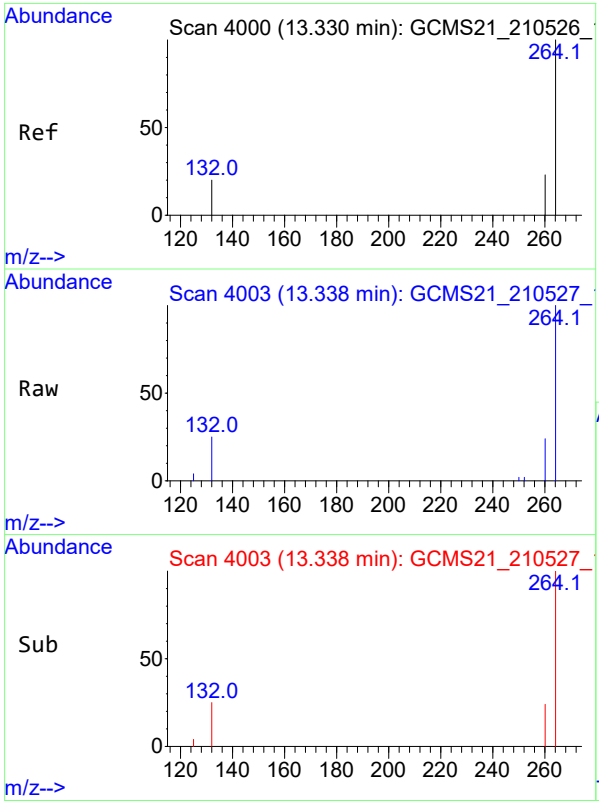


#25
Benzo(e)pyrene
Concen: 28.32 ng/mL
RT: 13.292 min Scan# 3987
Delta R.T. 0.009 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:252 Resp: 45469

Ion	Ratio	Lower	Upper
252	100		
250	35.9	2.2	62.2
125	71.0	0.0	45.4#

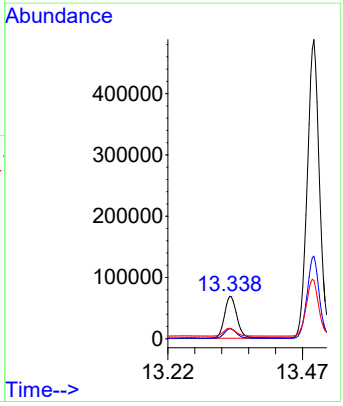


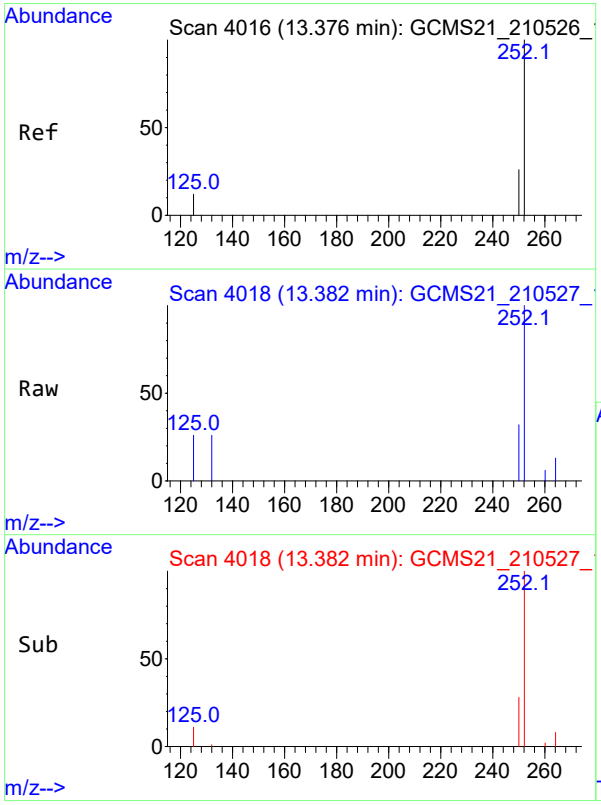


#26
Benzo(a)pyrene-D12
Concen: 88.48 ng/mL
RT: 13.338 min Scan# 4003
Delta R.T. 0.008 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:264 Resp: 110225

Ion	Ratio	Lower	Upper
264	100		
260	23.1	0.0	53.0
132	18.3	0.0	49.7

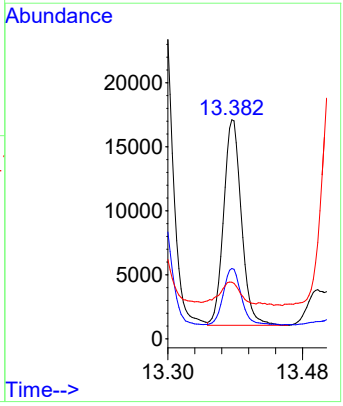


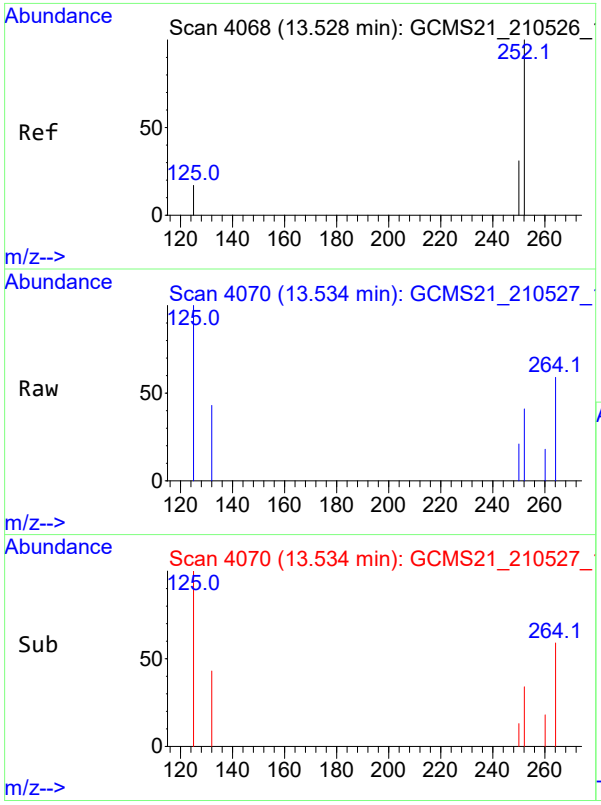


#27
Benzo(a)pyrene
Concen: 18.08 ng/mL
RT: 13.382 min Scan# 4018
Delta R.T. 0.006 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:252 Resp: 26267

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	56.4
125	11.9	0.0	41.7

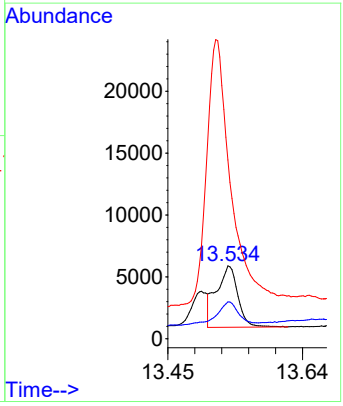


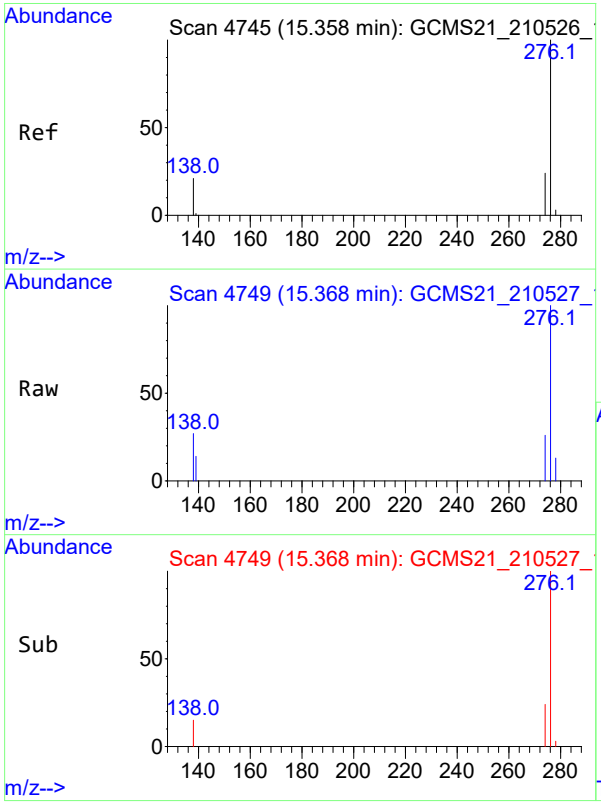


#28
Perylene
Concen: 6.49 ng/mL
RT: 13.534 min Scan# 4070
Delta R.T. 0.006 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:252 Resp: 10589

Ion	Ratio	Lower	Upper
252	100		
250	40.0	1.5	61.5
125	516.6	0.0	46.6#

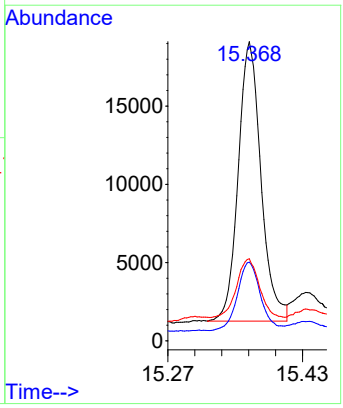


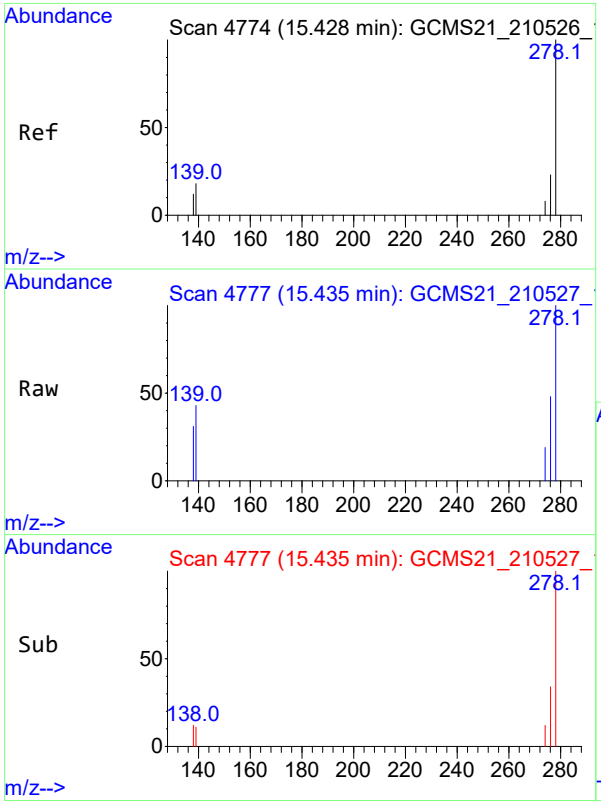


#29
Indeno(1,2,3-cd)pyrene
Concen: 26.26 ng/mL
RT: 15.368 min Scan# 4749
Delta R.T. 0.010 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:276 Resp: 32645

Ion	Ratio	Lower	Upper
276	100		
274	24.9	0.0	53.8
138	22.5	0.0	50.7

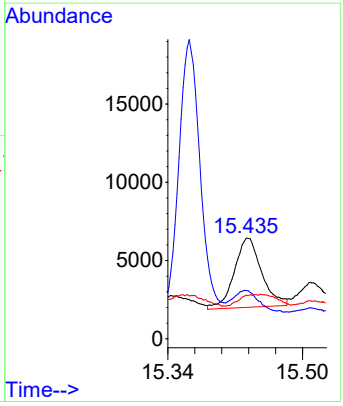


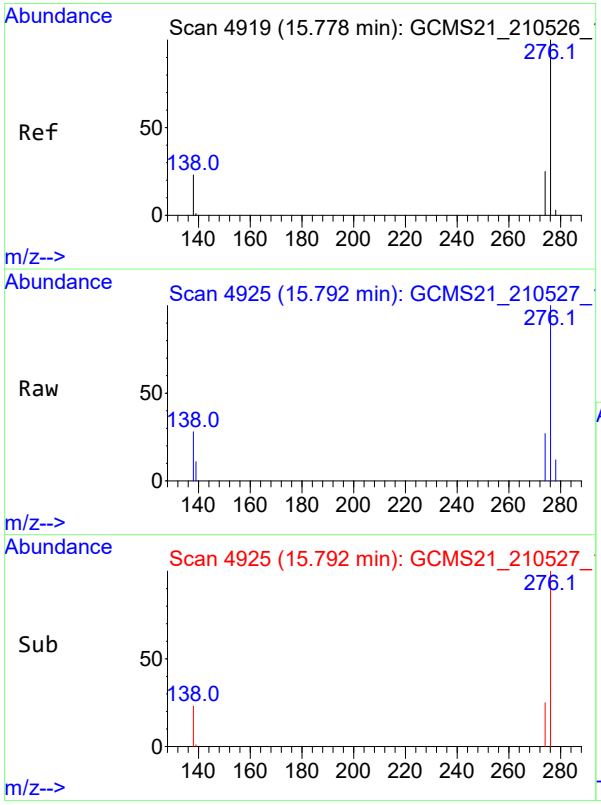


#30
Dibenz(a,h)anthracene
Concen: 8.05 ng/mL
RT: 15.435 min Scan# 4777
Delta R.T. 0.007 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:278 Resp: 9970

Ion	Ratio	Lower	Upper
278	100		
276	37.8	0.0	52.8
139	14.0	0.0	47.6

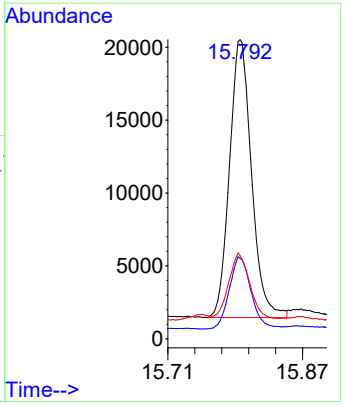




#31
Benzo(g,h,i)perylene
Concen: 21.38 ng/mL
RT: 15.792 min Scan# 4925
Delta R.T. 0.014 min
Lab File: GCMS21_210527_18.D
Acq: 27 May 2021 19:10

Tgt Ion:276 Resp: 34529

Ion	Ratio	Lower	Upper
276	100		
274	25.7	0.0	54.8
138	22.2	0.0	52.9



Quantitation Report (Qedit)

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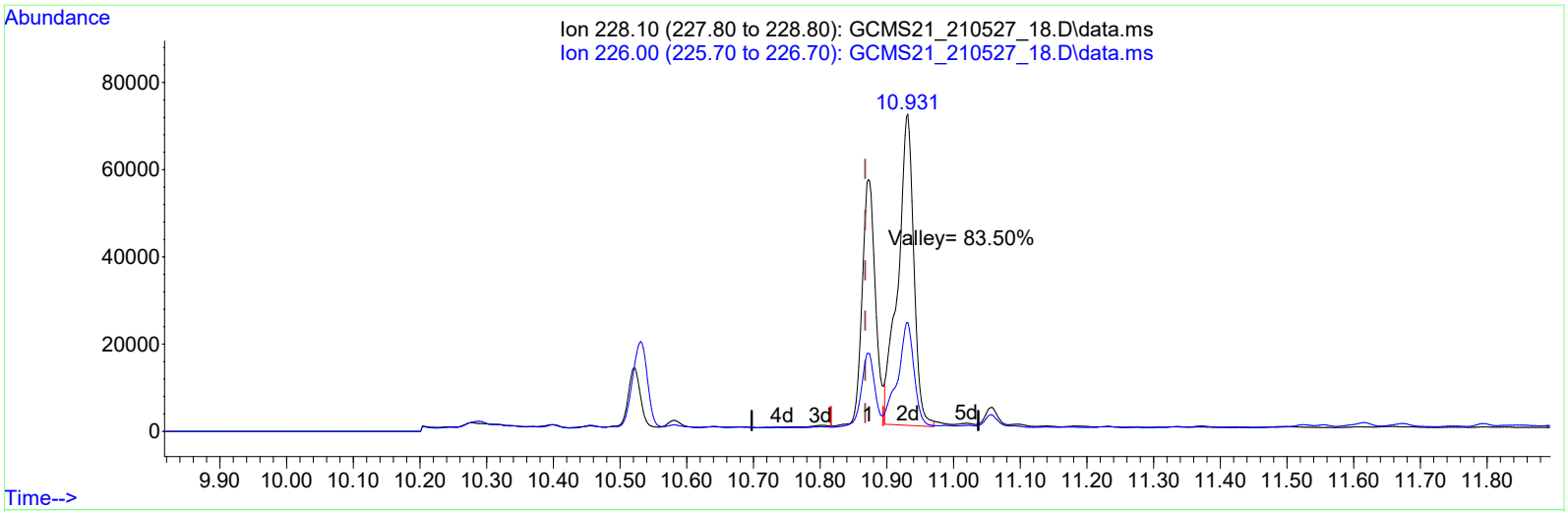
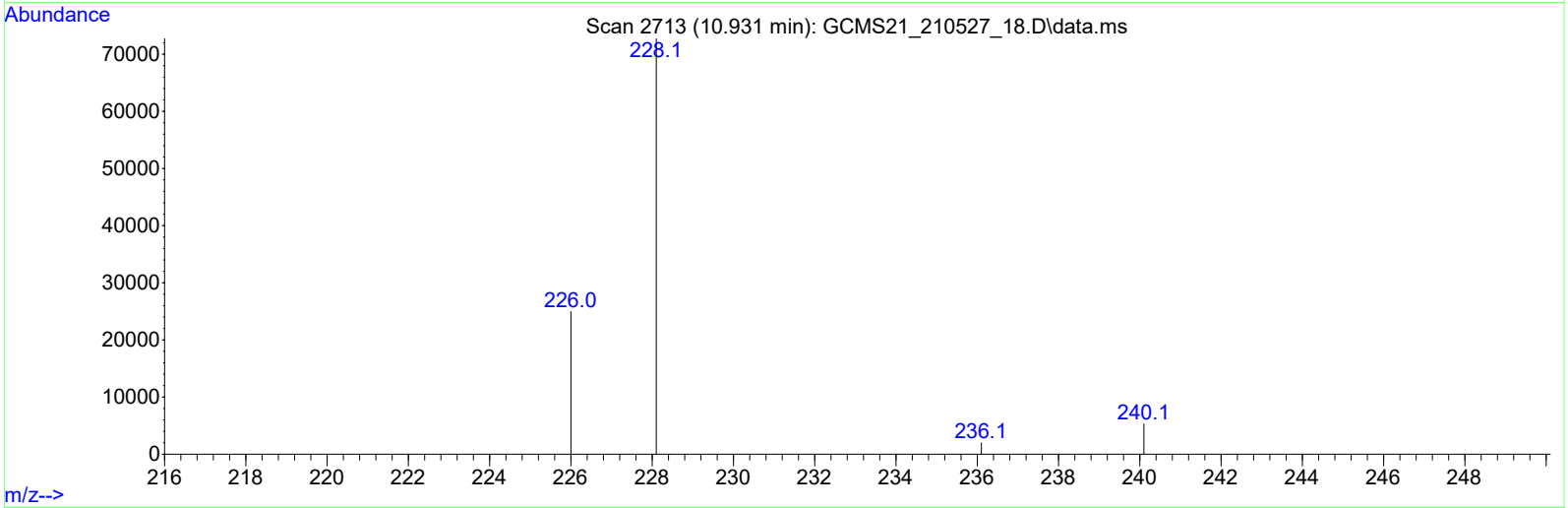
... 006\
Data File : GCMS21_210527_18.D
Acq On : 27 May 2021 07:10 pm
Operator : MN GCMS21
Sample : 2105001-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 28 11:33:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210527_18.D\data.ms

(19) Benzo(a)anthracene (M)

10.931min (+ 0.063) 77.92 ng/mL m

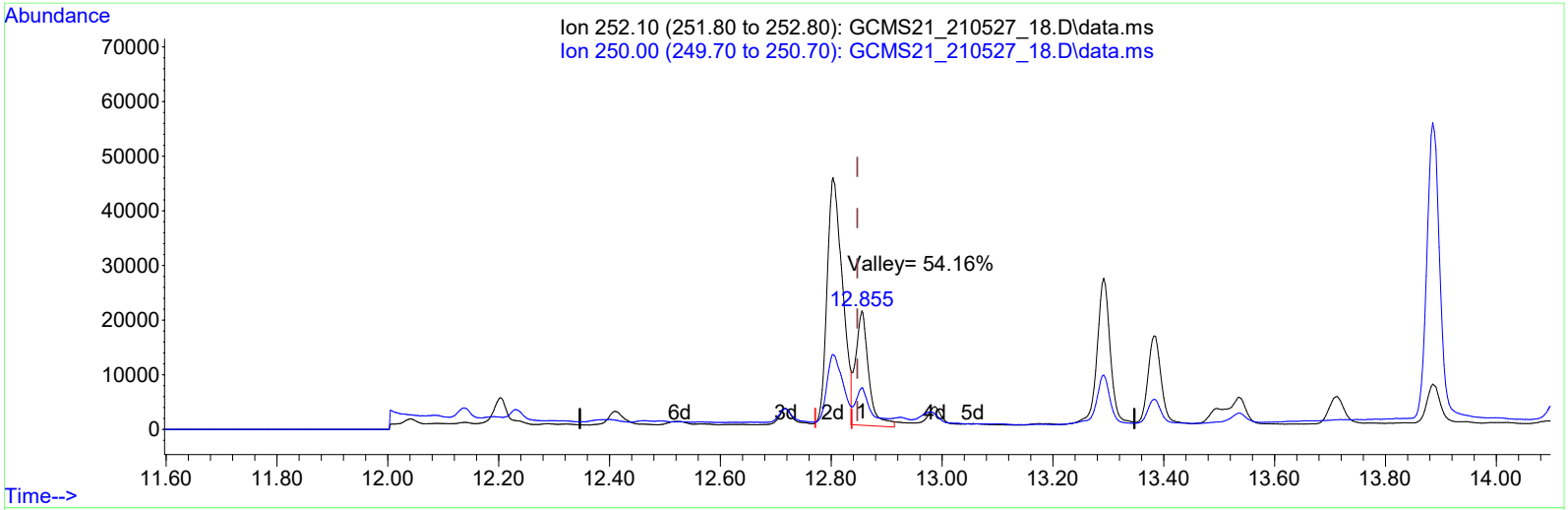
response 118079

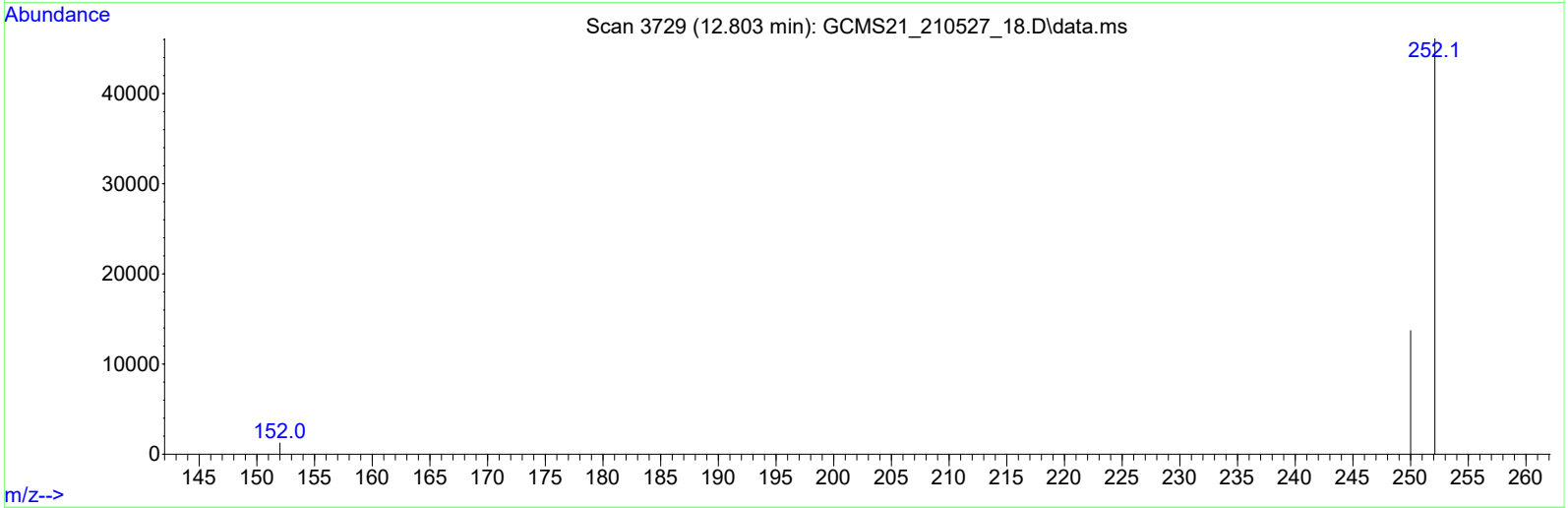
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	20.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210527
... 006\
Data File : GCMS21_210527_18.D
Acq On : 27 May 2021 07:10 pm
Operator : MN GCMS21
Sample : 2105001-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 28 11:33:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210527_18.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.803min (-0.044) 52.60 ng/mL m

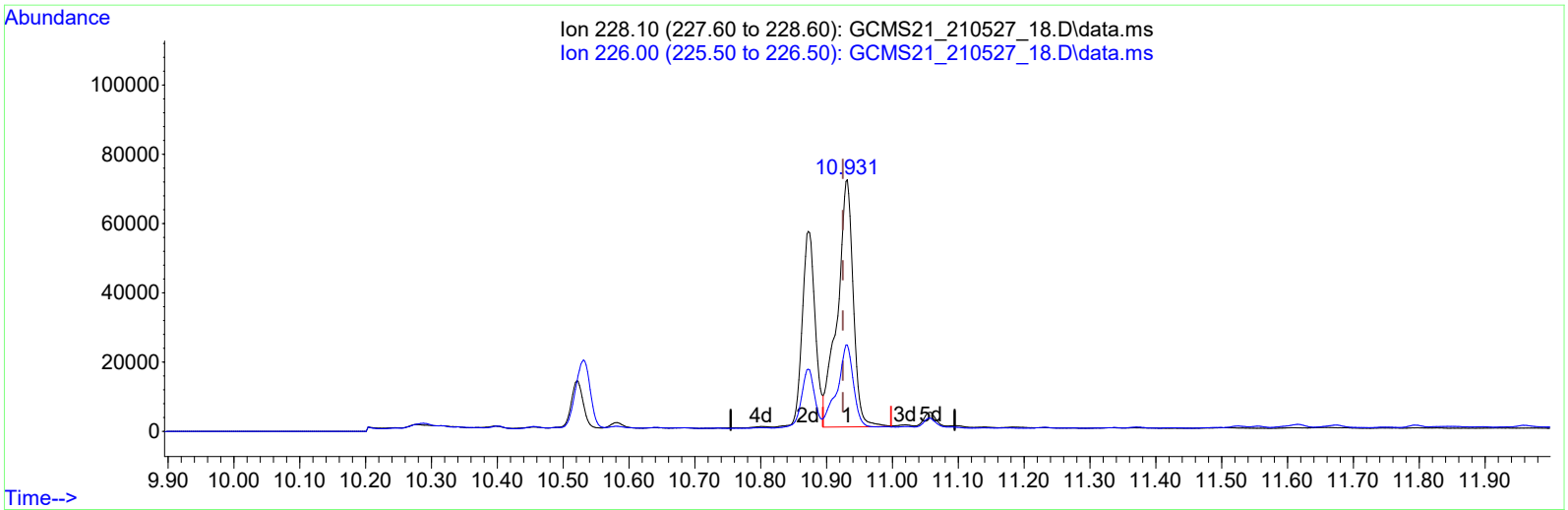
response 90976

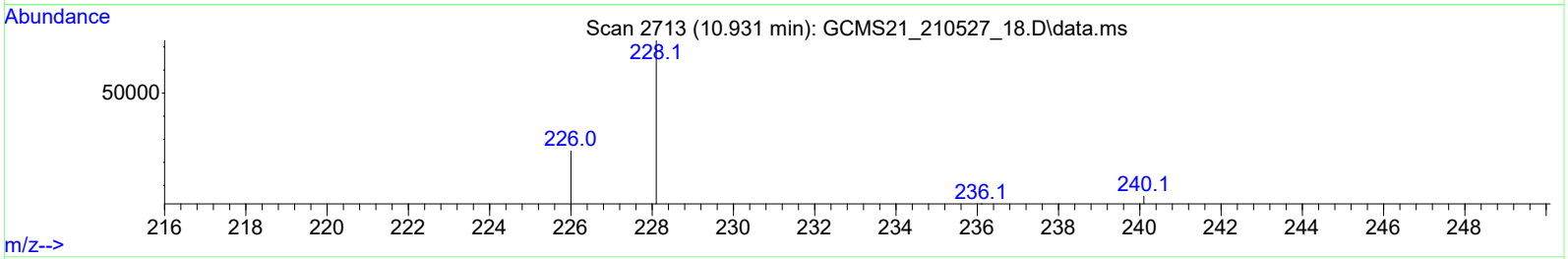
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	40.93
0.00	0.00	0.00
0.00	0.00	0.00

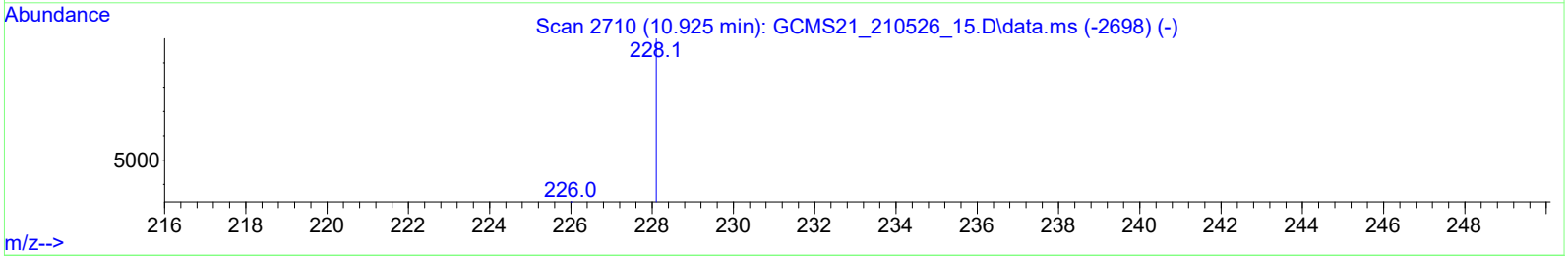
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 527__B21E006\
Data File : GCMS21_210527_18.D
Acq On : 27 May 2021 07:10 pm
Operator : MN GCMS21
Sample : 2105001-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 21 13:48:05 2021
Quant Method : D:\Methods\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_18.D\data.ms

(20) Chrysene (M)

10.931min (+ 0.006) 64.40 ng/mL

response 120481

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	32.80	34.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
...527__B21E006\
Data File : GCMS21_210527_19.D
Acq On : 27 May 2021 07:35 pm
Operator : MN GCMS21
Sample : 2105001-04_REINJECT
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 21 13:51:15 2021
Quant Method : D:\Methods\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

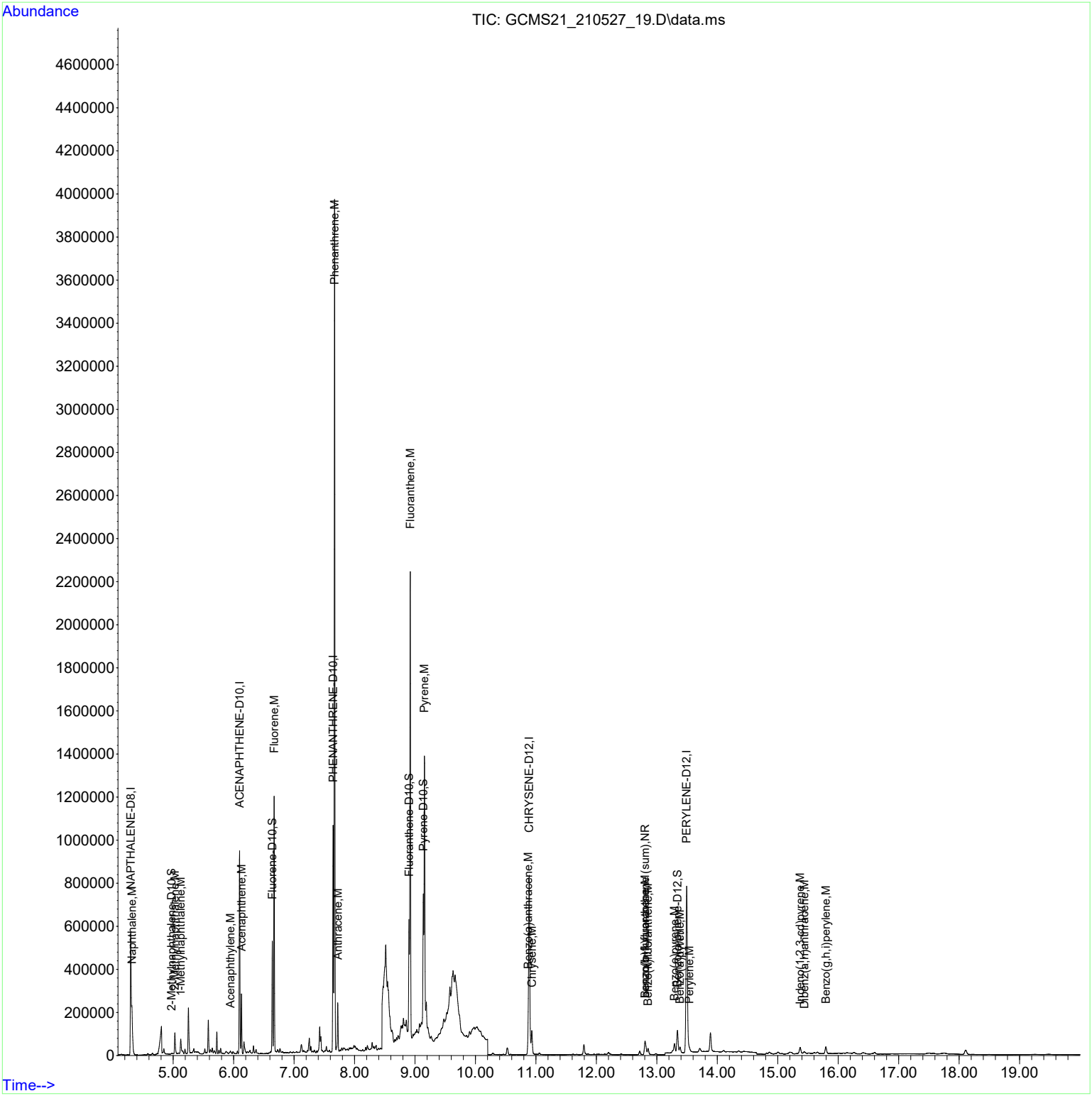
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	600575	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.099	164	363414	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	772487	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.889	240	807027	500.00	ng/mL	0.00
21) PERYLENE-D12	13.493	264	840151	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.972	152	623	0.82	ng/mL	-0.03
9) Fluorene-D10	6.641	176	205168	235.81	ng/mL	0.00
14) Fluoranthene-D10	8.902	212	339524	202.98	ng/mL	0.00
17) Pyrene-D10	9.138	212	391382	212.56	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.341	264	119828	87.79	ng/mL	0.01
Target Compounds						Qvalue
2) Naphthalene	4.318	128	120968	104.98	ng/mL	99
4) 2-Methylnaphthalene	5.028	142	40091	47.24	ng/mL	98
5) 1-Methylnaphthalene	5.126	142	19373	27.41	ng/mL	97
7) Acenaphthylene	5.945	152	7490	6.21	ng/mL#	87
8) Acenaphthene	6.129	153	75323	81.58	ng/mL	98
10) Fluorene	6.670	166	434097	424.77	ng/mL	99
12) Phenanthrene	7.670	178	2271794	1218.53	ng/mL	99
13) Anthracene	7.722	178	145734	94.01	ng/mL	94
15) Fluoranthene	8.922	202	1310934	666.24	ng/mL	99
18) Pyrene	9.156	202	777119	361.31	ng/mL	77
19) Benzo(a)anthracene	10.872	228	85587	52.73	ng/mL	99
20) Chrysene	10.931	228	130359	65.05	ng/mL	98
22) Benzo(b)fluoranthene	12.805	252	94690	54.30	ng/mL	95
23) Benzo(k)fluoranthene	12.854	252	34941	18.08	ng/mL	83
24) benzo(b+k)fluoranthene...	12.805	252	127188m	67.12	ng/mL	
25) Benzo(e)pyrene	13.292	252	48285	27.45	ng/mL	93
27) Benzo(a)pyrene	13.382	252	28765	18.07	ng/mL	98
28) Perylene	13.537	252	8982	5.03	ng/mL#	59
29) Indeno(1,2,3-cd)pyrene	15.370	276	35138	25.80	ng/mL	96
30) Dibenz(a,h)anthracene	15.440	278	10773	7.94	ng/mL	71
31) Benzo(g,h,i)perylene	15.797	276	36627	20.70	ng/mL	98

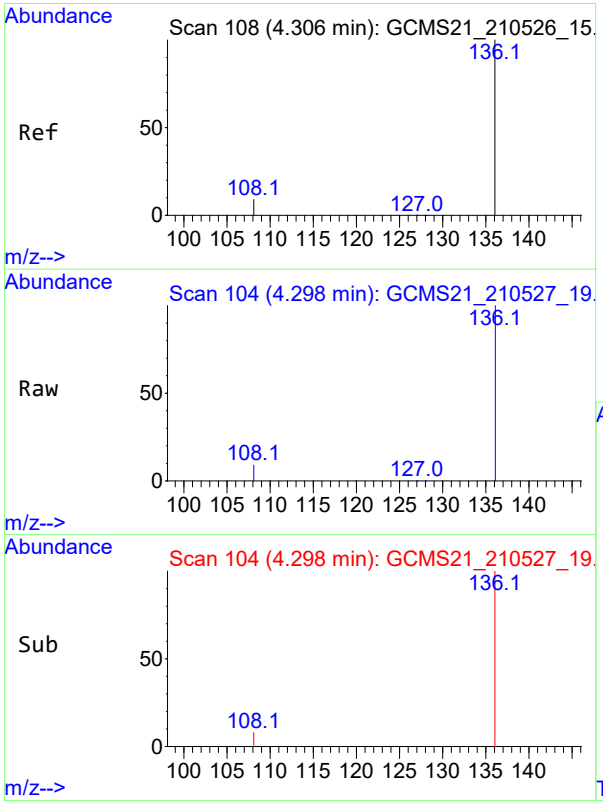
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 527__B21E006\
Data File : GCMS21_210527_19.D
Acq On : 27 May 2021 07:35 pm
Operator : MN GCMS21
Sample : 2105001-04_REINJECT
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 21 13:51:15 2021
Quant Method : D:\Methods\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

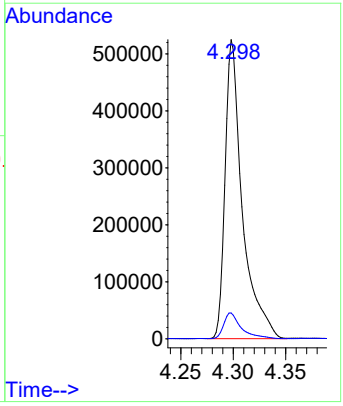


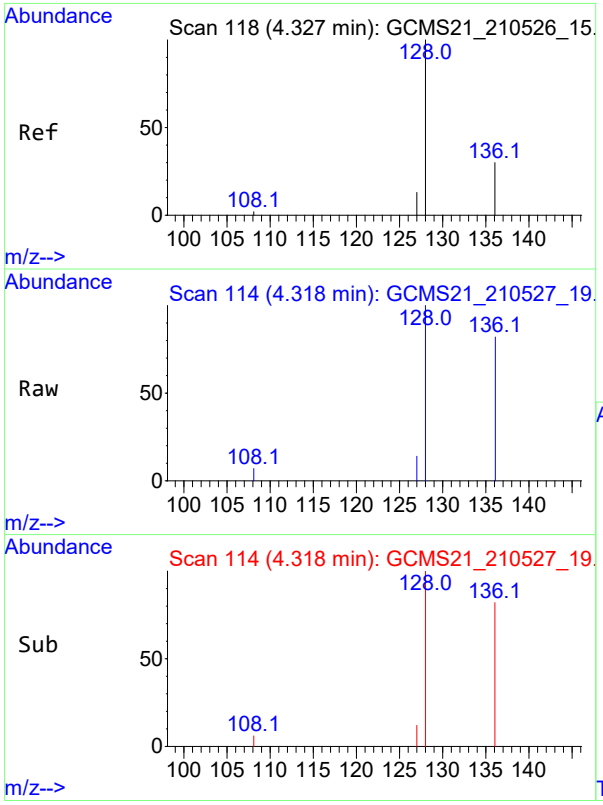


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:136 Resp: 600575

Ion	Ratio	Lower	Upper
136	100		
108	8.8	0.0	28.3

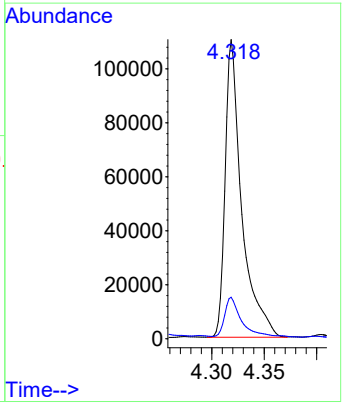


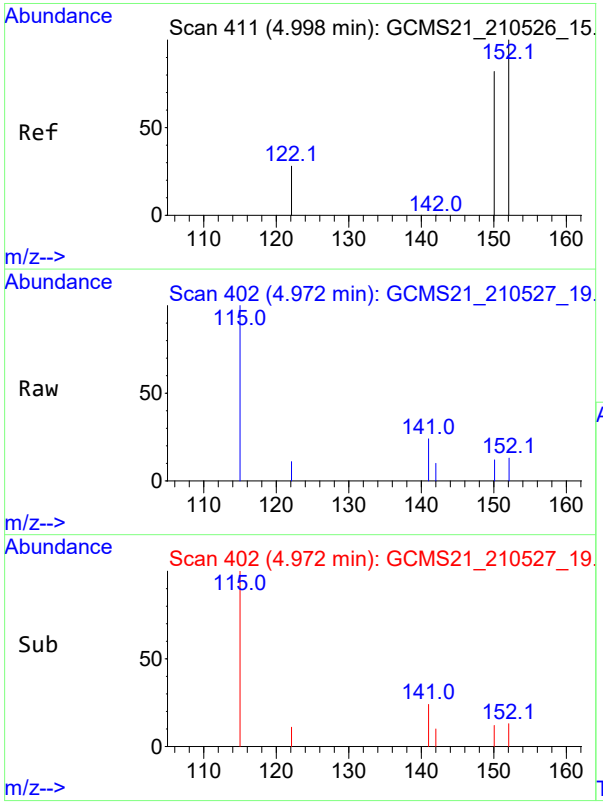


#2
Naphthalene
Concen: 104.98 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:128 Resp: 120968

Ion	Ratio	Lower	Upper
128	100		
127	13.8	0.0	43.3

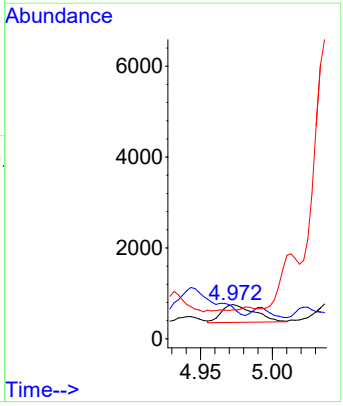


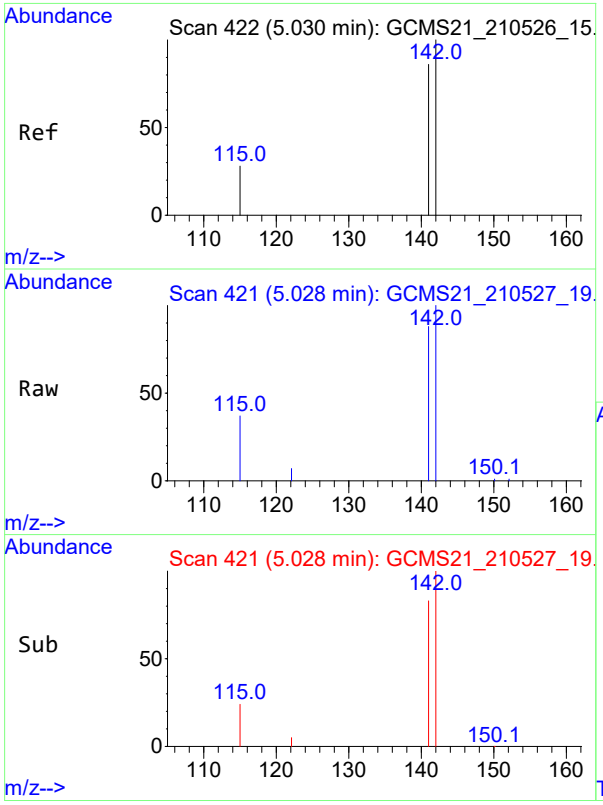


#3
2-Methylnaphthalene-D10
Concen: 0.82 ng/mL
RT: 4.972 min Scan# 402
Delta R.T. -0.026 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:152 Resp: 623

Ion	Ratio	Lower	Upper
152	100		
150	33.9	52.3	112.3#
122	0.0	0.0	57.5

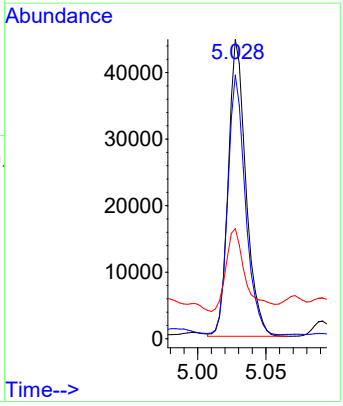


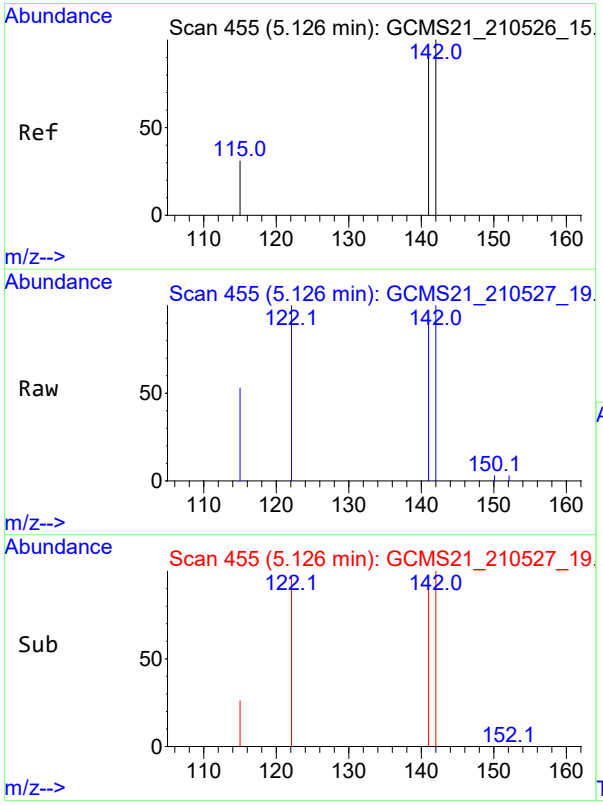


#4
2-Methylnaphthalene
Concen: 47.24 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:142 Resp: 40091

Ion	Ratio	Lower	Upper
142	100		
141	86.6	56.3	116.3
115	30.7	0.0	57.4

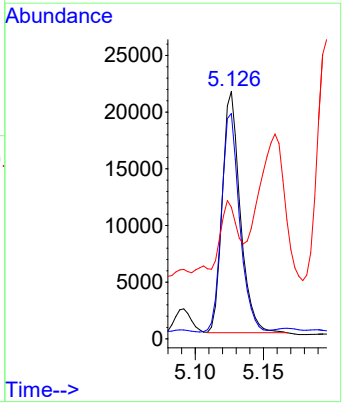


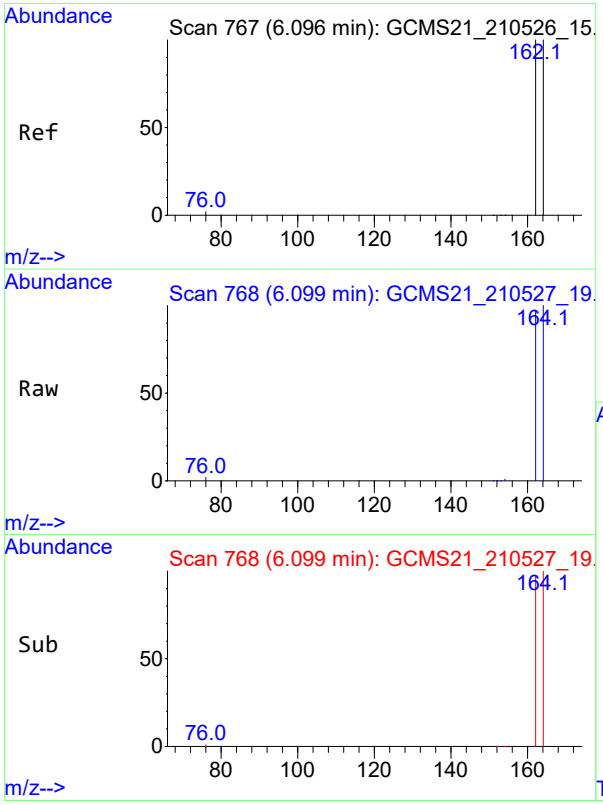


#5
1-Methylnaphthalene
Concen: 27.41 ng/mL
RT: 5.126 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:142 Resp: 19373

Ion	Ratio	Lower	Upper
142	100		
141	92.2	61.5	121.5
115	25.9	0.2	60.2

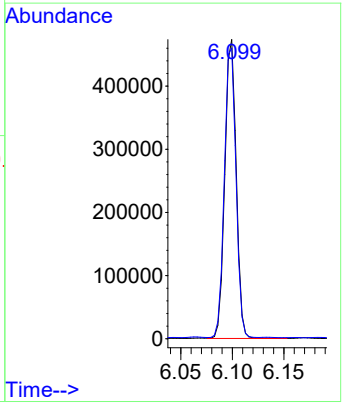


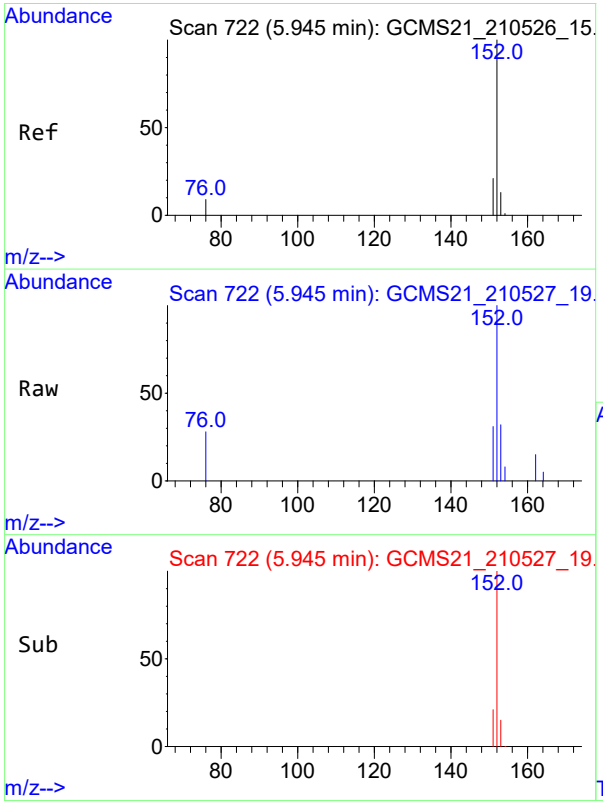


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.099 min Scan# 768
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:164 Resp: 363414

Ion	Ratio	Lower	Upper
164	100		
162	99.3	77.7	117.7

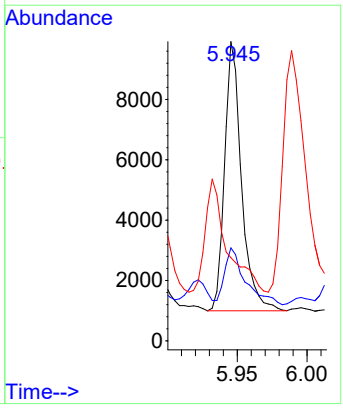


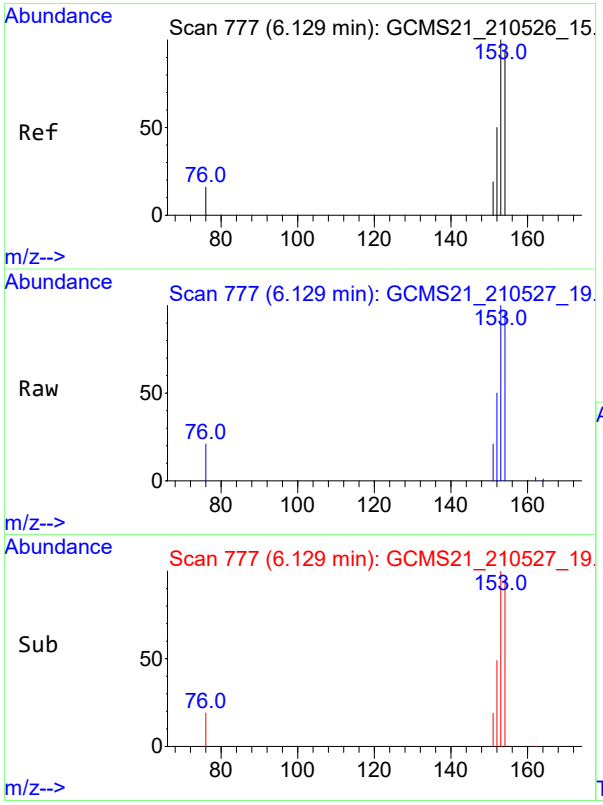


#7
Acenaphthylene
Concen: 6.21 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:152 Resp: 7490

Ion	Ratio	Lower	Upper
152	100		
151	25.6	0.0	52.0
76	0.0	0.0	39.5

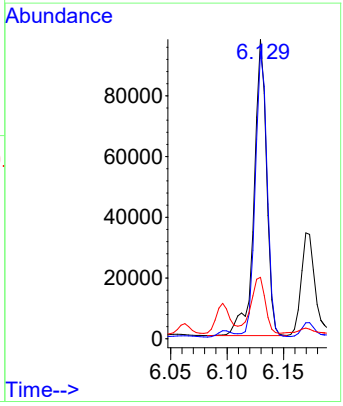


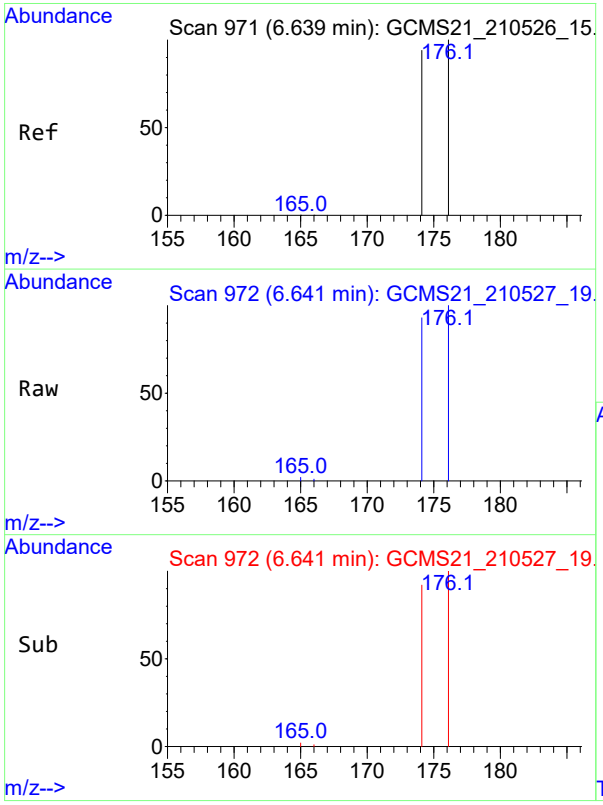


#8
Acenaphthene
Concen: 81.58 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:153 Resp: 75323

Ion	Ratio	Lower	Upper
153	100		
154	90.8	60.4	120.4
76	21.6	0.0	47.4

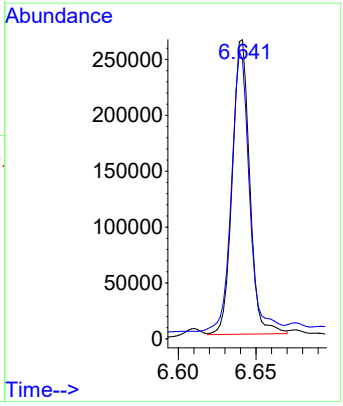


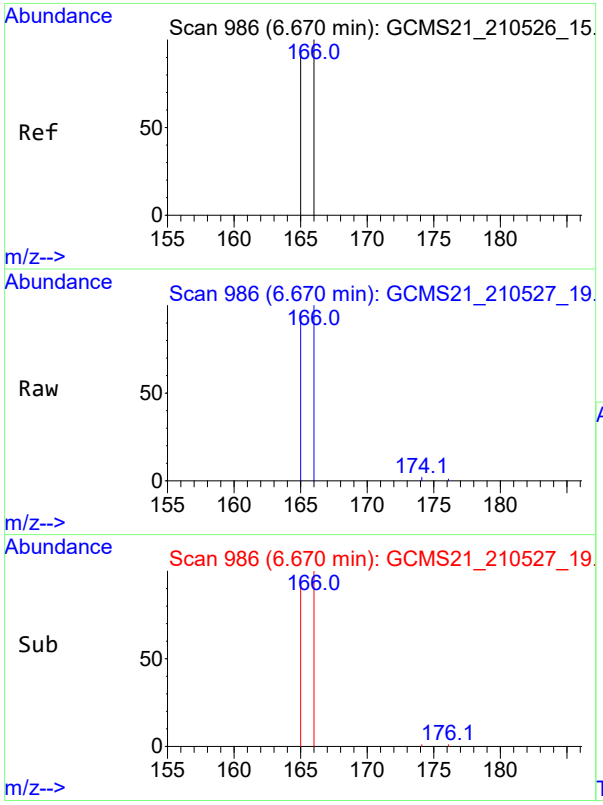


#9
Fluorene-D10
Concen: 235.81 ng/mL
RT: 6.641 min Scan# 972
Delta R.T. 0.002 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:176 Resp: 205168

Ion	Ratio	Lower	Upper
176	100		
174	99.2	63.9	123.9

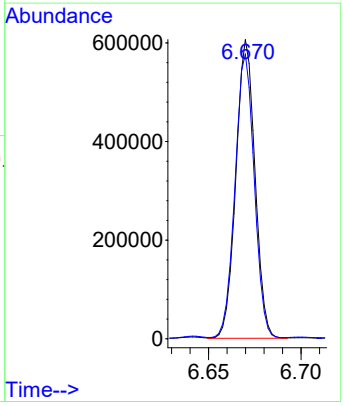


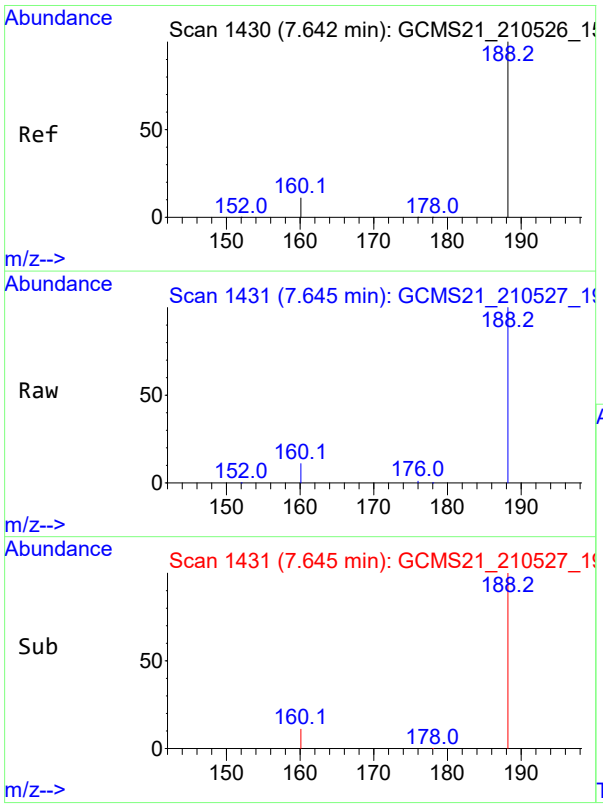


#10
Fluorene
Concen: 424.77 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:166 Resp: 434097

Ion	Ratio	Lower	Upper
166	100		
165	95.7	65.1	125.1

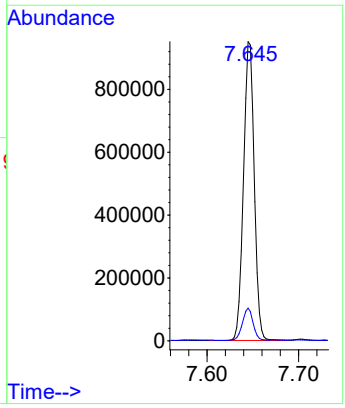


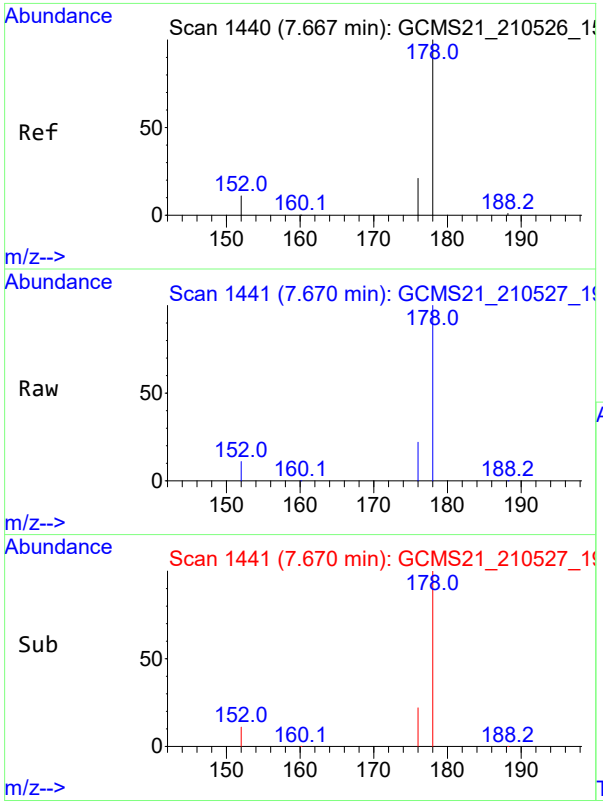


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.002 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:188 Resp: 772487

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	39.8

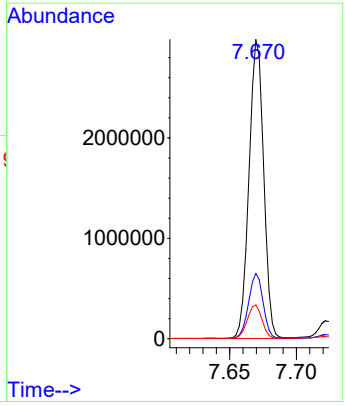


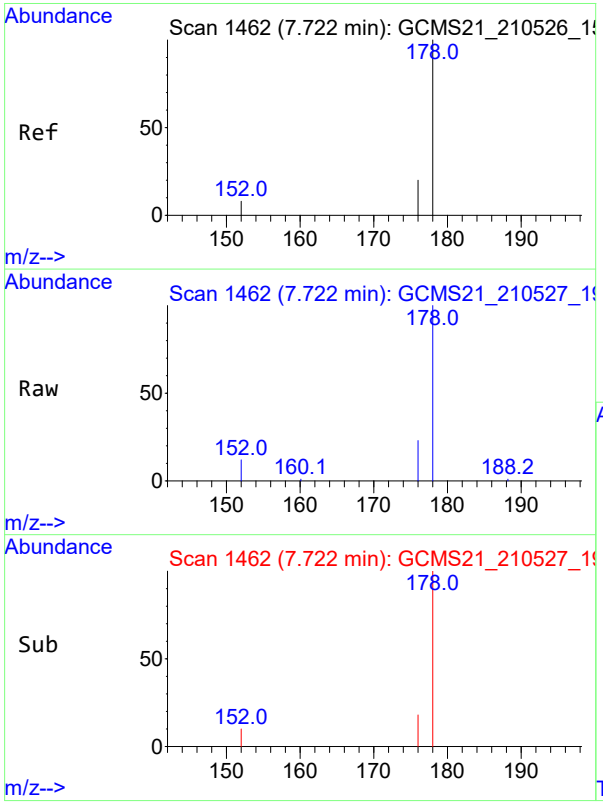


#12
Phenanthrene
Concen: 1218.53 ng/mL
RT: 7.670 min Scan# 1441
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:178 Resp: 2271794

Ion	Ratio	Lower	Upper
178	100		
176	21.3	0.0	50.9
152	11.2	0.0	40.5

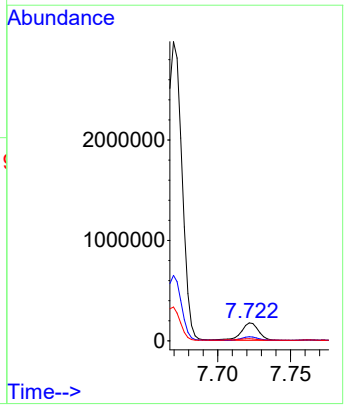


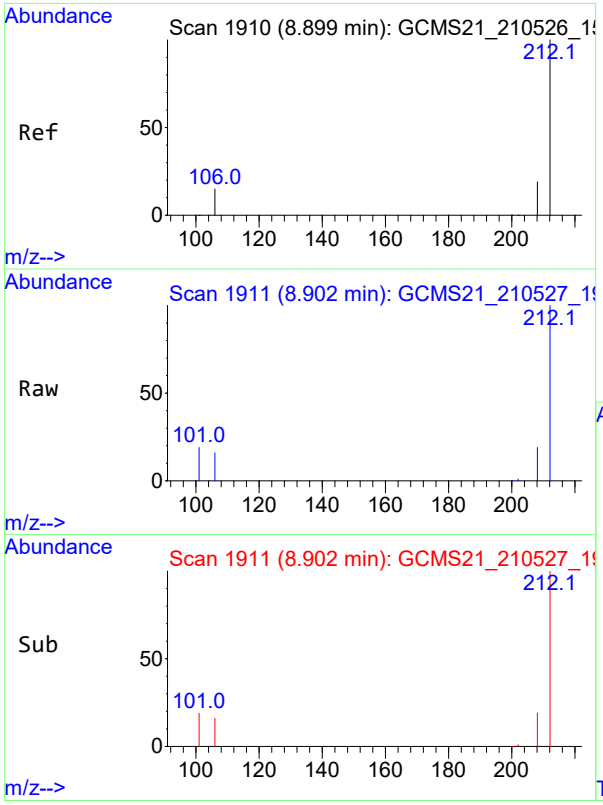


#13
Anthracene
Concen: 94.01 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:178 Resp: 145734

Ion	Ratio	Lower	Upper
178	100		
176	18.9	0.0	50.2
152	12.9	0.0	38.2

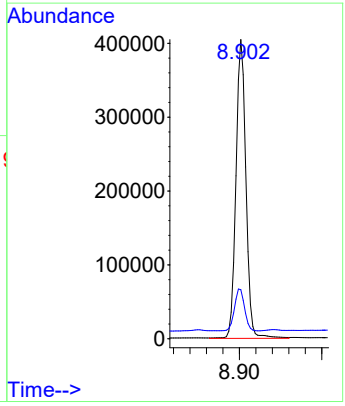


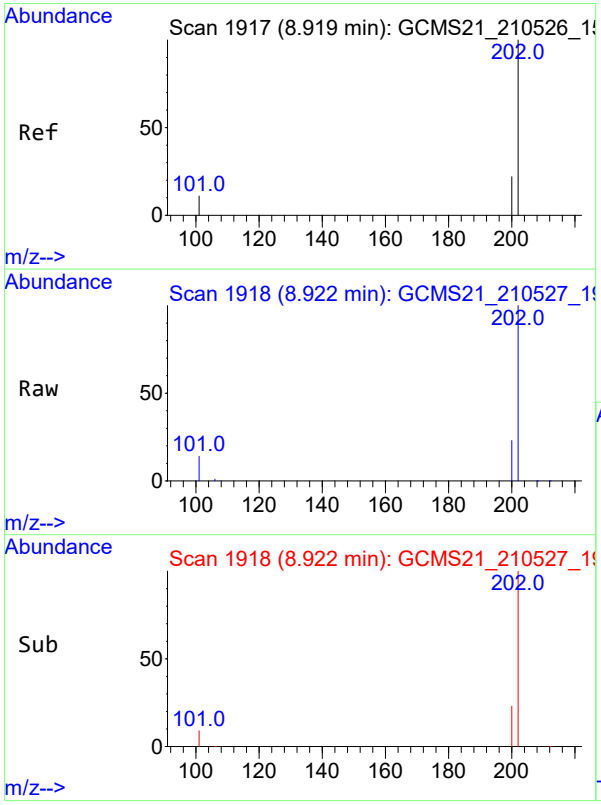


#14
Fluoranthene-D10
Concen: 202.98 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:212 Resp: 339524

Ion	Ratio	Lower	Upper
212	100		
106	14.1	0.0	44.9

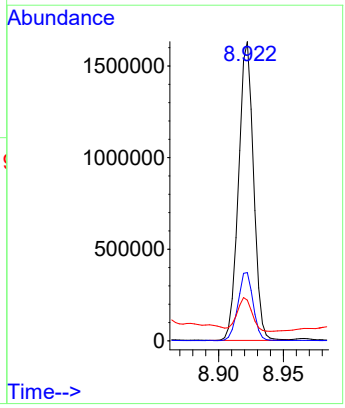


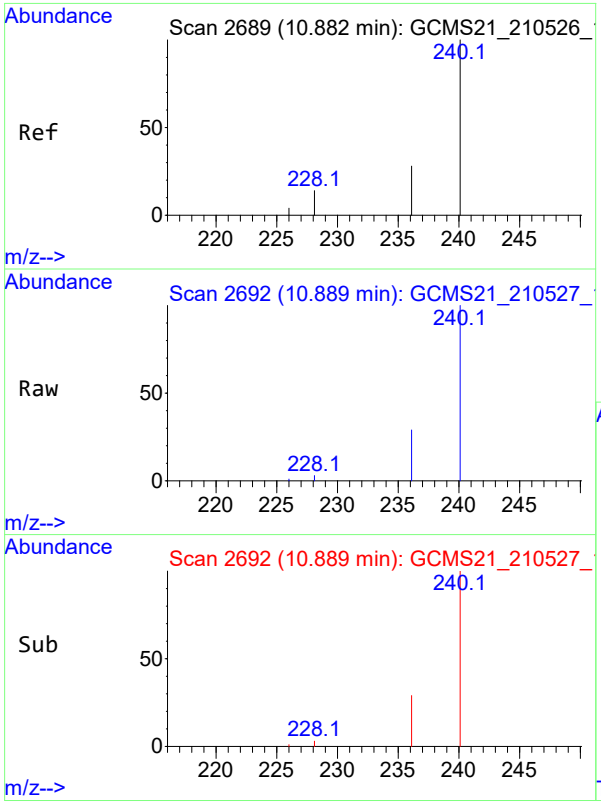


#15
Fluoranthene
Concen: 666.24 ng/mL
RT: 8.922 min Scan# 1918
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:202 Resp: 1310934

Ion	Ratio	Lower	Upper
202	100		
200	23.1	0.0	52.4
101	11.2	0.0	41.1

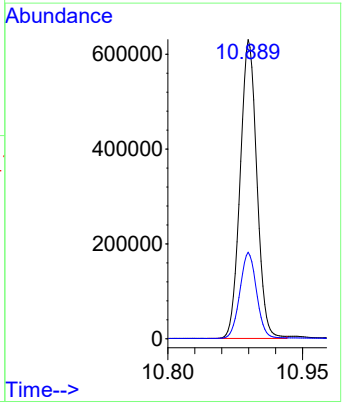


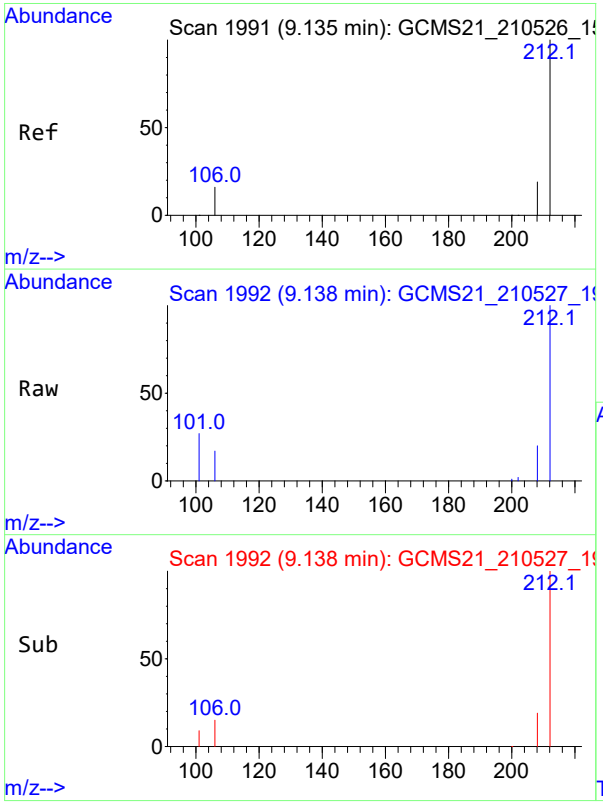


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.889 min Scan# 2692
Delta R.T. 0.006 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:240 Resp: 807027

Ion	Ratio	Lower	Upper
240	100		
236	29.1	0.0	58.6

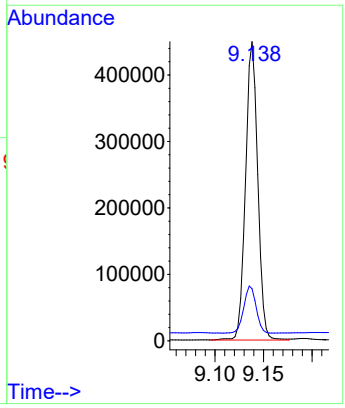


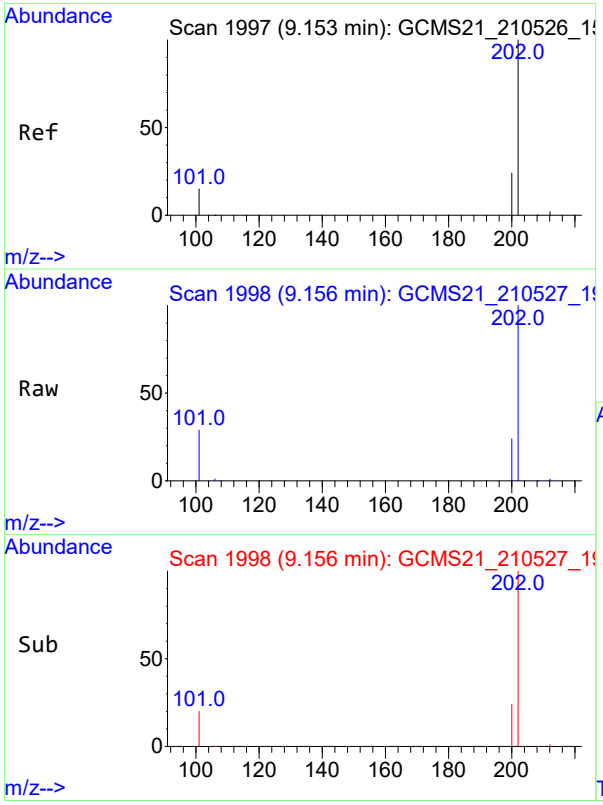


#17
Pyrene-D10
Concen: 212.56 ng/mL
RT: 9.138 min Scan# 1992
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:212 Resp: 391382

Ion	Ratio	Lower	Upper
212	100		
106	15.9	0.0	46.2

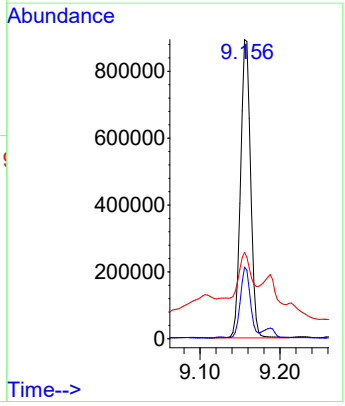


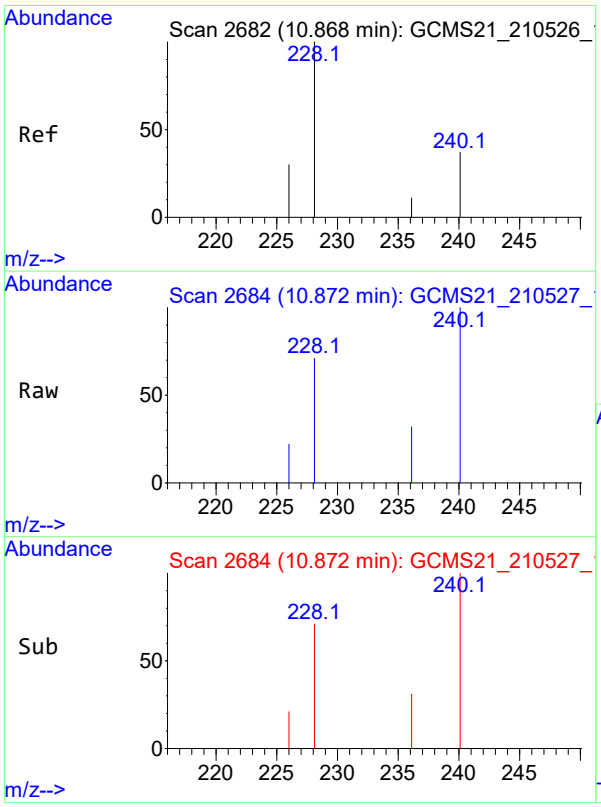


#18
Pyrene
Concen: 361.31 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:202 Resp: 777119

Ion	Ratio	Lower	Upper
202	100		
200	23.9	0.0	53.9
101	39.1	0.0	44.5

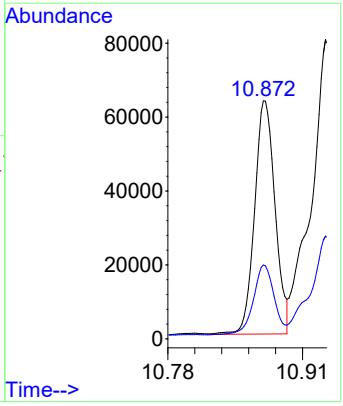


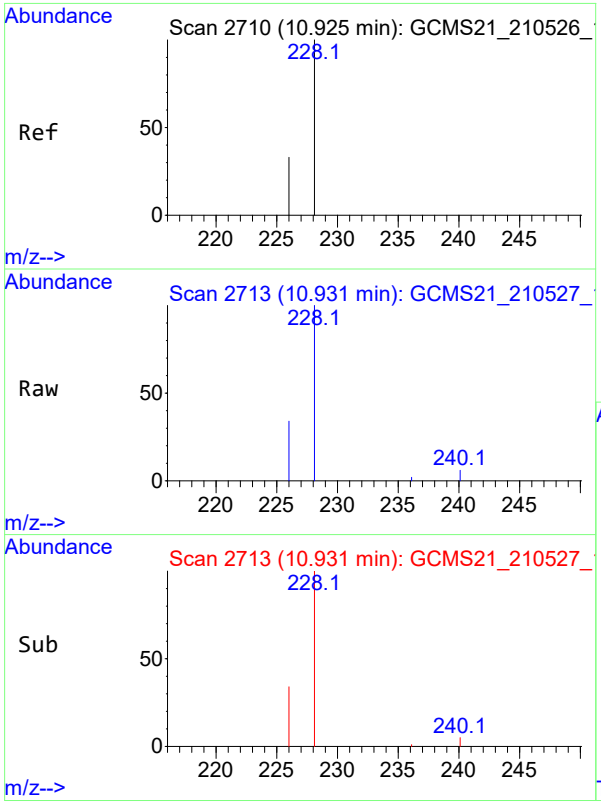


#19
Benzo(a)anthracene
Concen: 52.73 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. 0.004 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:228 Resp: 85587

Ion	Ratio	Lower	Upper
228	100		
226	30.5	0.0	59.8

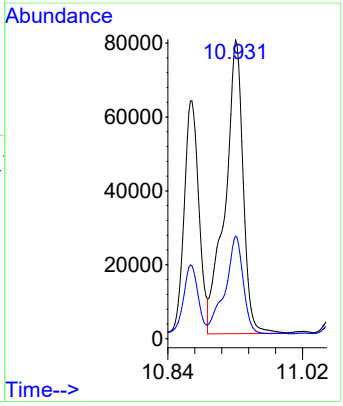


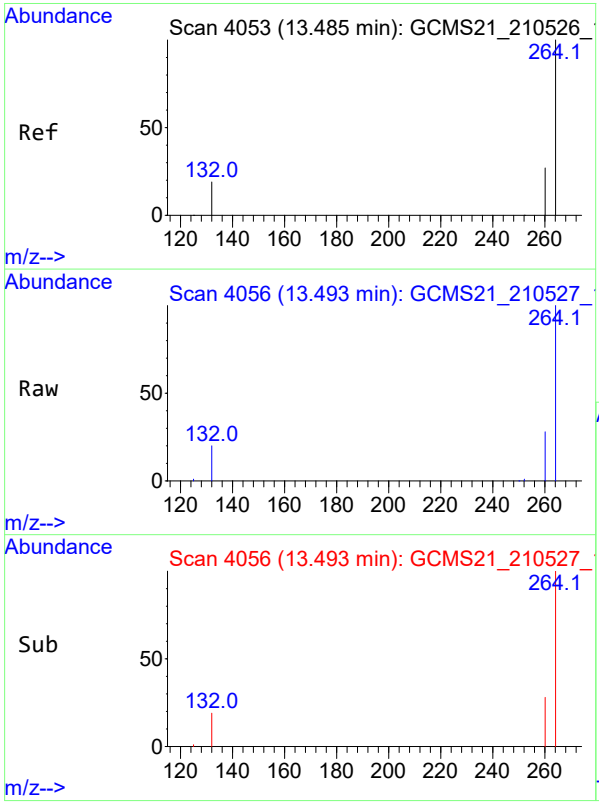


#20
Chrysene
Concen: 65.05 ng/mL
RT: 10.931 min Scan# 2713
Delta R.T. 0.006 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:228 Resp: 130359

Ion	Ratio	Lower	Upper
228	100		
226	33.9	2.8	62.8

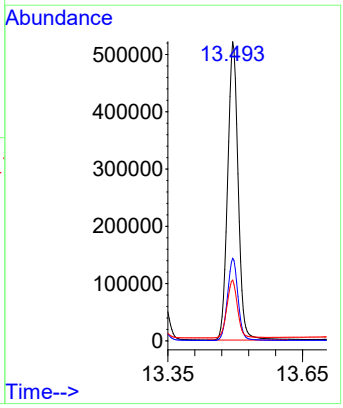


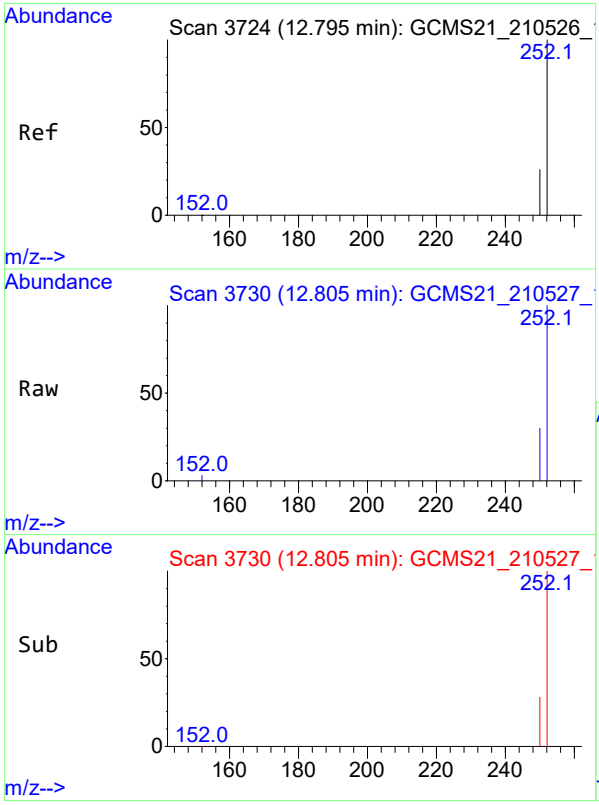


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.493 min Scan# 4056
Delta R.T. 0.008 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:264 Resp: 840151

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.5	0.0	49.5

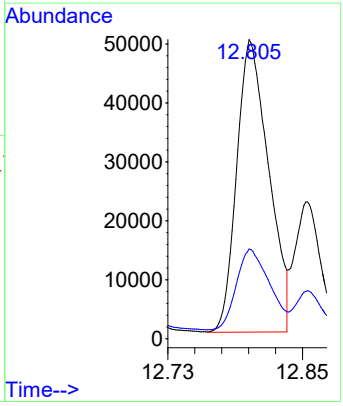


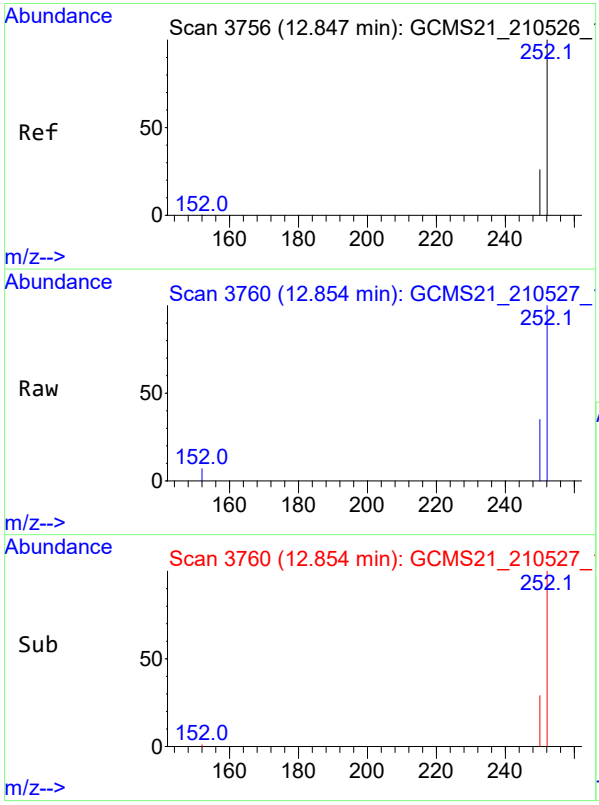


#22
Benzo(b)fluoranthene
Concen: 54.30 ng/mL
RT: 12.805 min Scan# 3730
Delta R.T. 0.010 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:252 Resp: 94690

Ion	Ratio	Lower	Upper
252	100		
250	28.8	0.0	56.2

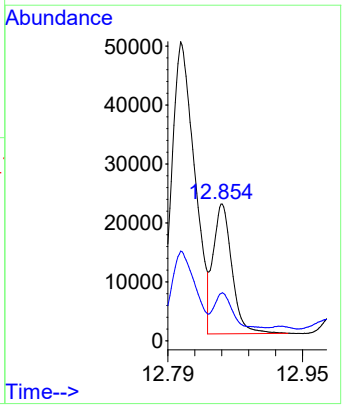


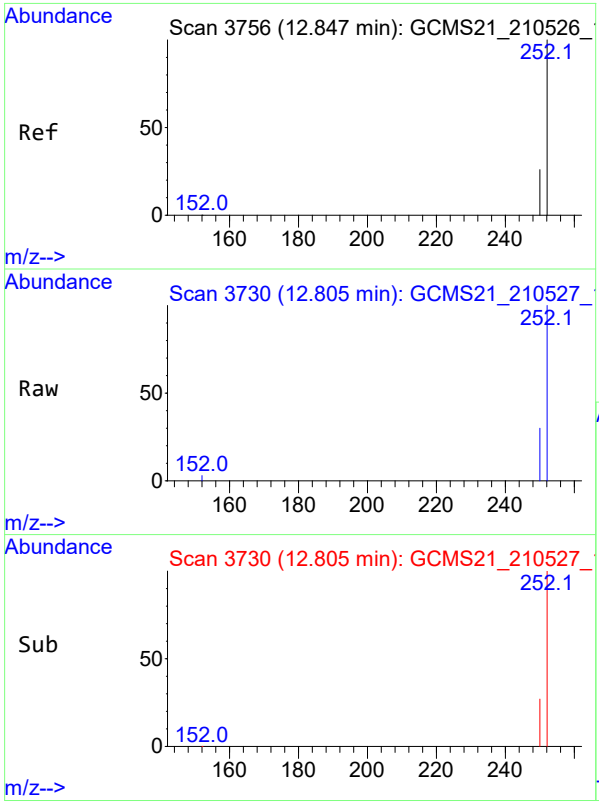


#23
Benzo(k)fluoranthene
Concen: 18.08 ng/mL
RT: 12.854 min Scan# 3760
Delta R.T. 0.006 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:252 Resp: 34941

Ion	Ratio	Lower	Upper
252	100		
250	34.0	0.0	55.6

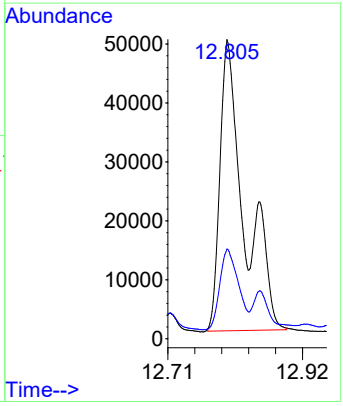


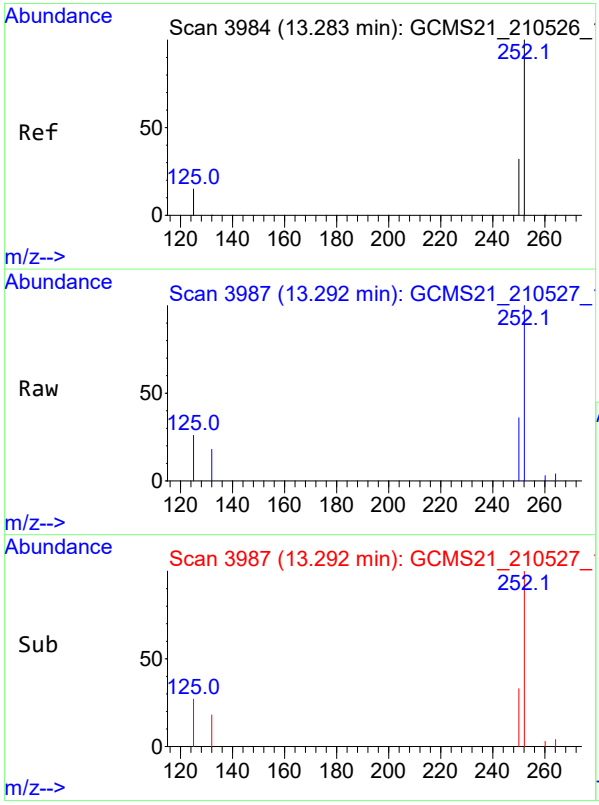


#24
benzo(b+k)fluoranthene (sum)
Concen: 67.12 ng/mL m
RT: 12.805 min Scan# 3730
Delta R.T. -0.042 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:252 Resp: 127188

Ion	Ratio	Lower	Upper
252	100		
250	9.5	0.0	55.6

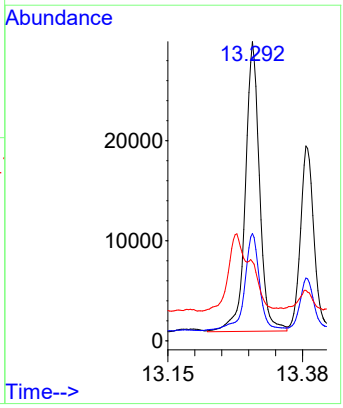


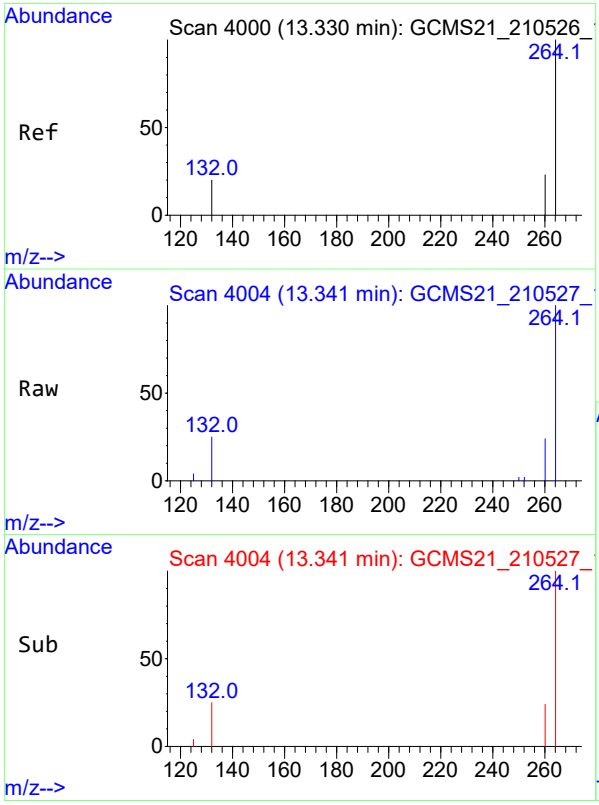


#25
Benzo(e)pyrene
Concen: 27.45 ng/mL
RT: 13.292 min Scan# 3987
Delta R.T. 0.009 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:252 Resp: 48285

Ion	Ratio	Lower	Upper
252	100		
250	35.8	2.2	62.2
125	11.6	0.0	45.4

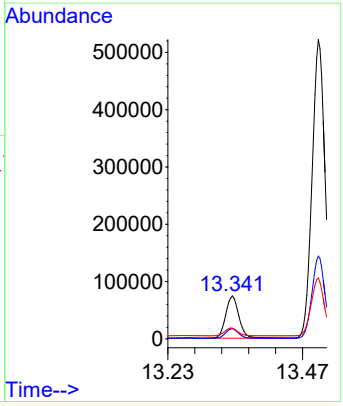


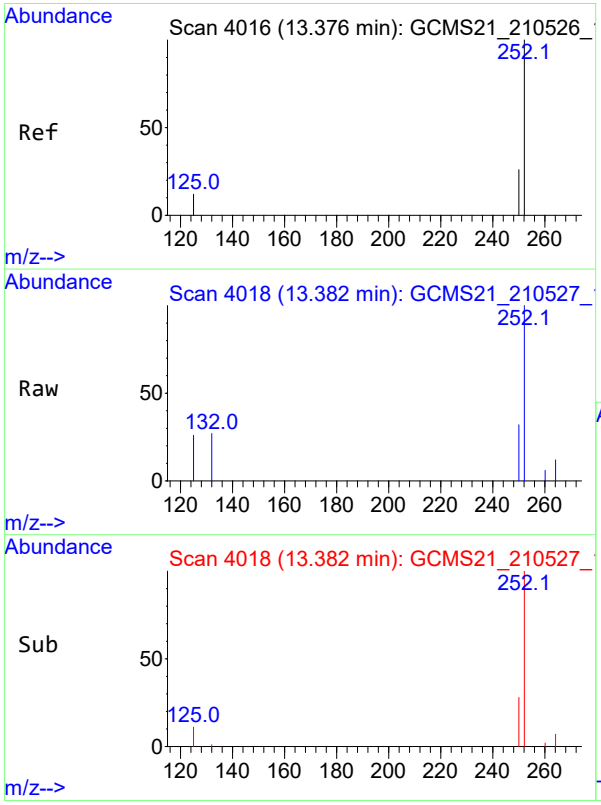


#26
Benzo(a)pyrene-D12
Concen: 87.79 ng/mL
RT: 13.341 min Scan# 4004
Delta R.T. 0.011 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:264 Resp: 119828

Ion	Ratio	Lower	Upper
264	100		
260	22.9	0.0	53.0
132	18.2	0.0	49.7

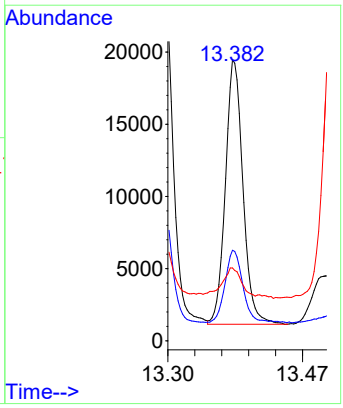


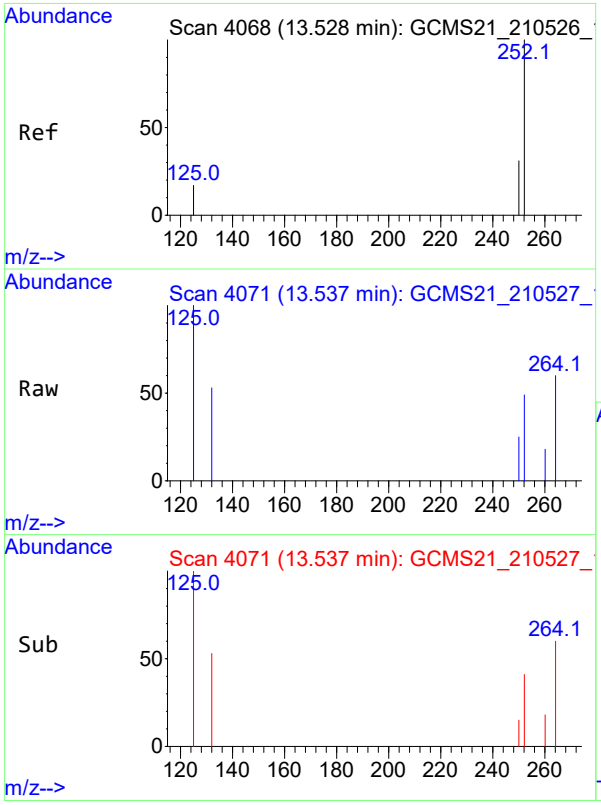


#27
Benzo(a)pyrene
Concen: 18.07 ng/mL
RT: 13.382 min Scan# 4018
Delta R.T. 0.006 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:252 Resp: 28765

Ion	Ratio	Lower	Upper
252	100		
250	27.5	0.0	56.4
125	11.1	0.0	41.7

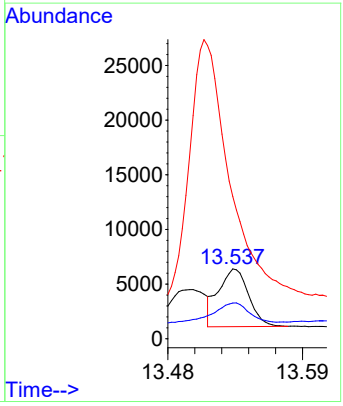


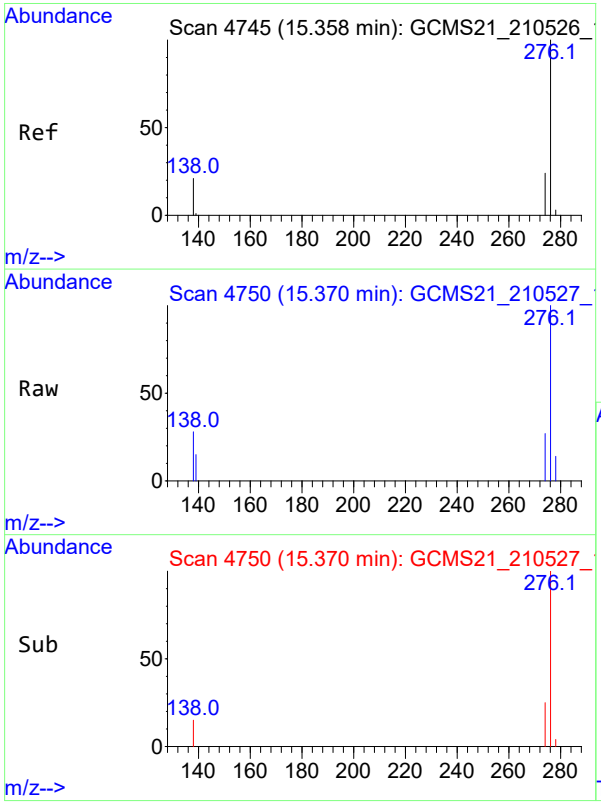


#28
Perylene
Concen: 5.03 ng/mL
RT: 13.537 min Scan# 4071
Delta R.T. 0.009 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:252 Resp: 8982

Ion	Ratio	Lower	Upper
252	100		
250	54.9	1.5	61.5
125	0.0	0.0	46.6

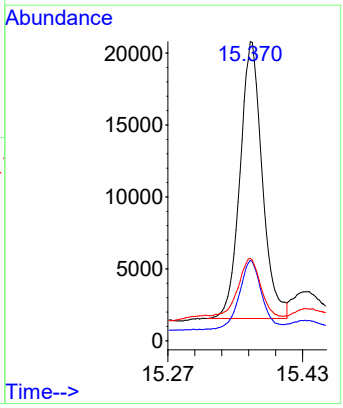


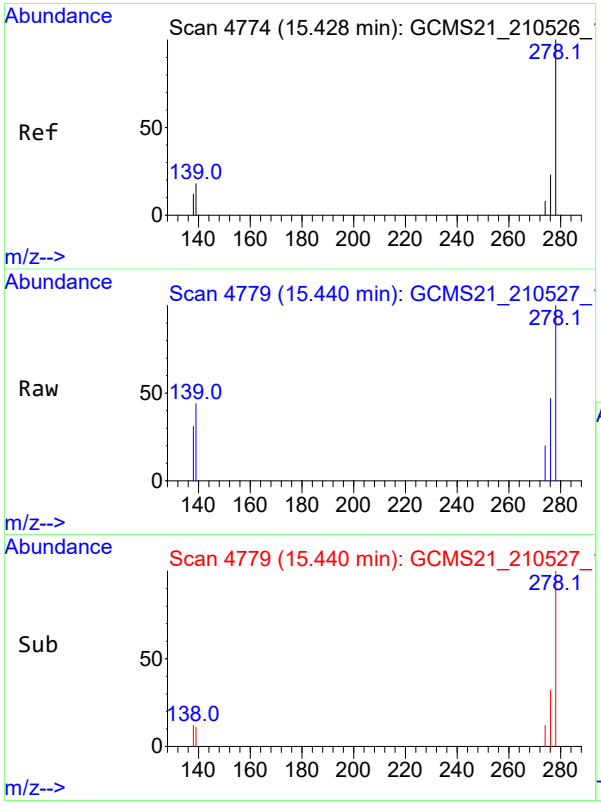


#29
Indeno(1,2,3-cd)pyrene
Concen: 25.80 ng/mL
RT: 15.370 min Scan# 4750
Delta R.T. 0.012 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:276 Resp: 35138

Ion	Ratio	Lower	Upper
276	100		
274	25.3	0.0	53.8
138	23.0	0.0	50.7

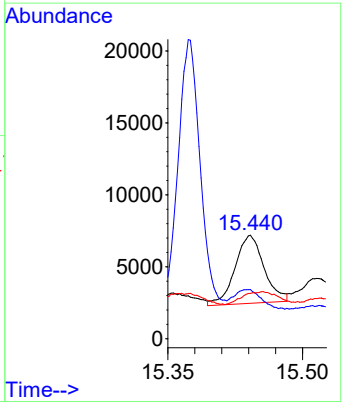


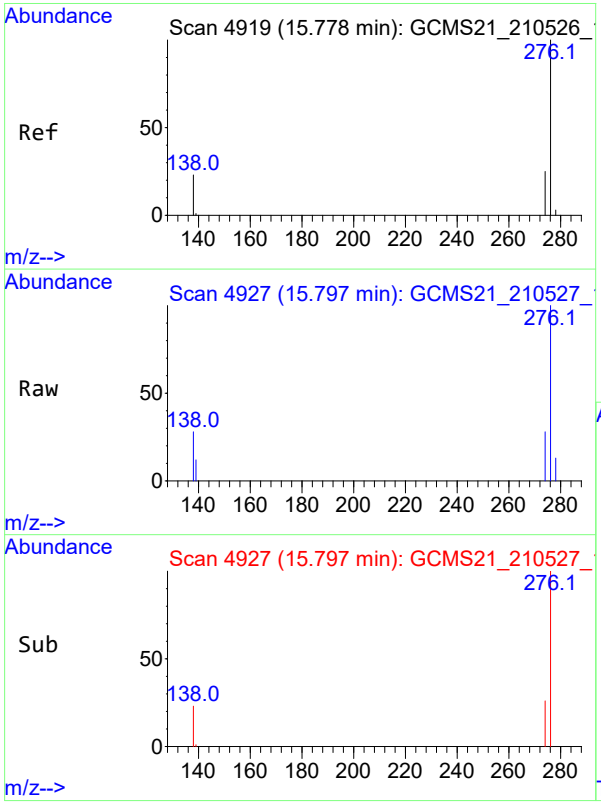


#30
Dibenz(a,h)anthracene
Concen: 7.94 ng/mL
RT: 15.440 min Scan# 4779
Delta R.T. 0.012 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:278 Resp: 10773

Ion	Ratio	Lower	Upper
278	100		
276	38.2	0.0	52.8
139	28.4	0.0	47.6

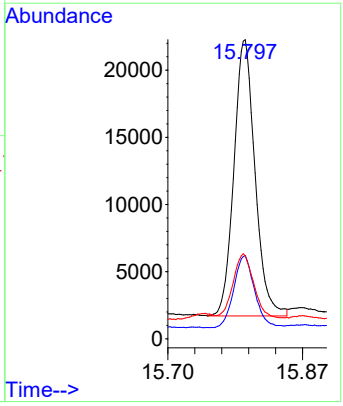




#31
Benzo(g,h,i)perylene
Concen: 20.70 ng/mL
RT: 15.797 min Scan# 4927
Delta R.T. 0.019 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 07:35 pm

Tgt Ion:276 Resp: 36627

Ion	Ratio	Lower	Upper
276	100		
274	25.7	0.0	54.8
138	22.4	0.0	52.9



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_19.D
Acq On : 27 May 2021 19:35
Operator : MN GCMS21
Sample : 2105001-04_REINJECT
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 28 11:33:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

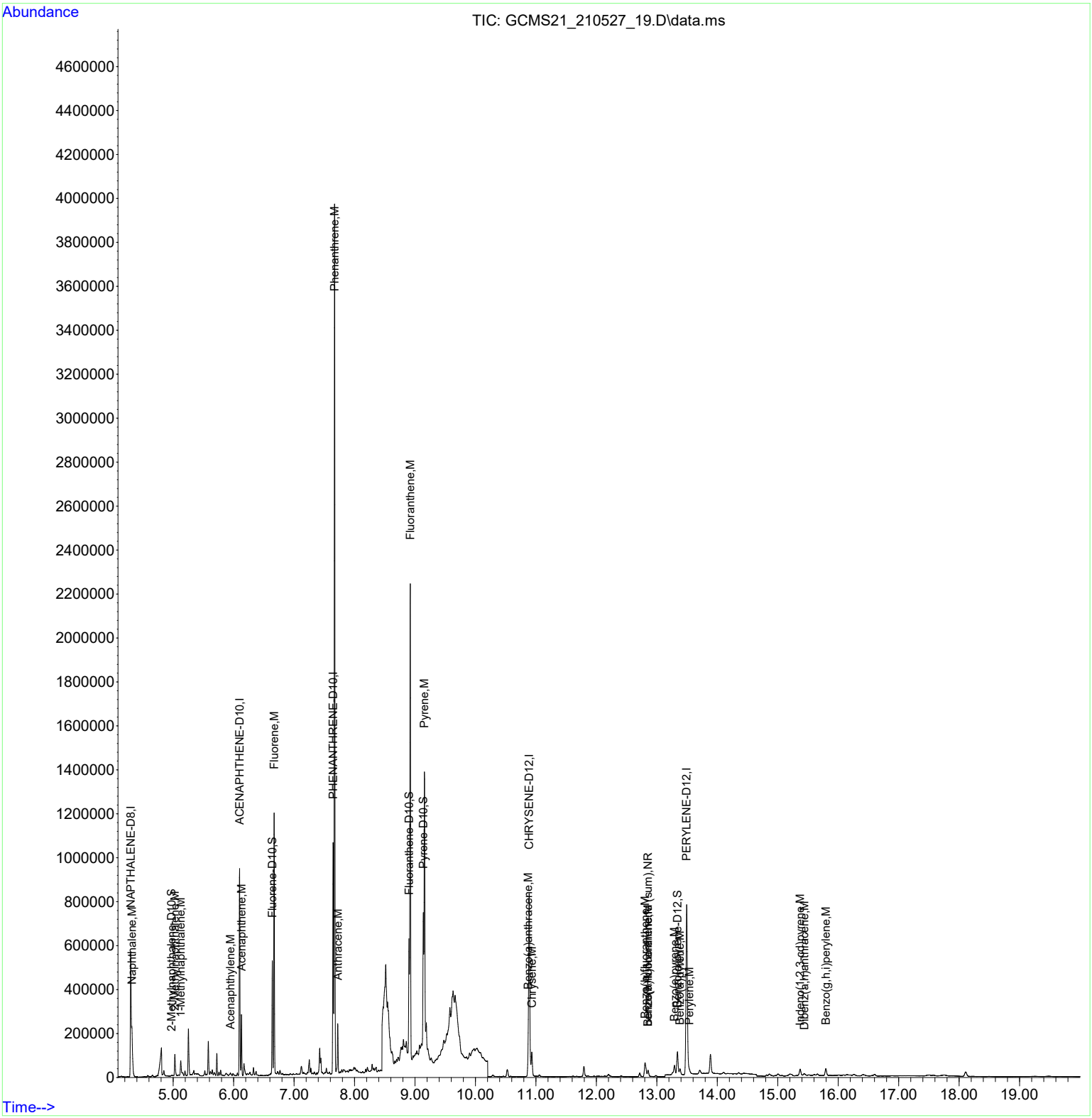
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.298	136	600575	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.099	164	363414	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.645	188	772487	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.889	240	807027	500.00	ng/mL	0.00
21) PERYLENE-D12	13.493	264	840151	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.972	152	623	0.82	ng/mL	-0.03
9) Fluorene-D10	6.641	176	205168	235.81	ng/mL	0.00
14) Fluoranthene-D10	8.902	212	339524	202.98	ng/mL	0.00
17) Pyrene-D10	9.138	212	391382	212.56	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.341	264	119828	87.79	ng/mL	0.01
Target Compounds						Qvalue
2) Naphthalene	4.318	128	120968	104.98	ng/mL	99
4) 2-Methylnaphthalene	5.028	142	40091	47.24	ng/mL	98
5) 1-Methylnaphthalene	5.126	142	19373	27.41	ng/mL	97
7) Acenaphthylene	5.945	152	7490	6.21	ng/mL#	87
8) Acenaphthene	6.129	153	75323	81.58	ng/mL	98
10) Fluorene	6.670	166	434097	424.77	ng/mL	99
12) Phenanthrene	7.670	178	2271794	1218.53	ng/mL	99
13) Anthracene	7.722	178	145734	94.01	ng/mL	94
15) Fluoranthene	8.922	202	1310934	666.24	ng/mL	99
18) Pyrene	9.156	202	777119	361.31	ng/mL	77
19) Benzo(a)anthracene	10.872	228	85587	52.73	ng/mL	99
20) Chrysene	10.931	228	130359	65.05	ng/mL	98
22) Benzo(b)fluoranthene	12.805	252	94690	54.30	ng/mL	95
23) Benzo(k)fluoranthene	12.854	252	34941	18.08	ng/mL	83
24) benzo(b+k)fluoranthene...	12.854	252	34955	18.45	ng/mL	82
25) Benzo(e)pyrene	13.292	252	48285	27.45	ng/mL	93
27) Benzo(a)pyrene	13.382	252	28765	18.07	ng/mL	98
28) Perylene	13.537	252	8982	5.03	ng/mL#	59
29) Indeno(1,2,3-cd)pyrene	15.370	276	35138	25.80	ng/mL	96
30) Dibenz(a,h)anthracene	15.440	278	10773	7.94	ng/mL	71
31) Benzo(g,h,i)perylene	15.797	276	36627	20.70	ng/mL	98

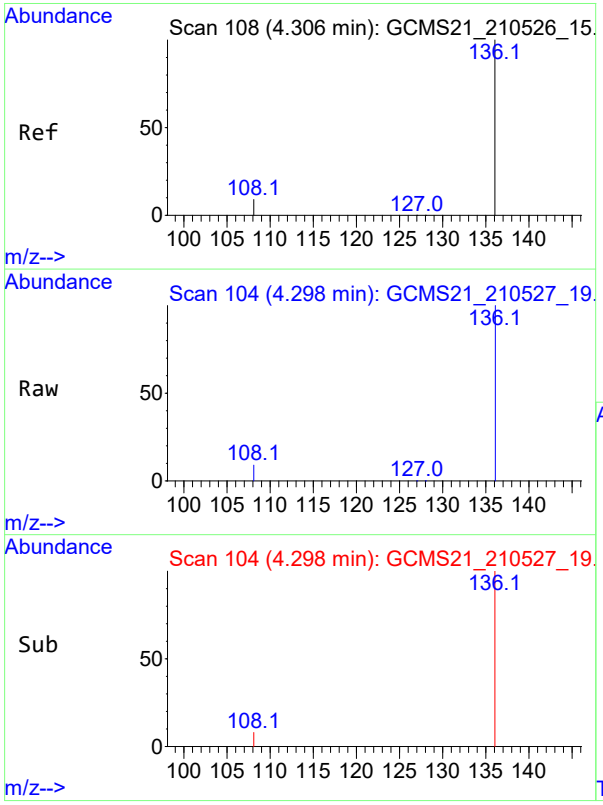
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_19.D
Acq On : 27 May 2021 19:35
Operator : MN GCMS21
Sample : 2105001-04_REINJECT
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 28 11:33:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

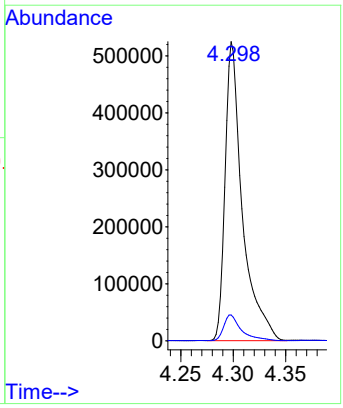


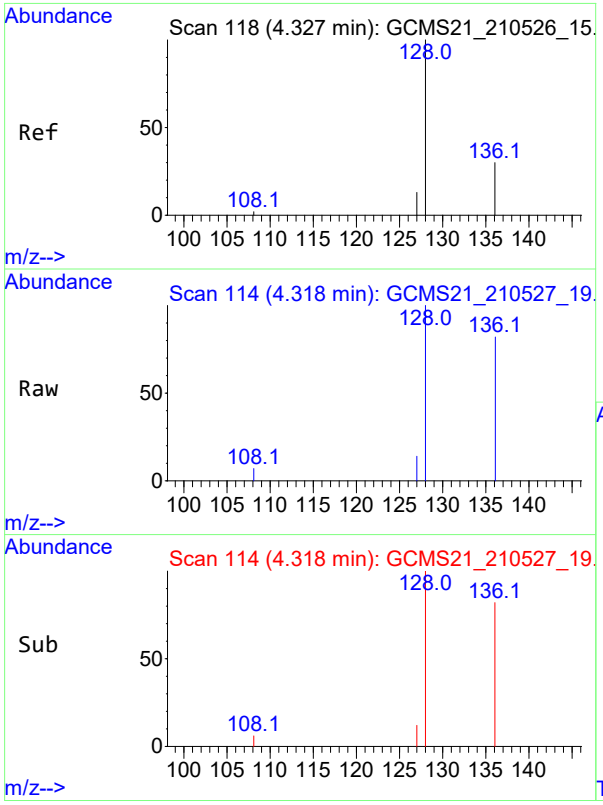


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. -0.008 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:136 Resp: 600575

Ion	Ratio	Lower	Upper
136	100		
108	8.8	0.0	28.3

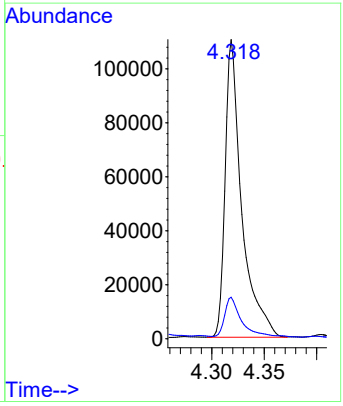


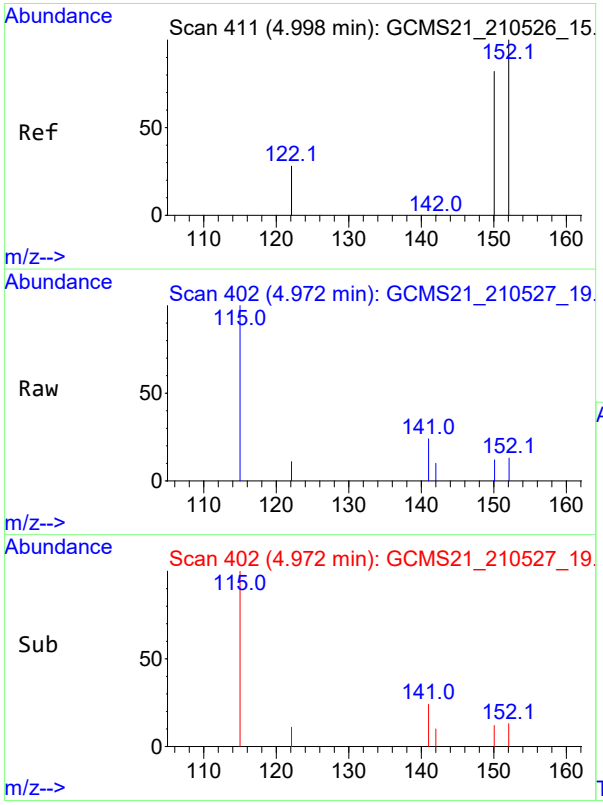


#2
Naphthalene
Concen: 104.98 ng/mL
RT: 4.318 min Scan# 114
Delta R.T. -0.008 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:128 Resp: 120968

Ion	Ratio	Lower	Upper
128	100		
127	13.8	0.0	43.3

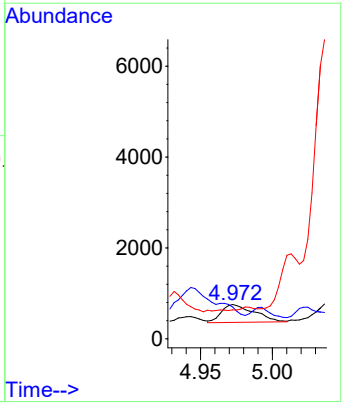


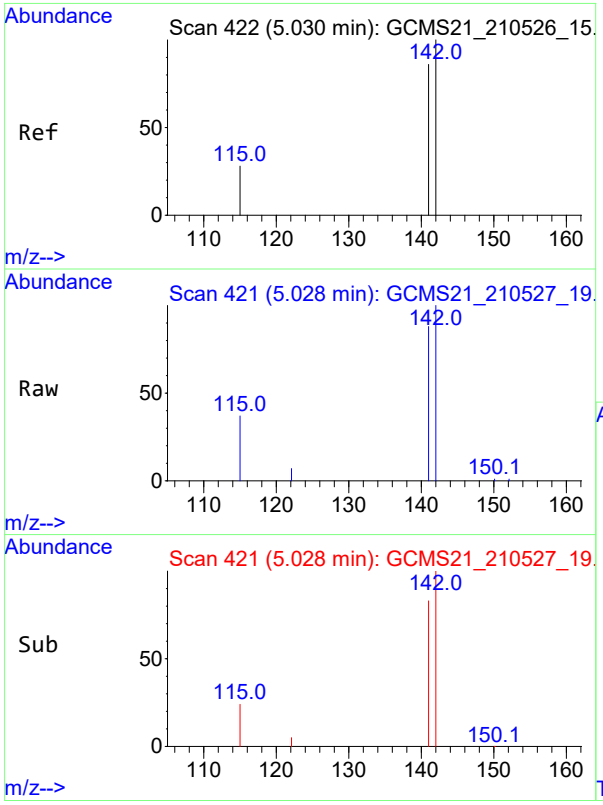


#3
2-Methylnaphthalene-D10
Concen: 0.82 ng/mL
RT: 4.972 min Scan# 402
Delta R.T. -0.026 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:152 Resp: 623

Ion	Ratio	Lower	Upper
152	100		
150	33.9	52.3	112.3#
122	0.0	0.0	57.5

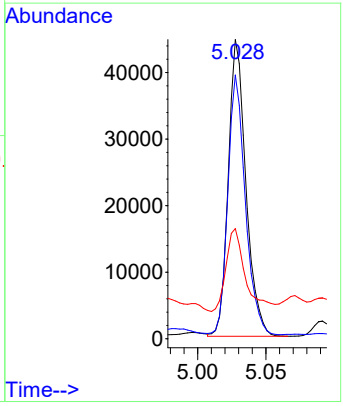


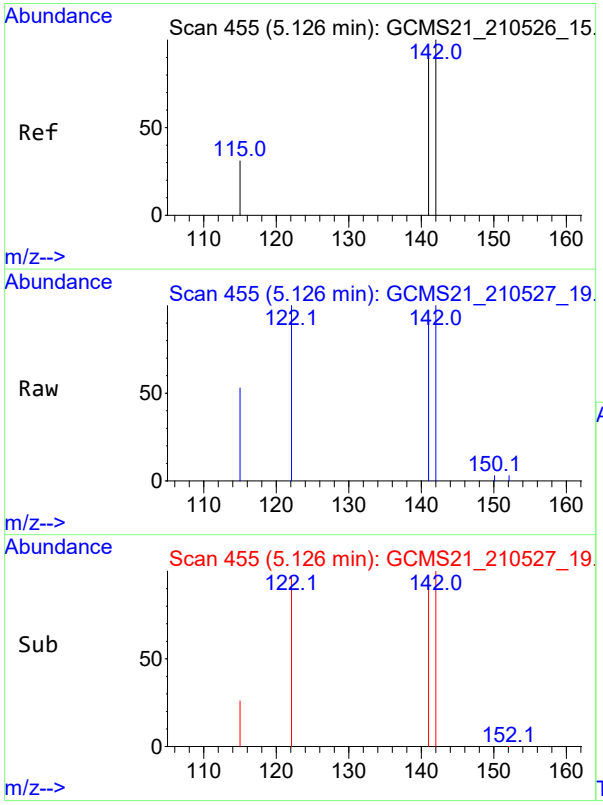


#4
2-Methylnaphthalene
Concen: 47.24 ng/mL
RT: 5.028 min Scan# 421
Delta R.T. -0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:142 Resp: 40091

Ion	Ratio	Lower	Upper
142	100		
141	86.6	56.3	116.3
115	30.7	0.0	57.4

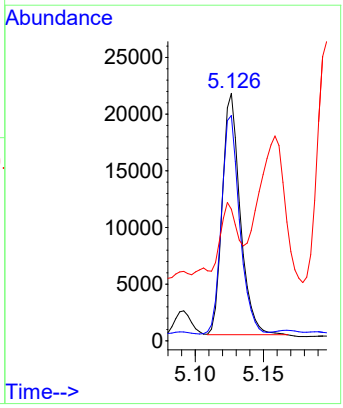


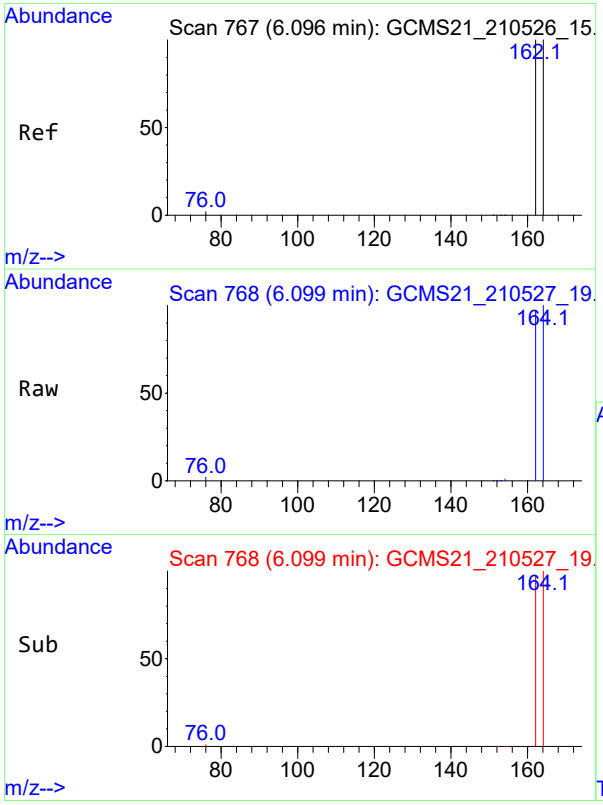


#5
1-Methylnaphthalene
Concen: 27.41 ng/mL
RT: 5.126 min Scan# 455
Delta R.T. 0.000 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:142 Resp: 19373

Ion	Ratio	Lower	Upper
142	100		
141	92.2	61.5	121.5
115	25.9	0.2	60.2

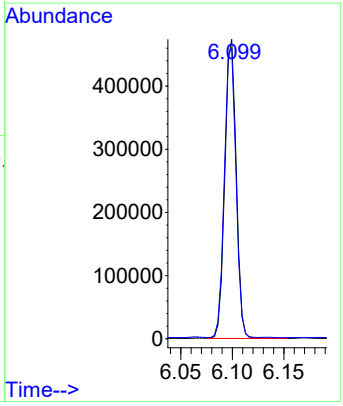


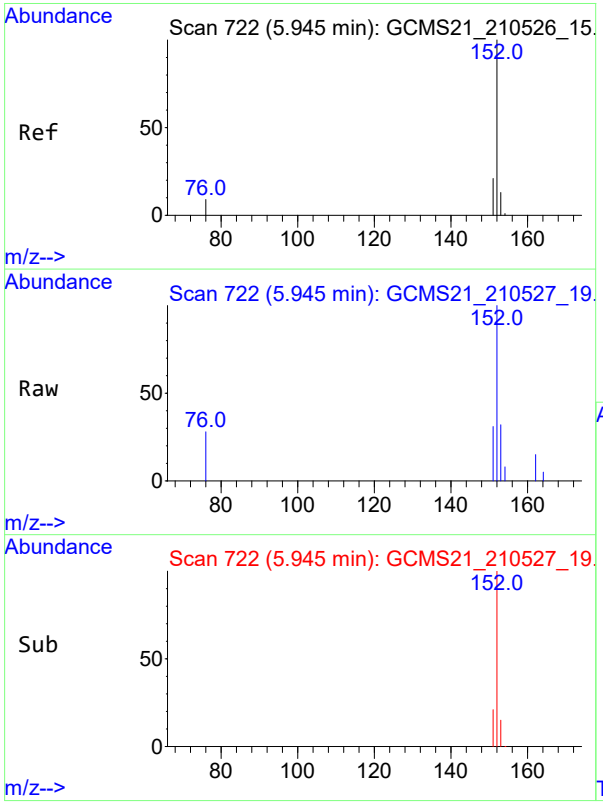


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.099 min Scan# 768
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:164 Resp: 363414

Ion	Ratio	Lower	Upper
164	100		
162	99.3	77.7	117.7

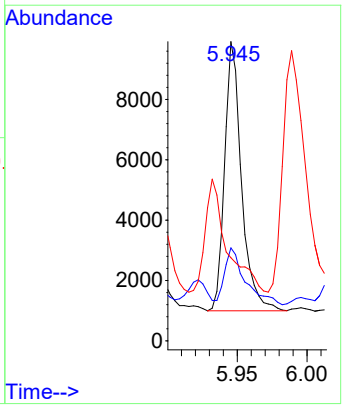


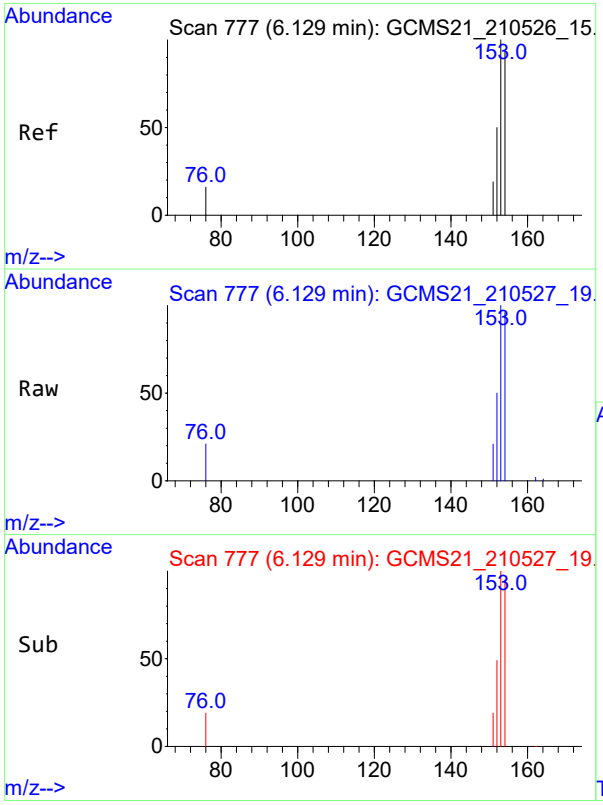


#7
Acenaphthylene
Concen: 6.21 ng/mL
RT: 5.945 min Scan# 722
Delta R.T. 0.000 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:152 Resp: 7490

Ion	Ratio	Lower	Upper
152	100		
151	25.6	0.0	52.0
76	0.0	0.0	39.5

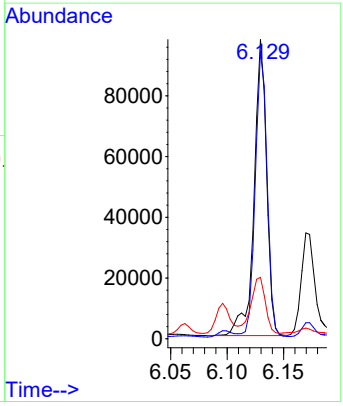


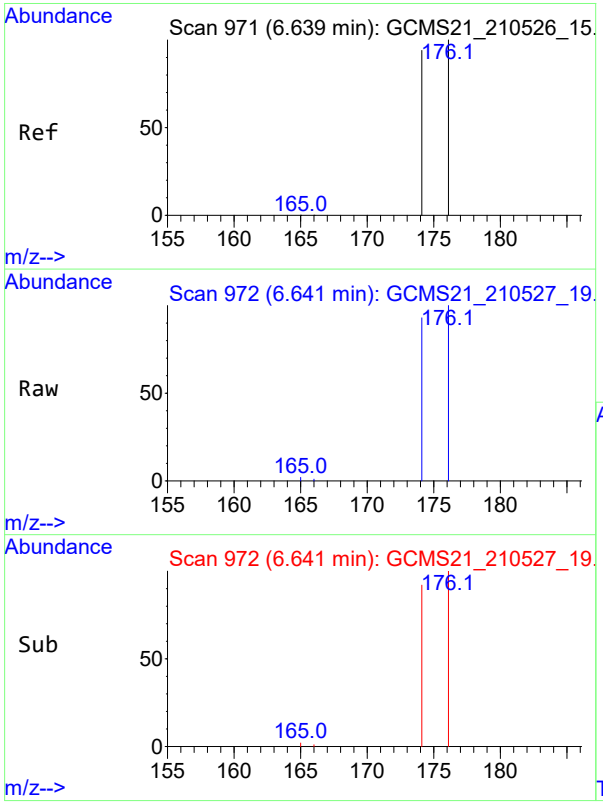


#8
Acenaphthene
Concen: 81.58 ng/mL
RT: 6.129 min Scan# 777
Delta R.T. 0.000 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:153 Resp: 75323

Ion	Ratio	Lower	Upper
153	100		
154	90.8	60.4	120.4
76	21.6	0.0	47.4

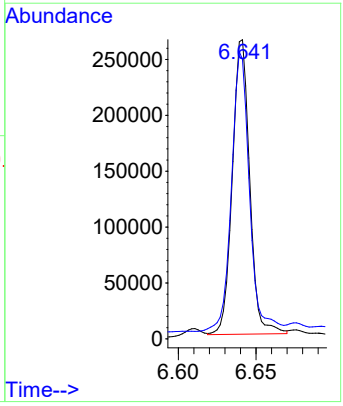


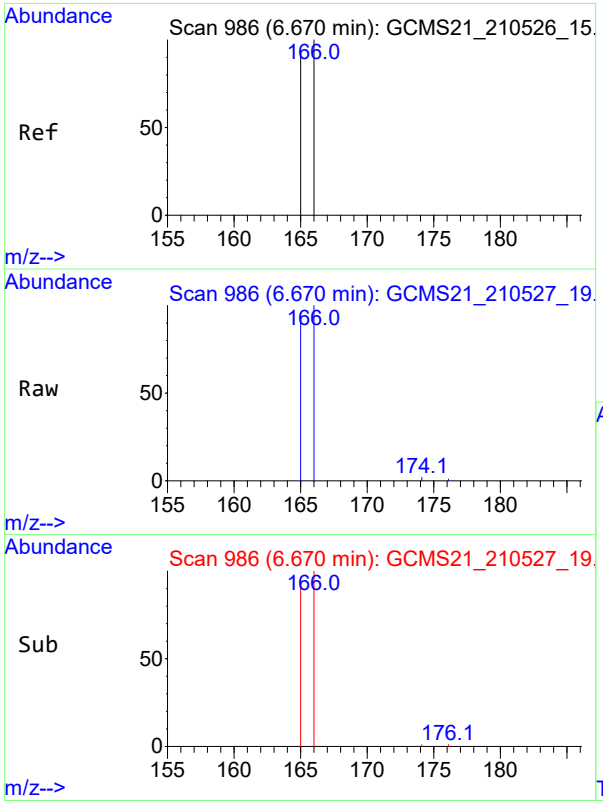


#9
Fluorene-D10
Concen: 235.81 ng/mL
RT: 6.641 min Scan# 972
Delta R.T. 0.002 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:176 Resp: 205168

Ion	Ratio	Lower	Upper
176	100		
174	99.2	63.9	123.9

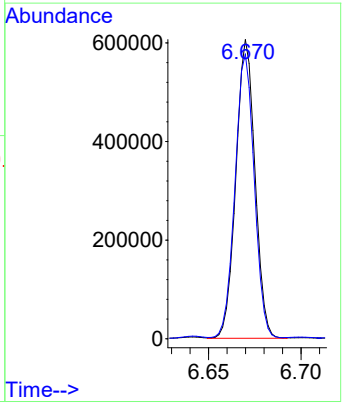


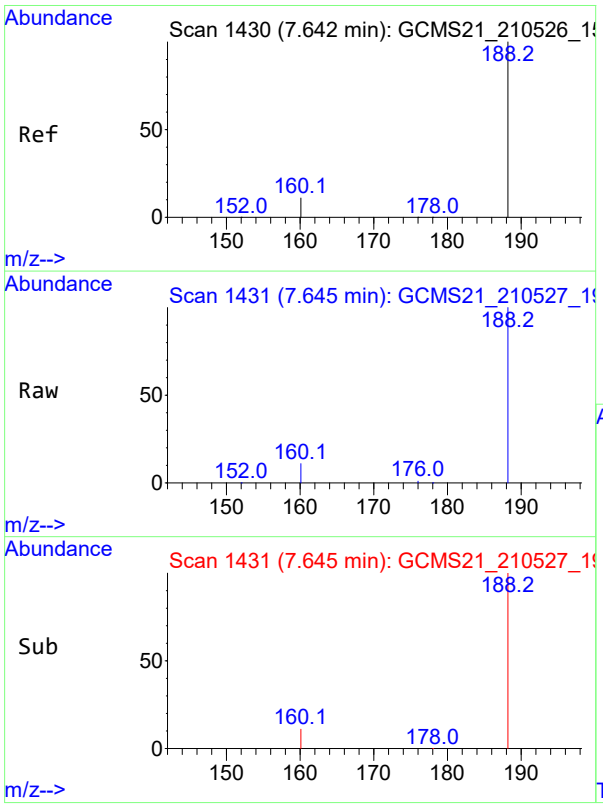


#10
Fluorene
Concen: 424.77 ng/mL
RT: 6.670 min Scan# 986
Delta R.T. 0.000 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:166 Resp: 434097

Ion	Ratio	Lower	Upper
166	100		
165	95.7	65.1	125.1

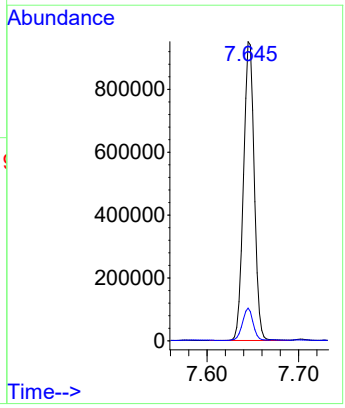


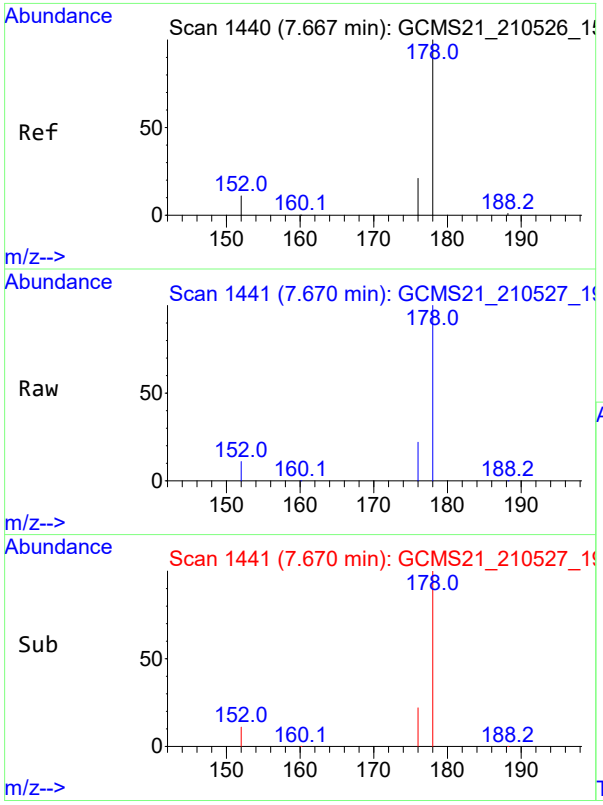


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.645 min Scan# 1431
Delta R.T. 0.002 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:188 Resp: 772487

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	39.8

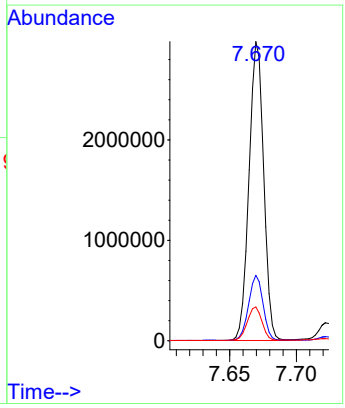


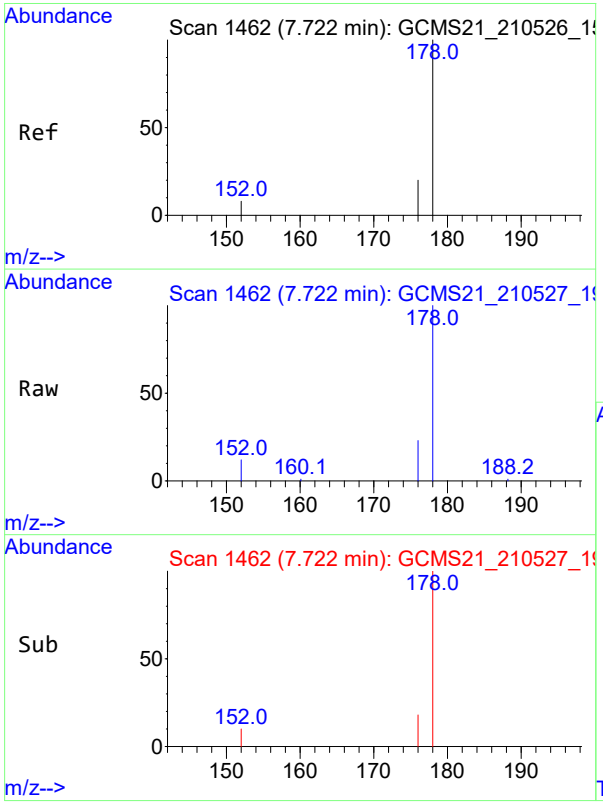


#12
Phenanthrene
Concen: 1218.53 ng/mL
RT: 7.670 min Scan# 1441
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:178 Resp: 2271794

Ion	Ratio	Lower	Upper
178	100		
176	21.3	0.0	50.9
152	11.2	0.0	40.5

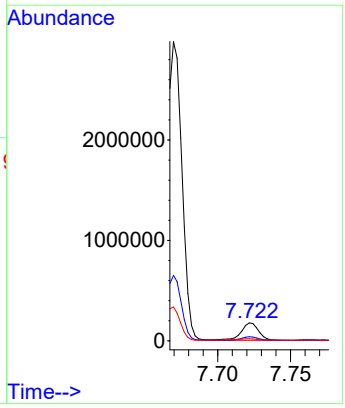


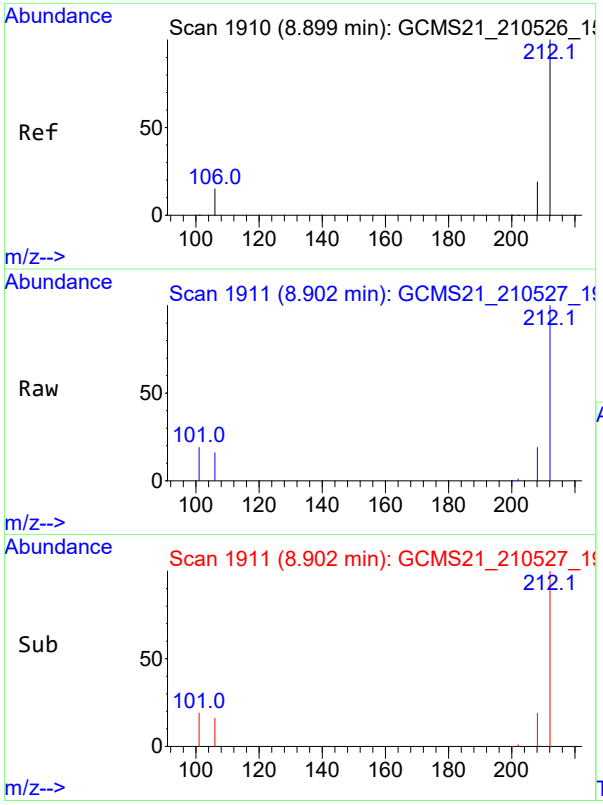


#13
Anthracene
Concen: 94.01 ng/mL
RT: 7.722 min Scan# 1462
Delta R.T. -0.000 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:178 Resp: 145734

Ion	Ratio	Lower	Upper
178	100		
176	18.9	0.0	50.2
152	12.9	0.0	38.2

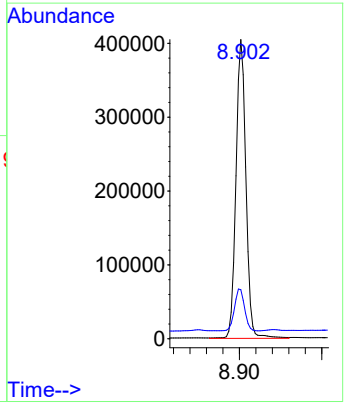


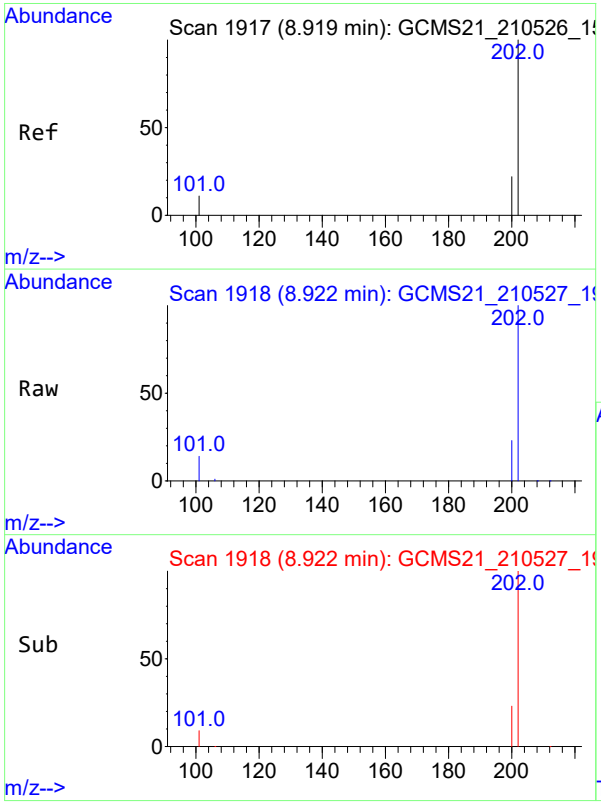


#14
Fluoranthene-D10
Concen: 202.98 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:212 Resp: 339524

Ion	Ratio	Lower	Upper
212	100		
106	14.1	0.0	44.9

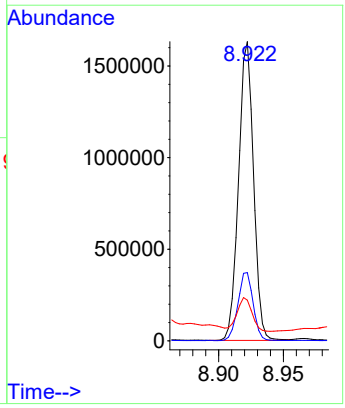


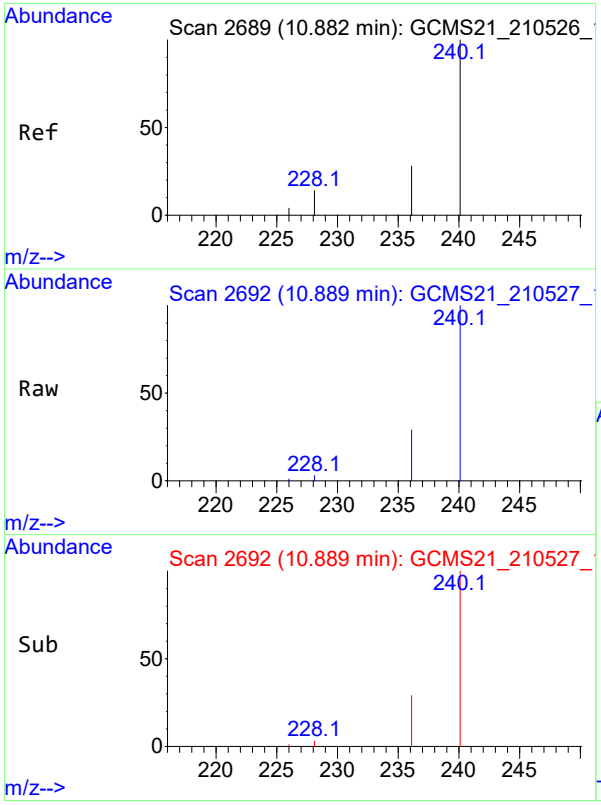


#15
Fluoranthene
Concen: 666.24 ng/mL
RT: 8.922 min Scan# 1918
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:202 Resp: 1310934

Ion	Ratio	Lower	Upper
202	100		
200	23.1	0.0	52.4
101	11.2	0.0	41.1

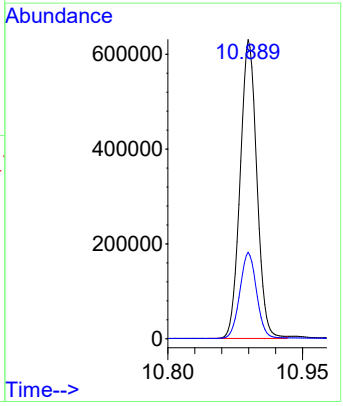


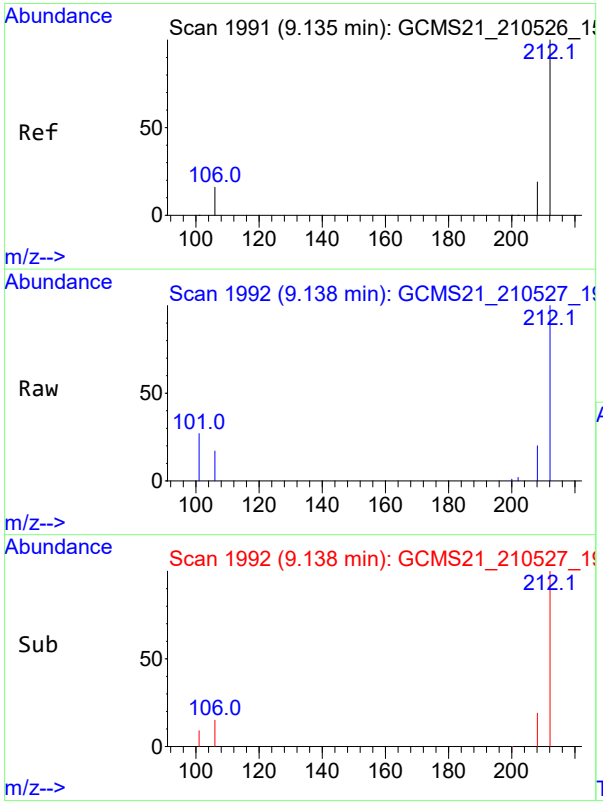


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.889 min Scan# 2692
Delta R.T. 0.006 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:240 Resp: 807027

Ion	Ratio	Lower	Upper
240	100		
236	29.1	0.0	58.6

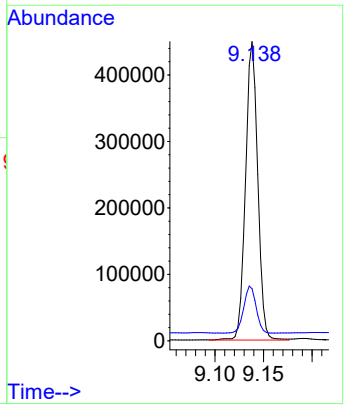


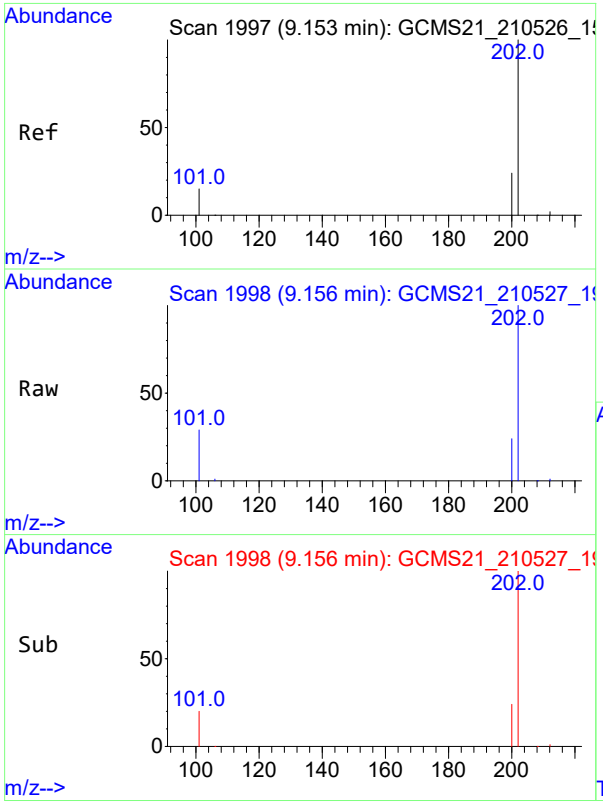


#17
Pyrene-D10
Concen: 212.56 ng/mL
RT: 9.138 min Scan# 1992
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:212 Resp: 391382

Ion	Ratio	Lower	Upper
212	100		
106	15.9	0.0	46.2

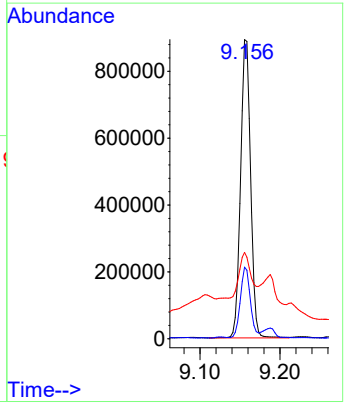


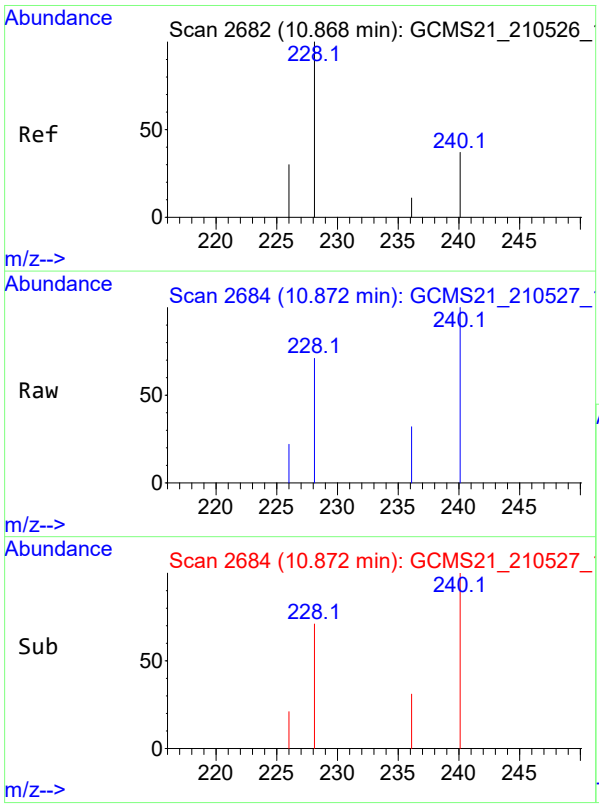


#18
Pyrene
Concen: 361.31 ng/mL
RT: 9.156 min Scan# 1998
Delta R.T. 0.003 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:202 Resp: 777119

Ion	Ratio	Lower	Upper
202	100		
200	23.9	0.0	53.9
101	39.1	0.0	44.5

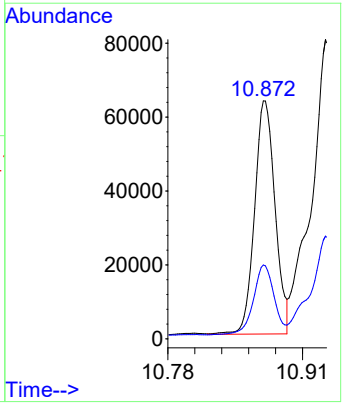


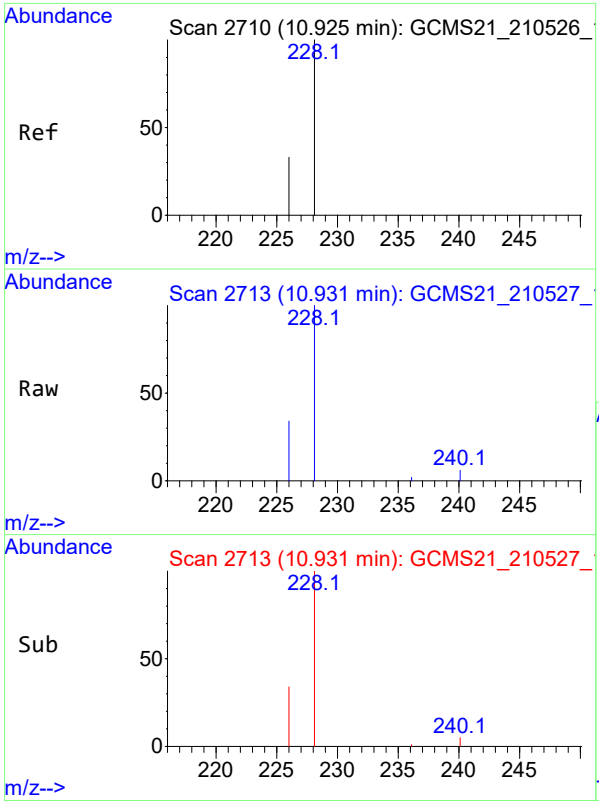


#19
Benzo(a)anthracene
Concen: 52.73 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. 0.004 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:228 Resp: 85587

Ion	Ratio	Lower	Upper
228	100		
226	30.5	0.0	59.8

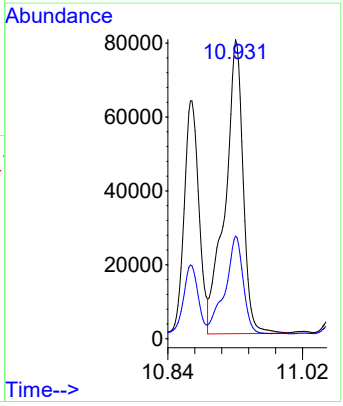


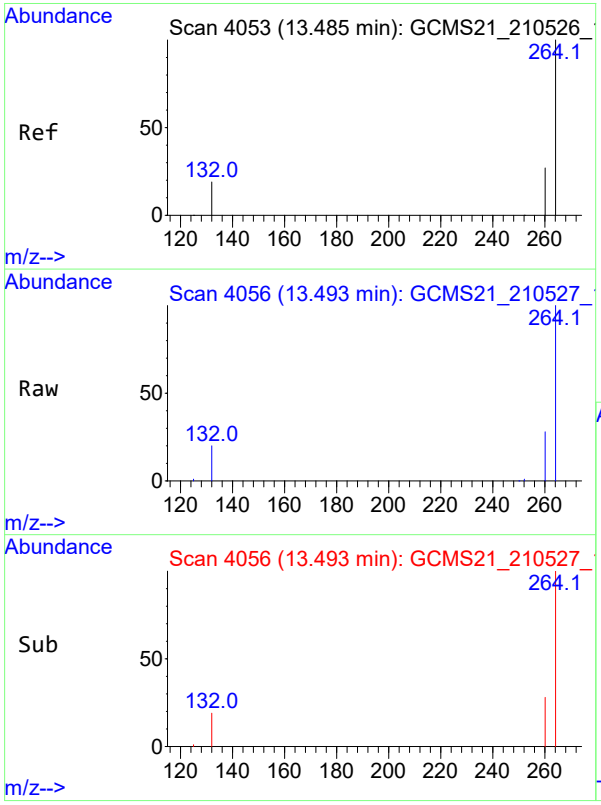


#20
Chrysene
Concen: 65.05 ng/mL
RT: 10.931 min Scan# 2713
Delta R.T. 0.006 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:228 Resp: 130359

Ion	Ratio	Lower	Upper
228	100		
226	33.9	2.8	62.8

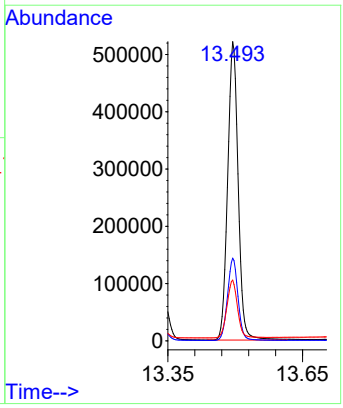


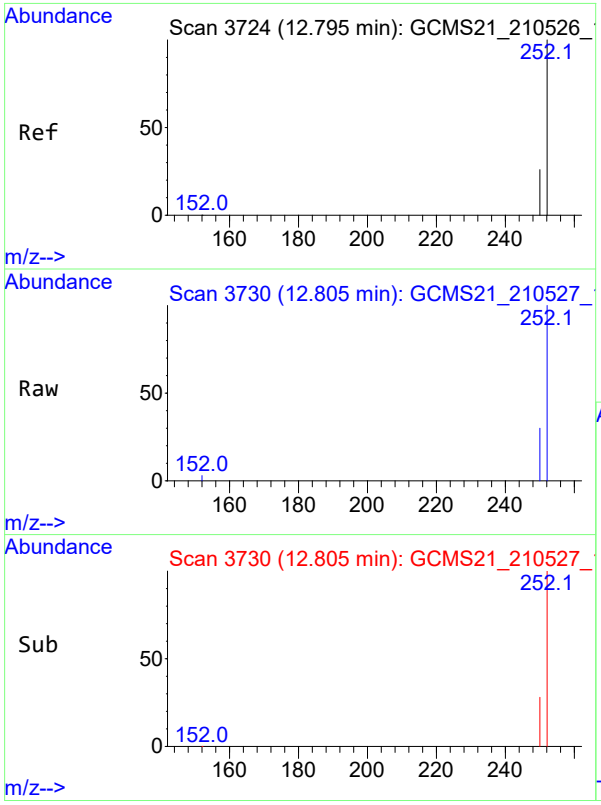


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.493 min Scan# 4056
Delta R.T. 0.008 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:264 Resp: 840151

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.5	0.0	49.5

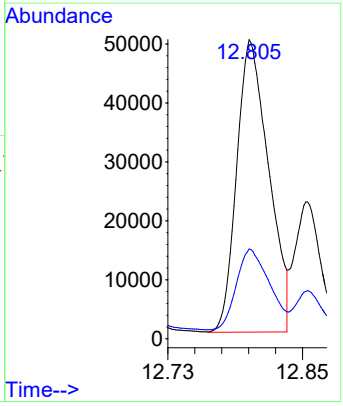


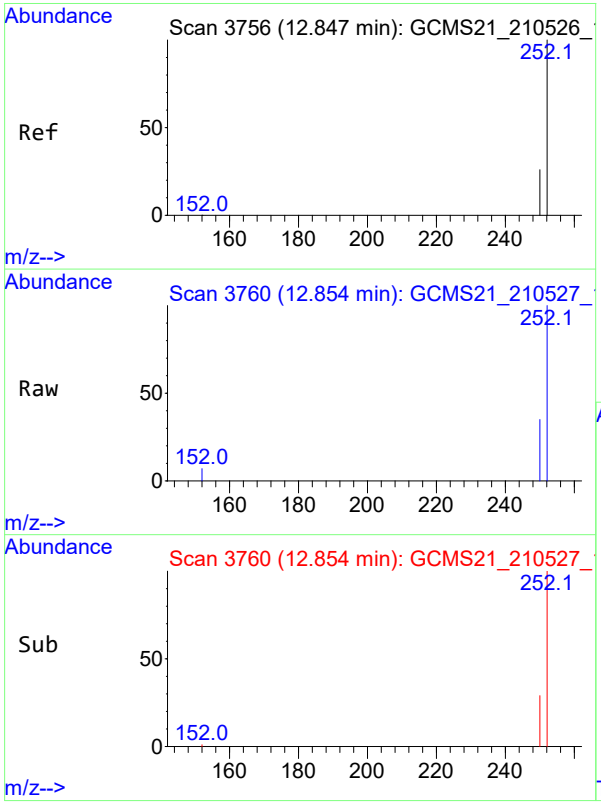


#22
Benzo(b)fluoranthene
Concen: 54.30 ng/mL
RT: 12.805 min Scan# 3730
Delta R.T. 0.010 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:252 Resp: 94690

Ion	Ratio	Lower	Upper
252	100		
250	28.8	0.0	56.2

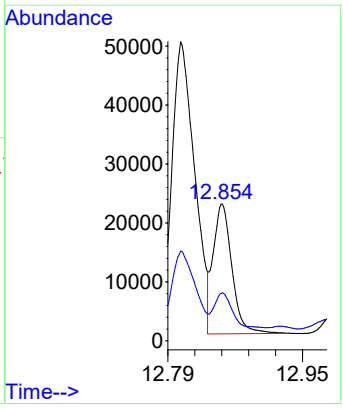


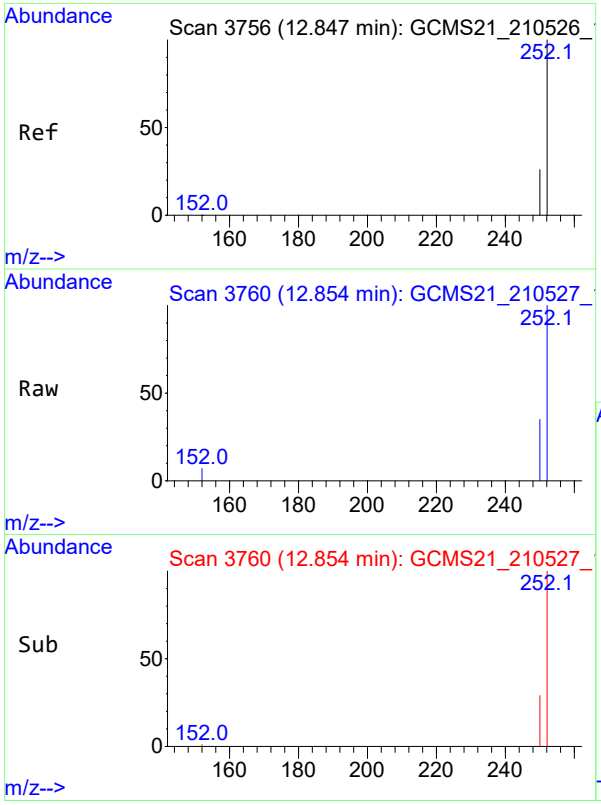


#23
Benzo(k)fluoranthene
Concen: 18.08 ng/mL
RT: 12.854 min Scan# 3760
Delta R.T. 0.006 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:252 Resp: 34941

Ion	Ratio	Lower	Upper
252	100		
250	34.0	0.0	55.6

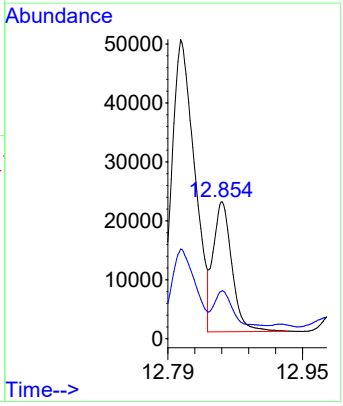


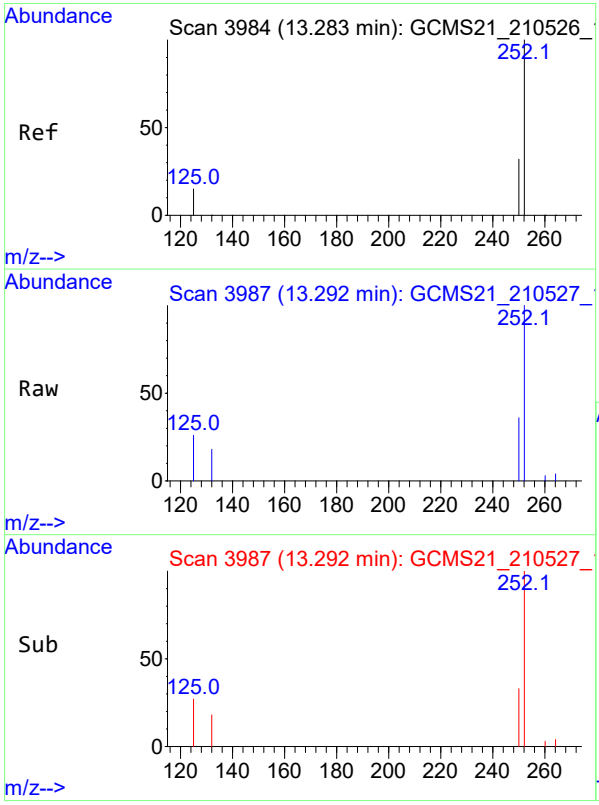


#24
benzo(b+k)fluoranthene (sum)
Concen: 18.45 ng/mL
RT: 12.854 min Scan# 3760
Delta R.T. 0.006 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:252 Resp: 34955

Ion	Ratio	Lower	Upper
252	100		
250	34.7	0.0	55.6

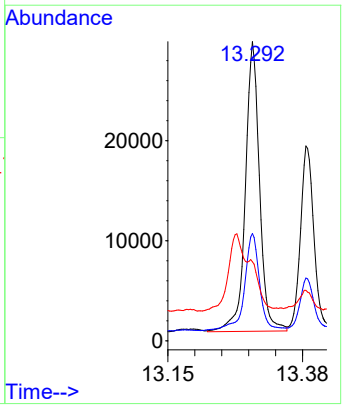


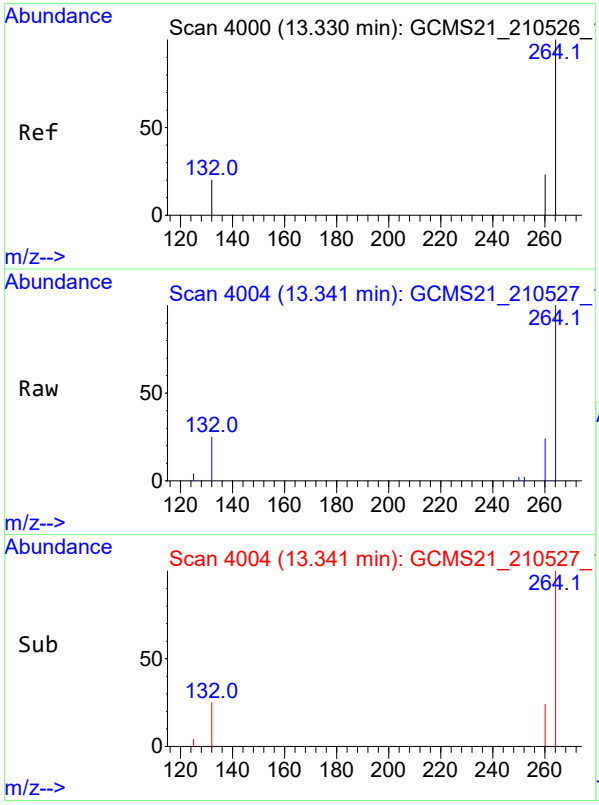


#25
Benzo(e)pyrene
Concen: 27.45 ng/mL
RT: 13.292 min Scan# 3987
Delta R.T. 0.009 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:252 Resp: 48285

Ion	Ratio	Lower	Upper
252	100		
250	35.8	2.2	62.2
125	11.6	0.0	45.4

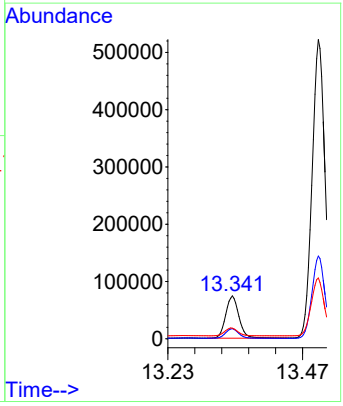


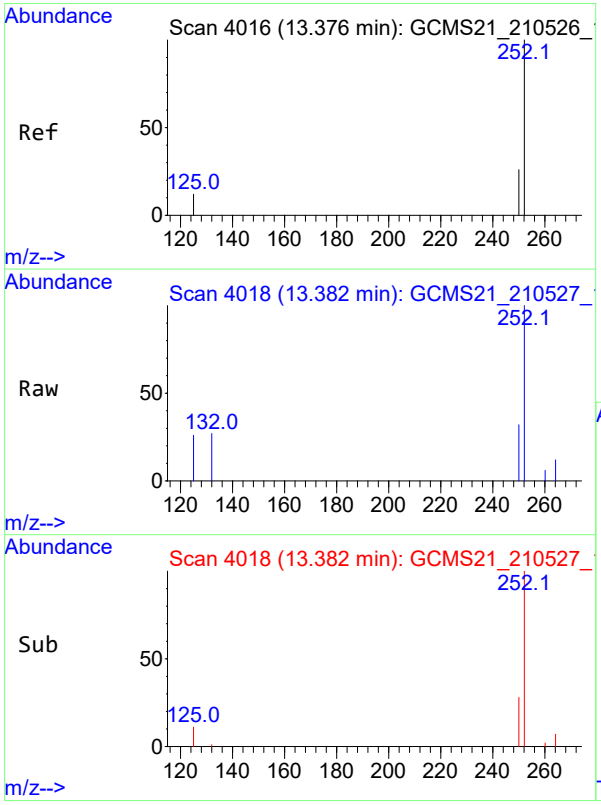


#26
Benzo(a)pyrene-D12
Concen: 87.79 ng/mL
RT: 13.341 min Scan# 4004
Delta R.T. 0.011 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:264 Resp: 119828

Ion	Ratio	Lower	Upper
264	100		
260	22.9	0.0	53.0
132	18.2	0.0	49.7

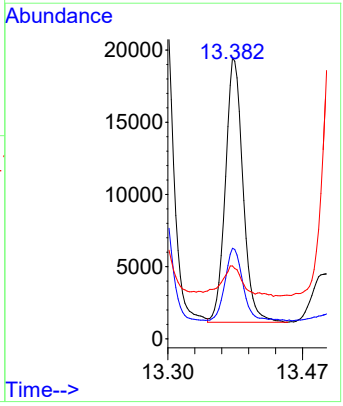


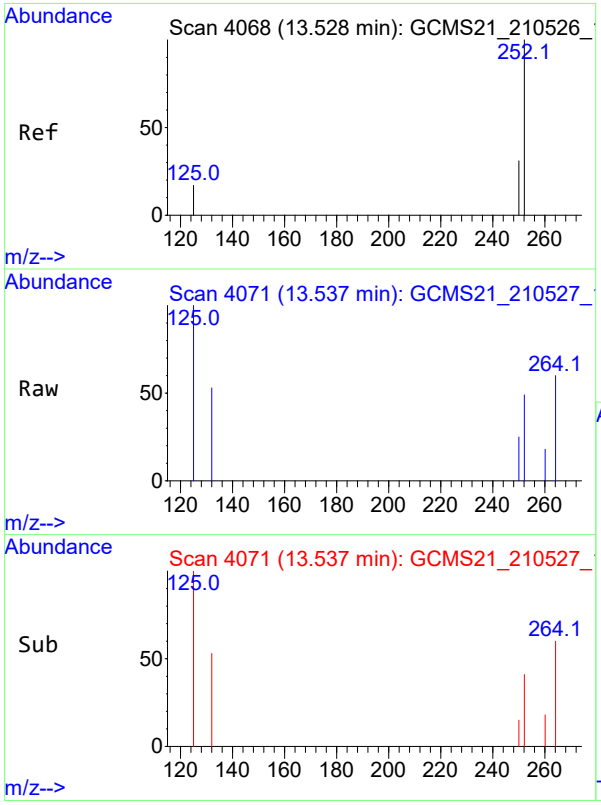


#27
Benzo(a)pyrene
Concen: 18.07 ng/mL
RT: 13.382 min Scan# 4018
Delta R.T. 0.006 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:252 Resp: 28765

Ion	Ratio	Lower	Upper
252	100		
250	27.5	0.0	56.4
125	11.1	0.0	41.7

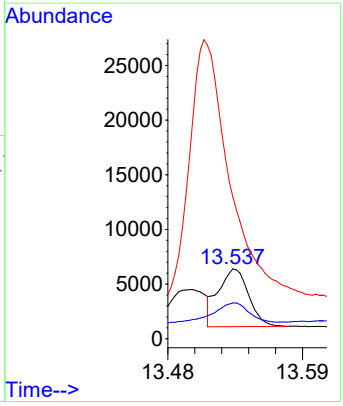


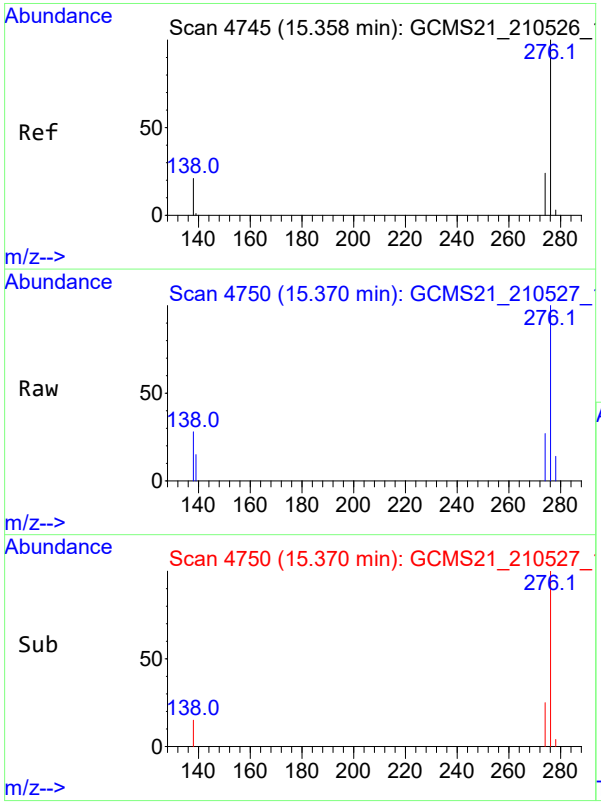


#28
Perylene
Concen: 5.03 ng/mL
RT: 13.537 min Scan# 4071
Delta R.T. 0.009 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:252 Resp: 8982

Ion	Ratio	Lower	Upper
252	100		
250	54.9	1.5	61.5
125	0.0	0.0	46.6

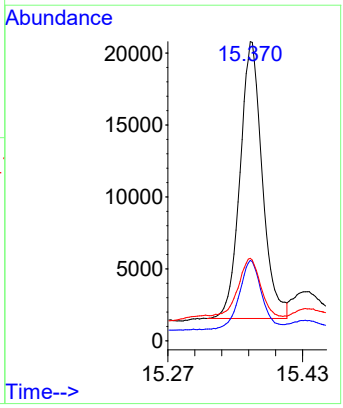


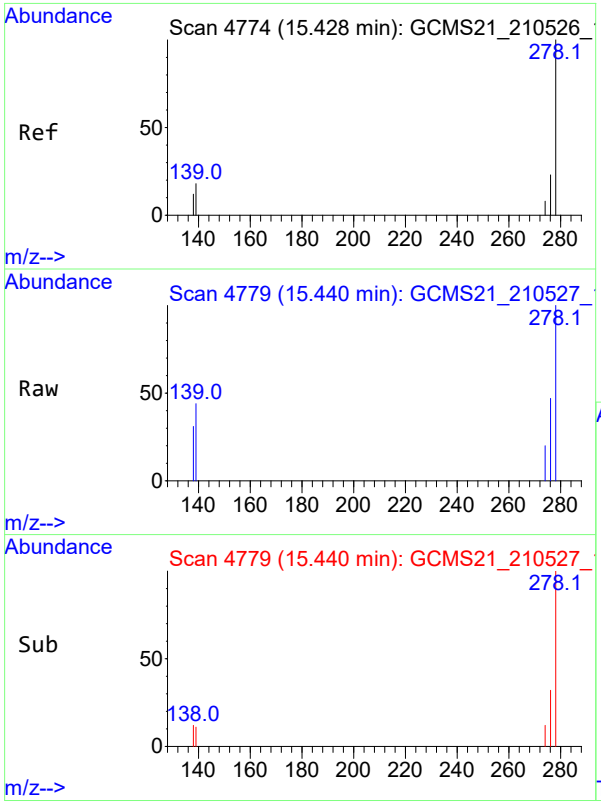


#29
Indeno(1,2,3-cd)pyrene
Concen: 25.80 ng/mL
RT: 15.370 min Scan# 4750
Delta R.T. 0.012 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:276 Resp: 35138

Ion	Ratio	Lower	Upper
276	100		
274	25.3	0.0	53.8
138	23.0	0.0	50.7

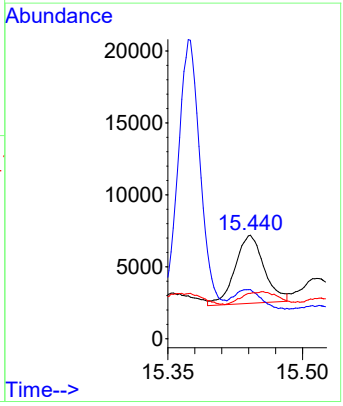


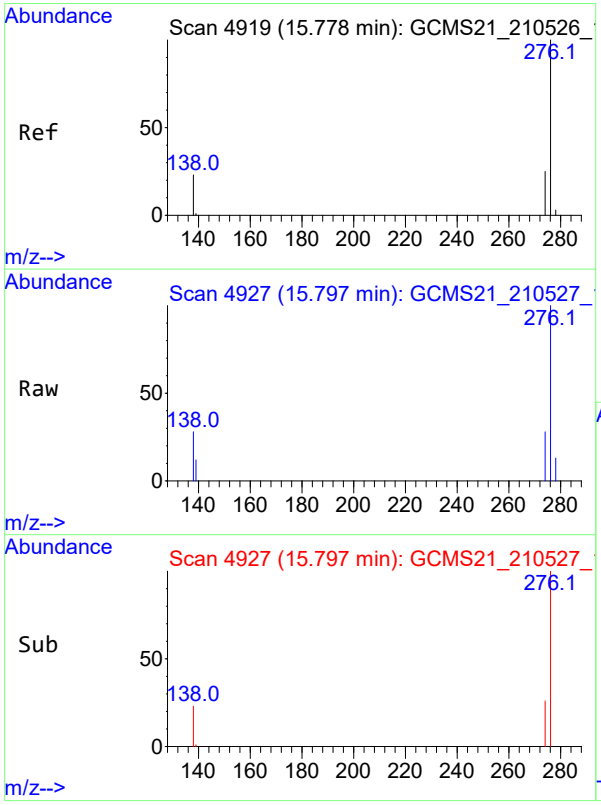


#30
Dibenz(a,h)anthracene
Concen: 7.94 ng/mL
RT: 15.440 min Scan# 4779
Delta R.T. 0.012 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:278 Resp: 10773

Ion	Ratio	Lower	Upper
278	100		
276	38.2	0.0	52.8
139	28.4	0.0	47.6

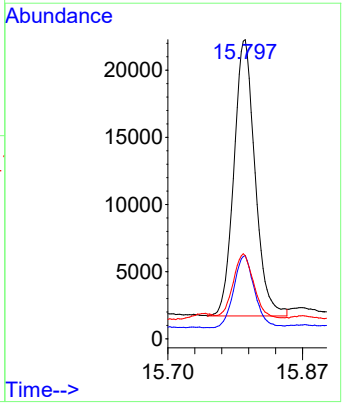




#31
Benzo(g,h,i)perylene
Concen: 20.70 ng/mL
RT: 15.797 min Scan# 4927
Delta R.T. 0.019 min
Lab File: GCMS21_210527_19.D
Acq: 27 May 2021 19:35

Tgt Ion:276 Resp: 36627

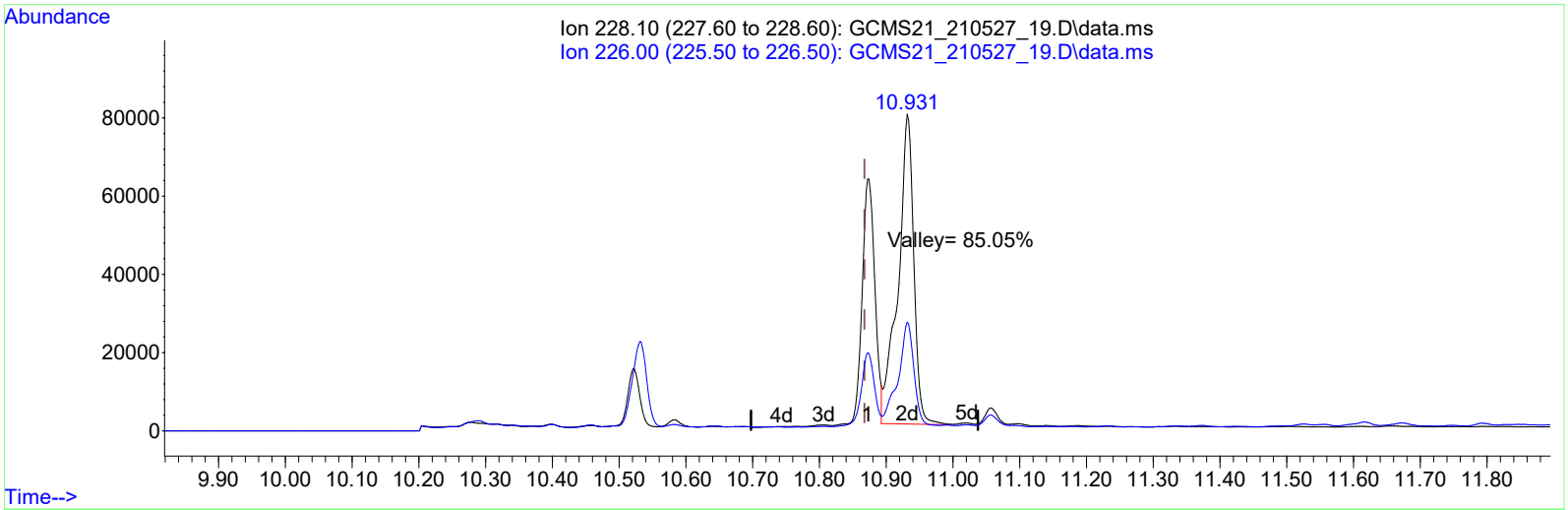
Ion	Ratio	Lower	Upper
276	100		
274	25.7	0.0	54.8
138	22.4	0.0	52.9

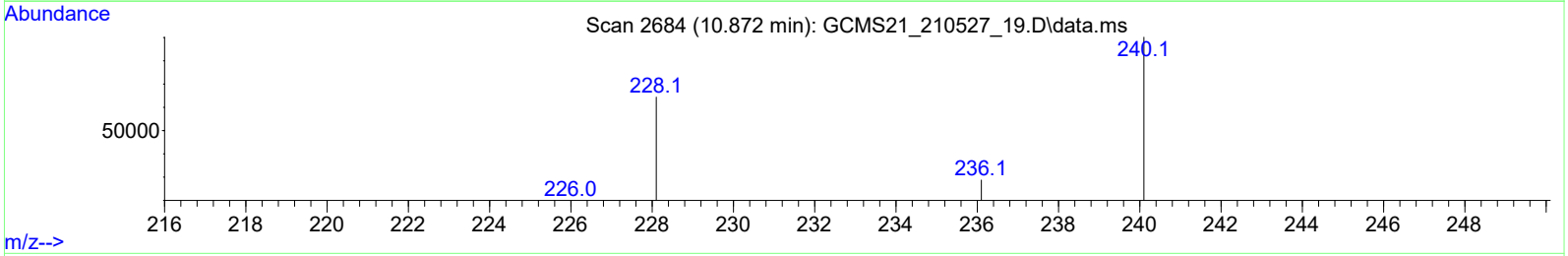


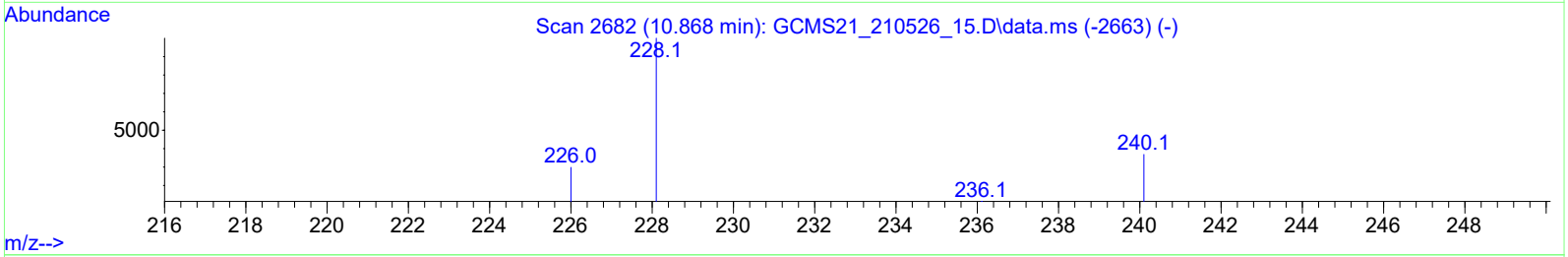
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_19.D
Acq On : 27 May 2021 19:35
Operator : MN GCMS21
Sample : 2105001-04_REINJECT
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 28 12:53:19 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_19.D\data.ms

(19) Benzo(a)anthracene (M)

10.872min (+ 0.004) 52.73 ng/mL

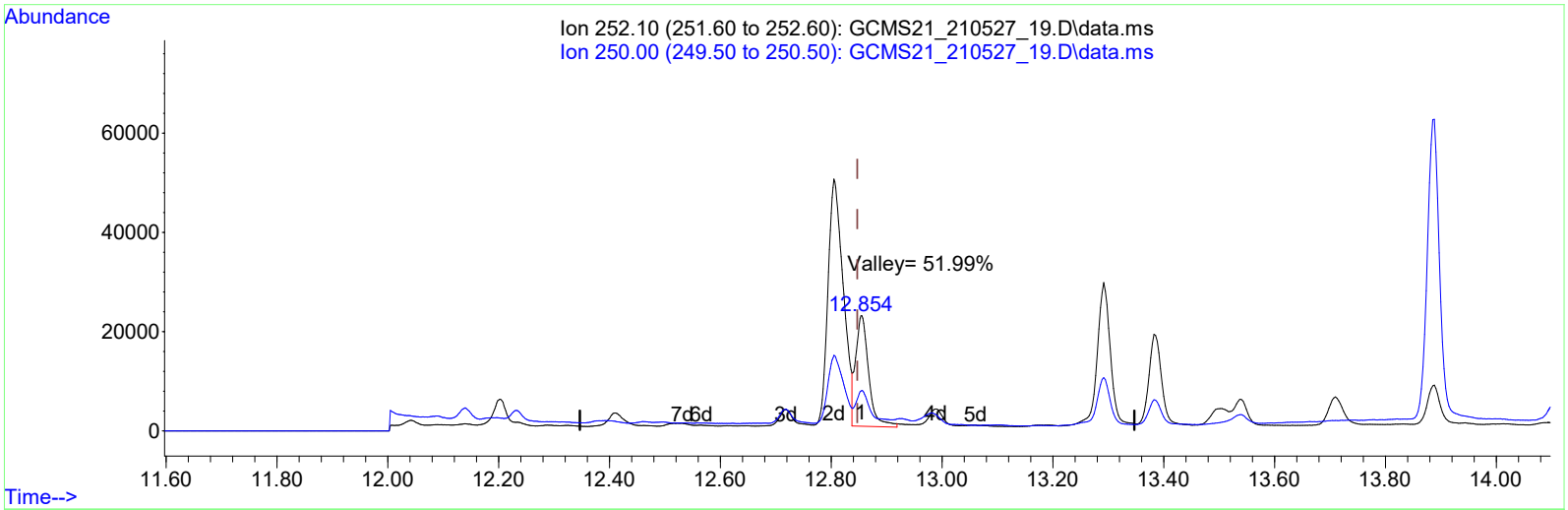
response 85587

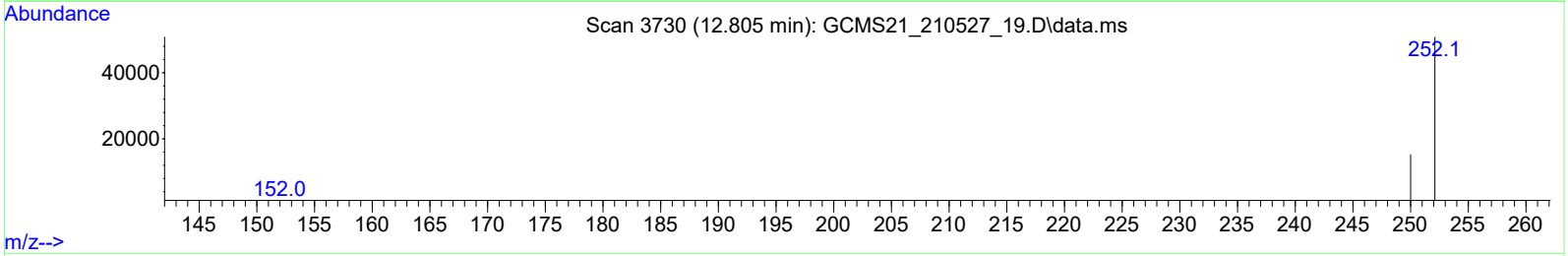
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	30.49
0.00	0.00	0.00
0.00	0.00	0.00

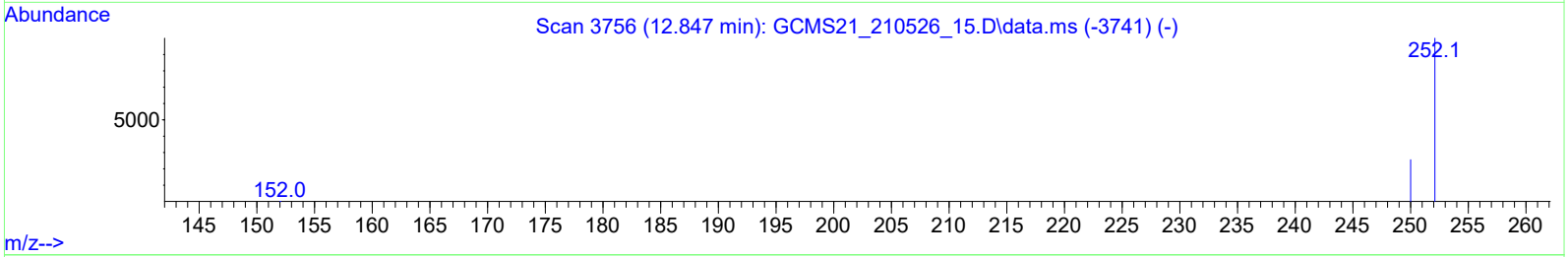
Quantitation Report (Qedit)

Data Path : D:\MassHunter\GCMS\1\data\210527__B21E006\
Data File : GCMS21_210527_19.D
Acq On : 27 May 2021 19:35
Operator : MN GCMS21
Sample : 2105001-04_REINJECT
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 28 12:53:19 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_19.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.805min (-0.042) 68.56 ng/mL m

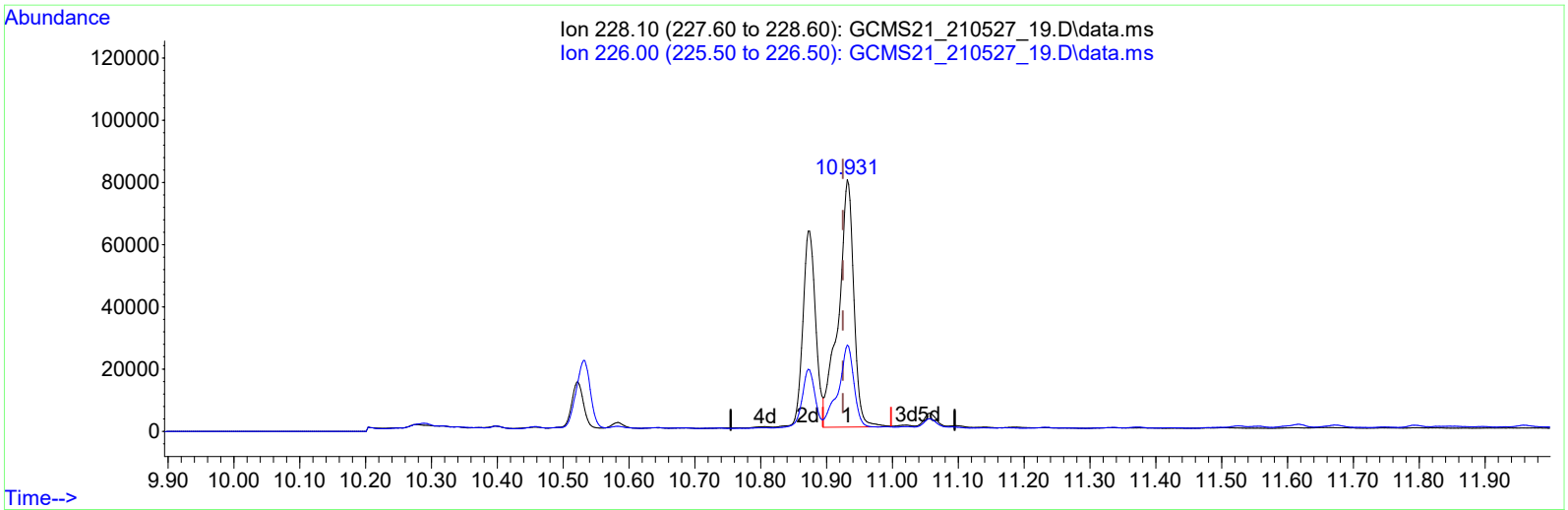
response 129918

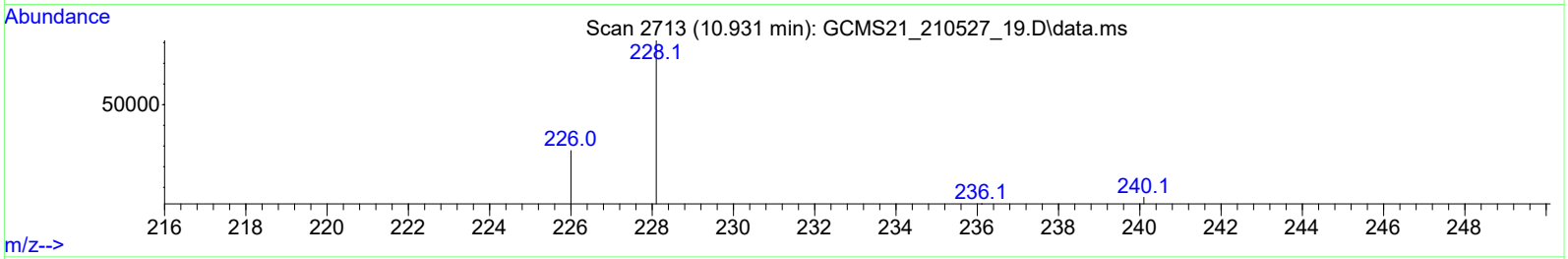
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	30.09
0.00	0.00	0.00
0.00	0.00	0.00

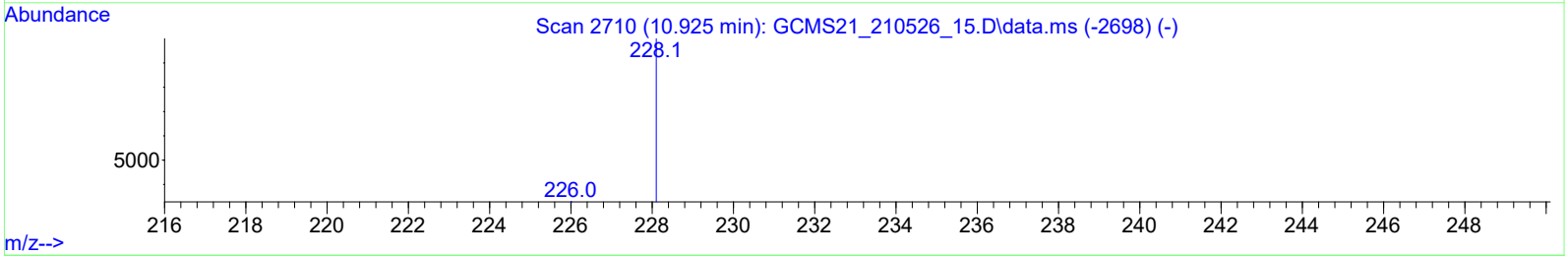
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 527__B21E006\
Data File : GCMS21_210527_19.D
Acq On : 27 May 2021 07:35 pm
Operator : MN GCMS21
Sample : 2105001-04_REINJECT
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 21 13:51:15 2021
Quant Method : D:\Methods\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210527_19.D\data.ms

(20) Chrysene (M)

10.931min (+ 0.006) 65.05 ng/mL

response 130359

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	32.80	33.91
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_05.D
Acq On : 04 Jun 2021 10:19
Operator : MN GCMS21
Sample : 2105001-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:00:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

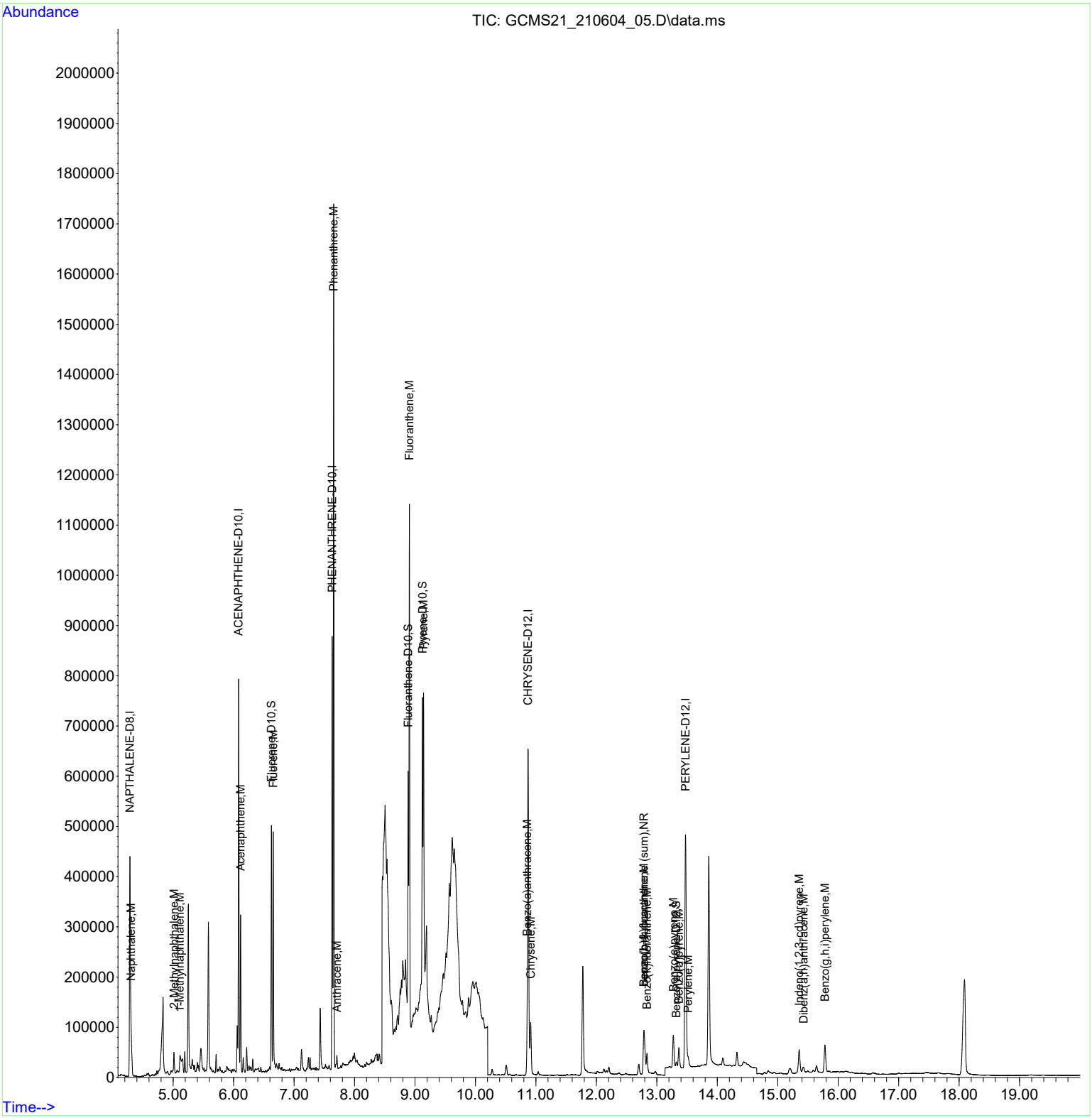
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) NAPTHALENE-D8	4.286	136	487808	500.00	ng/mL	0.00	
6) ACENAPHTHENE-D10	6.083	164	293848	500.00	ng/mL	0.00	
11) PHENANTHRENE-D10	7.630	188	624762	500.00	ng/mL	0.00	
16) CHRYSENE-D12	10.870	240	669172	500.00	ng/mL	0.00	
21) PERYLENE-D12	13.476	264	525268	500.00	ng/mL	0.01	
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL		
9) Fluorene-D10	6.625	176	189847	269.86	ng/mL	0.00	
14) Fluoranthene-D10	8.887	212	291120	215.20	ng/mL	0.00	
17) Pyrene-D10	9.124	212	371427	243.28	ng/mL	0.00	
26) Benzo(a)pyrene-D12	13.324	264	13524	15.85	ng/mL	0.01	
Target Compounds						Qvalue	
2) Naphthalene	4.304	128	22962	24.53	ng/mL	97	
4) 2-Methylnaphthalene	5.013	142	17325	25.13	ng/mL	94	
5) 1-Methylnaphthalene	5.112	142	9407	16.38	ng/mL#	82	
7) Acenaphthylene	0.000		0	N.D.	d		
8) Acenaphthene	6.116	153	84489	113.17	ng/mL	98	
10) Fluorene	6.656	166	175283	212.12	ng/mL	100	
12) Phenanthrene	7.655	178	968617	642.39	ng/mL	99	
13) Anthracene	7.709	178	21012	16.76	ng/mL	83	
15) Fluoranthene	8.908	202	605710	380.62	ng/mL	98	
18) Pyrene	9.141	202	351024m	196.82	ng/mL		P, B Qual ion manual integrated 07.02.21 MN
19) Benzo(a)anthracene	10.856	228	43399	32.24	ng/mL	98	
20) Chrysene	10.913	228	125332	75.42	ng/mL	99	
22) Benzo(b)fluoranthene	12.787	252	137997	126.56	ng/mL	95	
23) Benzo(k)fluoranthene	12.837	252	51487	42.61	ng/mL	91	
24) benzo(b+k)fluoranthene...	12.787	252	188006m	158.69	ng/mL		
25) Benzo(e)pyrene	13.274	252	70387	64.00	ng/mL	92	
27) Benzo(a)pyrene	13.365	252	48869	49.11	ng/mL	97	
28) Perylene	13.520	252	10294	9.21	ng/mL#	1	
29) Indeno(1,2,3-cd)pyrene	15.356	276	58816	69.07	ng/mL	97	
30) Dibenz(a,h)anthracene	15.426	278	13274	15.64	ng/mL	83	
31) Benzo(g,h,i)perylene	15.780	276	66069	59.72	ng/mL	98	

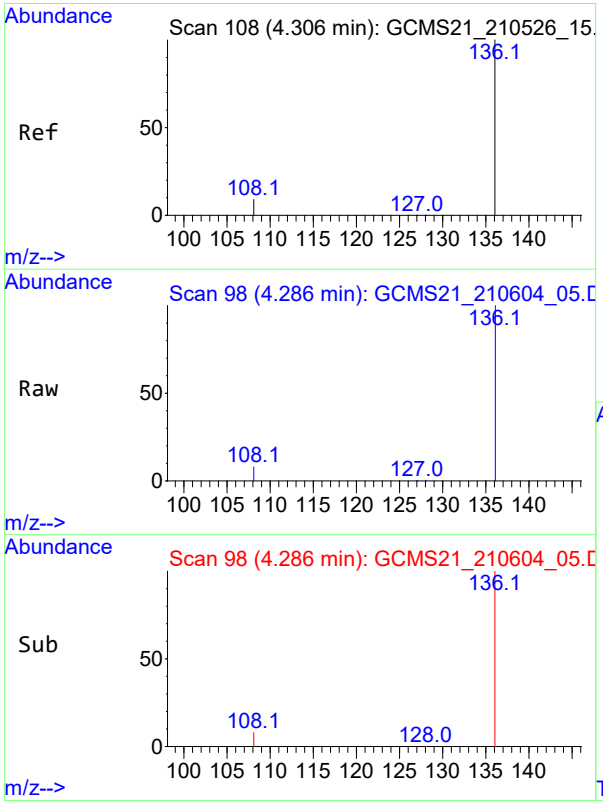
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_05.D
Acq On : 04 Jun 2021 10:19
Operator : MN GCMS21
Sample : 2105001-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:00:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

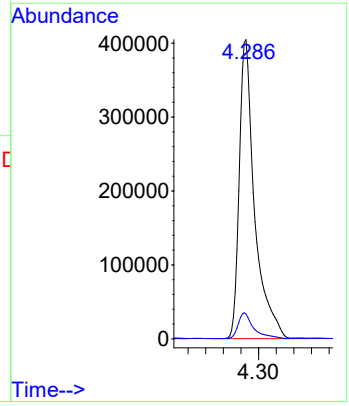


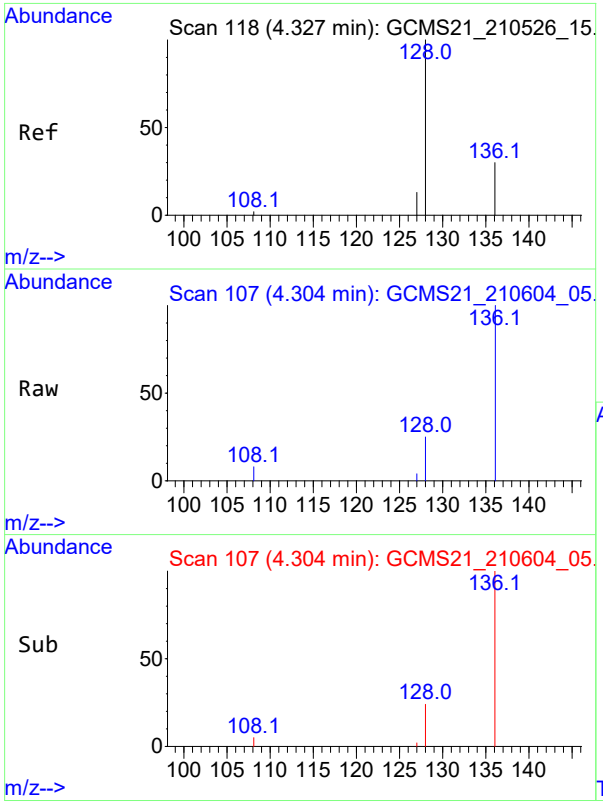


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.286 min Scan# 98
Delta R.T. -0.002 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:136 Resp: 487808

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	28.6

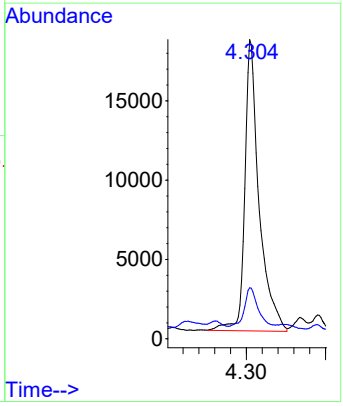


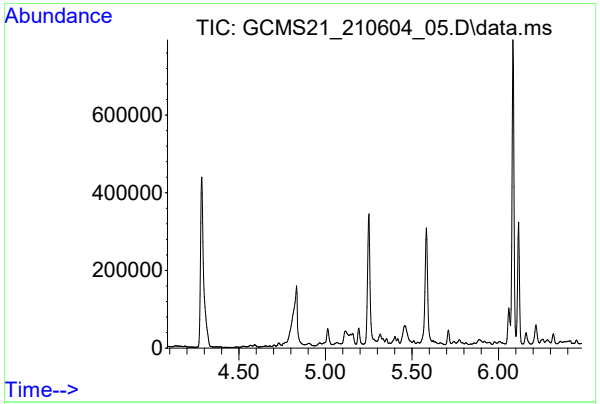


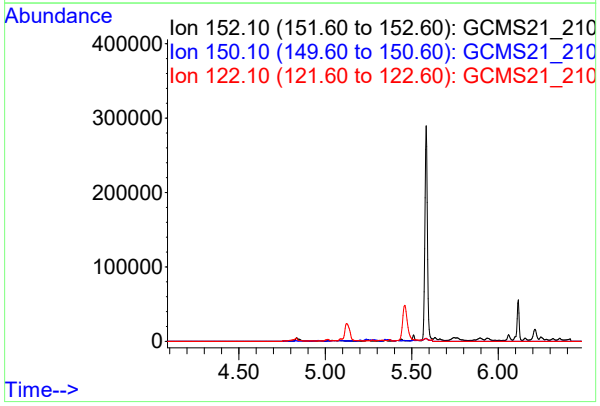
#2
Naphthalene
Concen: 24.53 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.004 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:128 Resp: 22962

Ion	Ratio	Lower	Upper
128	100		
127	12.2	0.0	43.4





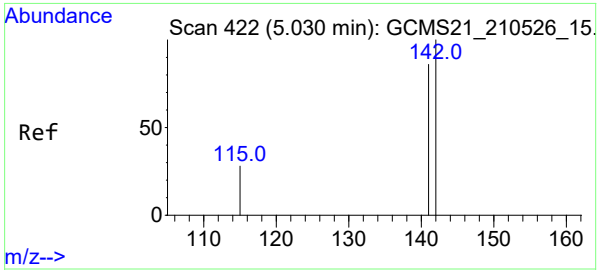


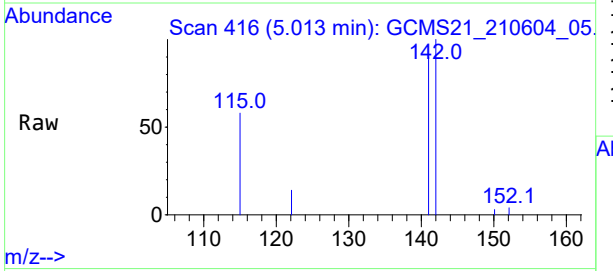
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.98 min

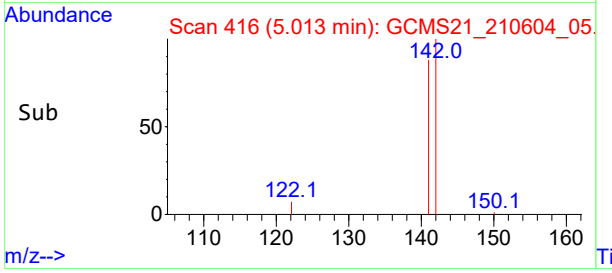
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.8



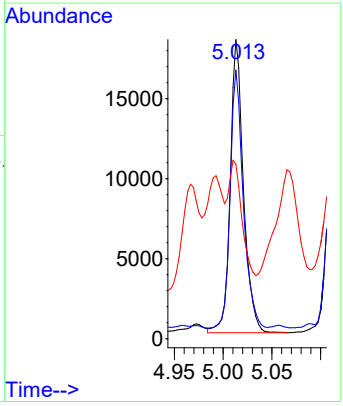


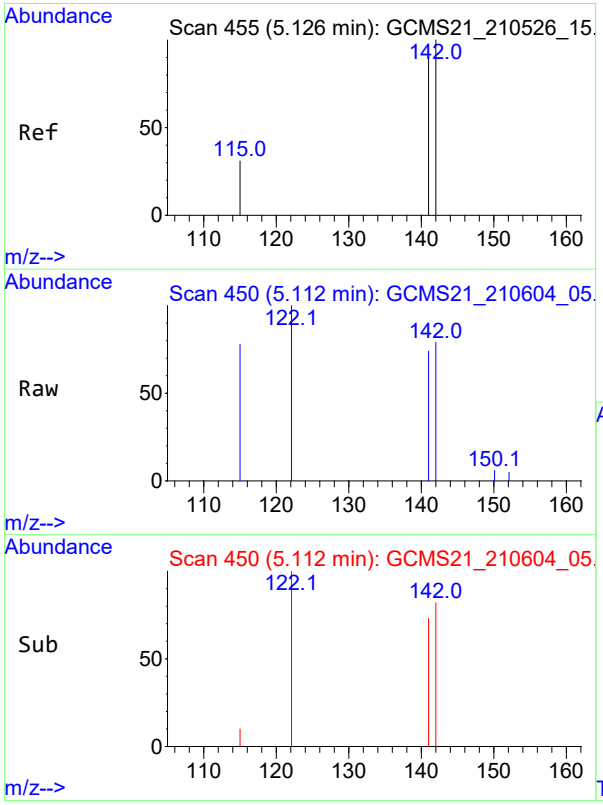


#4
2-Methylnaphthalene
Concen: 25.13 ng/mL
RT: 5.013 min Scan# 416
Delta R.T. -0.000 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:142 Resp: 17325

Ion	Ratio	Lower	Upper
142	100		
141	86.6	56.9	116.9
115	39.1	0.0	57.7

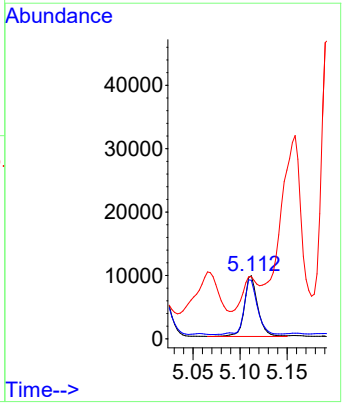


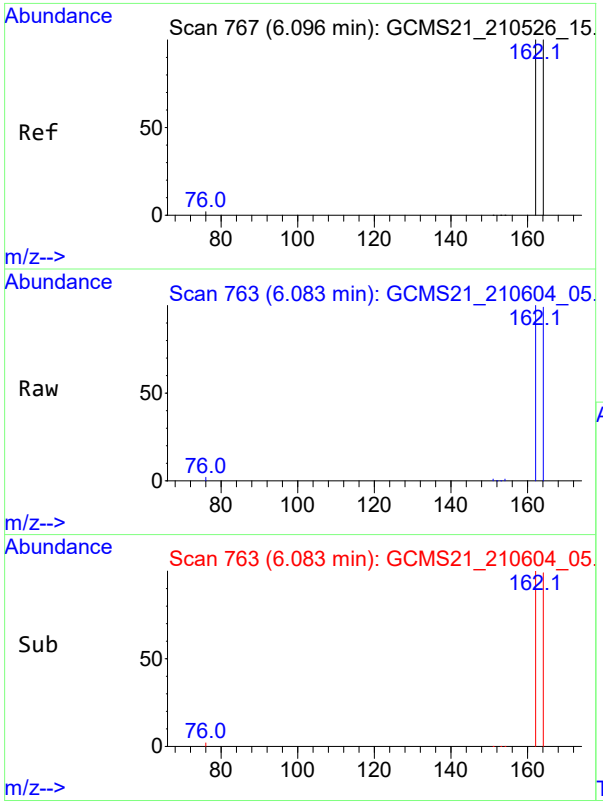


#5
1-Methylnaphthalene
Concen: 16.38 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:142 Resp: 9407

Ion	Ratio	Lower	Upper
142	100		
141	89.3	57.9	117.9
115	64.0	0.0	57.0#

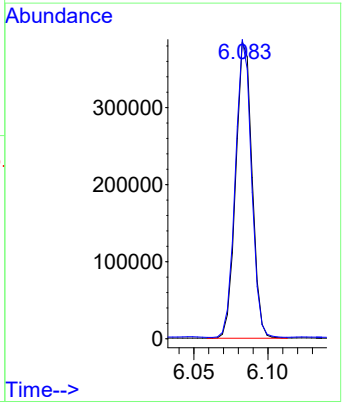


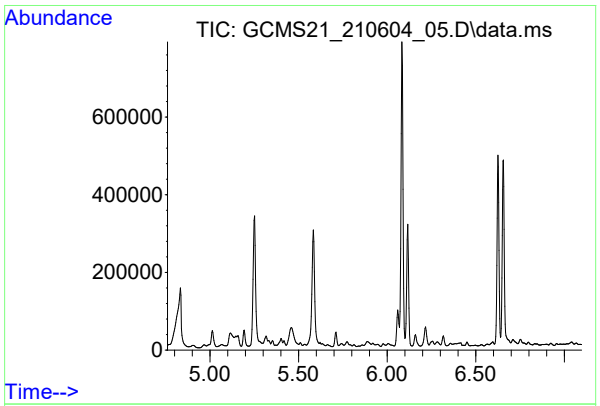


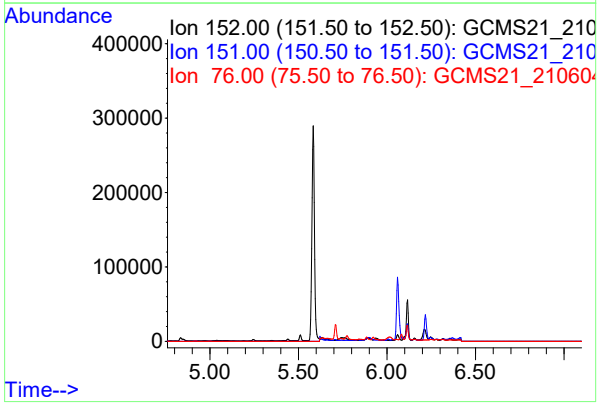
#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:164 Resp: 293848

Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.0	121.0





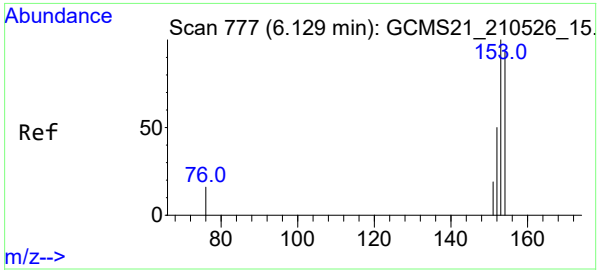


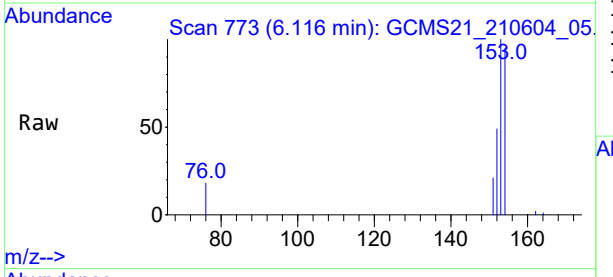
#7
Acenaphthylene
Concen: N.D.
Expected RT: 5.93 min

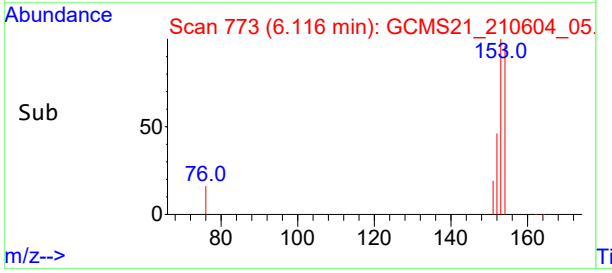
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	21.0
76	8.6



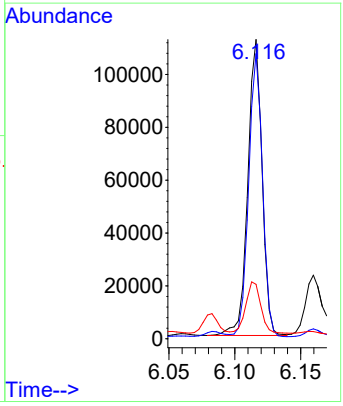


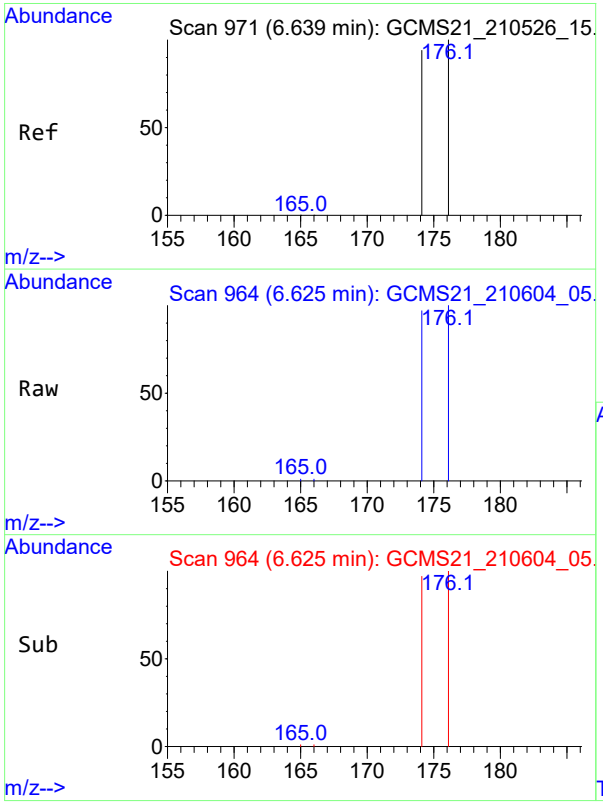


#8
Acenaphthene
Concen: 113.17 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:153 Resp: 84489

Ion	Ratio	Lower	Upper
153	100		
154	92.4	63.7	123.7
76	18.6	0.0	45.2

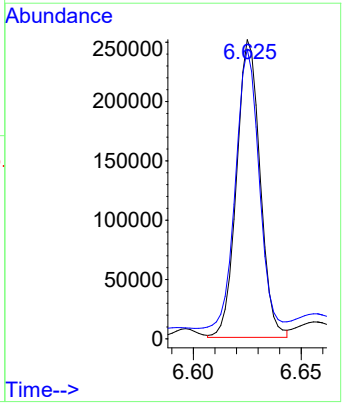


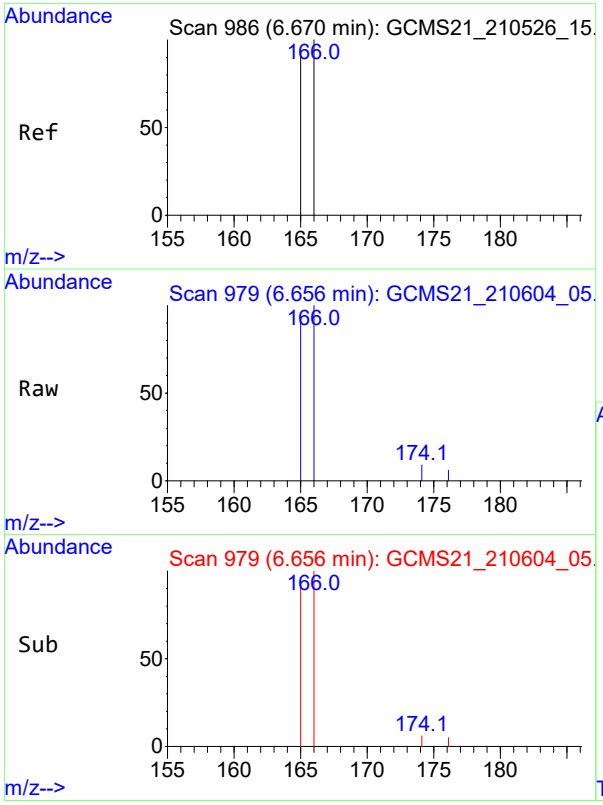


#9
Fluorene-D10
Concen: 269.86 ng/mL
RT: 6.625 min Scan# 964
Delta R.T. 0.002 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:176 Resp: 189847

Ion	Ratio	Lower	Upper
176	100		
174	94.7	63.9	123.9

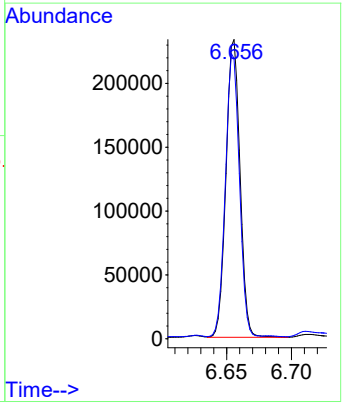


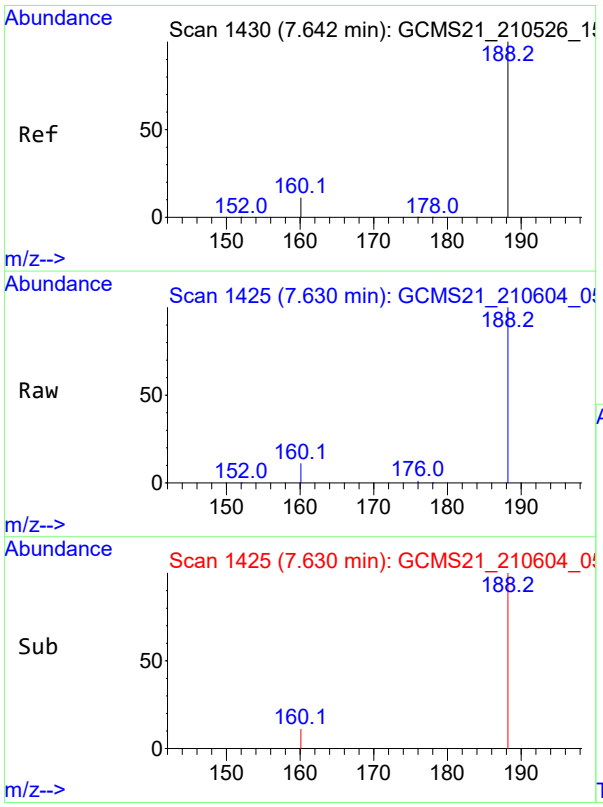


#10
Fluorene
Concen: 212.12 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. 0.004 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:166 Resp: 175283

Ion	Ratio	Lower	Upper
166	100		
165	94.9	65.1	125.1

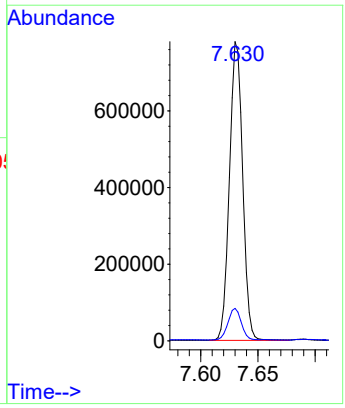


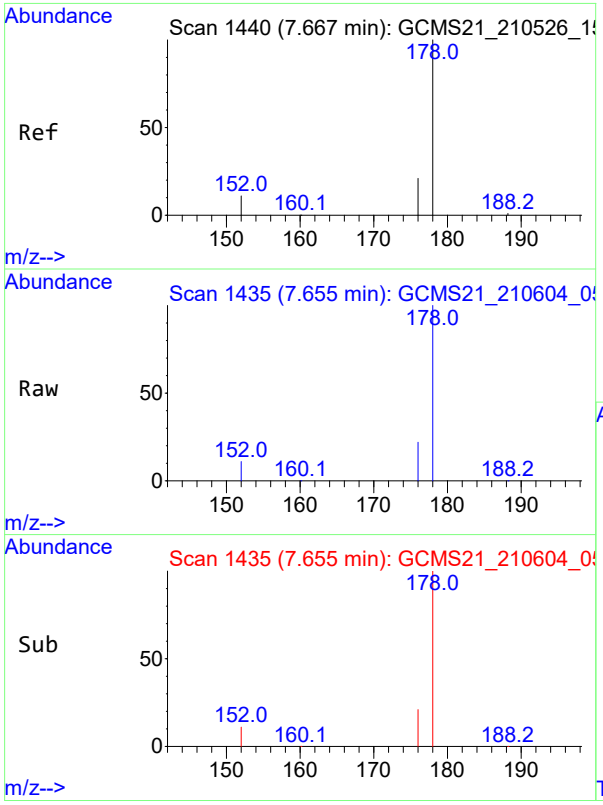


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.630 min Scan# 1425
Delta R.T. 0.002 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:188 Resp: 624762

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

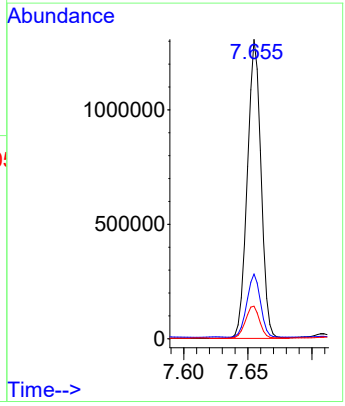


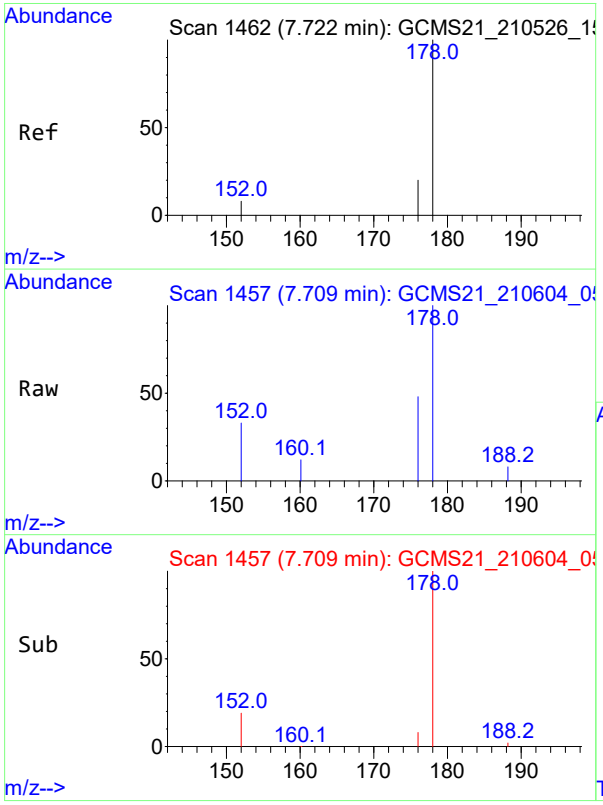


#12
Phenanthrene
Concen: 642.39 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. 0.005 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:178 Resp: 968617

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	11.0	0.0	40.5

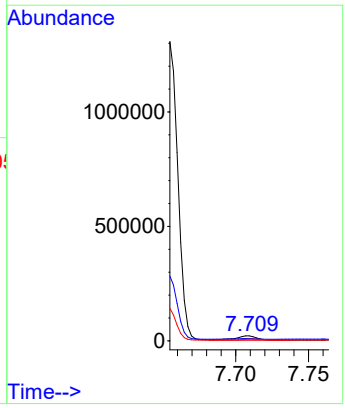


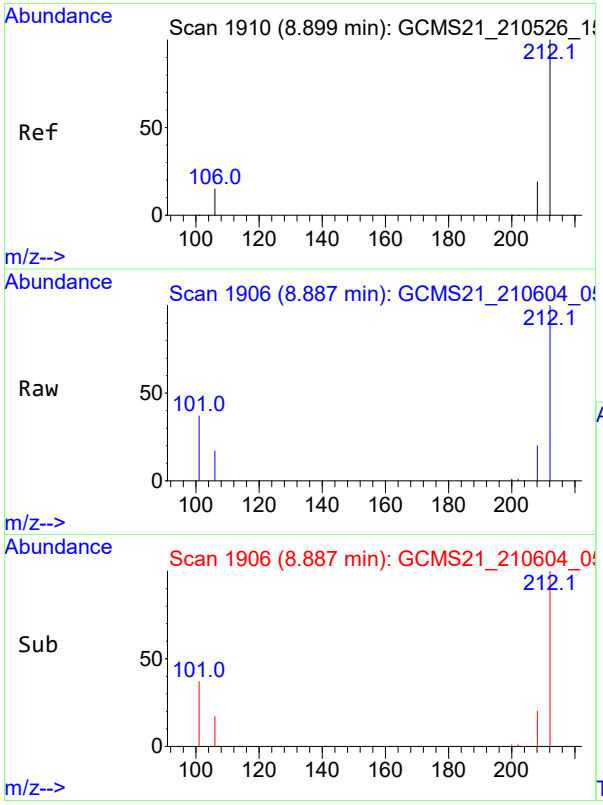


#13
Anthracene
Concen: 16.76 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:178 Resp: 21012

Ion	Ratio	Lower	Upper
178	100		
176	15.6	0.0	50.0
152	21.0	0.0	38.2

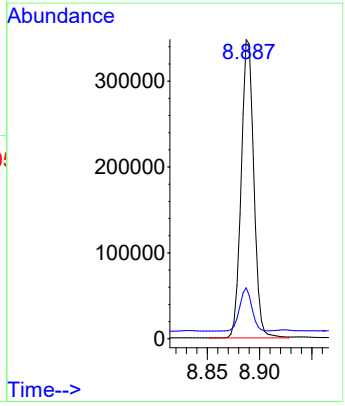


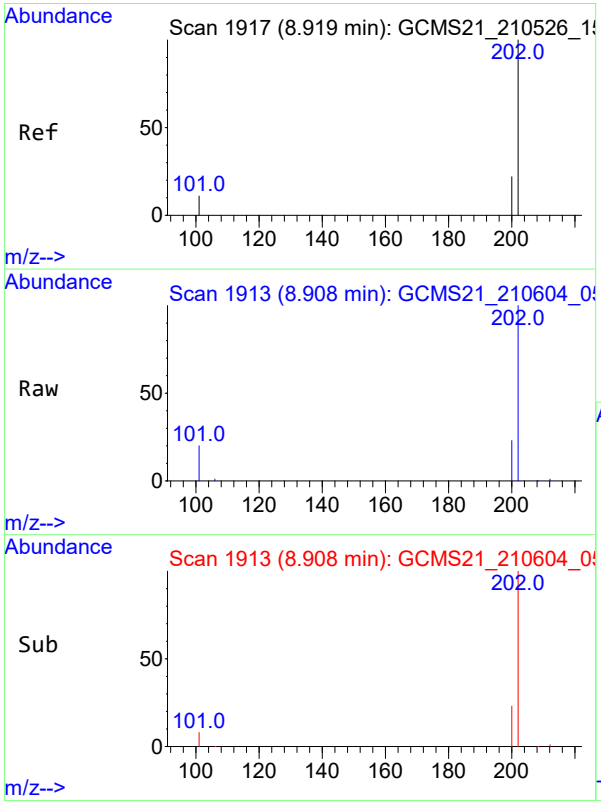


#14
Fluoranthene-D10
Concen: 215.20 ng/mL
RT: 8.887 min Scan# 1906
Delta R.T. 0.006 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:212 Resp: 291120

Ion	Ratio	Lower	Upper
212	100		
106	14.1	0.0	43.1

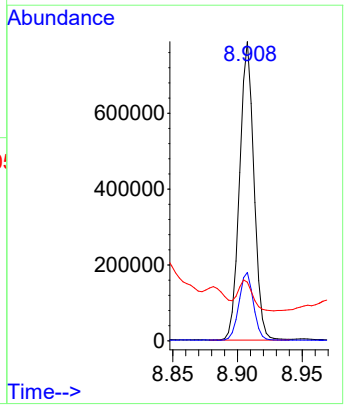


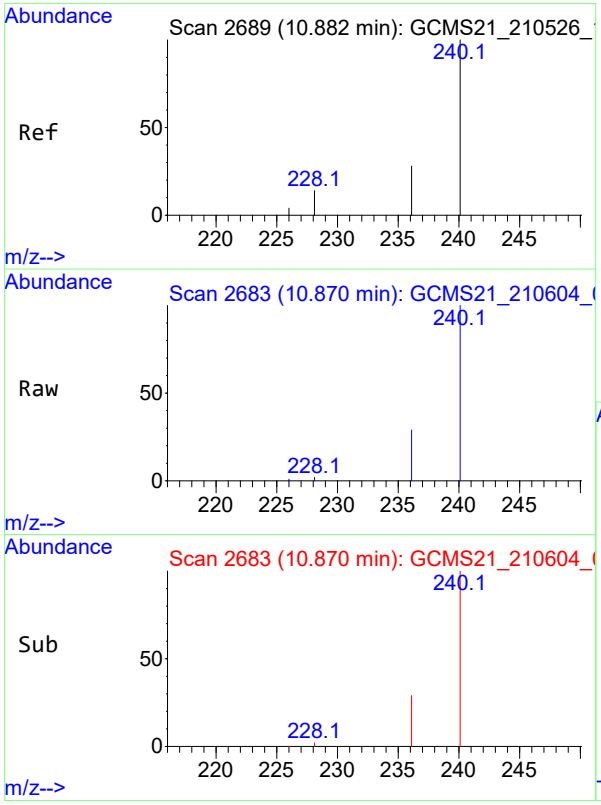


#15
Fluoranthene
Concen: 380.62 ng/mL
RT: 8.908 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:202 Resp: 605710

Ion	Ratio	Lower	Upper
202	100		
200	23.1	0.0	53.3
101	10.3	0.0	41.8

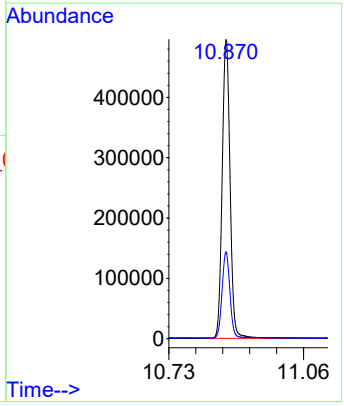


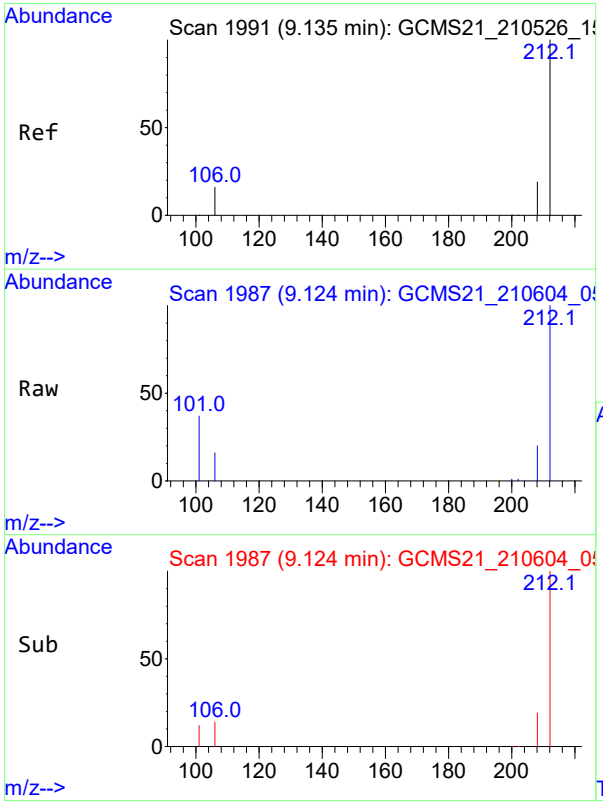


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.870 min Scan# 2683
Delta R.T. 0.008 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:240 Resp: 669172

Ion	Ratio	Lower	Upper
240	100		
236	28.8	0.0	58.5

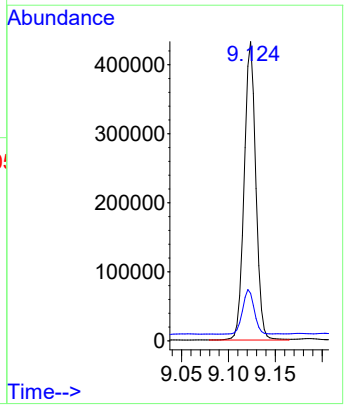


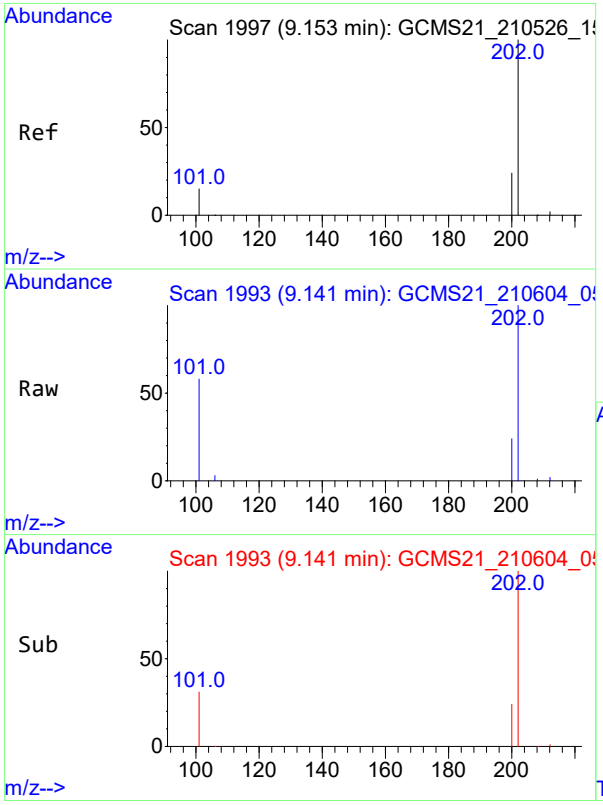


#17
Pyrene-D10
Concen: 243.28 ng/mL
RT: 9.124 min Scan# 1987
Delta R.T. 0.004 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:212 Resp: 371427

Ion	Ratio	Lower	Upper
212	100		
106	15.1	0.0	46.3

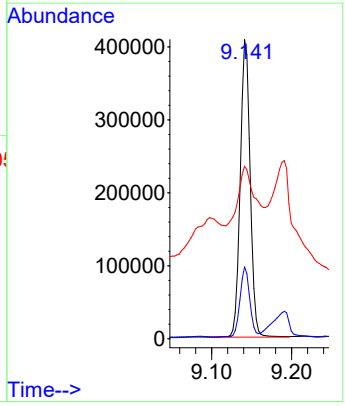


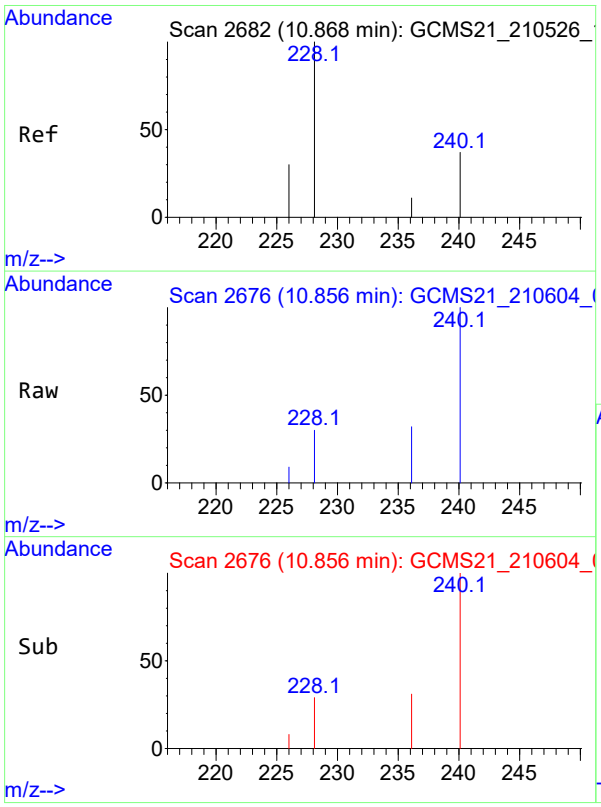


#18
Pyrene
Concen: 196.82 ng/mL m
RT: 9.141 min Scan# 1993
Delta R.T. 0.001 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:202 Resp: 351024

Ion	Ratio	Lower	Upper
202	100		
200	23.5	0.0	53.3
101	16.0	0.0	43.2

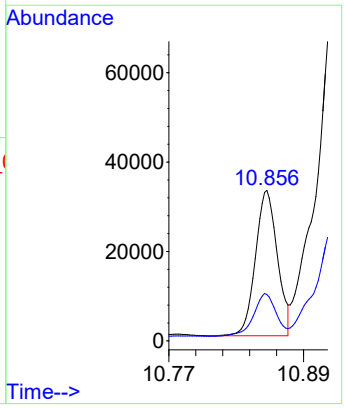


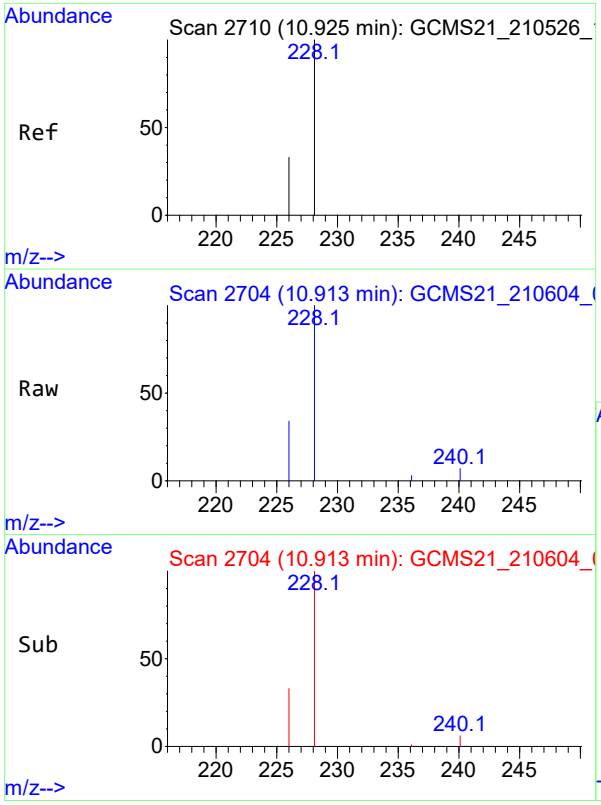


#19
Benzo(a)anthracene
Concen: 32.24 ng/mL
RT: 10.856 min Scan# 2676
Delta R.T. 0.008 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:228 Resp: 43399

Ion	Ratio	Lower	Upper
228	100		
226	30.3	0.0	59.2

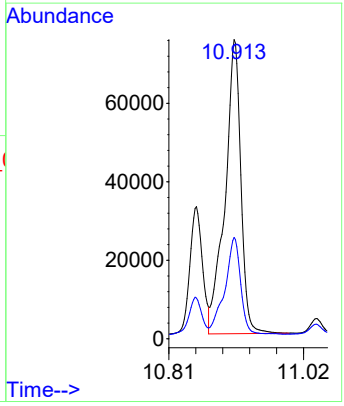


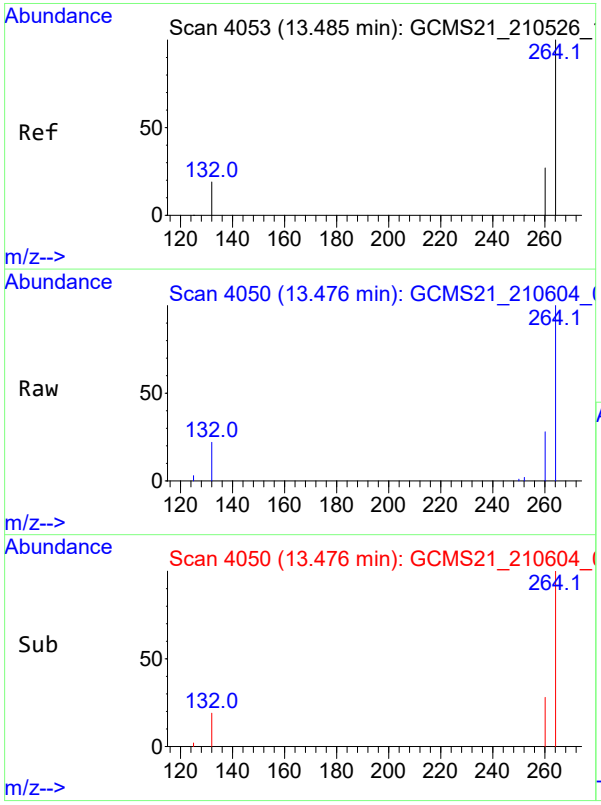


#20
Chrysene
Concen: 75.42 ng/mL
RT: 10.913 min Scan# 2704
Delta R.T. 0.008 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:228 Resp: 125332

Ion	Ratio	Lower	Upper
228	100		
226	32.5	1.9	61.9

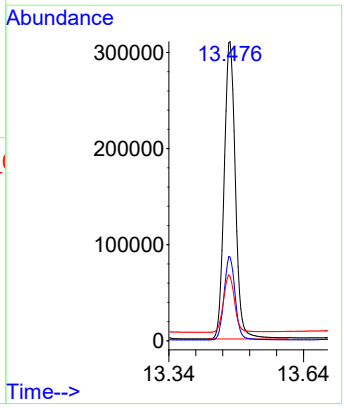


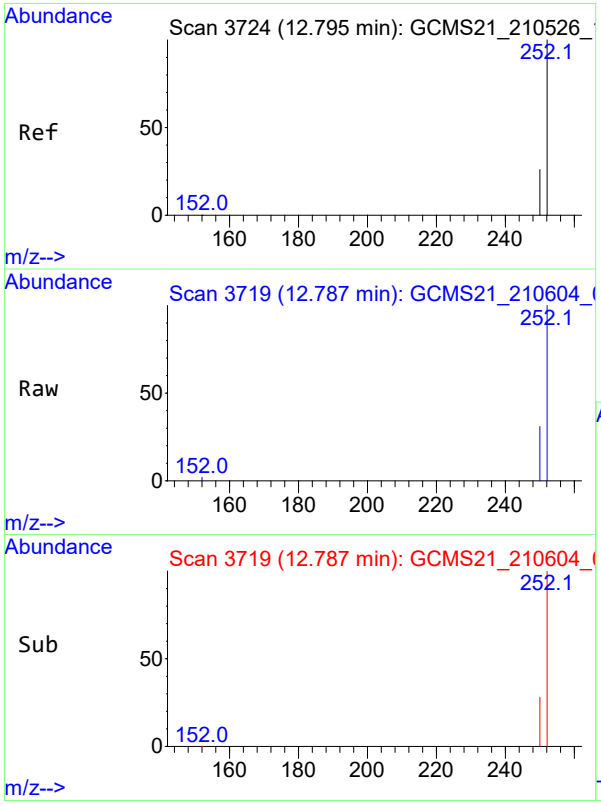


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.476 min Scan# 4050
Delta R.T. 0.015 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:264 Resp: 525268

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.7
132	19.1	0.0	49.0

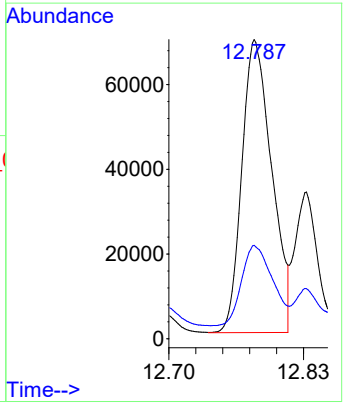


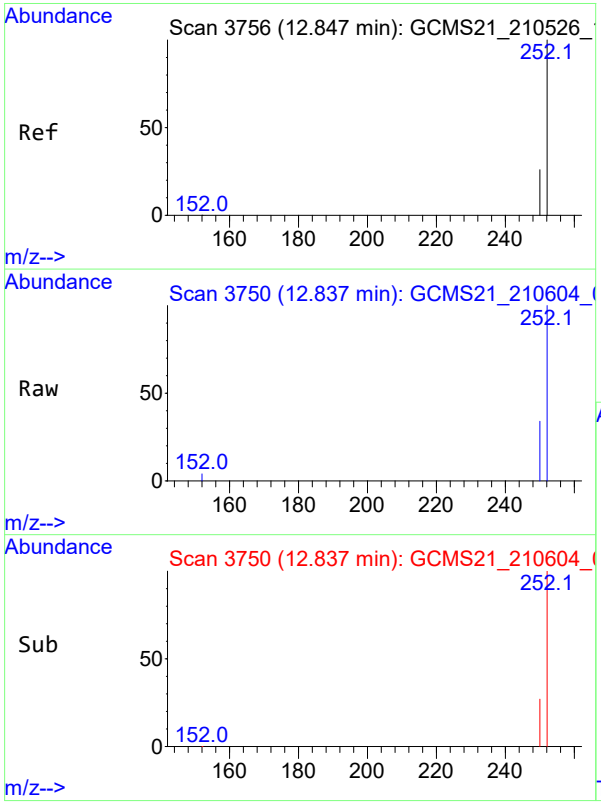


#22
Benzo(b)fluoranthene
Concen: 126.56 ng/mL
RT: 12.787 min Scan# 3719
Delta R.T. 0.014 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 137997

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	56.1

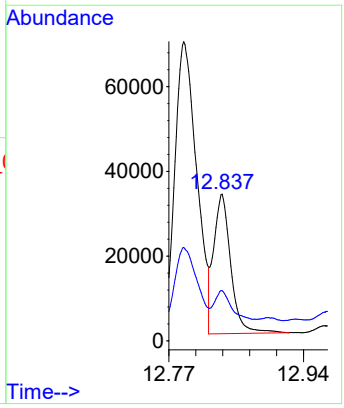


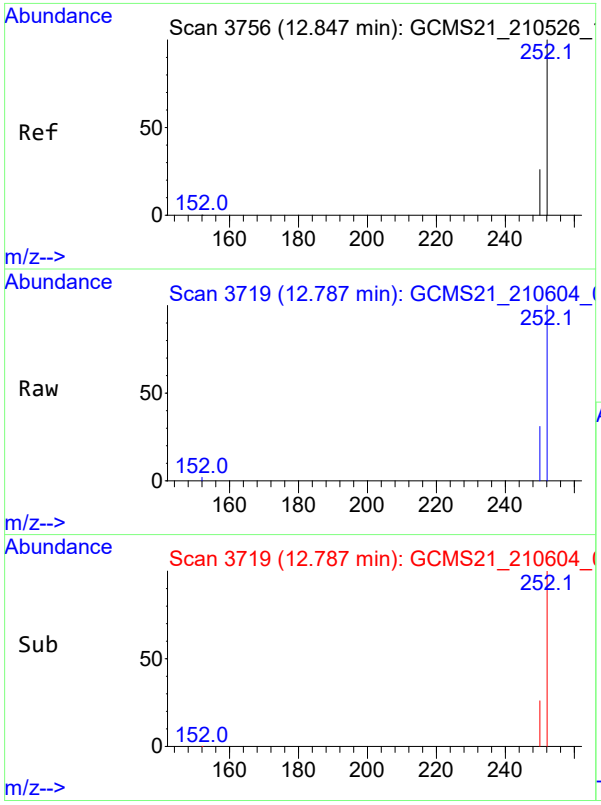


#23
Benzo(k)fluoranthene
Concen: 42.61 ng/mL
RT: 12.837 min Scan# 3750
Delta R.T. 0.014 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 51487

Ion	Ratio	Lower	Upper
252	100		
250	21.0	0.0	55.4

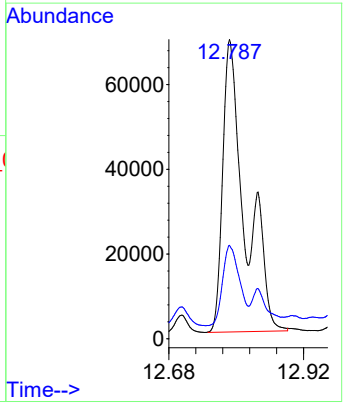


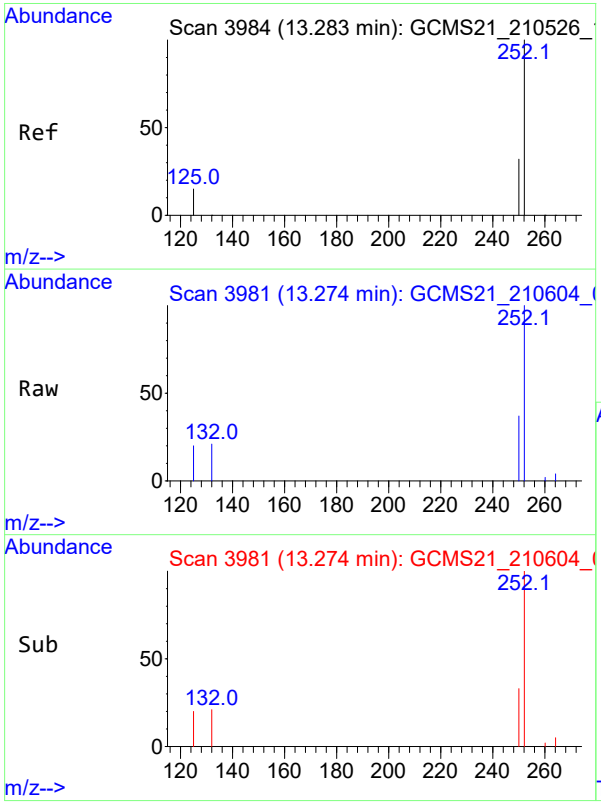


#24
benzo(b+k)fluoranthene (sum)
Concen: 158.69 ng/mL m
RT: 12.787 min Scan# 3719
Delta R.T. -0.036 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 188006

Ion	Ratio	Lower	Upper
252	100		
250	9.3	0.0	55.4

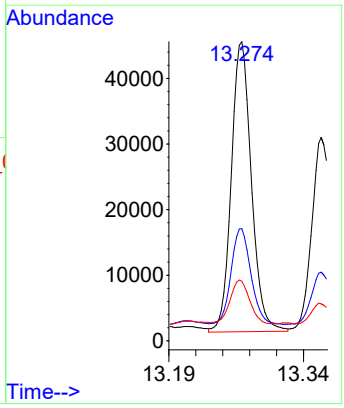


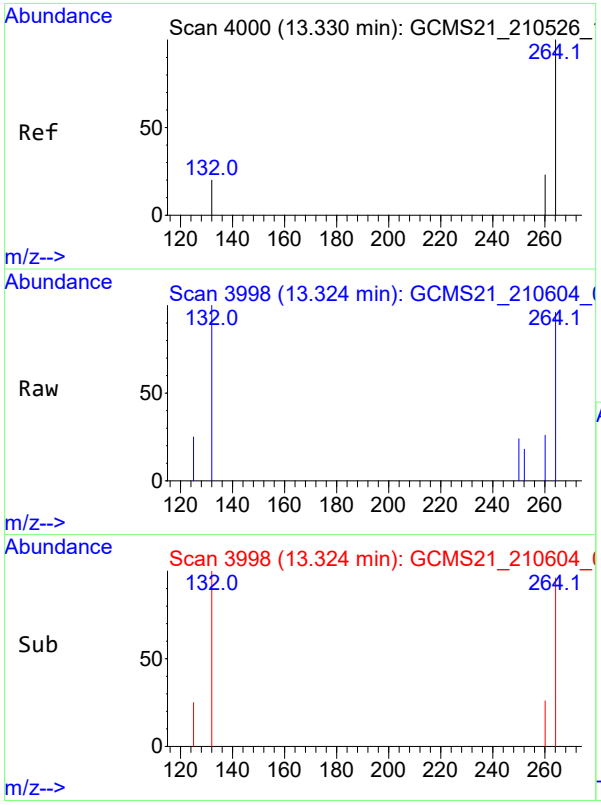


#25
Benzo(e)pyrene
Concen: 64.00 ng/mL
RT: 13.274 min Scan# 3981
Delta R.T. 0.015 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 70387

Ion	Ratio	Lower	Upper
252	100		
250	32.8	2.1	62.1
125	25.5	0.0	45.8

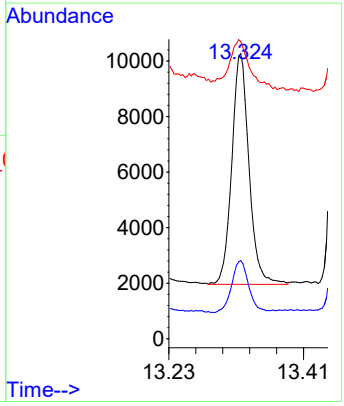


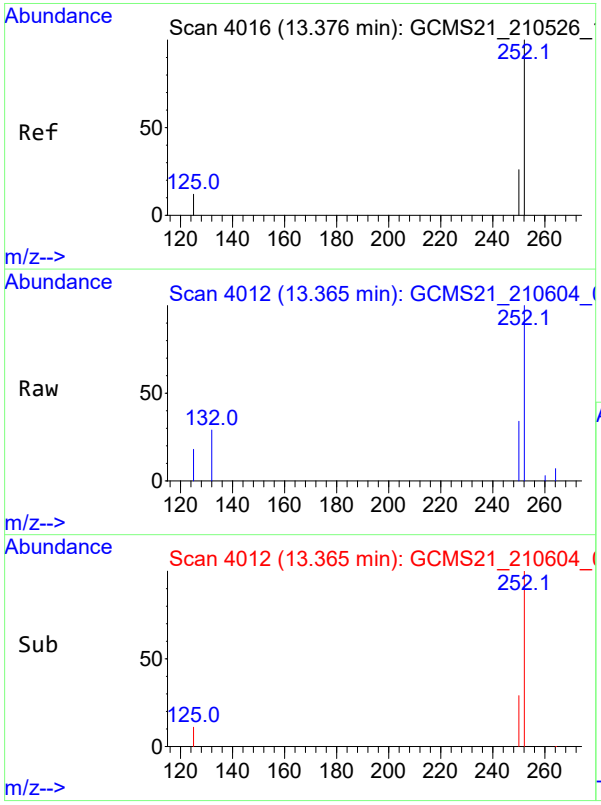


#26
Benzo(a)pyrene-D12
Concen: 15.85 ng/mL
RT: 13.324 min Scan# 3998
Delta R.T. 0.012 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:264 Resp: 13524

Ion	Ratio	Lower	Upper
264	100		
260	22.4	0.0	52.9
132	26.0	0.0	48.4

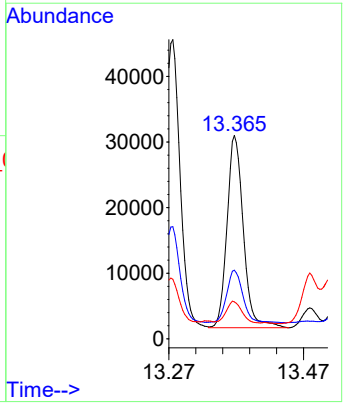


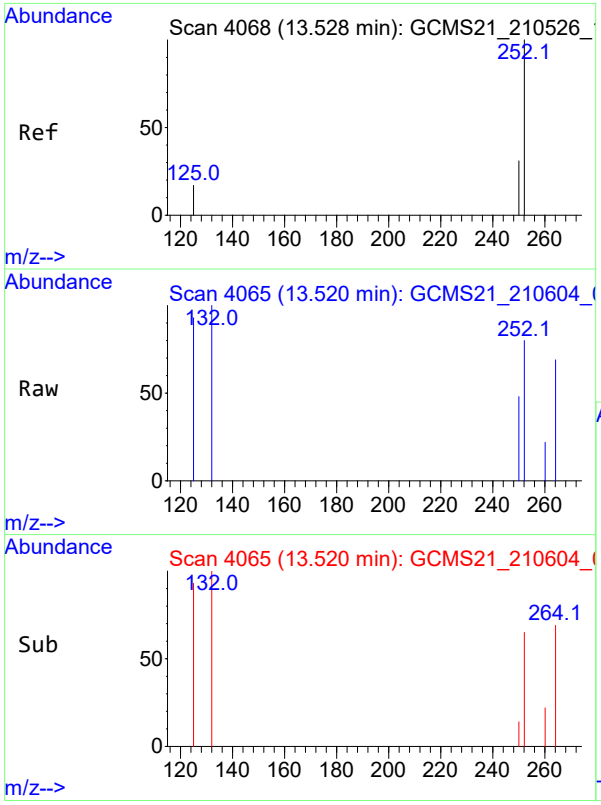


#27
Benzo(a)pyrene
Concen: 49.11 ng/mL
RT: 13.365 min Scan# 4012
Delta R.T. 0.015 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 48869

Ion	Ratio	Lower	Upper
252	100		
250	27.7	0.0	56.7
125	10.5	0.0	42.1

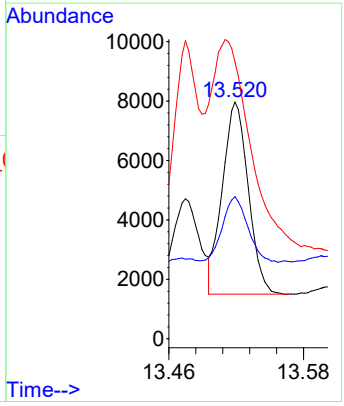


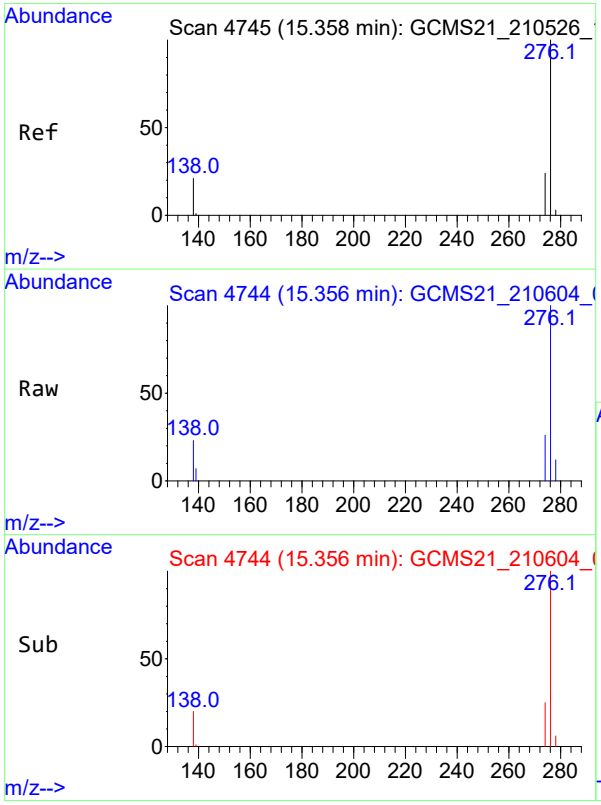


#28
Perylene
Concen: 9.21 ng/mL
RT: 13.520 min Scan# 4065
Delta R.T. 0.015 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 10294

Ion	Ratio	Lower	Upper
252	100		
250	33.2	1.2	61.2
125	268.0	0.0	46.5#

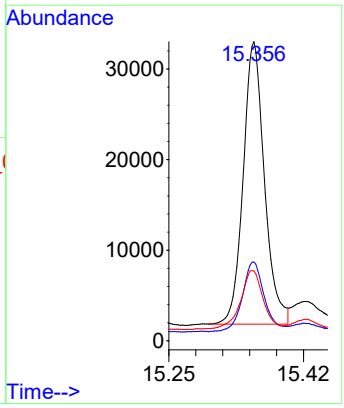


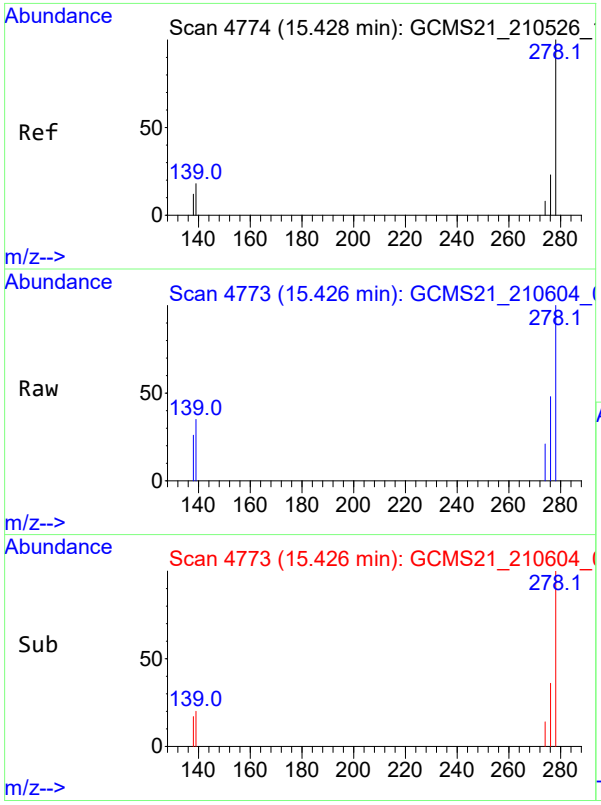


#29
Indeno(1,2,3-cd)pyrene
Concen: 69.07 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. 0.024 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:276 Resp: 58816

Ion	Ratio	Lower	Upper
276	100		
274	25.4	0.0	53.5
138	21.6	0.0	50.6

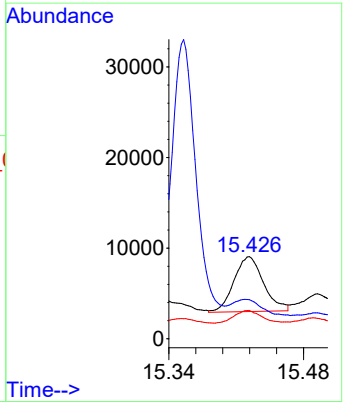


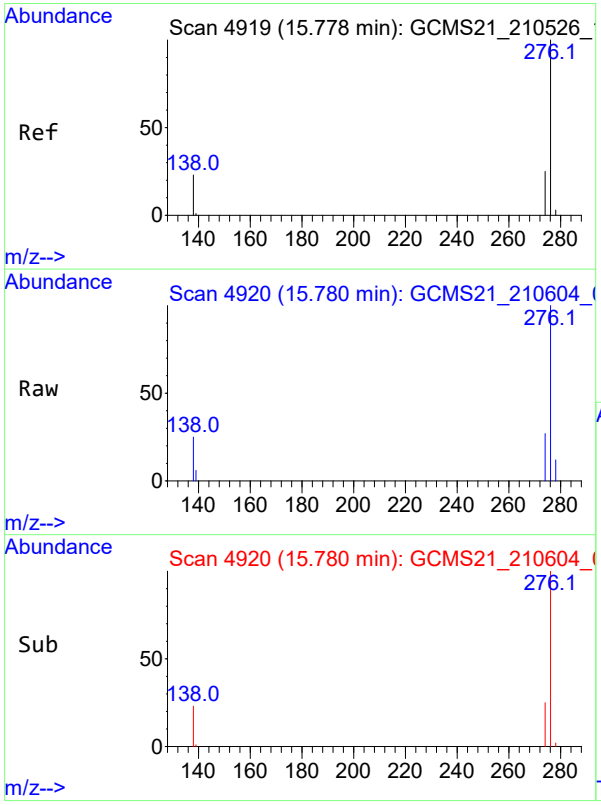


#30
Dibenz(a,h)anthracene
Concen: 15.64 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. 0.021 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:278 Resp: 13274

Ion	Ratio	Lower	Upper
278	100		
276	40.4	0.0	58.7
139	20.8	0.0	47.2

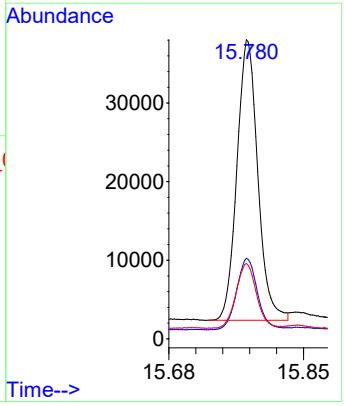




#31
Benzo(g,h,i)perylene
Concen: 59.72 ng/mL
RT: 15.780 min Scan# 4920
Delta R.T. 0.023 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:276 Resp: 66069

Ion	Ratio	Lower	Upper
276	100		
274	25.5	0.0	54.2
138	22.6	0.0	52.4



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_05.D
Acq On : 04 Jun 2021 10:19
Operator : MN GCMS21
Sample : 2105001-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:00:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

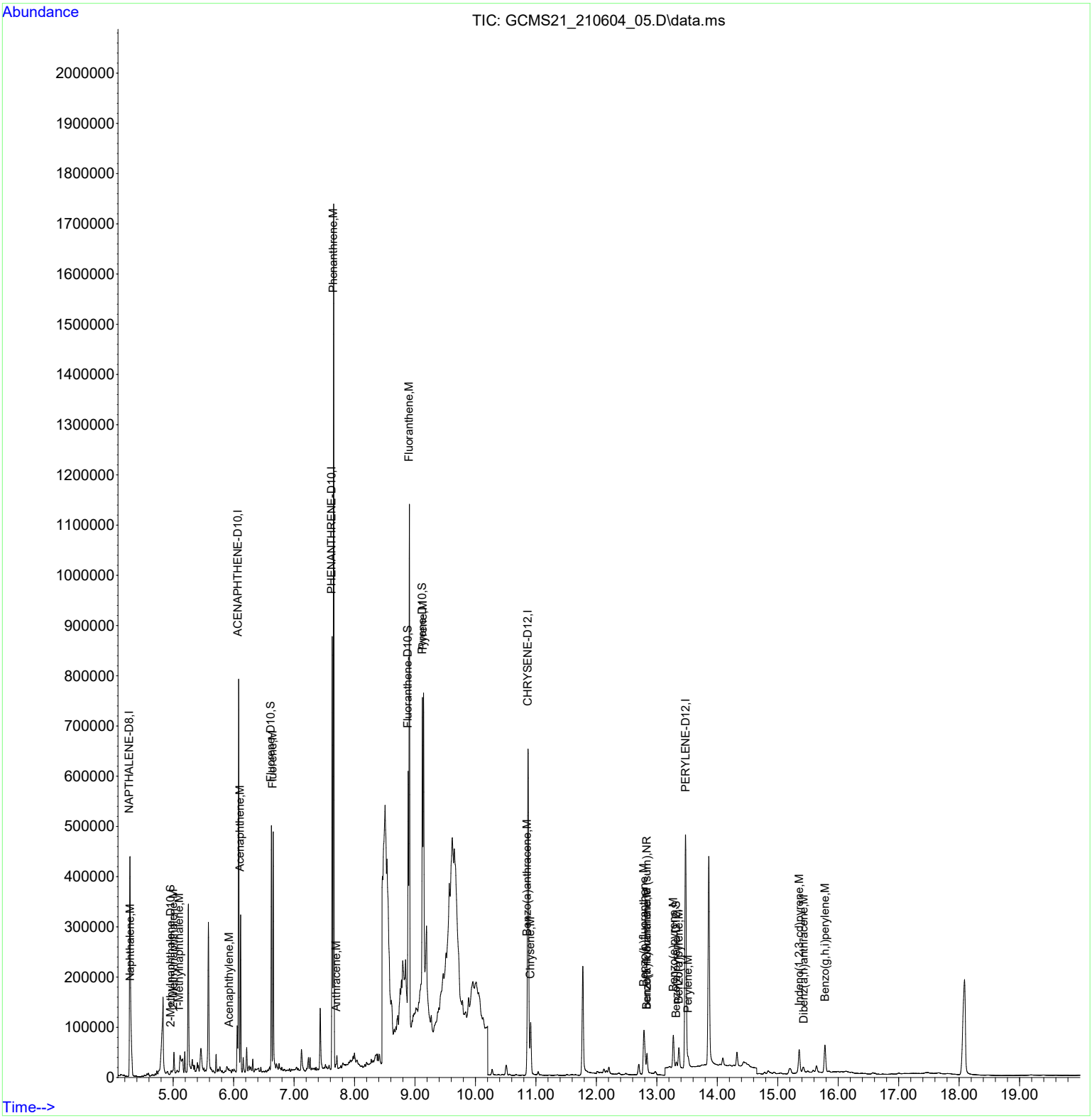
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.286	136	487808	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	293848	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.630	188	624762	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.870	240	669172	500.00	ng/mL	0.00
21) PERYLENE-D12	13.476	264	525268	500.00	ng/mL	0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.969	152	663	1.08	ng/mL	-0.01
9) Fluorene-D10	6.625	176	189847	269.86	ng/mL	0.00
14) Fluoranthene-D10	8.887	212	291120	215.20	ng/mL	0.00
17) Pyrene-D10	9.124	212	371427	243.28	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.324	264	13524	15.85	ng/mL	0.01
Target Compounds						Qvalue
2) Naphthalene	4.304	128	22962	24.53	ng/mL	97
4) 2-Methylnaphthalene	5.013	142	17325	25.13	ng/mL	94
5) 1-Methylnaphthalene	5.112	142	9407	16.38	ng/mL#	82
7) Acenaphthylene	5.935	152	4442	4.55	ng/mL#	20
8) Acenaphthene	6.116	153	84489	113.17	ng/mL	98
10) Fluorene	6.656	166	175283	212.12	ng/mL	100
12) Phenanthrene	7.655	178	968617	642.39	ng/mL	99
13) Anthracene	7.709	178	21012	16.76	ng/mL	83
15) Fluoranthene	8.908	202	605710	380.62	ng/mL	98
18) Pyrene	9.141	202	351024	196.82	ng/mL#	38
19) Benzo(a)anthracene	10.856	228	43399	32.24	ng/mL	98
20) Chrysene	10.913	228	125332	75.42	ng/mL	99
22) Benzo(b)fluoranthene	12.787	252	137997	126.56	ng/mL	95
23) Benzo(k)fluoranthene	12.837	252	51487	42.61	ng/mL	91
24) benzo(b+k)fluoranthene...	12.837	252	51487	43.46	ng/mL	83
25) Benzo(e)pyrene	13.274	252	70387	64.00	ng/mL	92
27) Benzo(a)pyrene	13.365	252	48869	49.11	ng/mL	97
28) Perylene	13.520	252	10294	9.21	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.356	276	58816	69.07	ng/mL	97
30) Dibenz(a,h)anthracene	15.426	278	13274	15.64	ng/mL	83
31) Benzo(g,h,i)perylene	15.780	276	66069	59.72	ng/mL	98

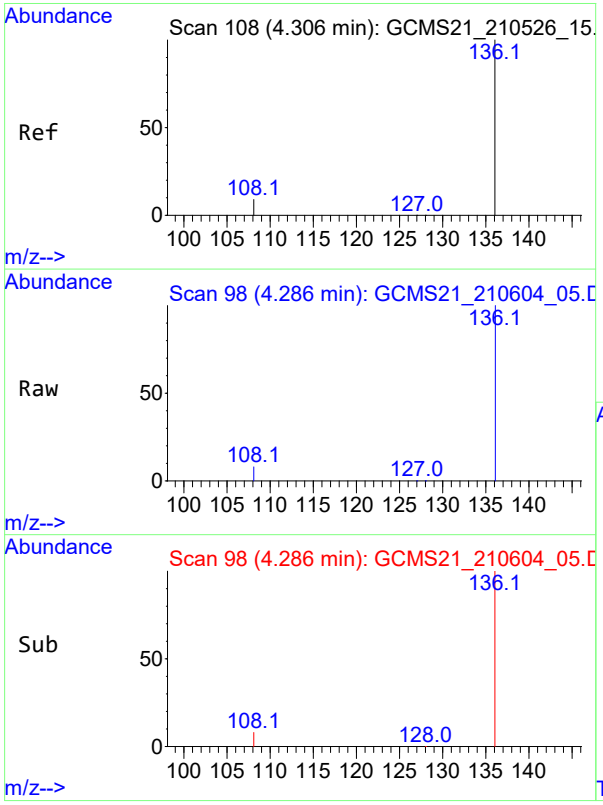
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_05.D
Acq On : 04 Jun 2021 10:19
Operator : MN GCMS21
Sample : 2105001-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:00:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

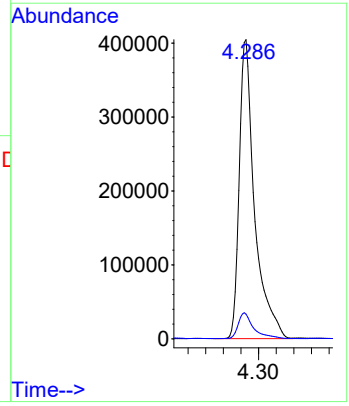


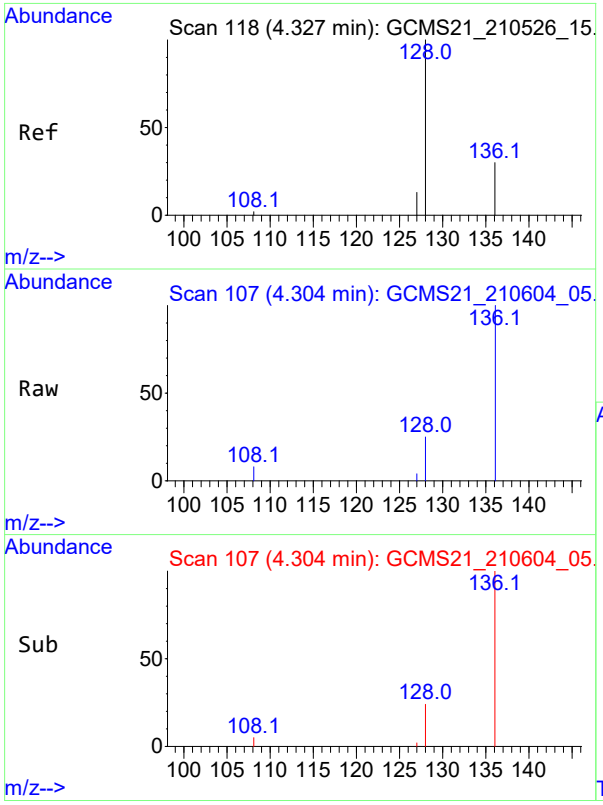


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.286 min Scan# 98
Delta R.T. -0.002 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:136 Resp: 487808

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	28.6

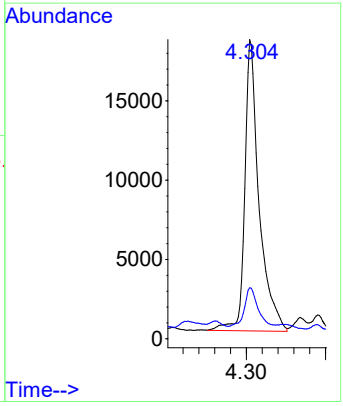


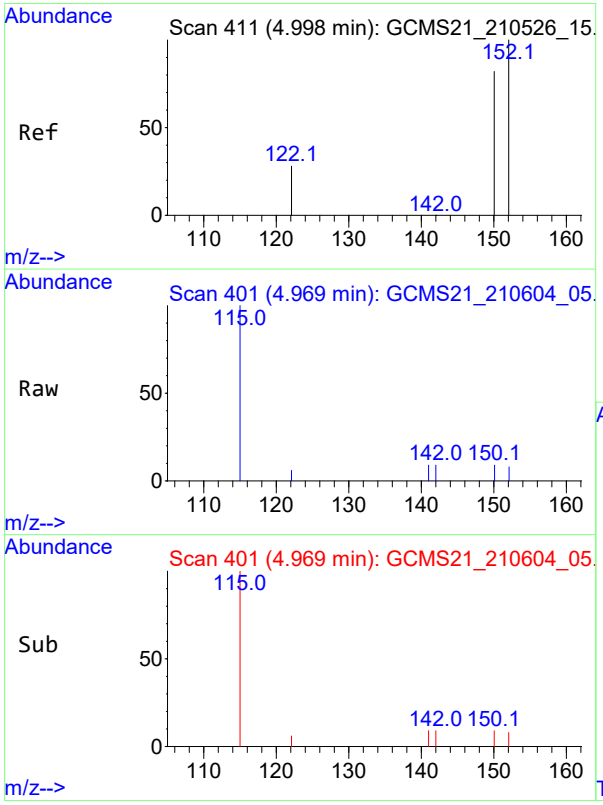


#2
Naphthalene
Concen: 24.53 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.004 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:128 Resp: 22962

Ion	Ratio	Lower	Upper
128	100		
127	12.2	0.0	43.4

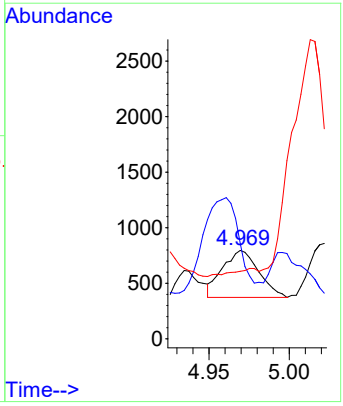


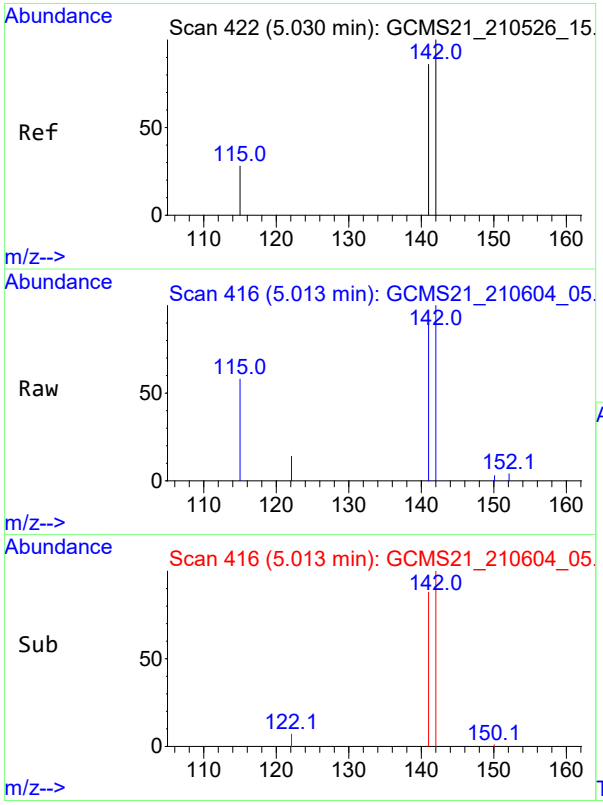


#3
2-Methylnaphthalene-D10
Concen: 1.08 ng/mL
RT: 4.969 min Scan# 401
Delta R.T. -0.012 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:152 Resp: 663

Ion	Ratio	Lower	Upper
152	100		
150	203.9	52.3	112.3#
122	0.0	0.0	57.8

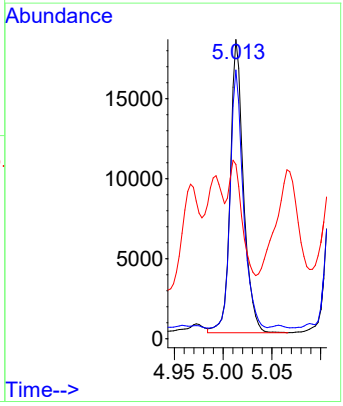


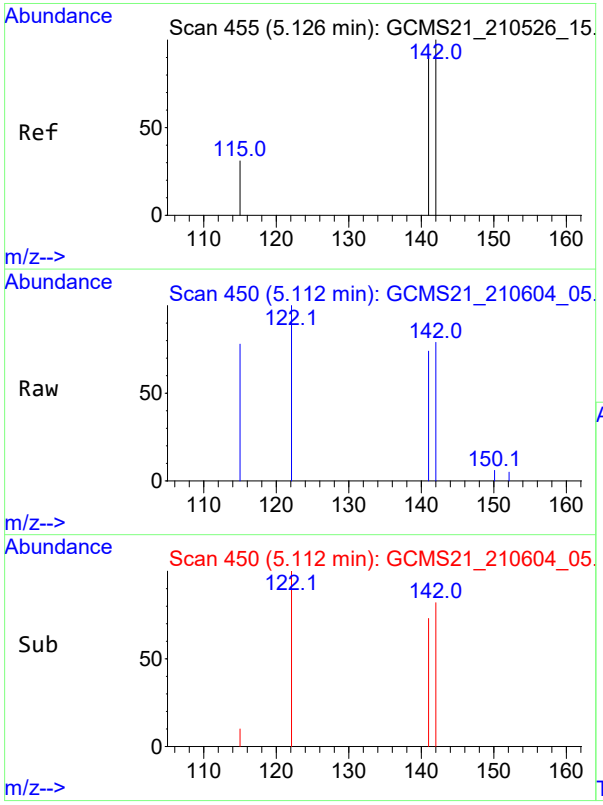


#4
2-Methylnaphthalene
Concen: 25.13 ng/mL
RT: 5.013 min Scan# 416
Delta R.T. -0.000 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:142 Resp: 17325

Ion	Ratio	Lower	Upper
142	100		
141	86.6	56.9	116.9
115	39.1	0.0	57.7

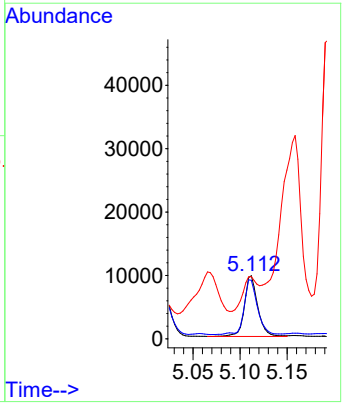


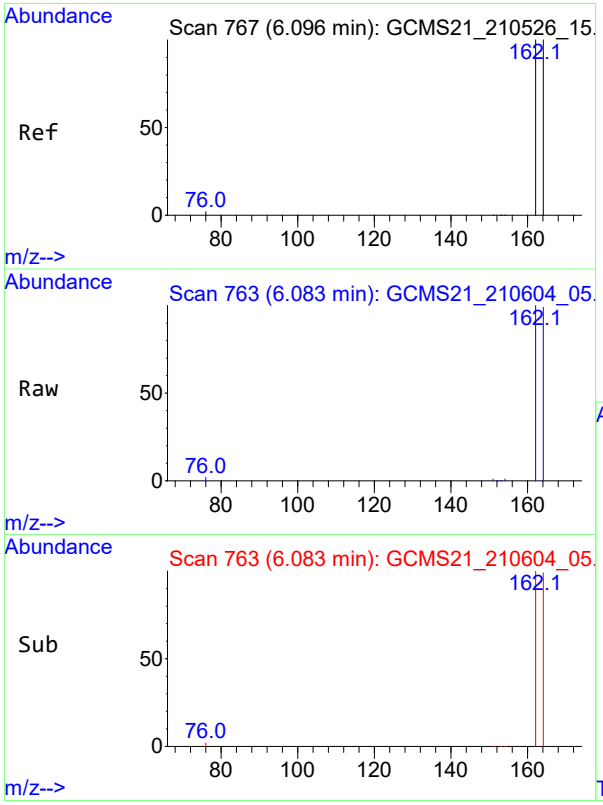


#5
1-Methylnaphthalene
Concen: 16.38 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:142 Resp: 9407

Ion	Ratio	Lower	Upper
142	100		
141	89.3	57.9	117.9
115	64.0	0.0	57.0#

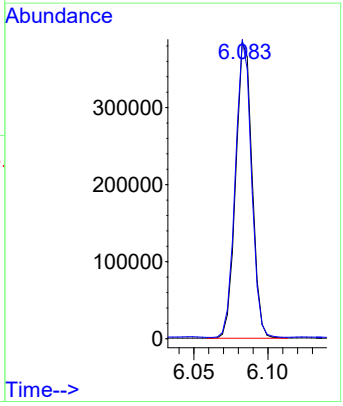


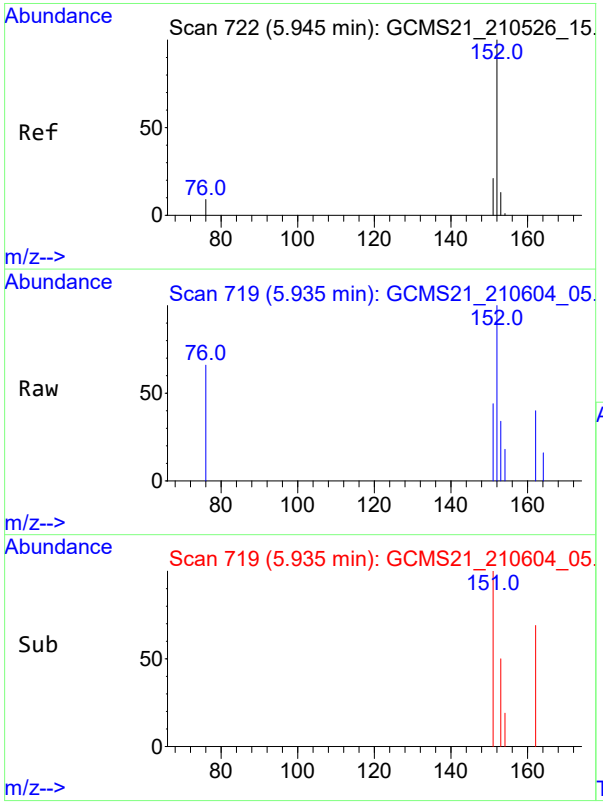


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:164 Resp: 293848

Ion	Ratio	Lower	Upper
164	100		
162	99.5	81.0	121.0

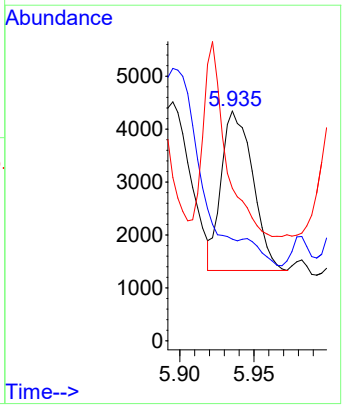


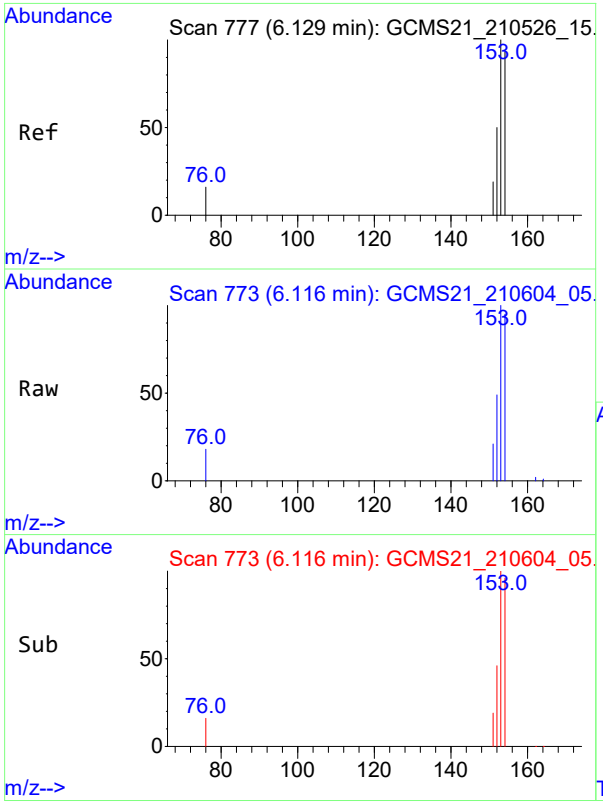


#7
Acenaphthylene
Concen: 4.55 ng/mL
RT: 5.935 min Scan# 719
Delta R.T. 0.007 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:152 Resp: 4442

Ion	Ratio	Lower	Upper
152	100		
151	10.6	0.0	51.0
76	88.1	0.0	38.6#

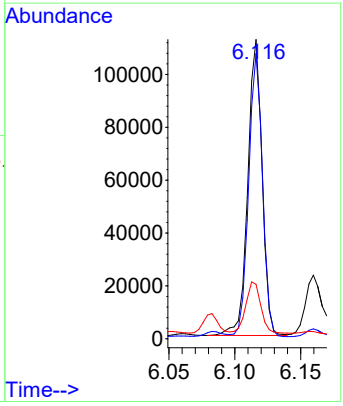


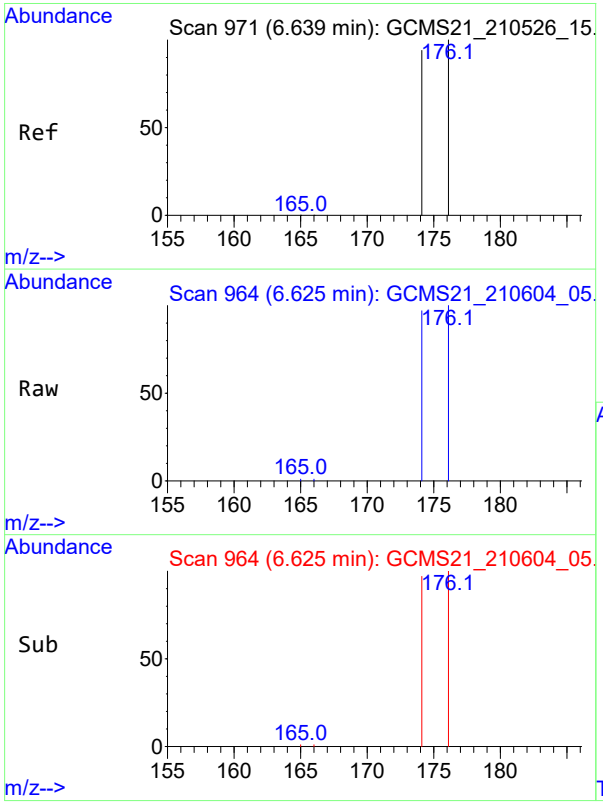


#8
Acenaphthene
Concen: 113.17 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:153 Resp: 84489

Ion	Ratio	Lower	Upper
153	100		
154	92.4	63.7	123.7
76	18.6	0.0	45.2

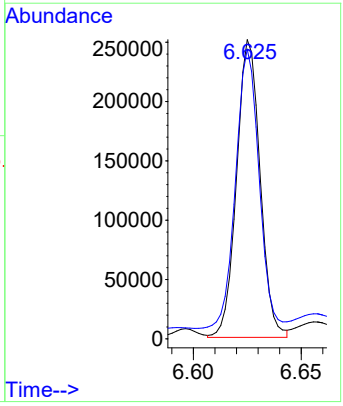


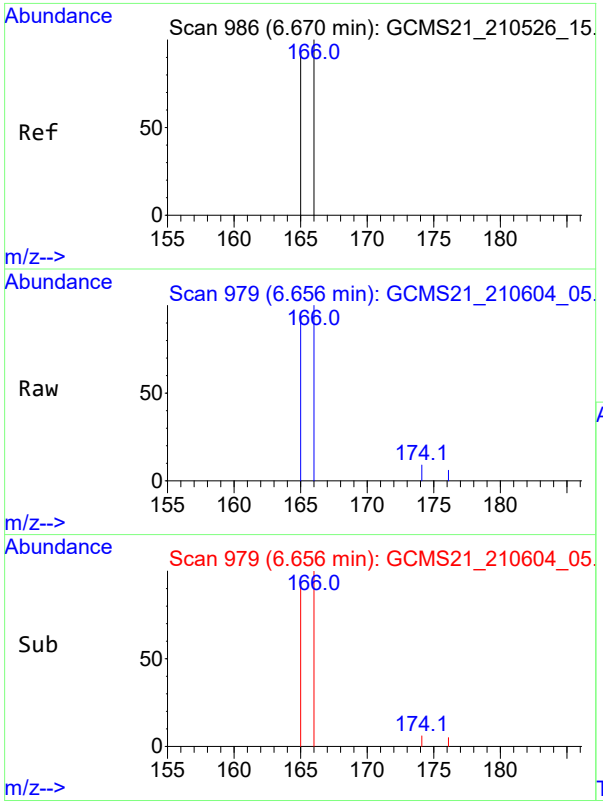


#9
Fluorene-D10
Concen: 269.86 ng/mL
RT: 6.625 min Scan# 964
Delta R.T. 0.002 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:176 Resp: 189847

Ion	Ratio	Lower	Upper
176	100		
174	94.7	63.9	123.9

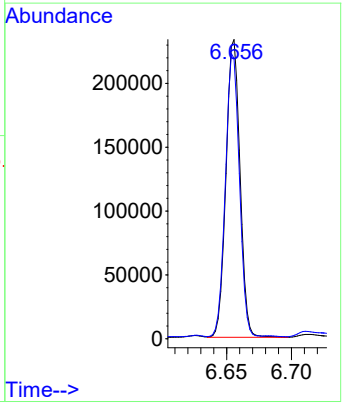


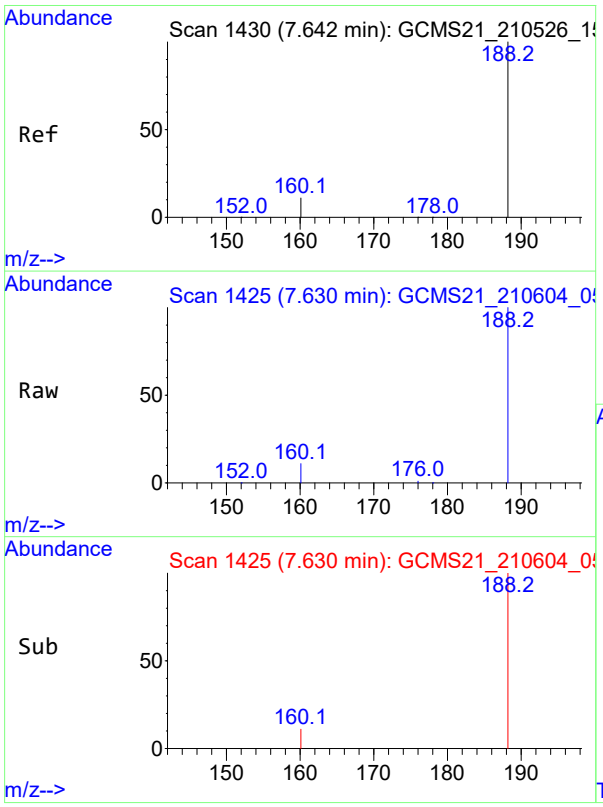


#10
Fluorene
Concen: 212.12 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. 0.004 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:166 Resp: 175283

Ion	Ratio	Lower	Upper
166	100		
165	94.9	65.1	125.1

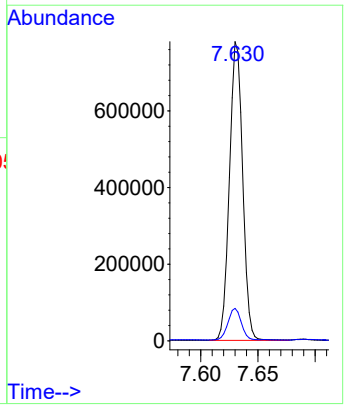


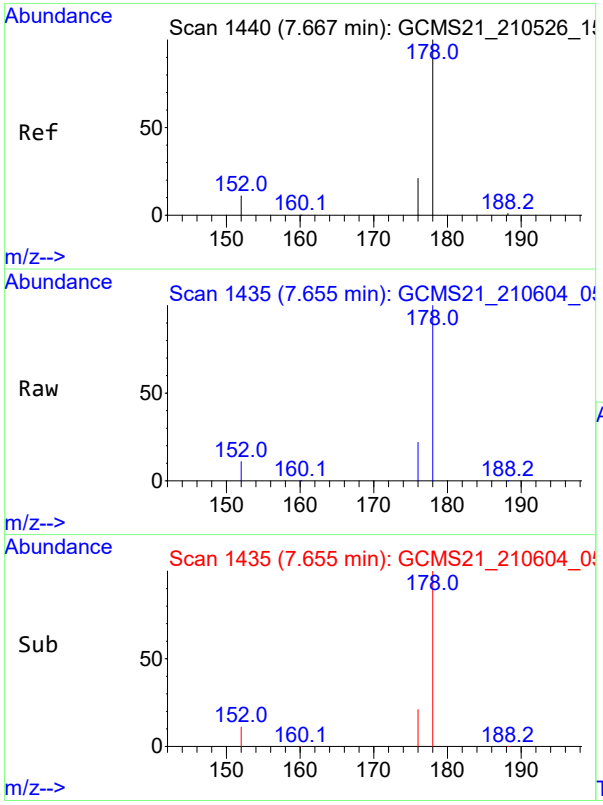


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.630 min Scan# 1425
Delta R.T. 0.002 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:188 Resp: 624762

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

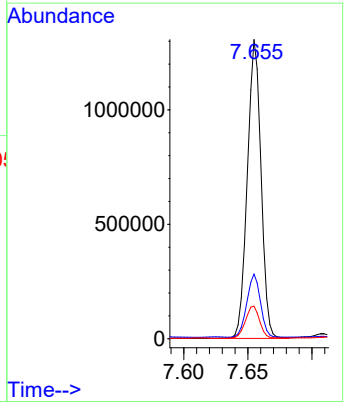


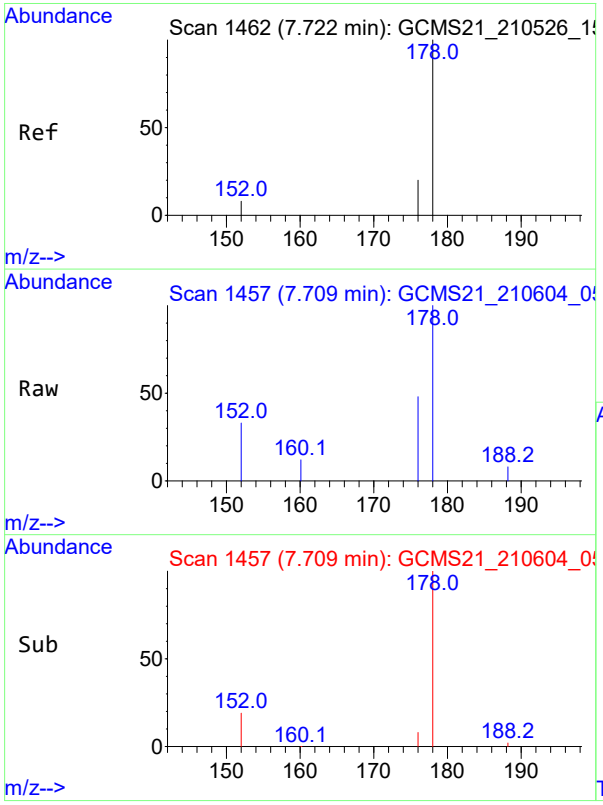


#12
Phenanthrene
Concen: 642.39 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. 0.005 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:178 Resp: 968617

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	11.0	0.0	40.5

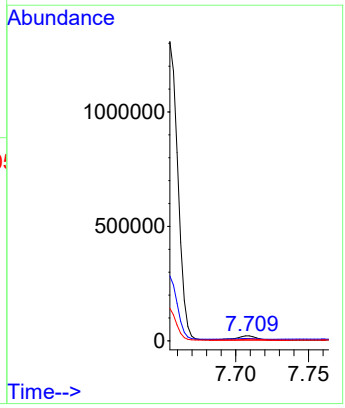


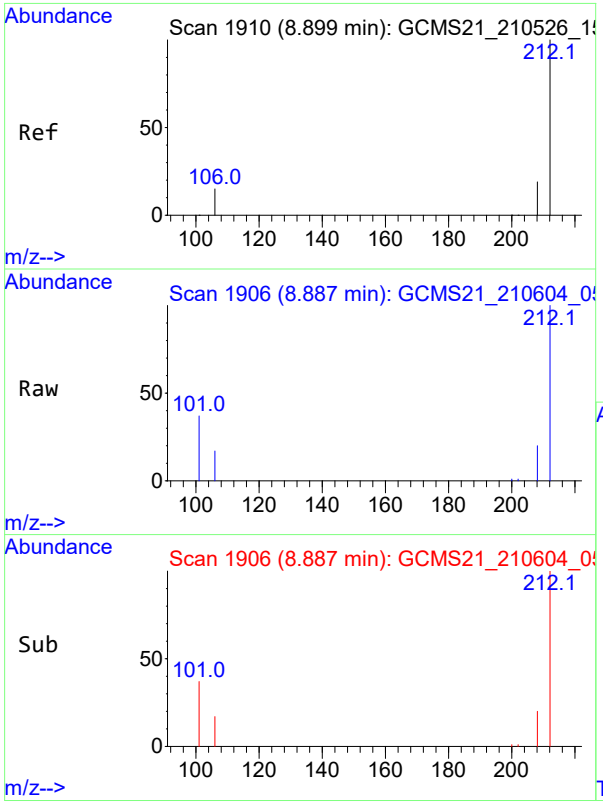


#13
Anthracene
Concen: 16.76 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:178 Resp: 21012

Ion	Ratio	Lower	Upper
178	100		
176	15.6	0.0	50.0
152	21.0	0.0	38.2

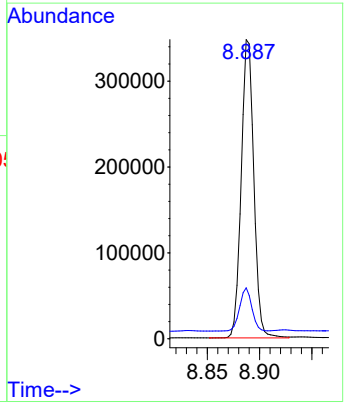


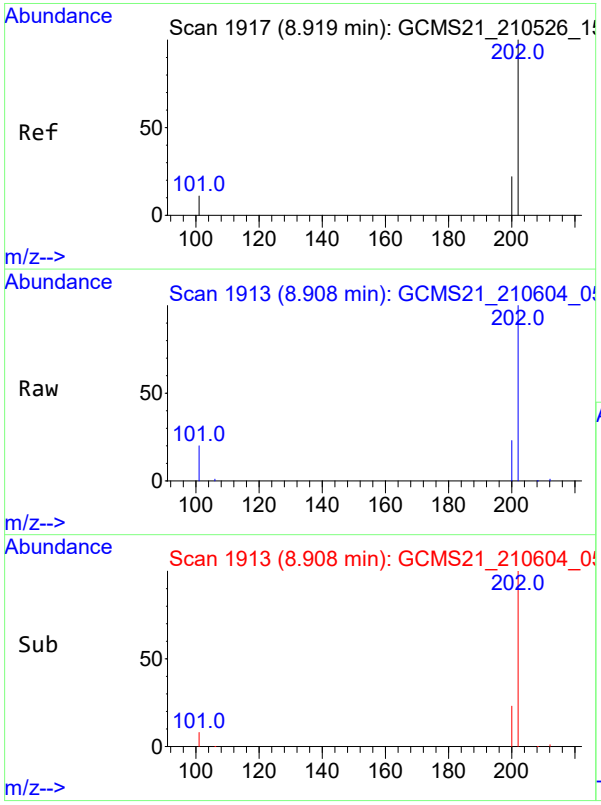


#14
Fluoranthene-D10
Concen: 215.20 ng/mL
RT: 8.887 min Scan# 1906
Delta R.T. 0.006 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:212 Resp: 291120

Ion	Ratio	Lower	Upper
212	100		
106	14.1	0.0	43.1

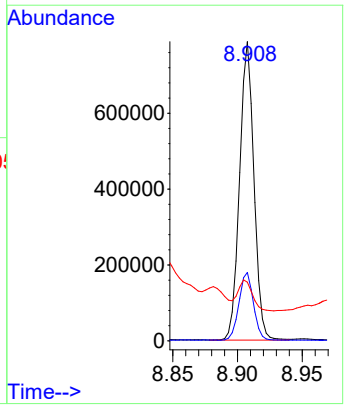


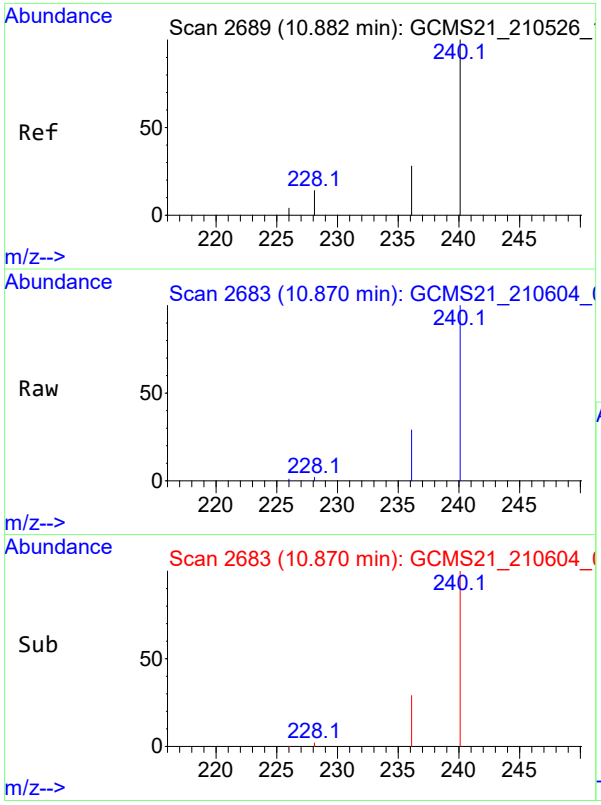


#15
Fluoranthene
Concen: 380.62 ng/mL
RT: 8.908 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:202 Resp: 605710

Ion	Ratio	Lower	Upper
202	100		
200	23.1	0.0	53.3
101	10.3	0.0	41.8

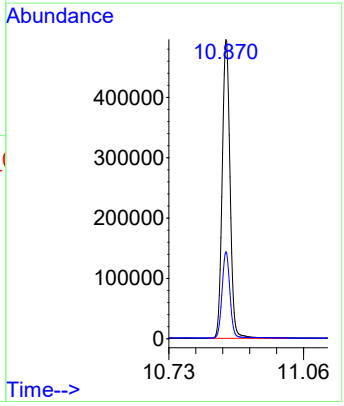


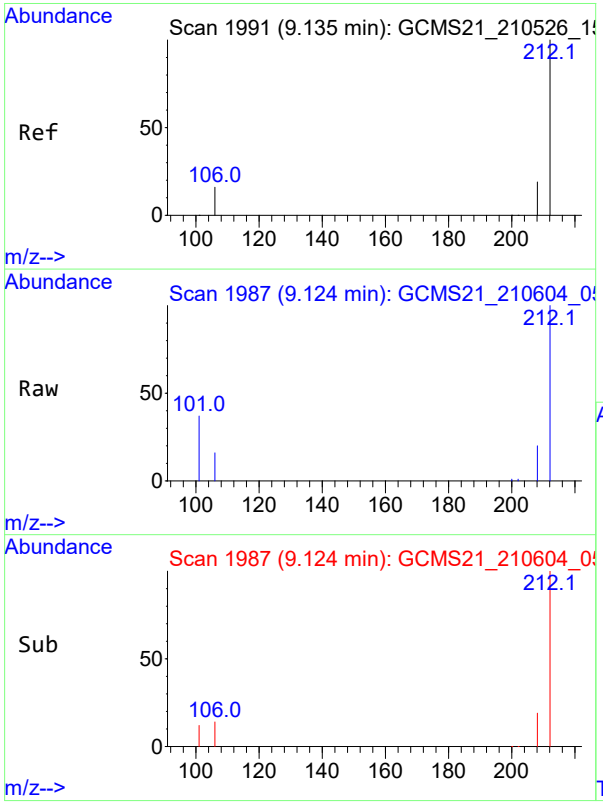


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.870 min Scan# 2683
Delta R.T. 0.008 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:240 Resp: 669172

Ion	Ratio	Lower	Upper
240	100		
236	28.8	0.0	58.5

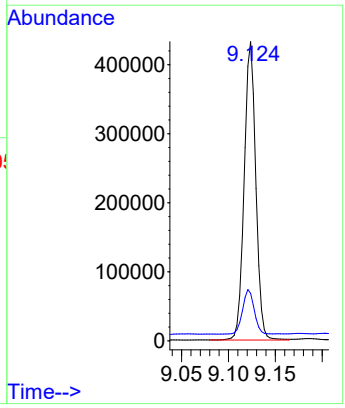


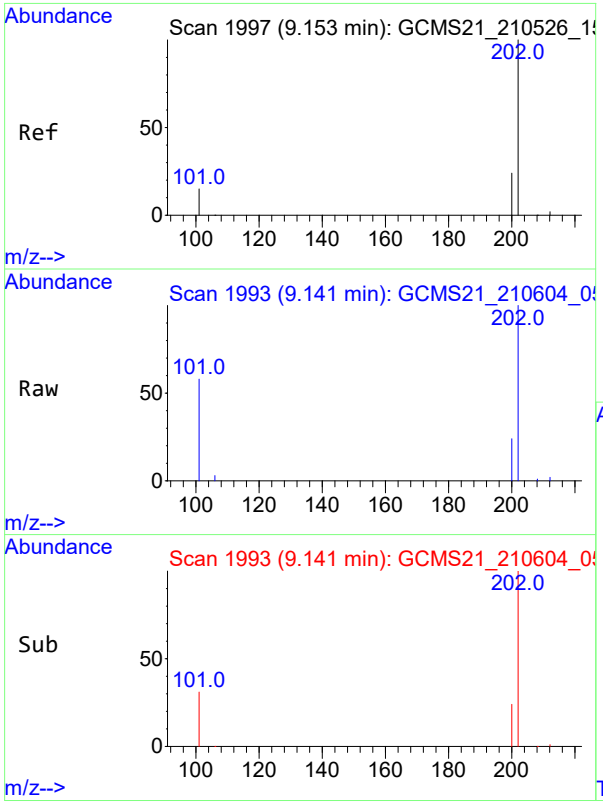


#17
Pyrene-D10
Concen: 243.28 ng/mL
RT: 9.124 min Scan# 1987
Delta R.T. 0.004 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:212 Resp: 371427

Ion	Ratio	Lower	Upper
212	100		
106	15.1	0.0	46.3

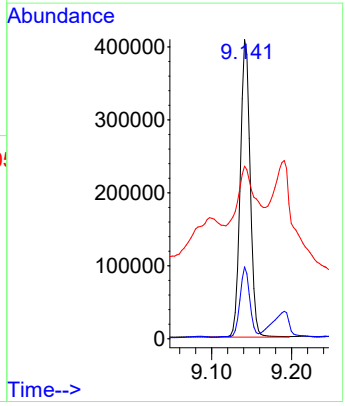


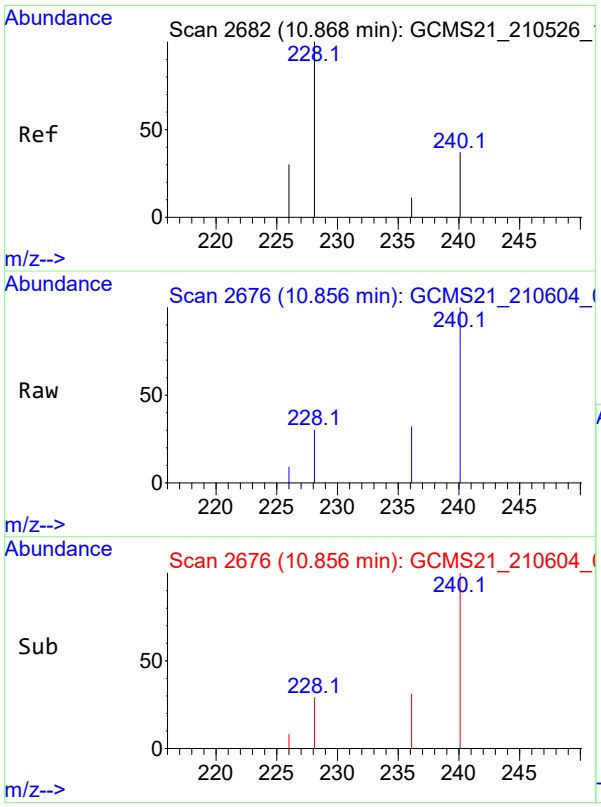


#18
Pyrene
Concen: 196.82 ng/mL
RT: 9.141 min Scan# 1993
Delta R.T. 0.001 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:202 Resp: 351024

Ion	Ratio	Lower	Upper
202	100		
200	23.5	0.0	53.3
101	80.9	0.0	43.2#

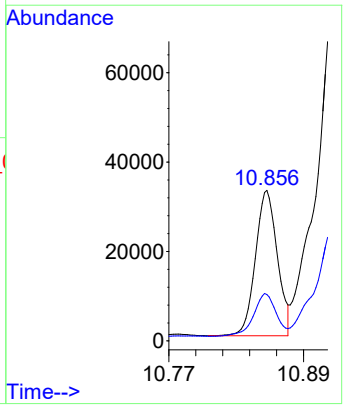


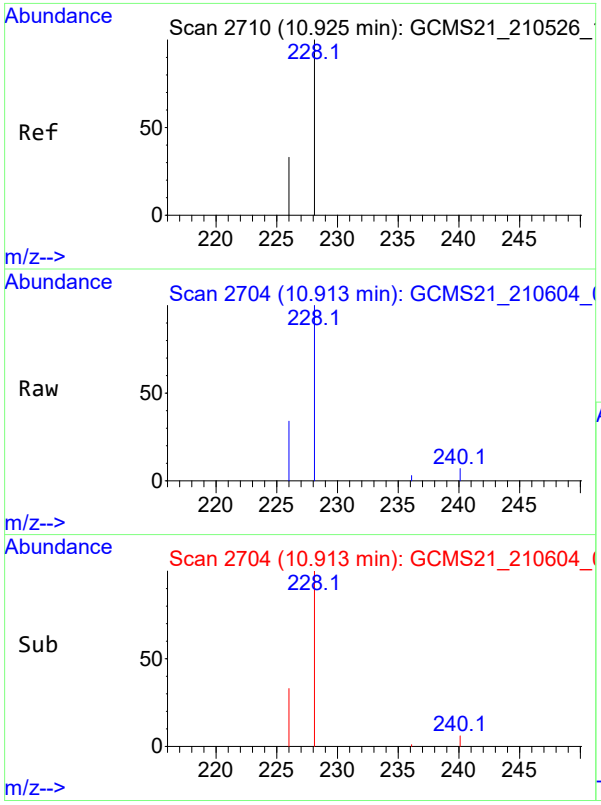


#19
Benzo(a)anthracene
Concen: 32.24 ng/mL
RT: 10.856 min Scan# 2676
Delta R.T. 0.008 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:228 Resp: 43399

Ion	Ratio	Lower	Upper
228	100		
226	30.3	0.0	59.2

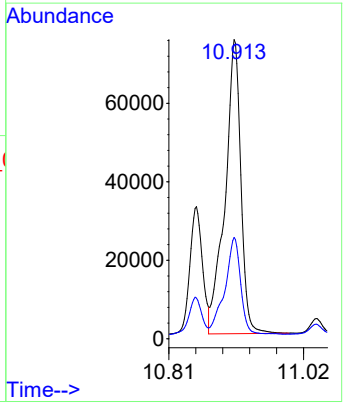


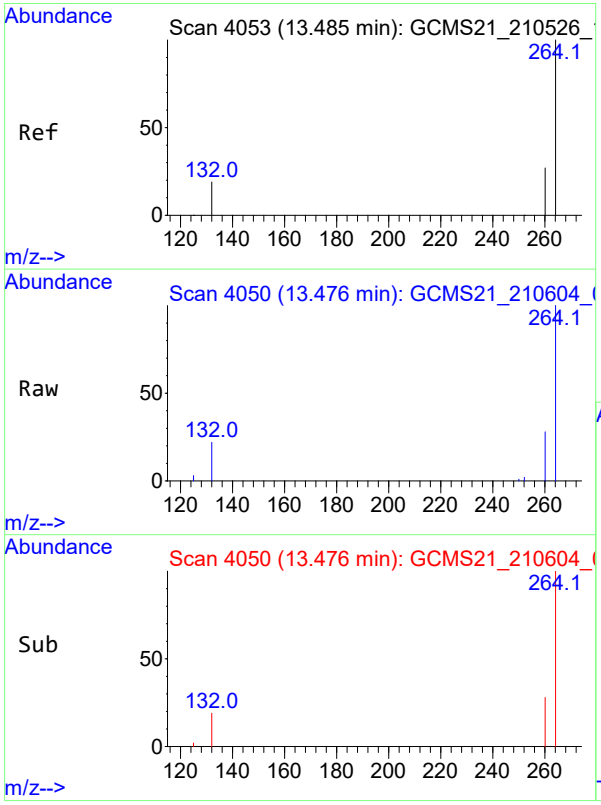


#20
Chrysene
Concen: 75.42 ng/mL
RT: 10.913 min Scan# 2704
Delta R.T. 0.008 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:228 Resp: 125332

Ion	Ratio	Lower	Upper
228	100		
226	32.5	1.9	61.9

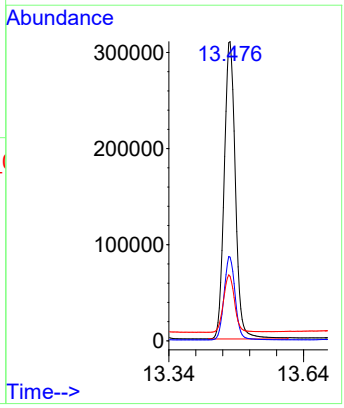


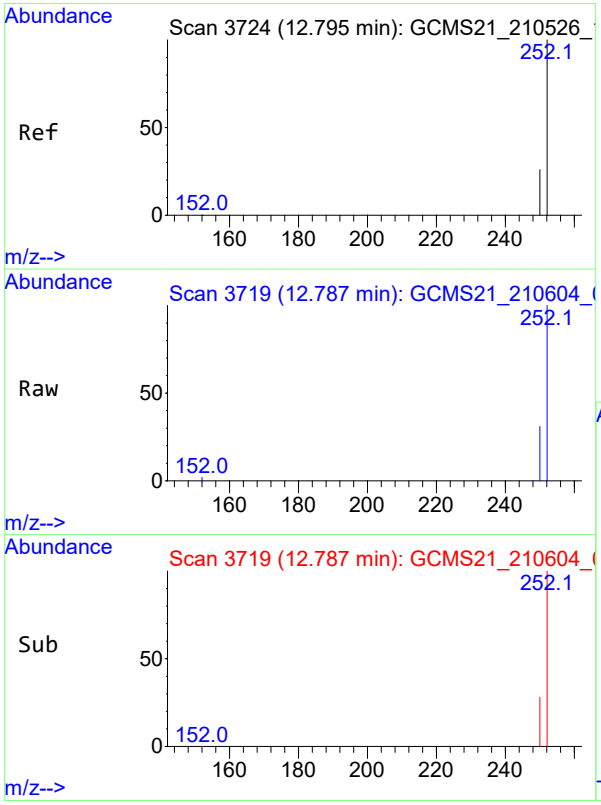


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.476 min Scan# 4050
Delta R.T. 0.015 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:264 Resp: 525268

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.7
132	19.1	0.0	49.0

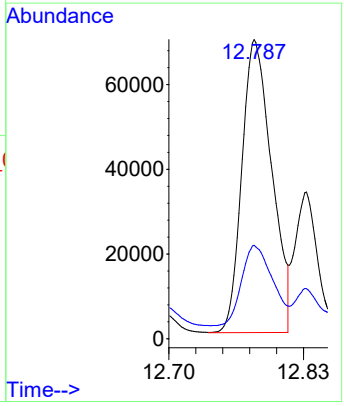


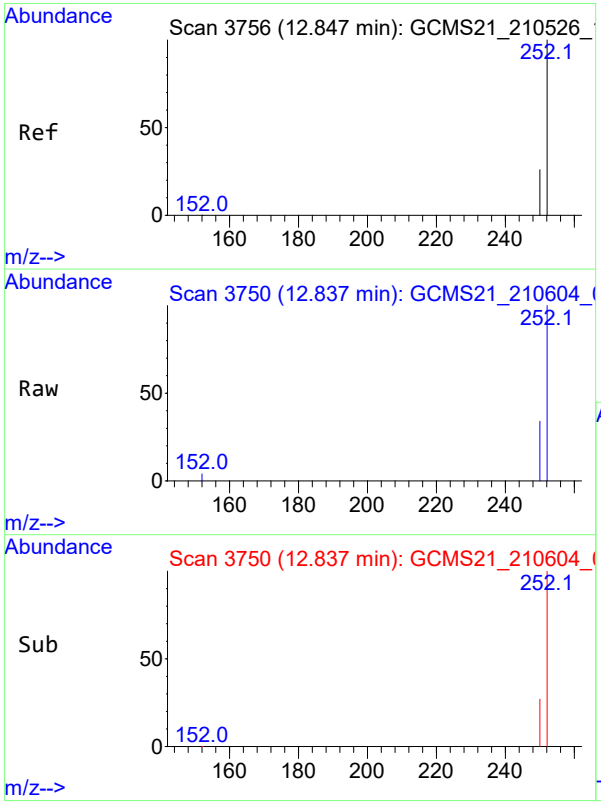


#22
Benzo(b)fluoranthene
Concen: 126.56 ng/mL
RT: 12.787 min Scan# 3719
Delta R.T. 0.014 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 137997

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	56.1

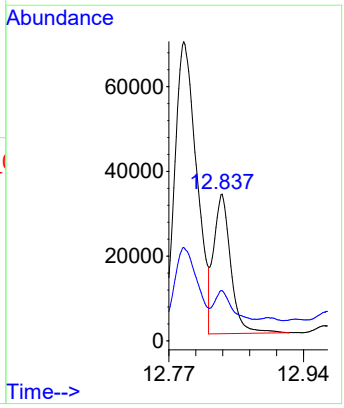


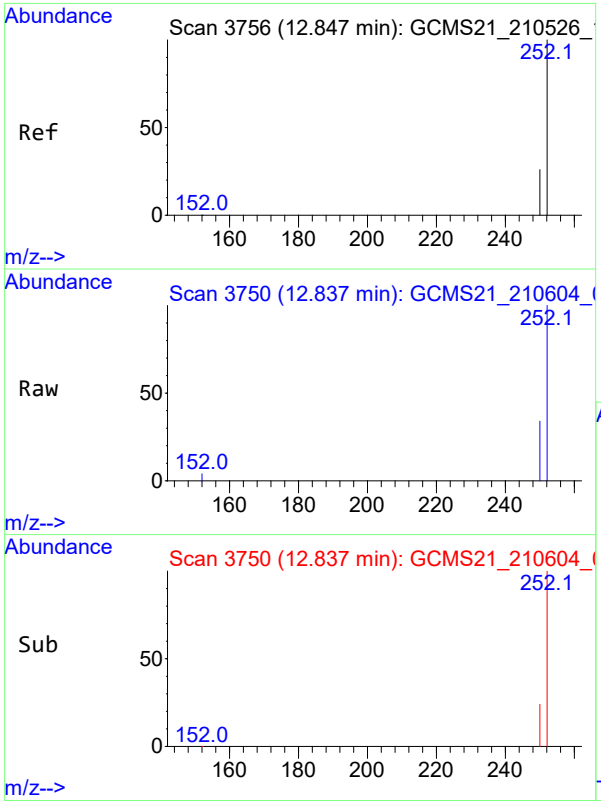


#23
Benzo(k)fluoranthene
Concen: 42.61 ng/mL
RT: 12.837 min Scan# 3750
Delta R.T. 0.014 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 51487

Ion	Ratio	Lower	Upper
252	100		
250	21.0	0.0	55.4

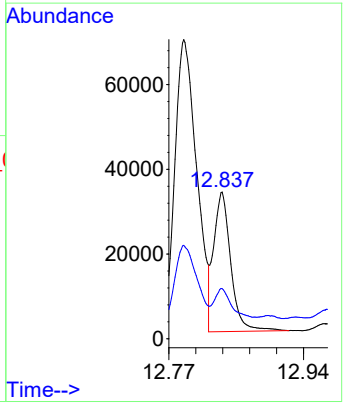


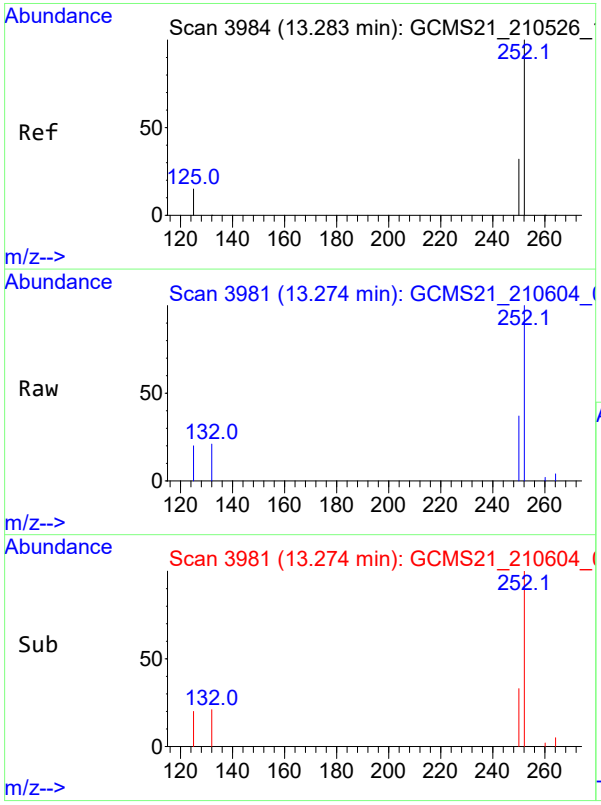


#24
benzo(b+k)fluoranthene (sum)
Concen: 43.46 ng/mL
RT: 12.837 min Scan# 3750
Delta R.T. 0.014 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 51487

Ion	Ratio	Lower	Upper
252	100		
250	34.0	0.0	55.4

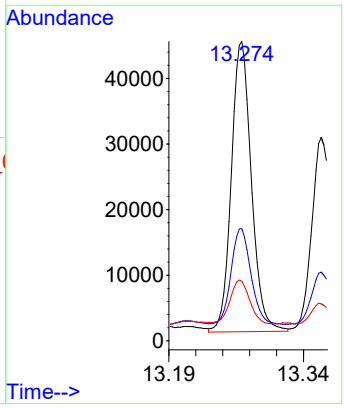


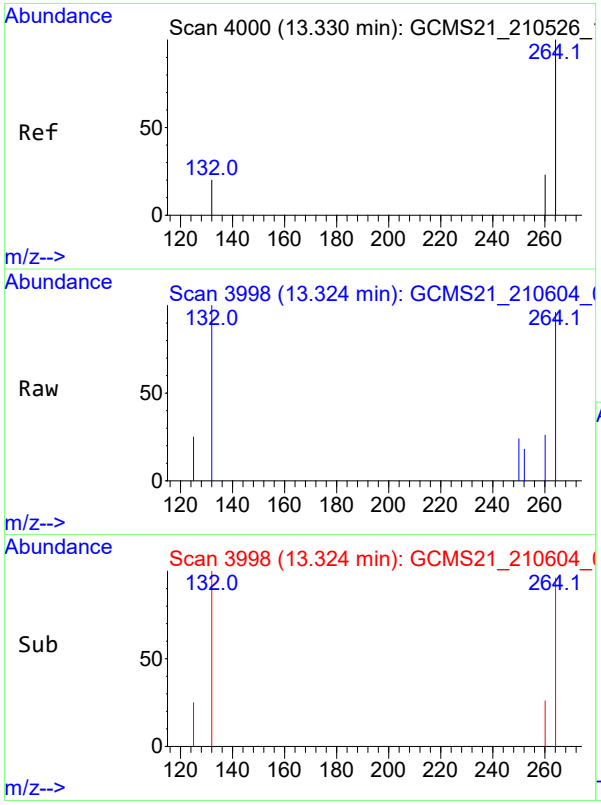


#25
Benzo(e)pyrene
Concen: 64.00 ng/mL
RT: 13.274 min Scan# 3981
Delta R.T. 0.015 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 70387

Ion	Ratio	Lower	Upper
252	100		
250	32.8	2.1	62.1
125	25.5	0.0	45.8

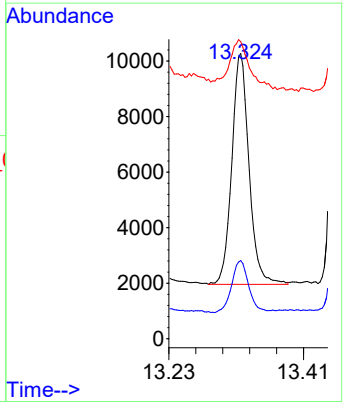


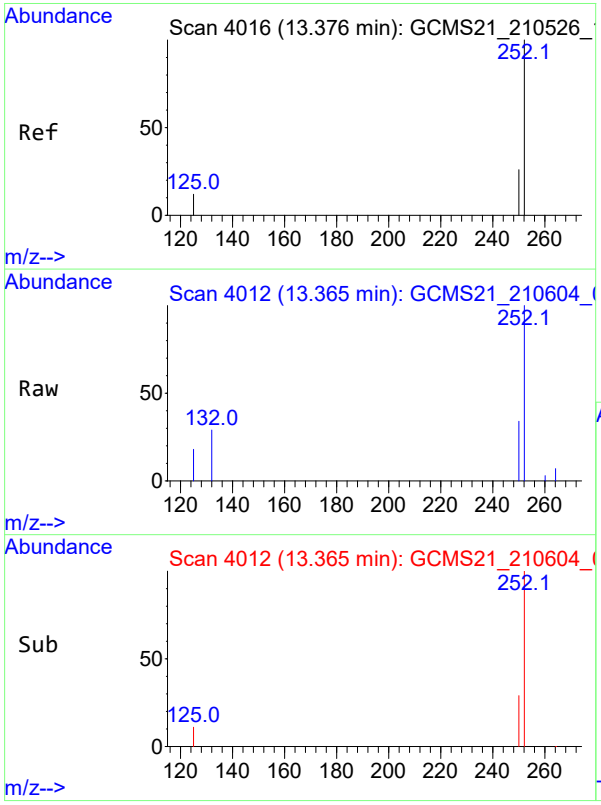


#26
Benzo(a)pyrene-D12
Concen: 15.85 ng/mL
RT: 13.324 min Scan# 3998
Delta R.T. 0.012 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:264 Resp: 13524

Ion	Ratio	Lower	Upper
264	100		
260	22.4	0.0	52.9
132	26.0	0.0	48.4

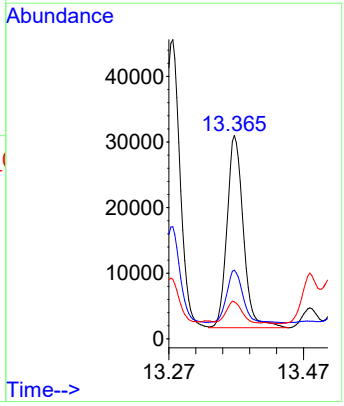


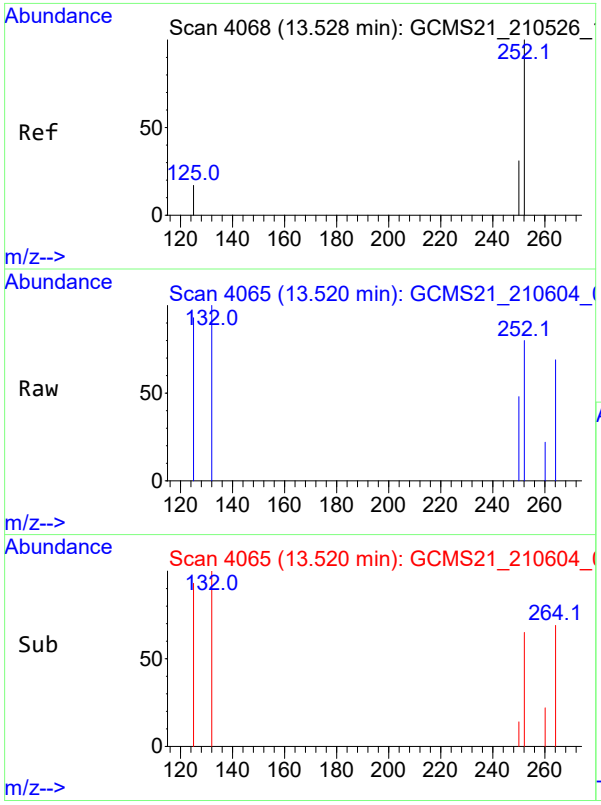


#27
Benzo(a)pyrene
Concen: 49.11 ng/mL
RT: 13.365 min Scan# 4012
Delta R.T. 0.015 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 48869

Ion	Ratio	Lower	Upper
252	100		
250	27.7	0.0	56.7
125	10.5	0.0	42.1

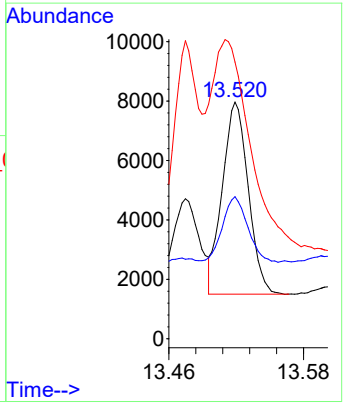


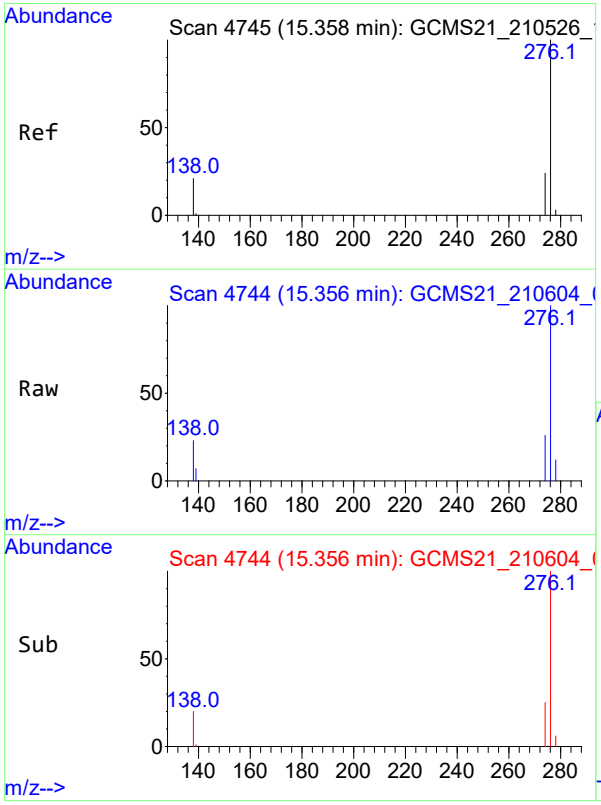


#28
Perylene
Concen: 9.21 ng/mL
RT: 13.520 min Scan# 4065
Delta R.T. 0.015 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:252 Resp: 10294

Ion	Ratio	Lower	Upper
252	100		
250	33.2	1.2	61.2
125	268.0	0.0	46.5#

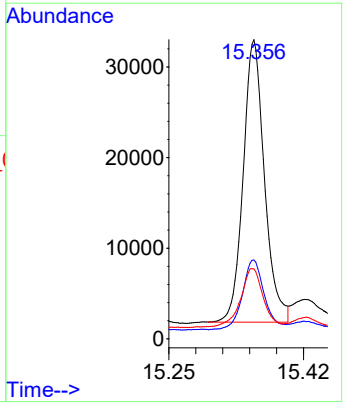


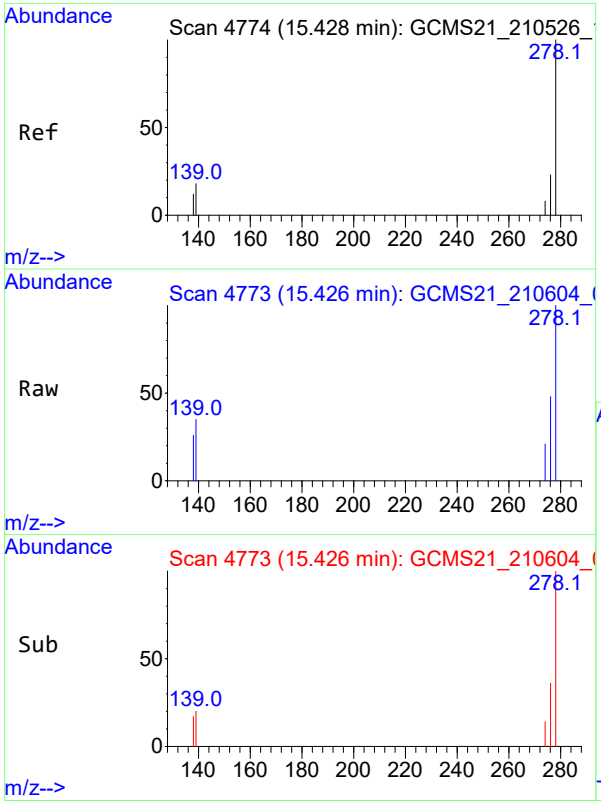


#29
Indeno(1,2,3-cd)pyrene
Concen: 69.07 ng/mL
RT: 15.356 min Scan# 4744
Delta R.T. 0.024 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:276 Resp: 58816

Ion	Ratio	Lower	Upper
276	100		
274	25.4	0.0	53.5
138	21.6	0.0	50.6

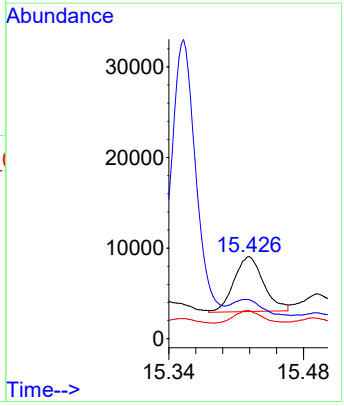


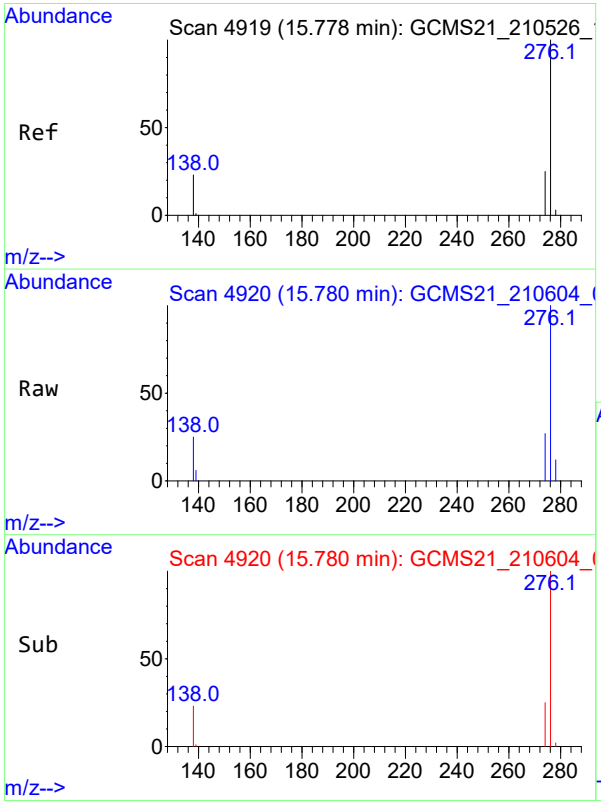


#30
Dibenz(a,h)anthracene
Concen: 15.64 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. 0.021 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:278 Resp: 13274

Ion	Ratio	Lower	Upper
278	100		
276	40.4	0.0	58.7
139	20.8	0.0	47.2

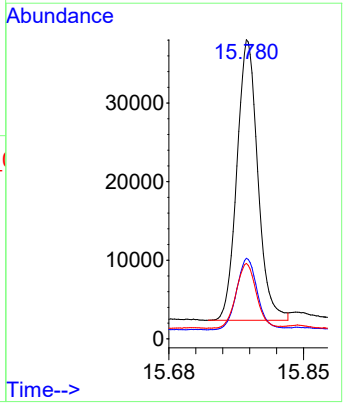




#31
Benzo(g,h,i)perylene
Concen: 59.72 ng/mL
RT: 15.780 min Scan# 4920
Delta R.T. 0.023 min
Lab File: GCMS21_210604_05.D
Acq: 04 Jun 2021 10:19

Tgt Ion:276 Resp: 66069

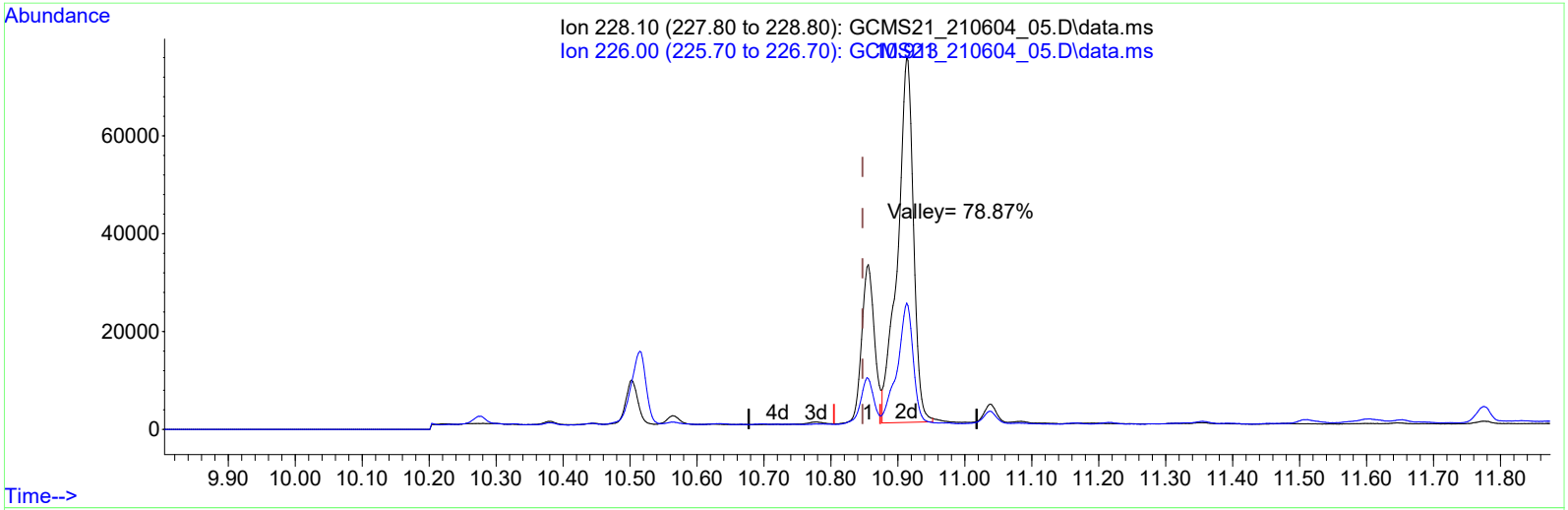
Ion	Ratio	Lower	Upper
276	100		
274	25.5	0.0	54.2
138	22.6	0.0	52.4

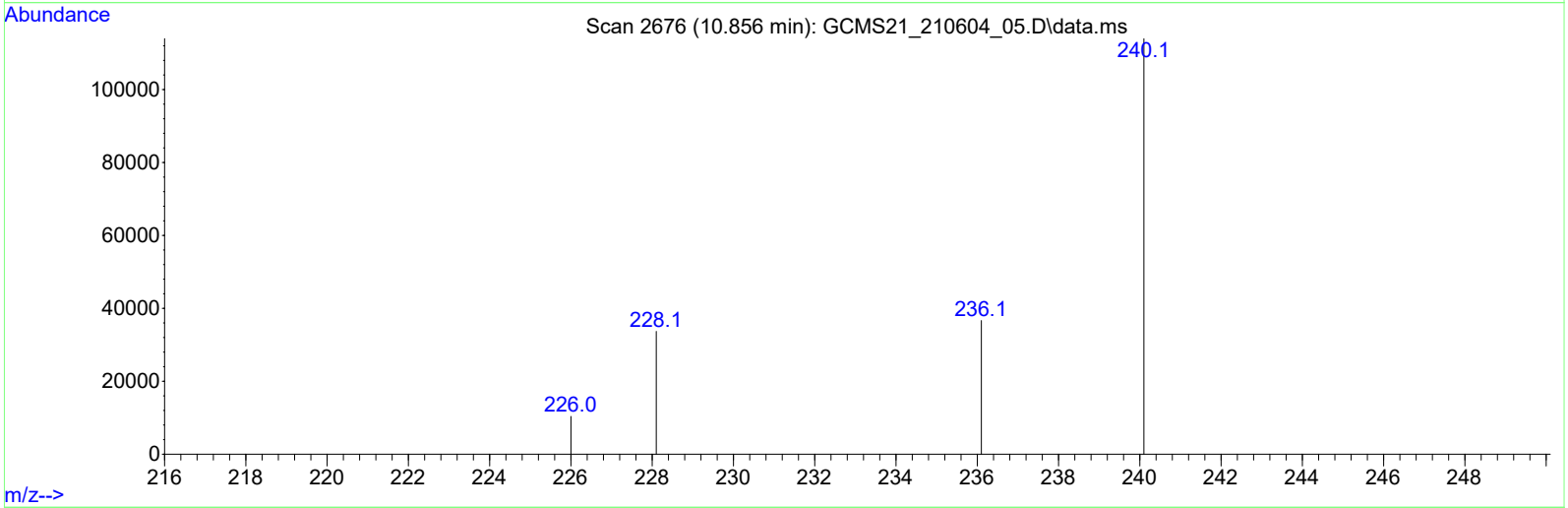


Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 604__B21E006\
Data File : GCMS21_210604_05.D
Acq On : 04 Jun 2021 10:19 am
Operator : MN GCMS21
Sample : 2105001-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:00:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210604_05.D\data.ms

(19) Benzo(a)anthracene (M)

10.856min (+ 0.008) 32.24 ng/mL

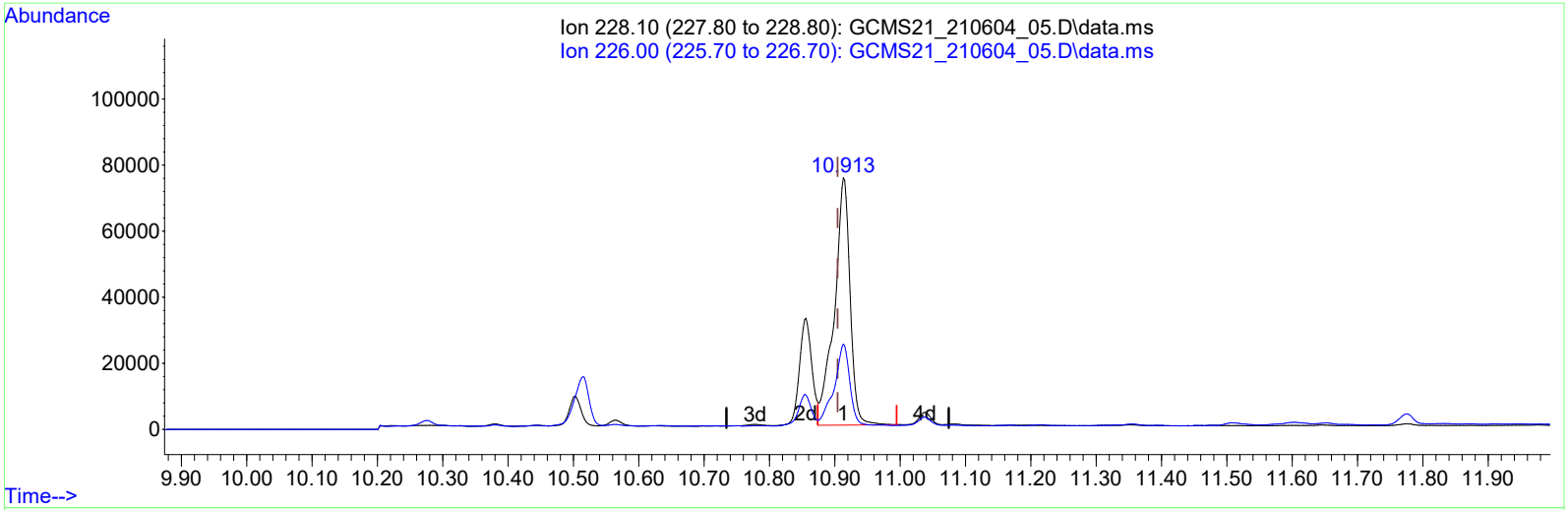
response 43399

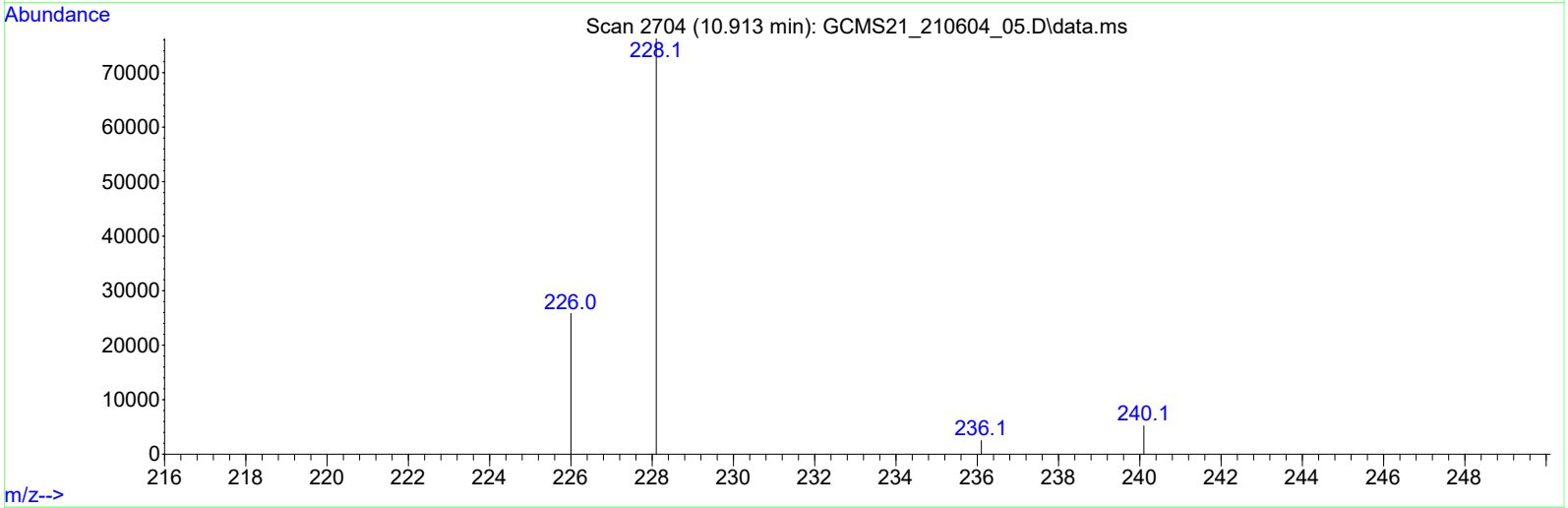
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.20	30.28
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 604__B21E006\
Data File : GCMS21_210604_05.D
Acq On : 04 Jun 2021 10:19 am
Operator : MN GCMS21
Sample : 2105001-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:00:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210604_05.D\data.ms

(20) Chrysene (M)

10.913min (+ 0.008) 75.42 ng/mL

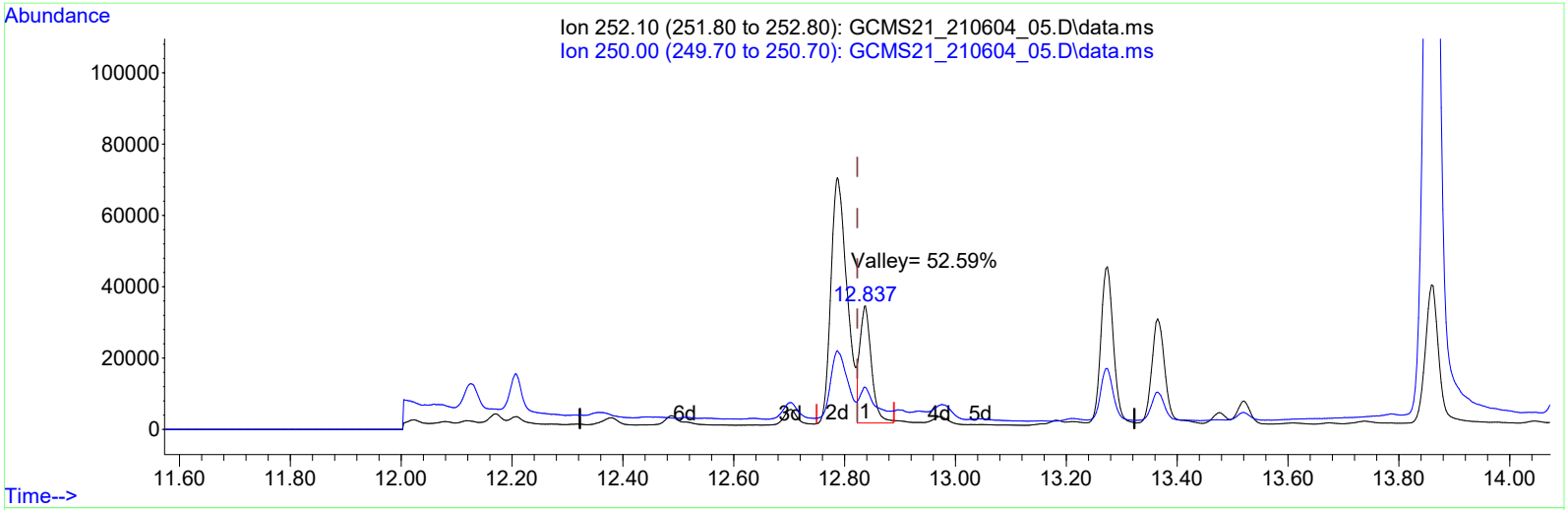
response 125332

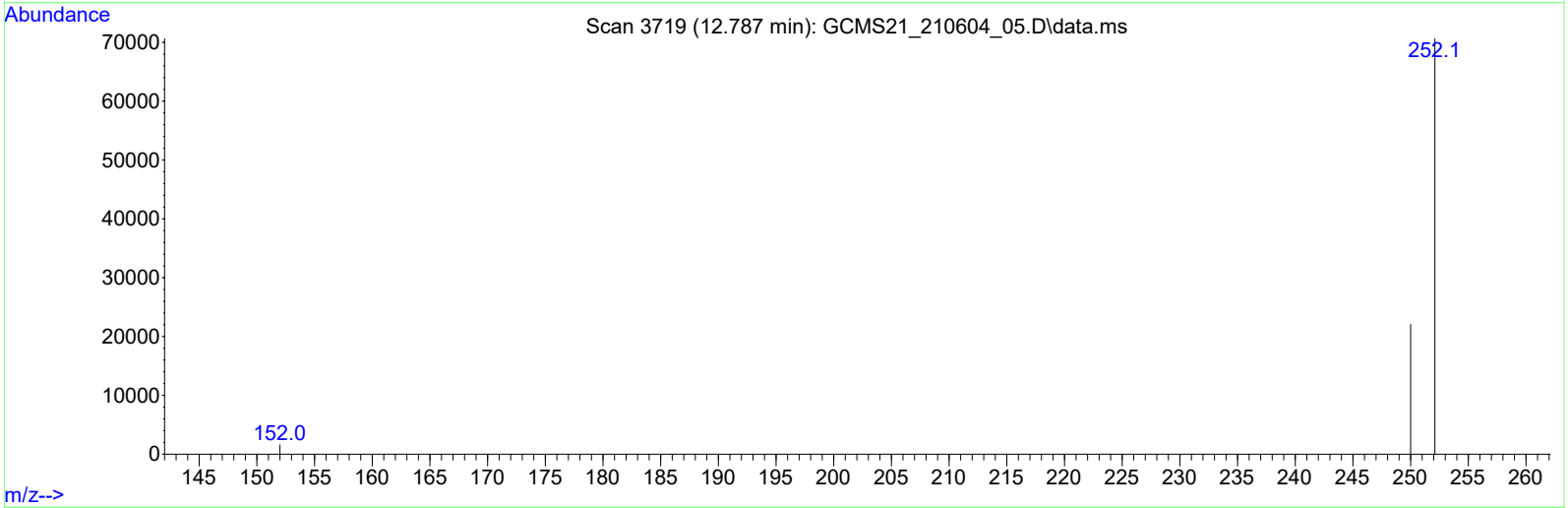
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	31.90	32.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 604__B21E006\
Data File : GCMS21_210604_05.D
Acq On : 04 Jun 2021 10:19 am
Operator : MN GCMS21
Sample : 2105001-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:00:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210604_05.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.787min (-0.036) 158.69 ng/mL m

response 188006

Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.40	9.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_06.D
Acq On : 04 Jun 2021 10:44
Operator : MN GCMS21
Sample : 2105001-01_reinject
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:01:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

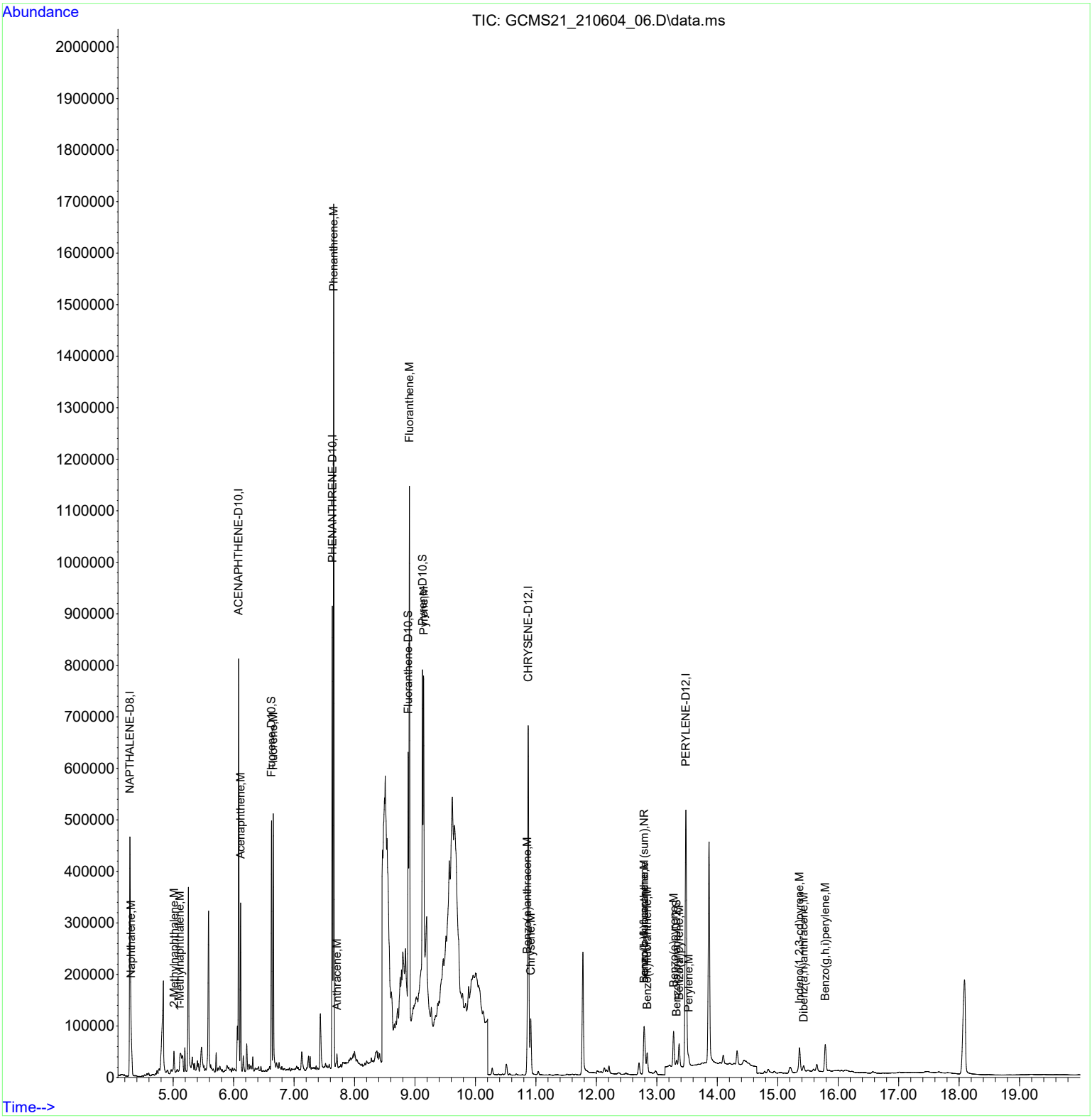
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.286	136	507329	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	307203	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.632	188	644659	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.872	240	687231	500.00	ng/mL	0.01
21) PERYLENE-D12	13.482	264	568400	500.00	ng/mL	0.02
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.627	176	188261	255.97	ng/mL	0.00
14) Fluoranthene-D10	8.890	212	298890	214.12	ng/mL	0.00
17) Pyrene-D10	9.124	212	380177	242.46	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.327	264	15098	16.35	ng/mL	0.01
Target Compounds						Qvalue
2) Naphthalene	4.304	128	23434	24.07	ng/mL	99
4) 2-Methylnaphthalene	5.013	142	17847	24.89	ng/mL	94
5) 1-Methylnaphthalene	5.112	142	9580	16.04	ng/mL#	82
7) Acenaphthylene	0.000		0	N.D.	d	
8) Acenaphthene	6.116	153	86798	111.21	ng/mL	98
10) Fluorene	6.656	166	175945	203.67	ng/mL	100
12) Phenanthrene	7.655	178	988496	635.34	ng/mL	99
13) Anthracene	7.709	178	21757	16.82	ng/mL	81
15) Fluoranthene	8.907	202	624177	380.12	ng/mL	98
18) Pyrene	9.144	202	357998	195.46	ng/mL#	17
19) Benzo(a)anthracene	10.856	228	47477	34.35	ng/mL	100
20) Chrysene	10.915	228	128545	75.32	ng/mL	99
22) Benzo(b)fluoranthene	12.790	252	144314	122.31	ng/mL	95
23) Benzo(k)fluoranthene	12.841	252	50244	38.42	ng/mL	99
24) benzo(b+k)fluoranthene...	12.790	252	197791m	154.28	ng/mL	
25) Benzo(e)pyrene	13.277	252	71395	59.99	ng/mL	91
27) Benzo(a)pyrene	13.368	252	52867	49.10	ng/mL	97
28) Perylene	13.526	252	11633	9.62	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.358	276	59722	64.81	ng/mL	97
30) Dibenz(a,h)anthracene	15.428	278	13492	14.69	ng/mL	86
31) Benzo(g,h,i)perylene	15.785	276	64574	53.94	ng/mL	99

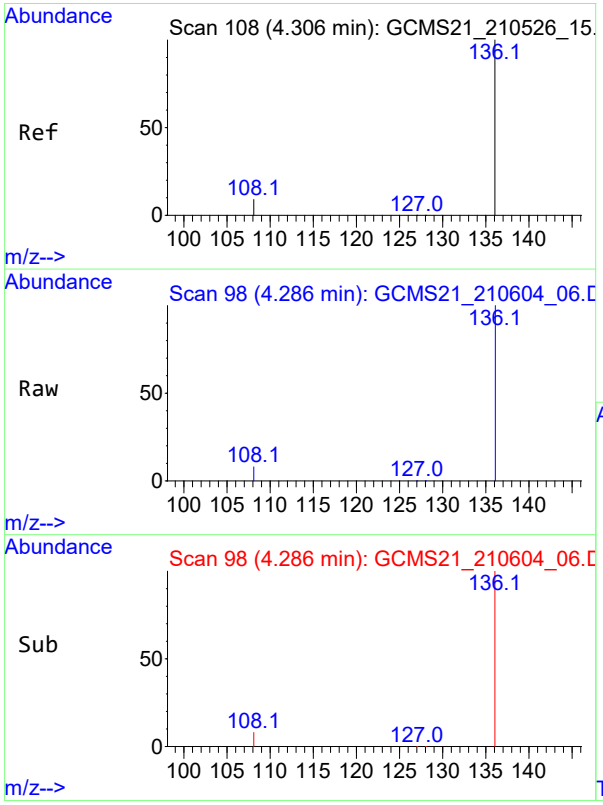
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_06.D
Acq On : 04 Jun 2021 10:44
Operator : MN GCMS21
Sample : 2105001-01_reinject
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:01:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

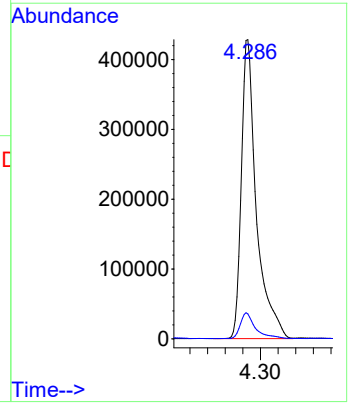


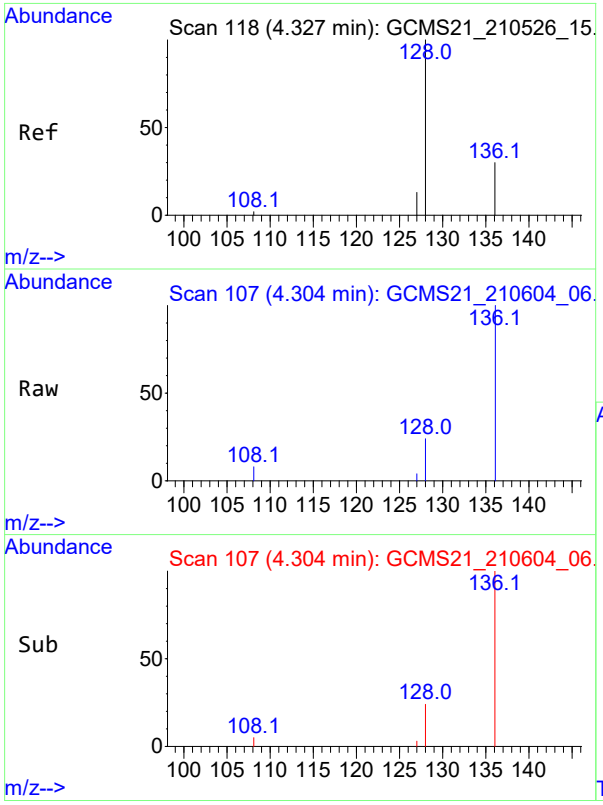


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.286 min Scan# 98
Delta R.T. -0.002 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:136 Resp: 507329

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	28.6

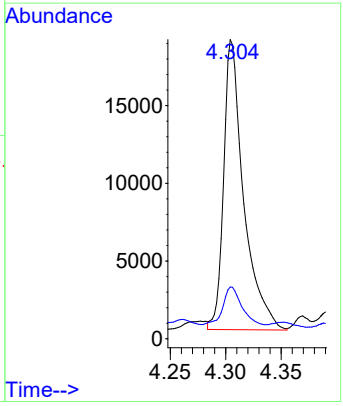


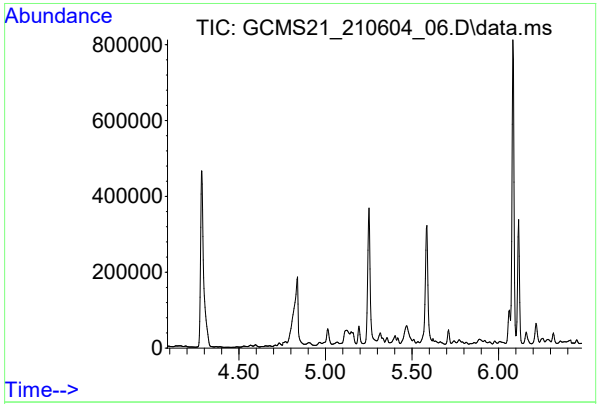


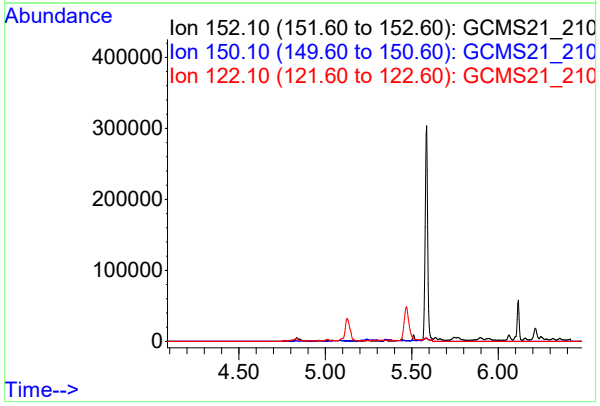
#2
Naphthalene
Concen: 24.07 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.004 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:128 Resp: 23434

Ion	Ratio	Lower	Upper
128	100		
127	12.9	0.0	43.4





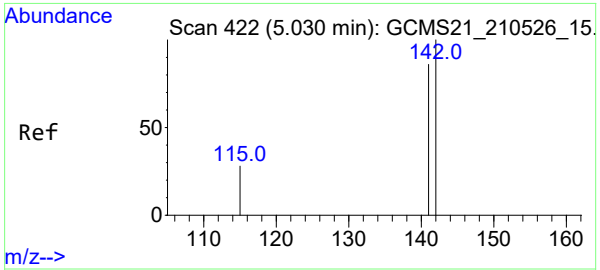


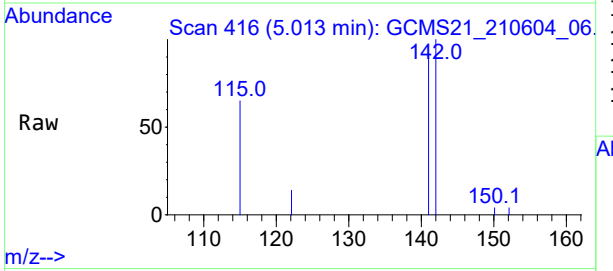
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.98 min

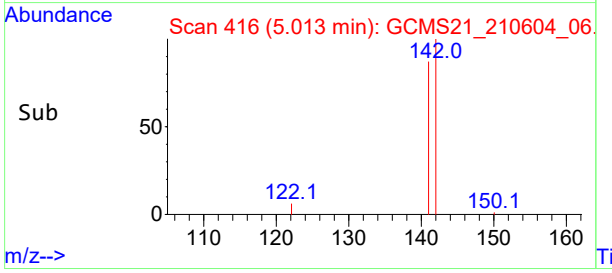
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.8



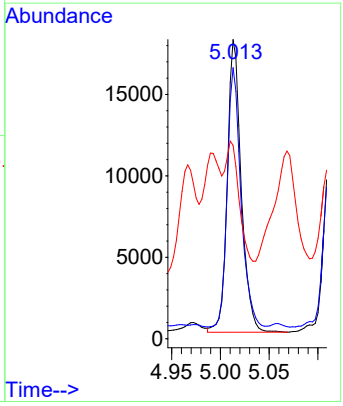


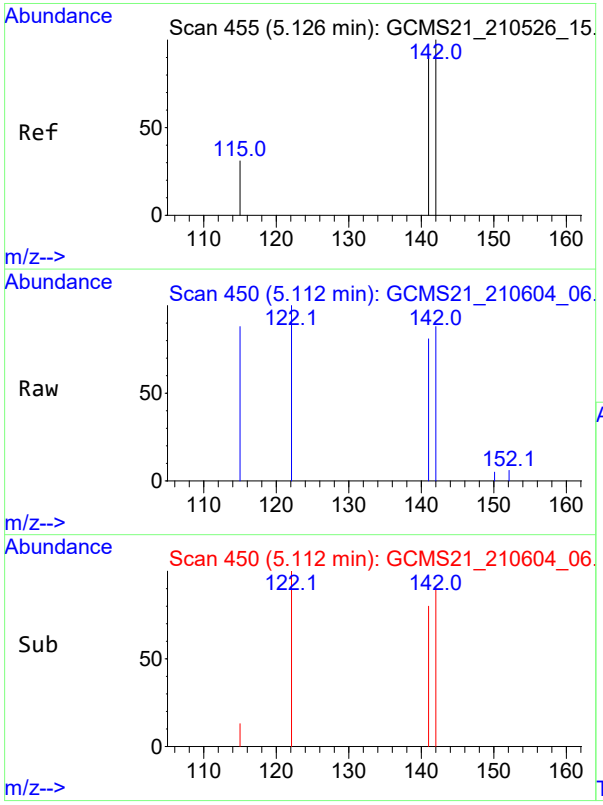


#4
2-Methylnaphthalene
Concen: 24.89 ng/mL
RT: 5.013 min Scan# 416
Delta R.T. -0.000 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:142 Resp: 17847

Ion	Ratio	Lower	Upper
142	100		
141	87.1	56.9	116.9
115	40.1	0.0	57.7

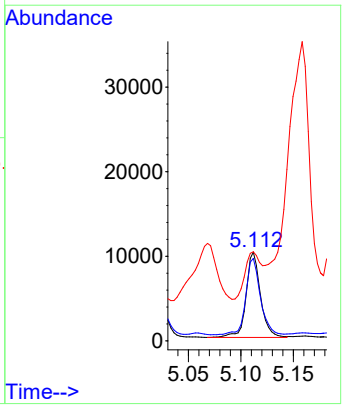


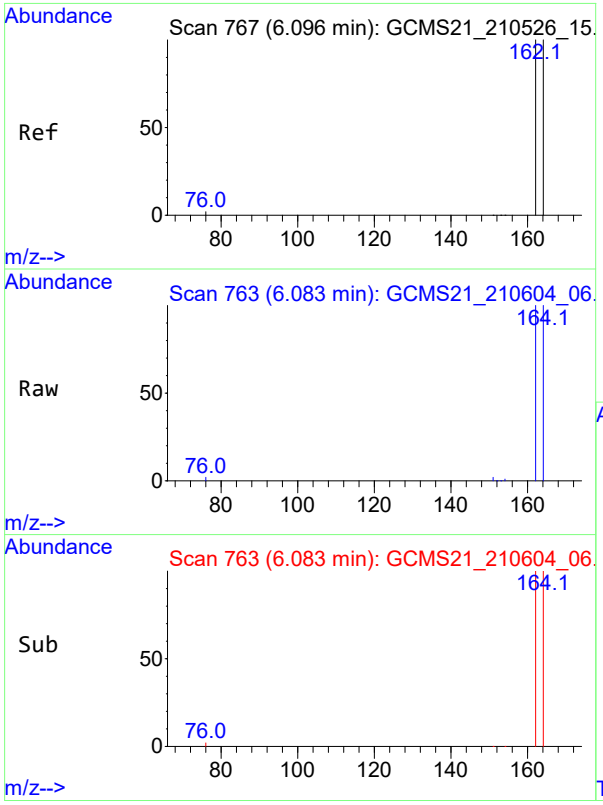


#5
1-Methylnaphthalene
Concen: 16.04 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:142 Resp: 9580

Ion	Ratio	Lower	Upper
142	100		
141	90.7	57.9	117.9
115	60.8	0.0	57.0#

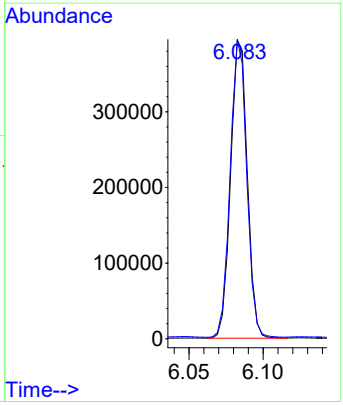


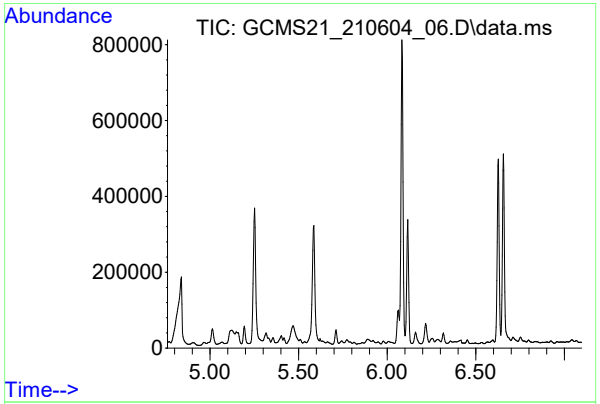


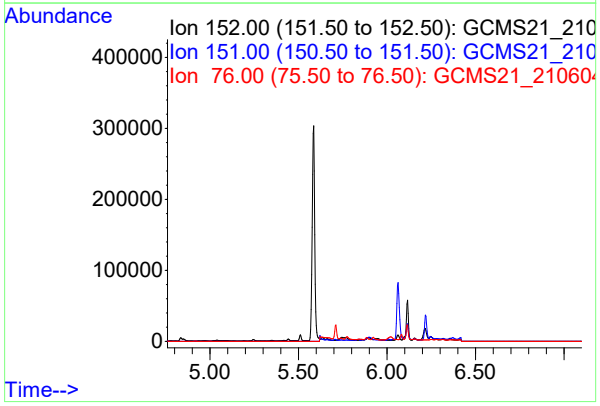
#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:164 Resp: 307203

Ion	Ratio	Lower	Upper
164	100		
162	99.3	81.0	121.0





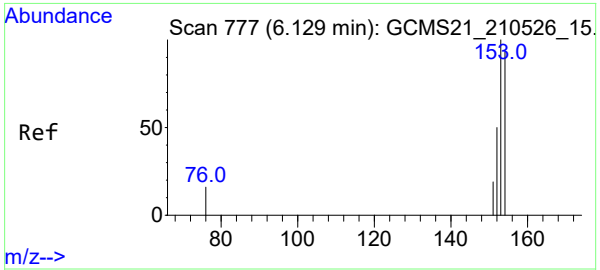


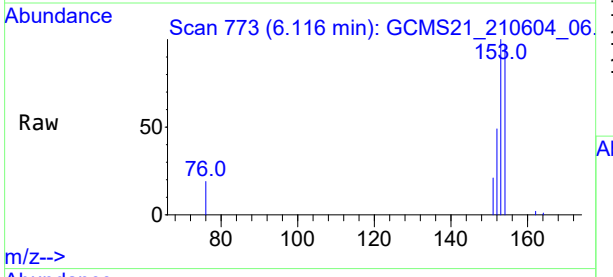
#7
Acenaphthylene
Concen: N.D.
Expected RT: 5.93 min

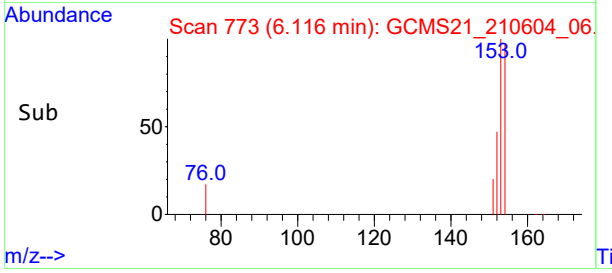
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	21.0
76	8.6



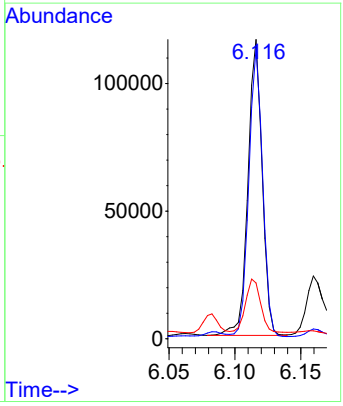


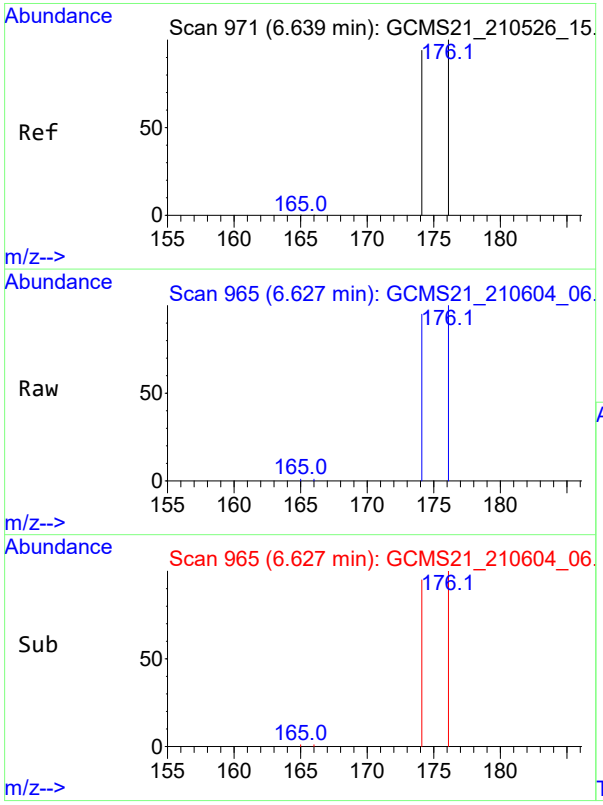


#8
Acenaphthene
Concen: 111.21 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:153 Resp: 86798

Ion	Ratio	Lower	Upper
153	100		
154	94.4	63.7	123.7
76	20.4	0.0	45.2

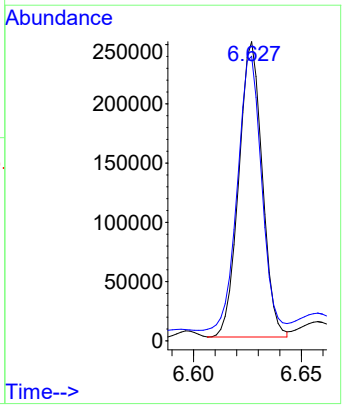


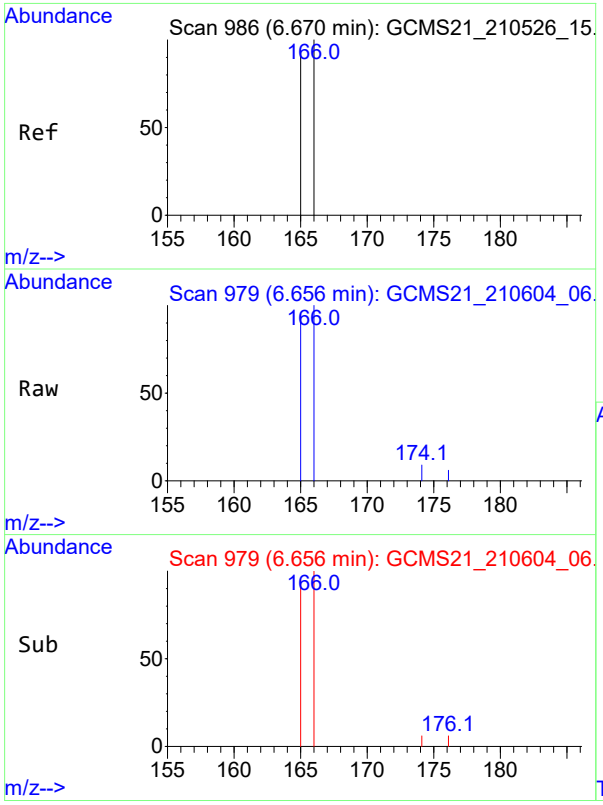


#9
Fluorene-D10
Concen: 255.97 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. 0.004 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:176 Resp: 188261

Ion	Ratio	Lower	Upper
176	100		
174	96.9	63.9	123.9

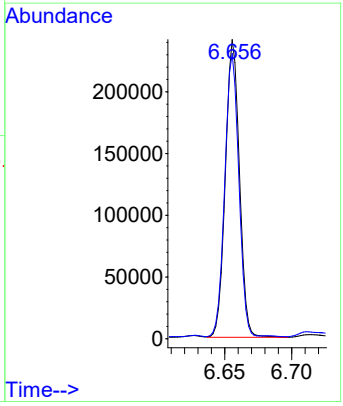


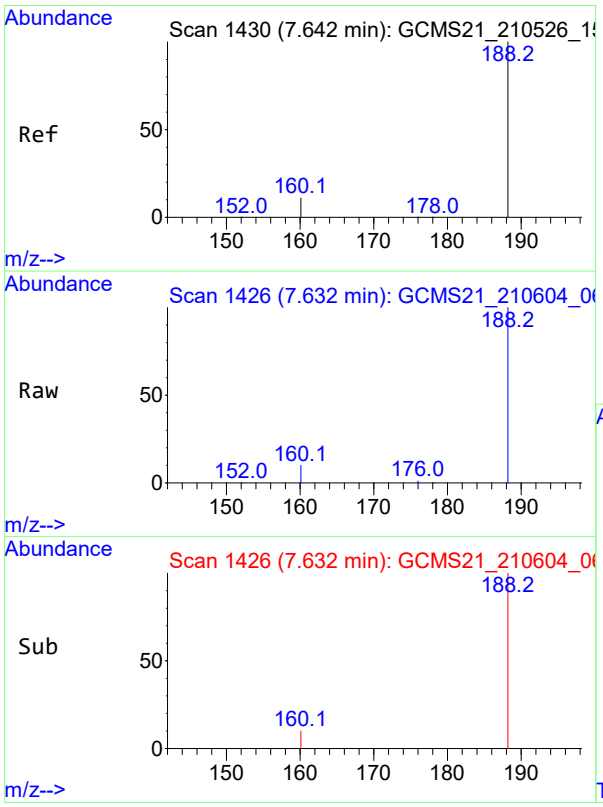


#10
Fluorene
Concen: 203.67 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. 0.004 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:166 Resp: 175945

Ion	Ratio	Lower	Upper
166	100		
165	94.7	65.1	125.1

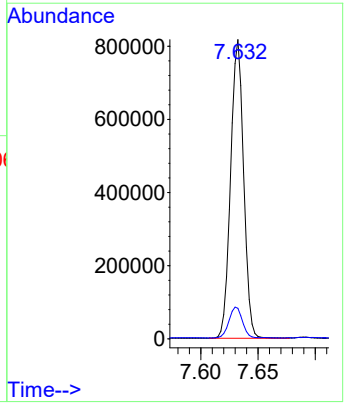


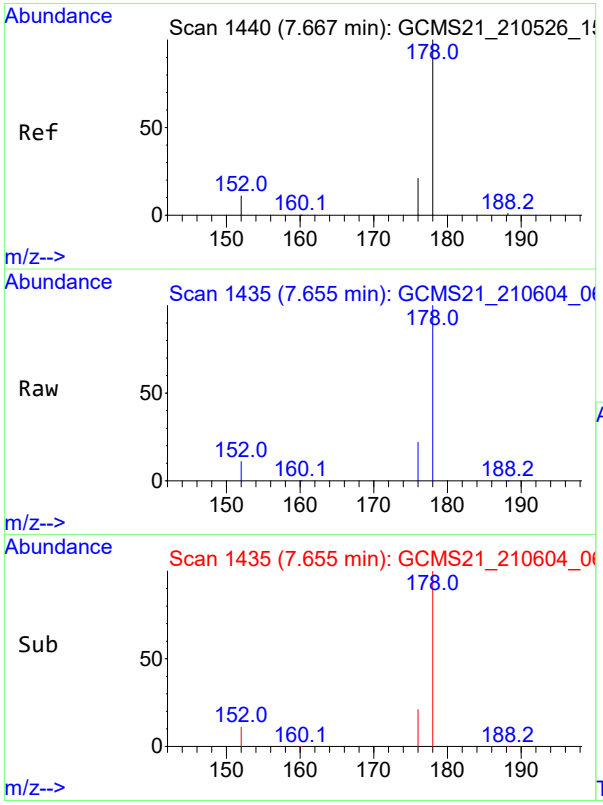


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.632 min Scan# 1426
Delta R.T. 0.005 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:188 Resp: 644659

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

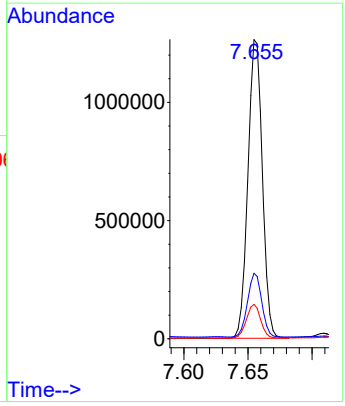


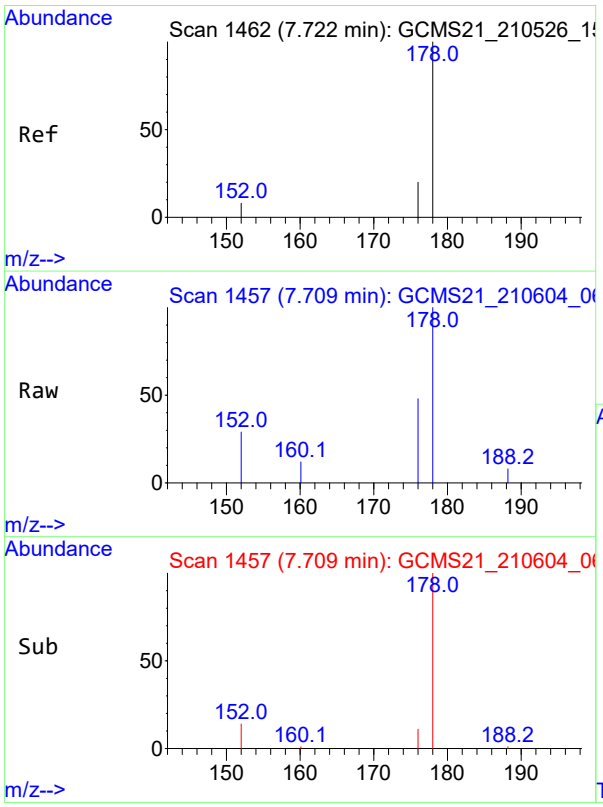


#12
Phenanthrene
Concen: 635.34 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. 0.005 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:178 Resp: 988496

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	11.0	0.0	40.5

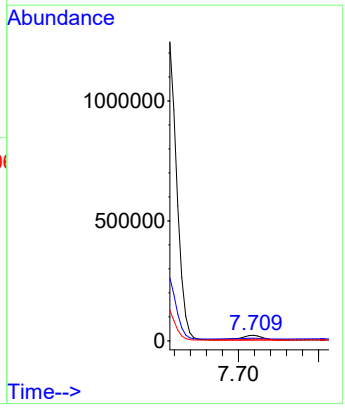


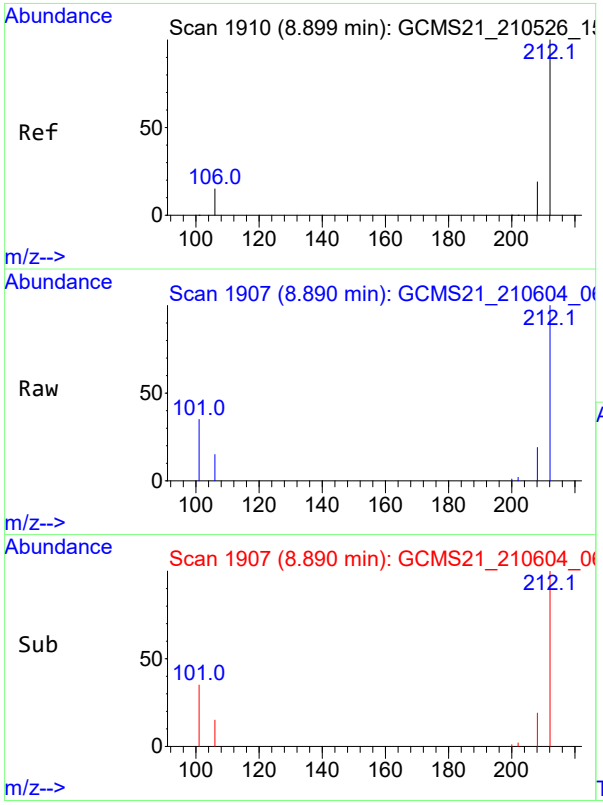


#13
Anthracene
Concen: 16.82 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:178 Resp: 21757

Ion	Ratio	Lower	Upper
178	100		
176	14.7	0.0	50.0
152	21.2	0.0	38.2

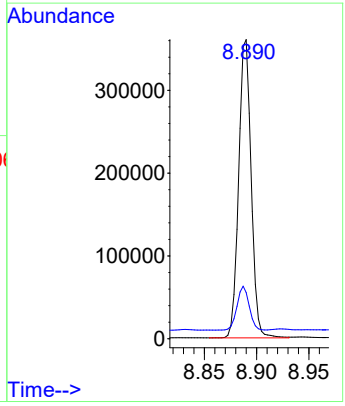


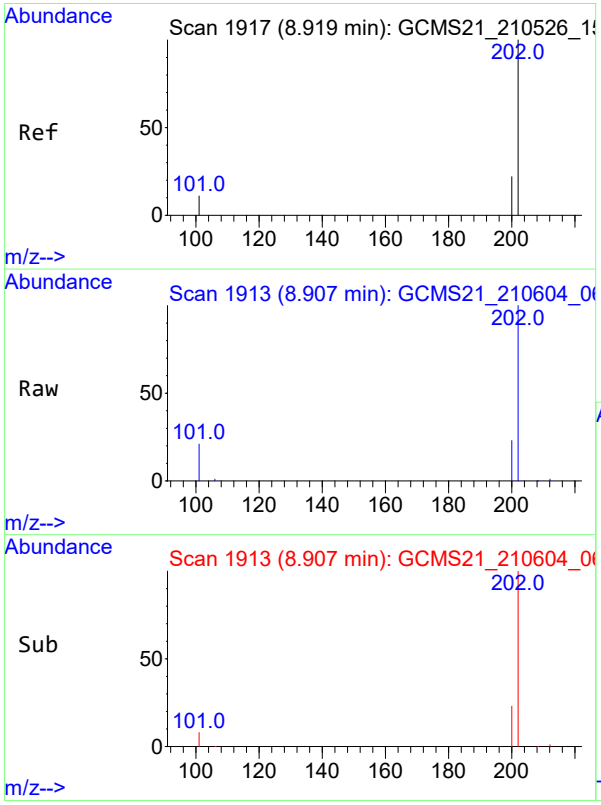


#14
Fluoranthene-D10
Concen: 214.12 ng/mL
RT: 8.890 min Scan# 1907
Delta R.T. 0.009 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:212 Resp: 298890

Ion	Ratio	Lower	Upper
212	100		
106	14.4	0.0	43.1

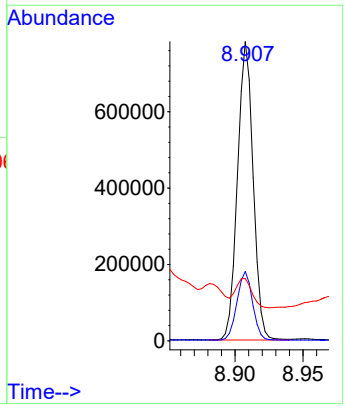


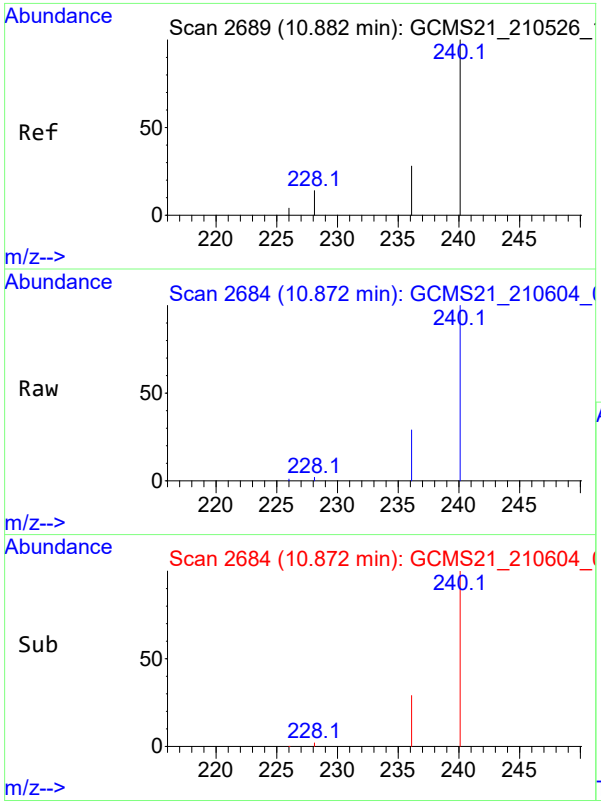


#15
Fluoranthene
Concen: 380.12 ng/mL
RT: 8.907 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:202 Resp: 624177

Ion	Ratio	Lower	Upper
202	100		
200	23.1	0.0	53.3
101	10.0	0.0	41.8

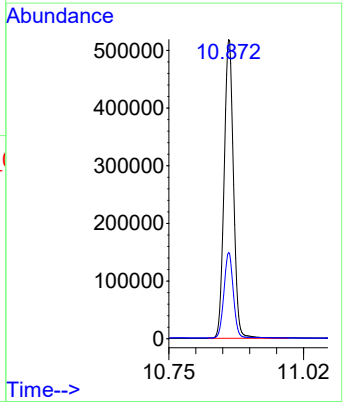


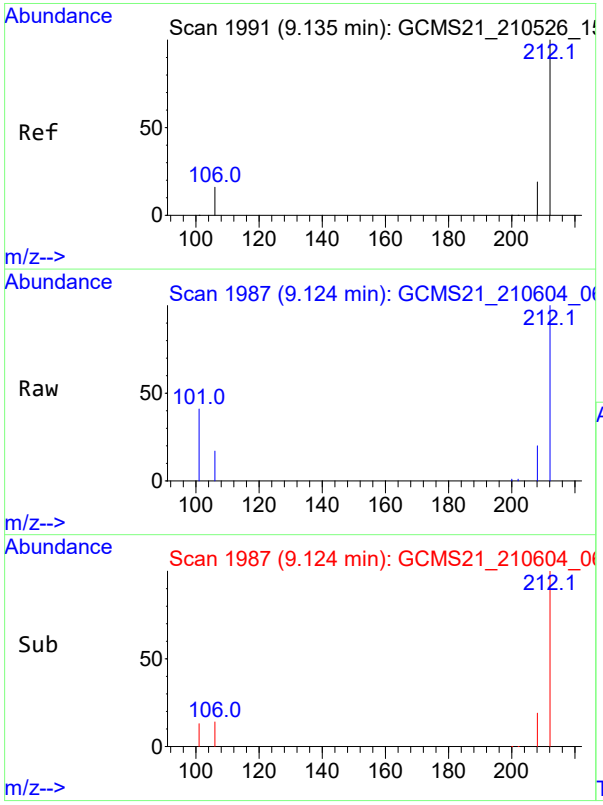


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. 0.010 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:240 Resp: 687231

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

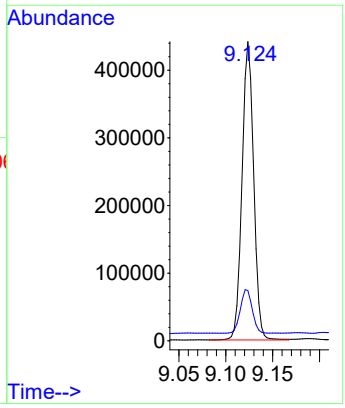


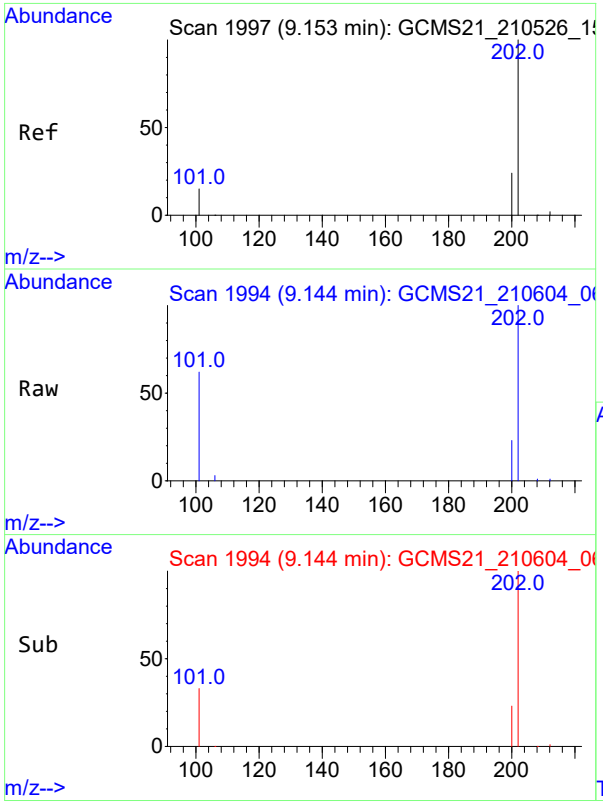


#17
Pyrene-D10
Concen: 242.46 ng/mL
RT: 9.124 min Scan# 1987
Delta R.T. 0.004 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:212 Resp: 380177

Ion	Ratio	Lower	Upper
212	100		
106	14.8	0.0	46.3

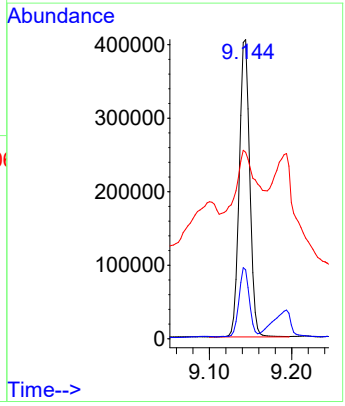


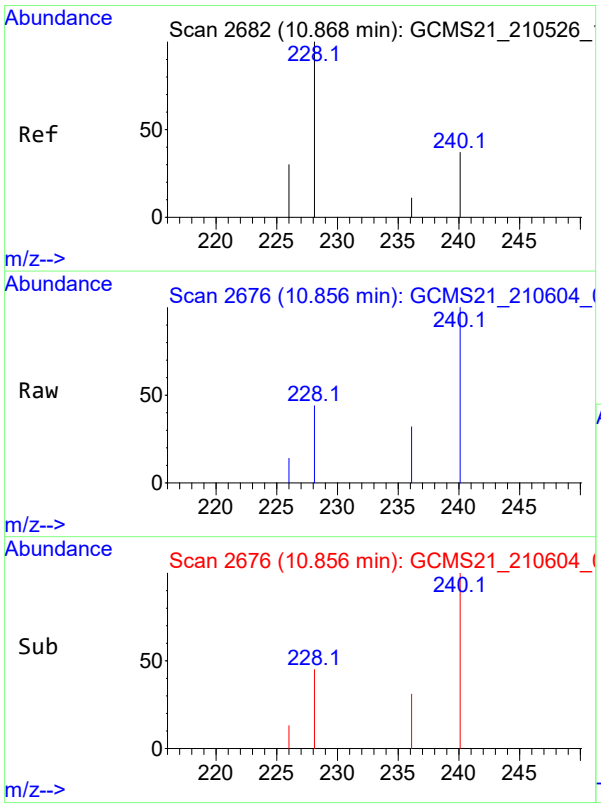


#18
Pyrene
Concen: 195.46 ng/mL
RT: 9.144 min Scan# 1994
Delta R.T. 0.004 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:202 Resp: 357998

Ion	Ratio	Lower	Upper
202	100		
200	23.7	0.0	53.3
101	104.3	0.0	43.2#

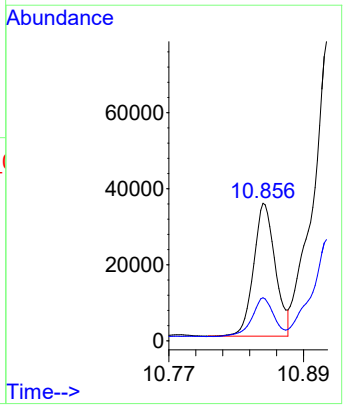


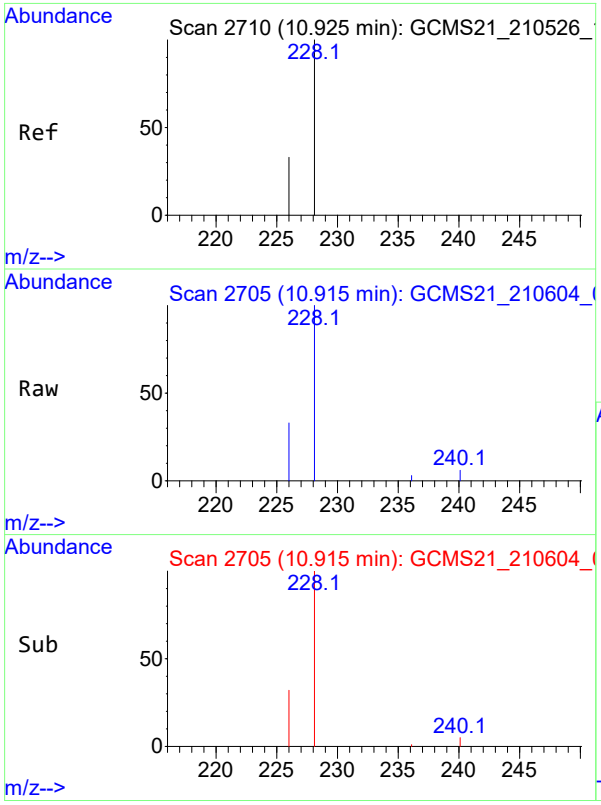


#19
Benzo(a)anthracene
Concen: 34.35 ng/mL
RT: 10.856 min Scan# 2676
Delta R.T. 0.008 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:228 Resp: 47477

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.2

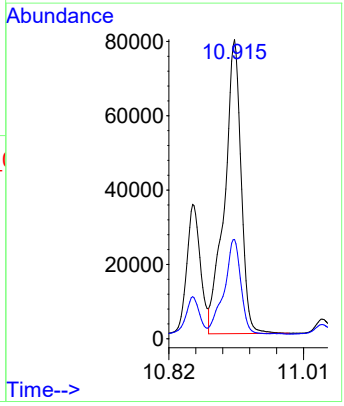


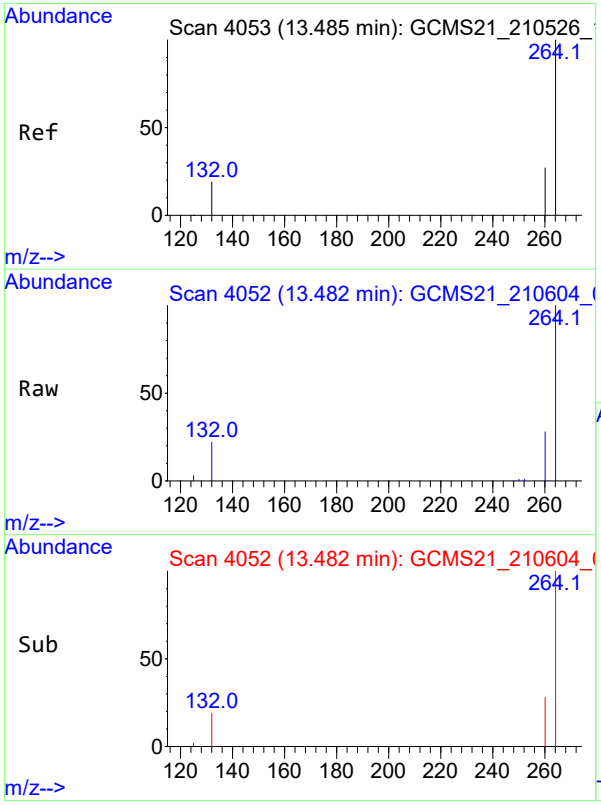


#20
Chrysene
Concen: 75.32 ng/mL
RT: 10.915 min Scan# 2705
Delta R.T. 0.010 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:228 Resp: 128545

Ion	Ratio	Lower	Upper
228	100		
226	32.6	1.9	61.9

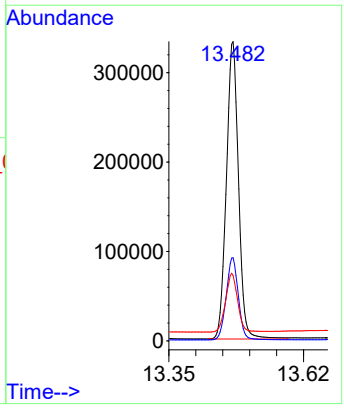


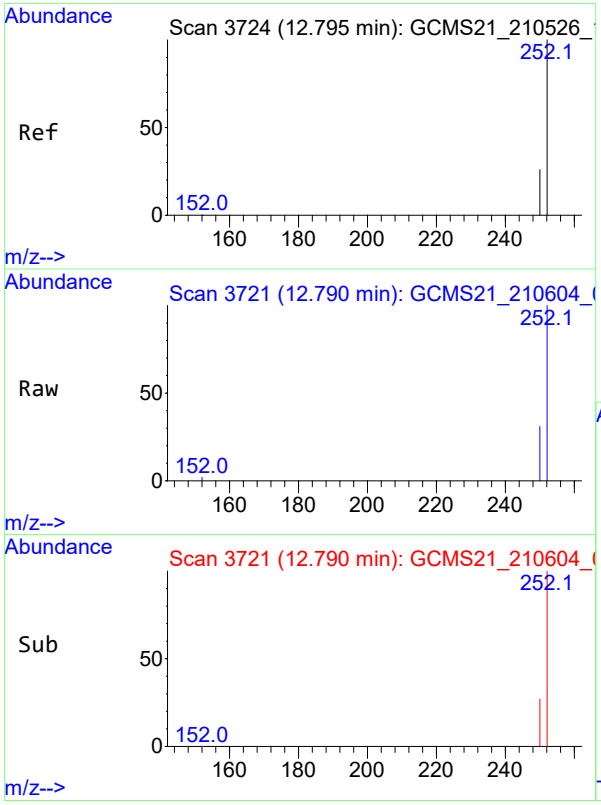


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. 0.020 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:264 Resp: 568400

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.7
132	19.5	0.0	49.0

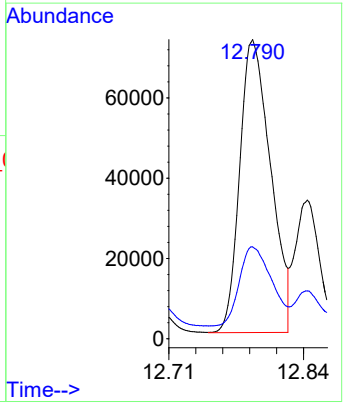


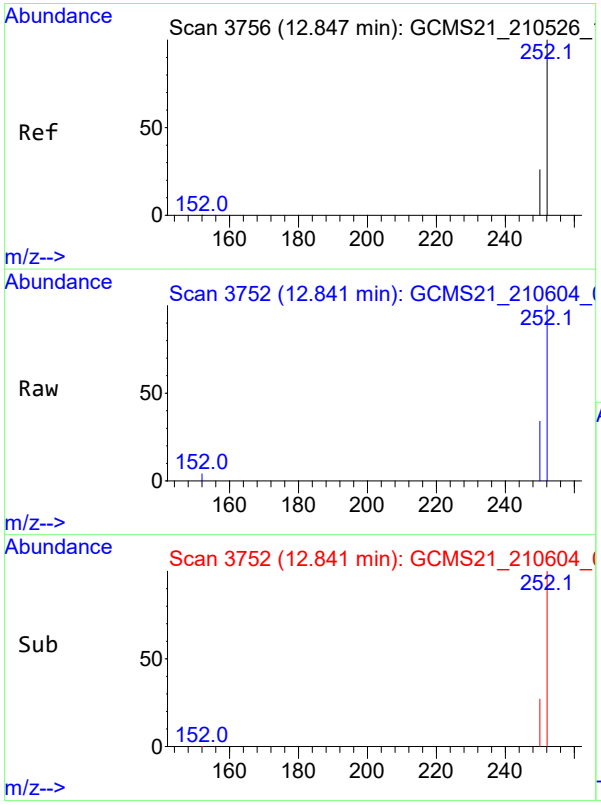


#22
Benzo(b)fluoranthene
Concen: 122.31 ng/mL
RT: 12.790 min Scan# 3721
Delta R.T. 0.018 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:252 Resp: 144314

Ion	Ratio	Lower	Upper
252	100		
250	28.5	0.0	56.1

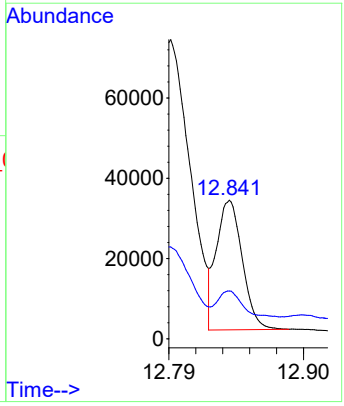


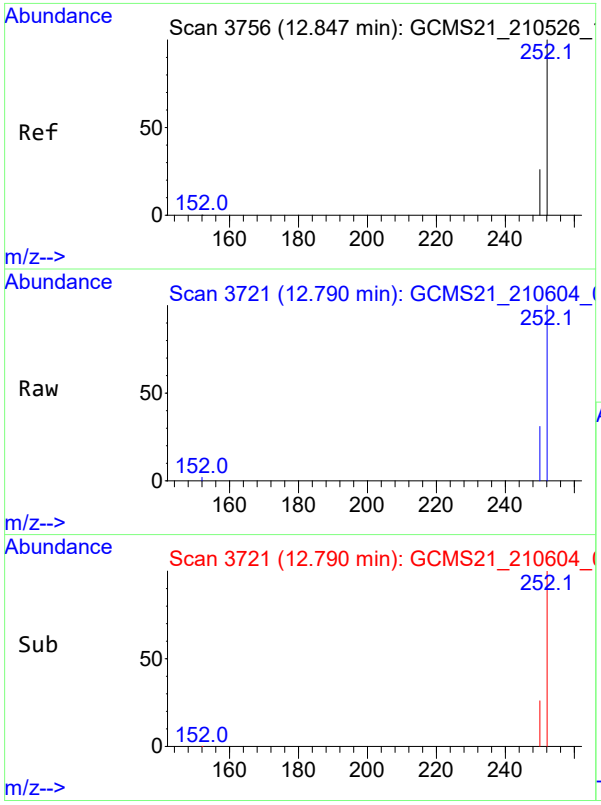


#23
Benzo(k)fluoranthene
Concen: 38.42 ng/mL
RT: 12.841 min Scan# 3752
Delta R.T. 0.018 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:252 Resp: 50244

Ion	Ratio	Lower	Upper
252	100		
250	25.1	0.0	55.4

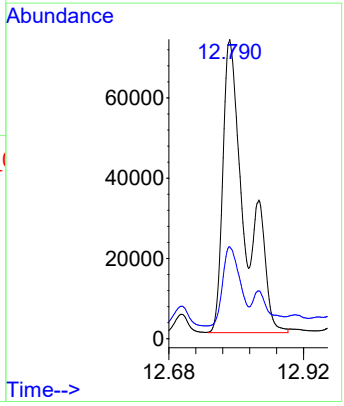


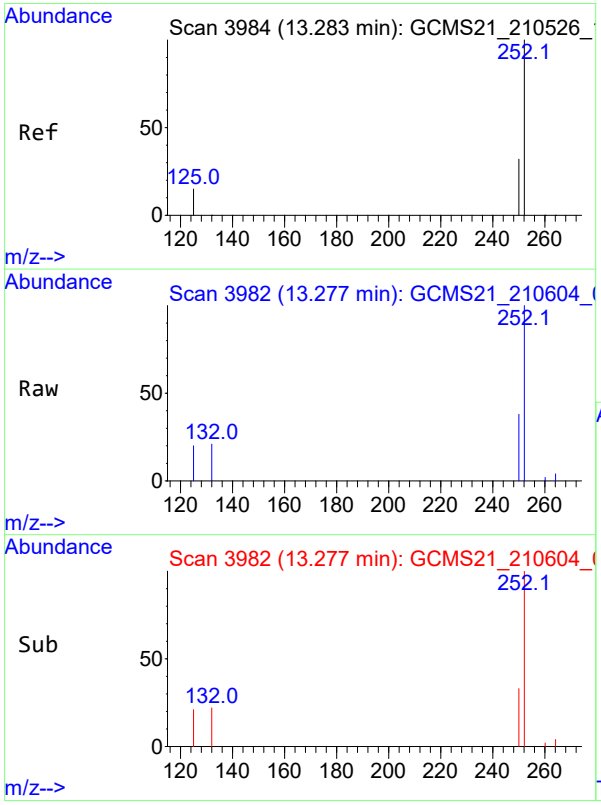


#24
benzo(b+k)fluoranthene (sum)
Concen: 154.28 ng/mL m
RT: 12.790 min Scan# 3721
Delta R.T. -0.033 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:252 Resp: 197791

Ion	Ratio	Lower	Upper
252	100		
250	9.4	0.0	55.4

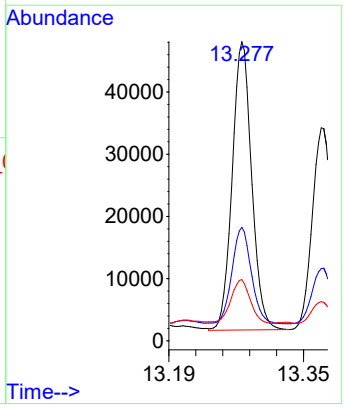


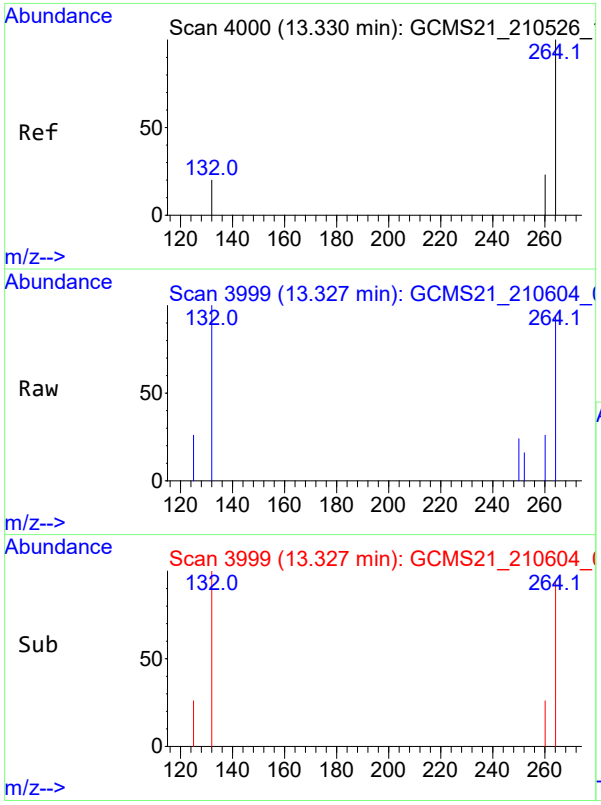


#25
Benzo(e)pyrene
Concen: 59.99 ng/mL
RT: 13.277 min Scan# 3982
Delta R.T. 0.018 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:252 Resp: 71395

Ion	Ratio	Lower	Upper
252	100		
250	34.0	2.1	62.1
125	24.0	0.0	45.8

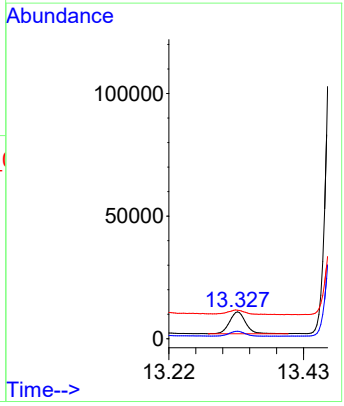


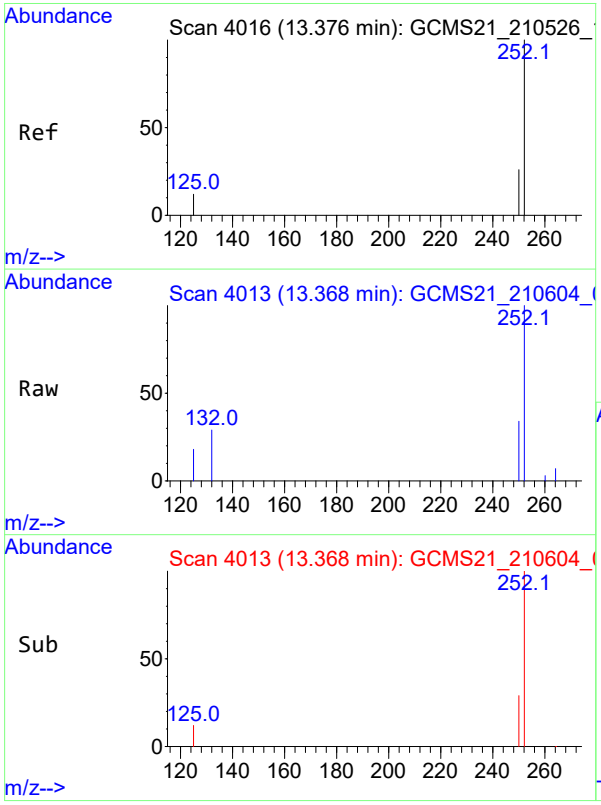


#26
Benzo(a)pyrene-D12
Concen: 16.35 ng/mL
RT: 13.327 min Scan# 3999
Delta R.T. 0.015 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:264 Resp: 15098

Ion	Ratio	Lower	Upper
264	100		
260	21.7	0.0	52.9
132	20.1	0.0	48.4

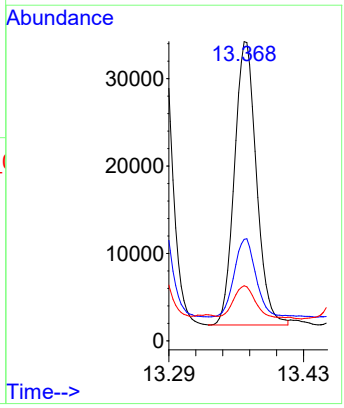


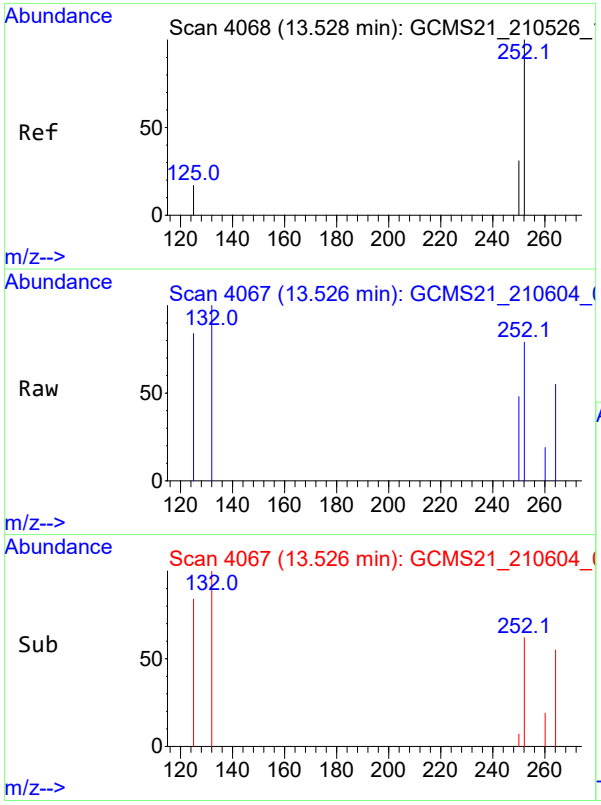


#27
Benzo(a)pyrene
Concen: 49.10 ng/mL
RT: 13.368 min Scan# 4013
Delta R.T. 0.018 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:252 Resp: 52867

Ion	Ratio	Lower	Upper
252	100		
250	27.9	0.0	56.7
125	10.8	0.0	42.1

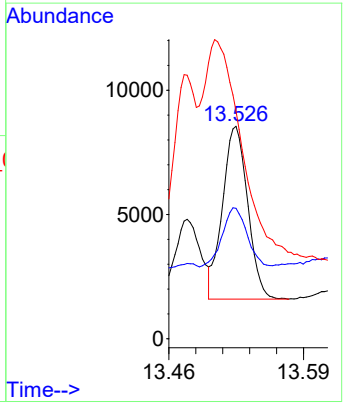


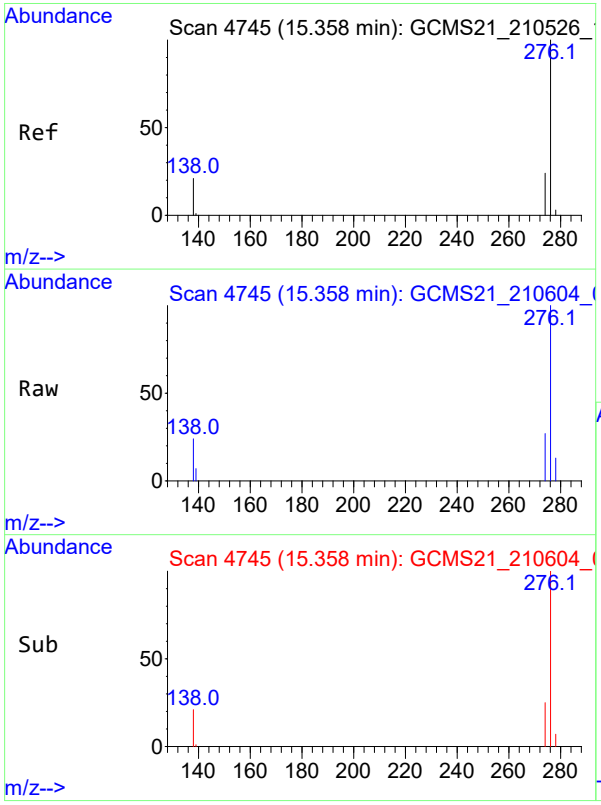


#28
Perylene
Concen: 9.62 ng/mL
RT: 13.526 min Scan# 4067
Delta R.T. 0.020 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:252 Resp: 11633

Ion	Ratio	Lower	Upper
252	100		
250	33.6	1.2	61.2
125	204.5	0.0	46.5#

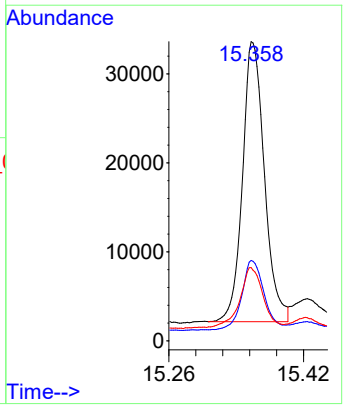


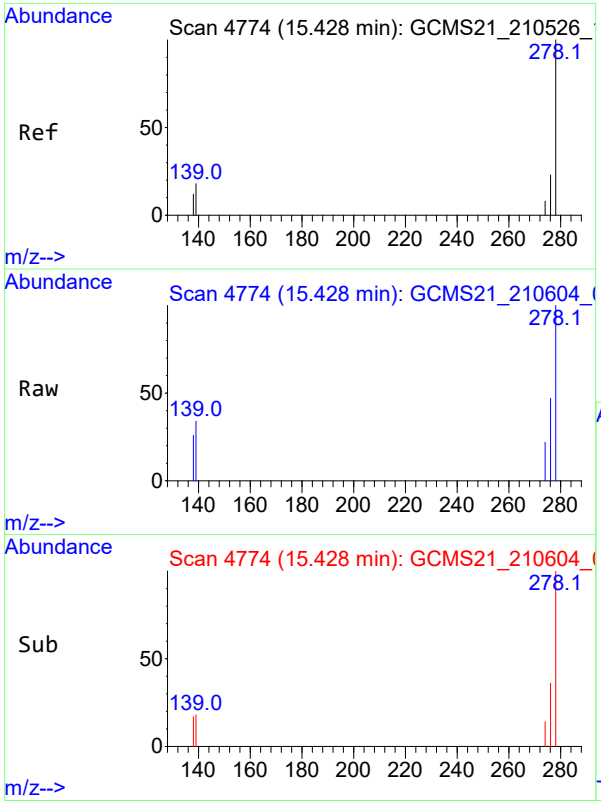


#29
Indeno(1,2,3-cd)pyrene
Concen: 64.81 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.026 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:276 Resp: 59722

Ion	Ratio	Lower	Upper
276	100		
274	25.1	0.0	53.5
138	22.4	0.0	50.6

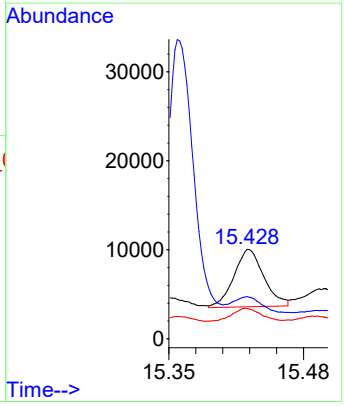




#30
Dibenz(a,h)anthracene
Concen: 14.69 ng/mL
RT: 15.428 min Scan# 4774
Delta R.T. 0.024 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:278 Resp: 13492

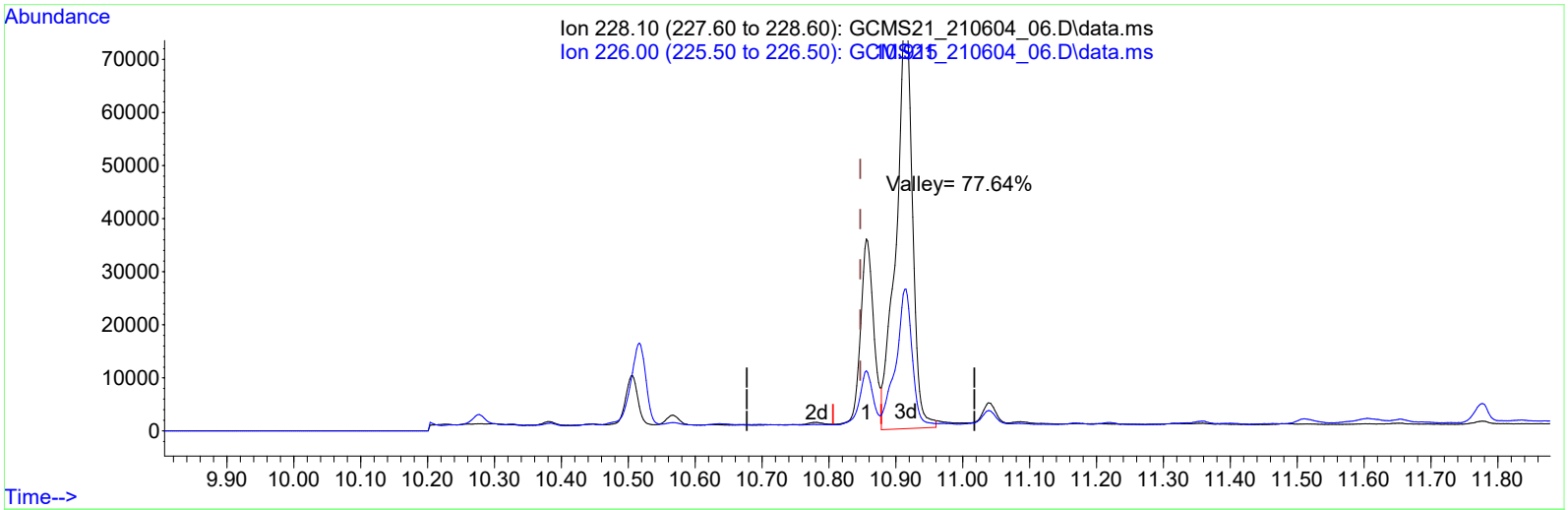
Ion	Ratio	Lower	Upper
278	100		
276	37.8	0.0	58.7
139	21.1	0.0	47.2

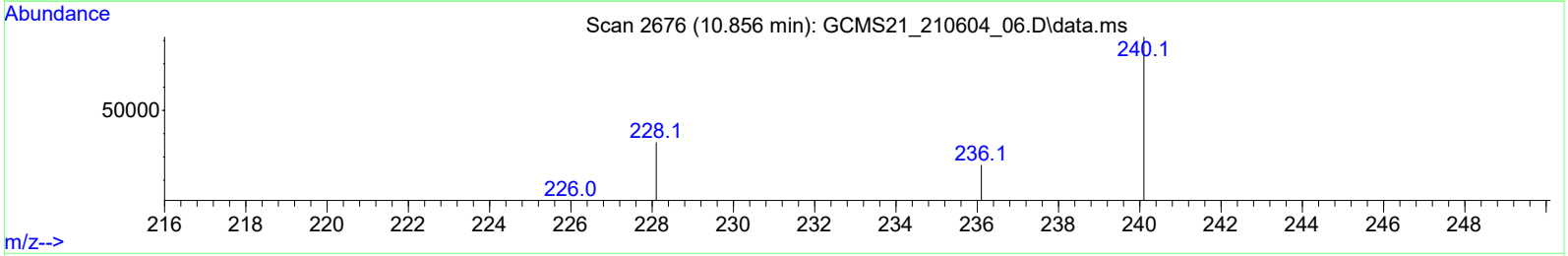


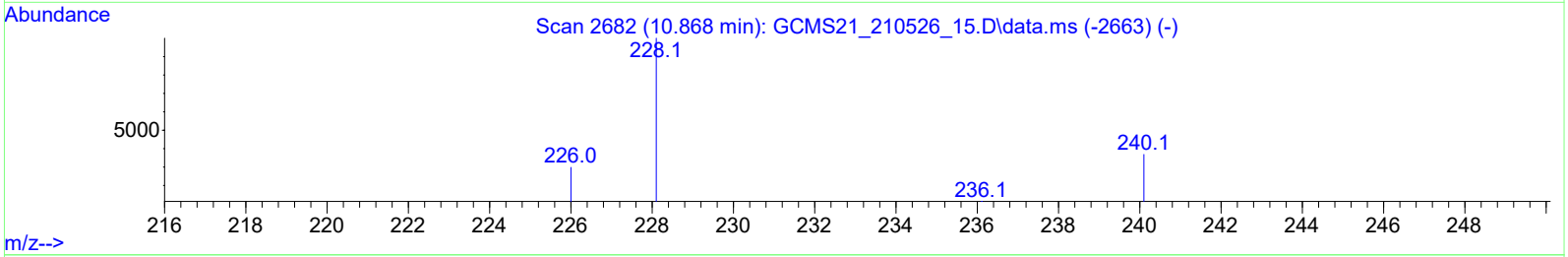
Quantitation Report (Qedit)

Data Path : D:\data\060421\
Data File : GCMS21_210604_06.D
Acq On : 04 Jun 2021 10:44 am
Operator : MN GCMS21
Sample : 2105001-01_reinject
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:01:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_06.D\data.ms

(19) Benzo(a)anthracene (M)

10.856min (+ 0.008) 34.35 ng/mL

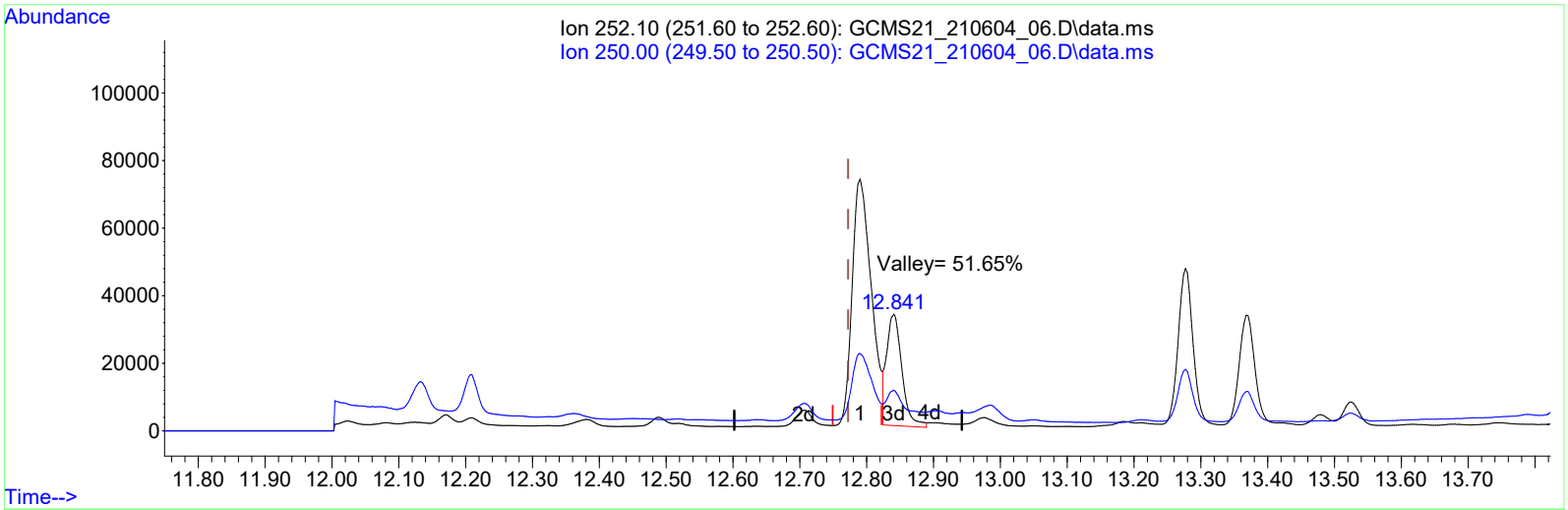
response 47477

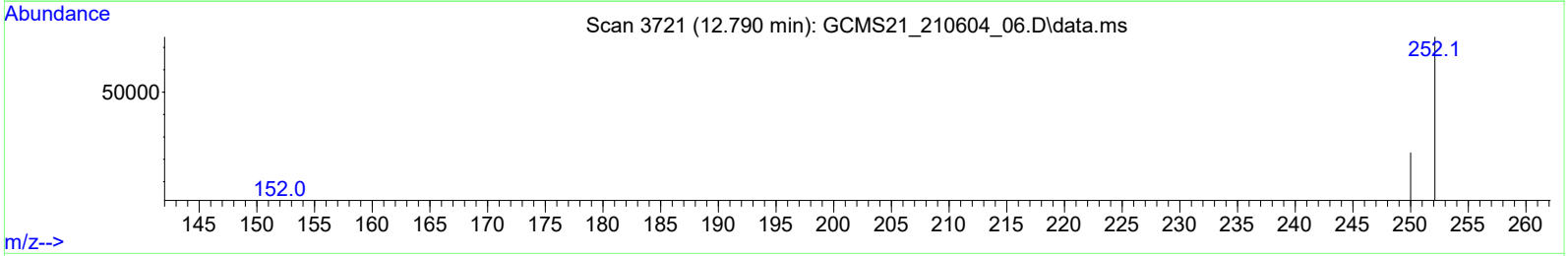
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.20	29.40
0.00	0.00	0.00
0.00	0.00	0.00

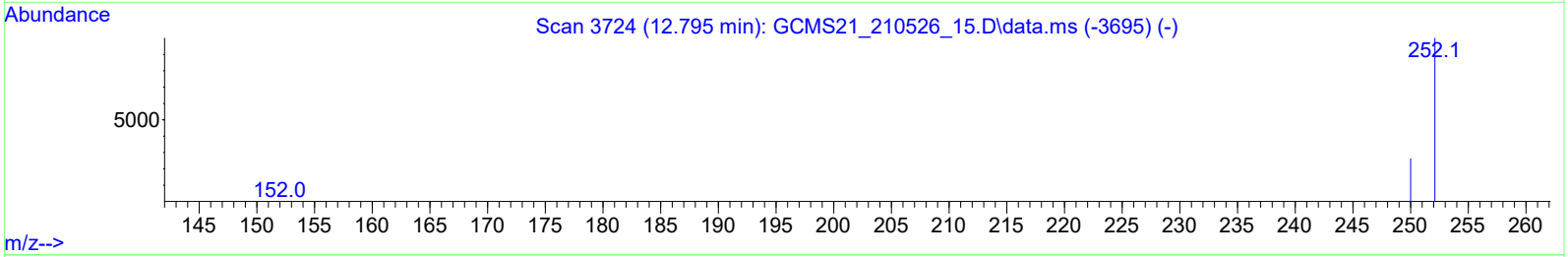
Quantitation Report (Qedit)

Data Path : D:\data\060421\
Data File : GCMS21_210604_06.D
Acq On : 04 Jun 2021 10:44 am
Operator : MN GCMS21
Sample : 2105001-01_reinject
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:01:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_06.D\data.ms

(22) Benzo(b)fluoranthene (M)

12.790min (+ 0.018) 122.31 ng/mL

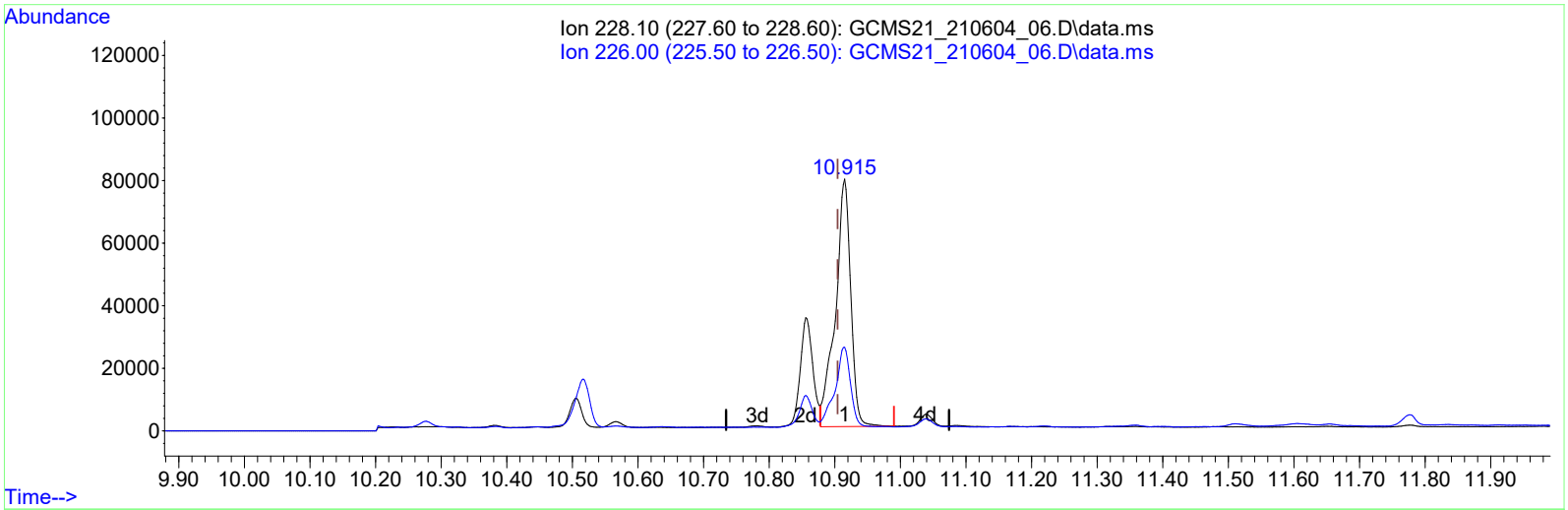
response 144314

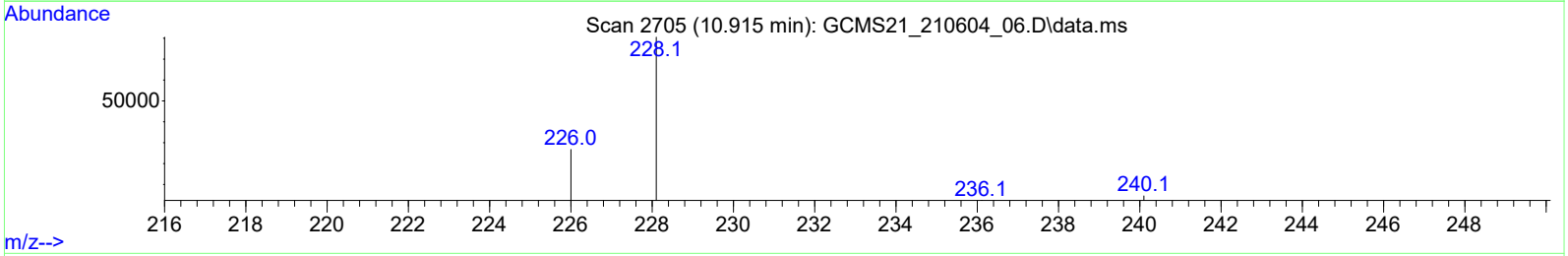
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	26.10	28.49
0.00	0.00	0.00
0.00	0.00	0.00

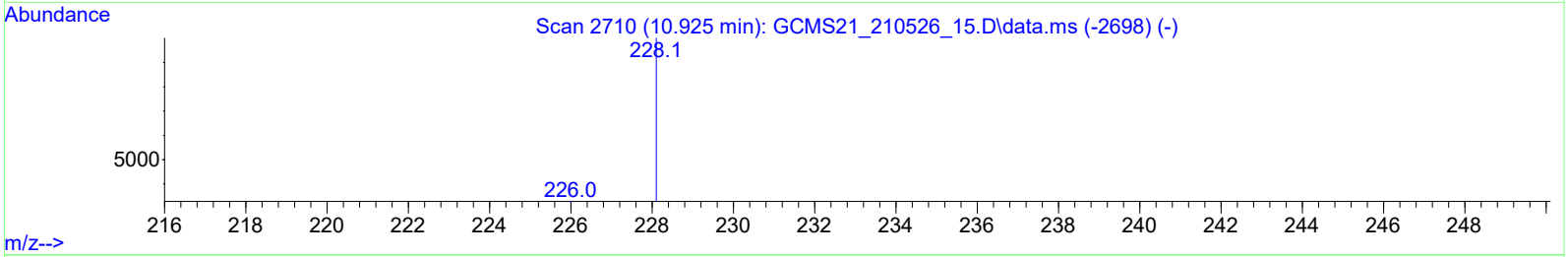
Quantitation Report (Qedit)

Data Path : D:\data\060421\
Data File : GCMS21_210604_06.D
Acq On : 04 Jun 2021 10:44 am
Operator : MN GCMS21
Sample : 2105001-01_reinject
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 30 12:01:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







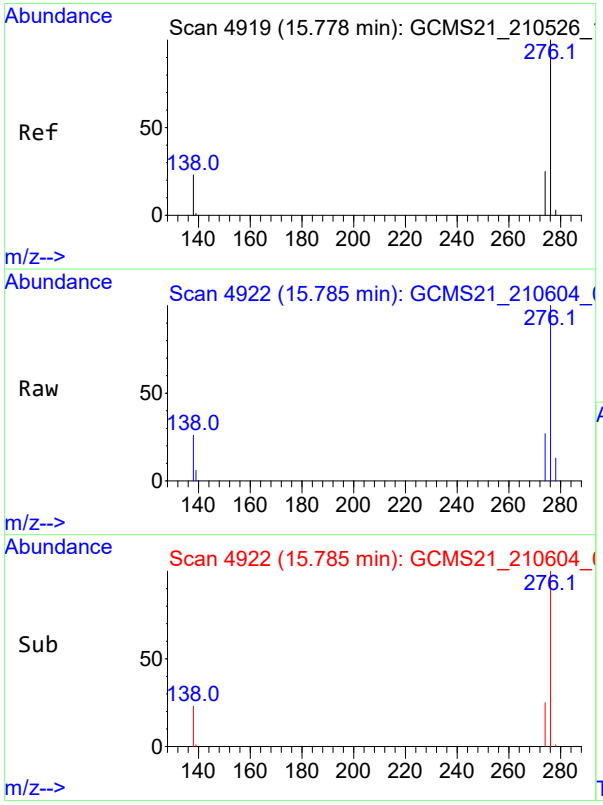
TIC: GCMS21_210604_06.D\data.ms

(20) Chrysene (M)

10.915min (+ 0.010) 75.32 ng/mL

response 128545

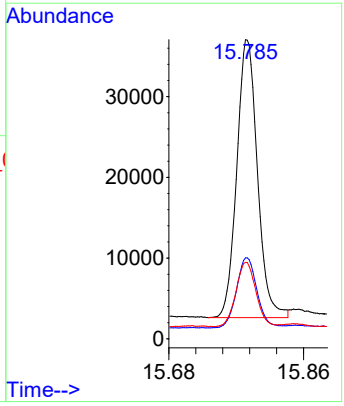
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	31.90	32.59
0.00	0.00	0.00
0.00	0.00	0.00



#31
Benzo(g,h,i)perylene
Concen: 53.94 ng/mL
RT: 15.785 min Scan# 4922
Delta R.T. 0.028 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44

Tgt Ion:276 Resp: 64574

Ion	Ratio	Lower	Upper
276	100		
274	25.1	0.0	54.2
138	22.3	0.0	52.4



Quantitation Report (Not Reviewed)

Data Path : D:\2105001\data\210604__B21E006\
Data File : GCMS21_210604_06.D
Acq On : 04 Jun 2021 10:44 am
Operator : MN GCMS21
Sample : 2105001-01_reinject
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 07 11:44:17 2021
Quant Method : D:\2105001\method\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 12:41:04 2021
Response via : Initial Calibration

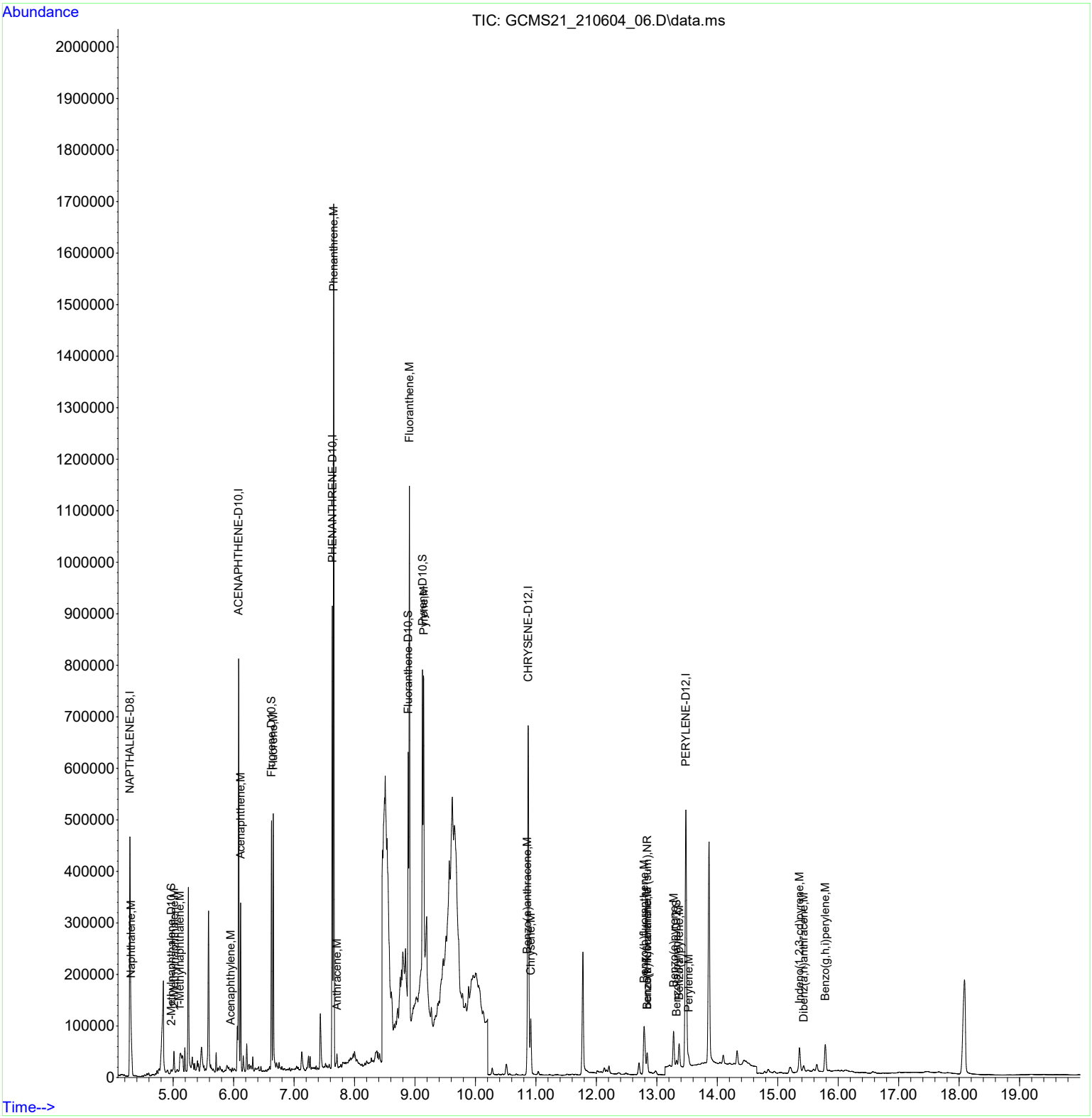
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.286	136	507329	500.00	ng/mL	-0.02
6) ACENAPHTHENE-D10	6.083	164	307203	500.00	ng/mL	-0.01
11) PHENANTHRENE-D10	7.632	188	644659	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.872	240	687231	500.00	ng/mL	0.00
21) PERYLENE-D12	13.482	264	568400	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.969	152	877	1.37	ng/mL	-0.03
9) Fluorene-D10	6.627	176	188261	255.97	ng/mL	-0.01
14) Fluoranthene-D10	8.890	212	298890	212.52	ng/mL	0.00
17) Pyrene-D10	9.124	212	380505	242.67	ng/mL	-0.01
26) Benzo(a)pyrene-D12	13.327	264	15098	16.35	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.304	128	23434	24.07	ng/mL	99
4) 2-Methylnaphthalene	5.013	142	17881	24.94	ng/mL	95
5) 1-Methylnaphthalene	5.112	142	9260	15.51	ng/mL#	84
7) Acenaphthylene	5.949	152	2405	2.36	ng/mL#	83
8) Acenaphthene	6.116	153	86966	111.43	ng/mL	97
10) Fluorene	6.656	166	175945	203.67	ng/mL	99
12) Phenanthrene	7.655	178	988496	635.34	ng/mL	100
13) Anthracene	7.709	178	22220	16.34	ng/mL	81
15) Fluoranthene	8.907	202	623786	379.88	ng/mL	98
18) Pyrene	9.144	202	357998	195.46	ng/mL#	20
19) Benzo(a)anthracene	10.856	228	47477	34.35	ng/mL	100
20) Chrysene	10.915	228	128528	75.31	ng/mL	100
22) Benzo(b)fluoranthene	12.790	252	144314	122.31	ng/mL	96
23) Benzo(k)fluoranthene	12.841	252	53050	40.57	ng/mL	89
24) benzo(b+k)fluoranthene...	12.841	252	54341	42.39	ng/mL	84
25) Benzo(e)pyrene	13.277	252	71395	59.99	ng/mL	92
27) Benzo(a)pyrene	13.368	252	52867	49.10	ng/mL	98
28) Perylene	13.526	252	11633	9.62	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.358	276	59722	64.81	ng/mL	97
30) Dibenz(a,h)anthracene	15.428	278	13492	14.69	ng/mL	91
31) Benzo(g,h,i)perylene	15.785	276	64574	53.94	ng/mL	99

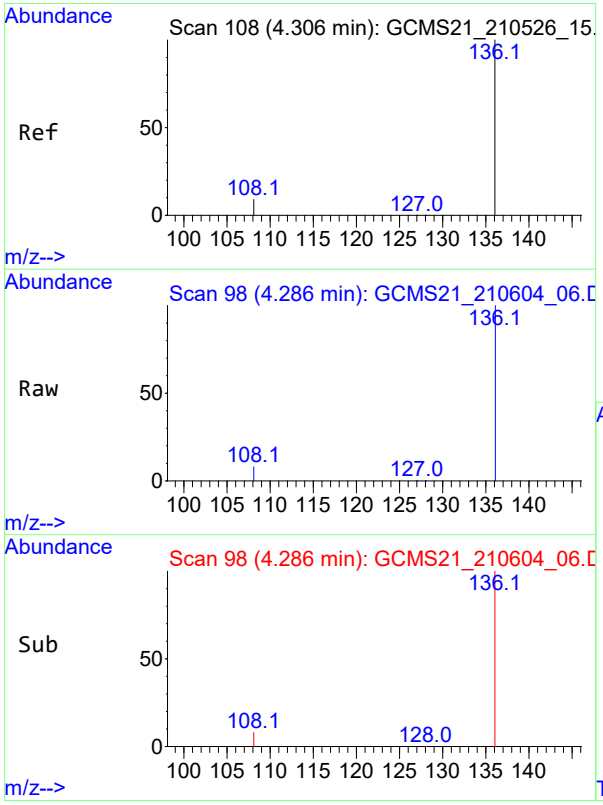
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\2105001\data\210604__B21E006\
Data File : GCMS21_210604_06.D
Acq On : 04 Jun 2021 10:44 am
Operator : MN GCMS21
Sample : 2105001-01_reinject
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 07 11:44:17 2021
Quant Method : D:\2105001\method\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Wed Jun 02 12:41:04 2021
Response via : Initial Calibration

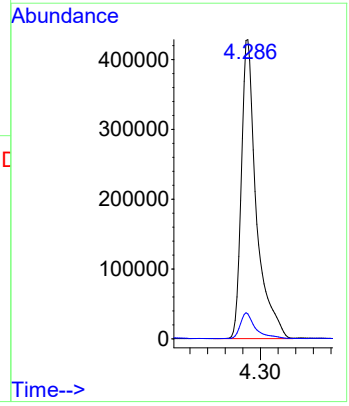


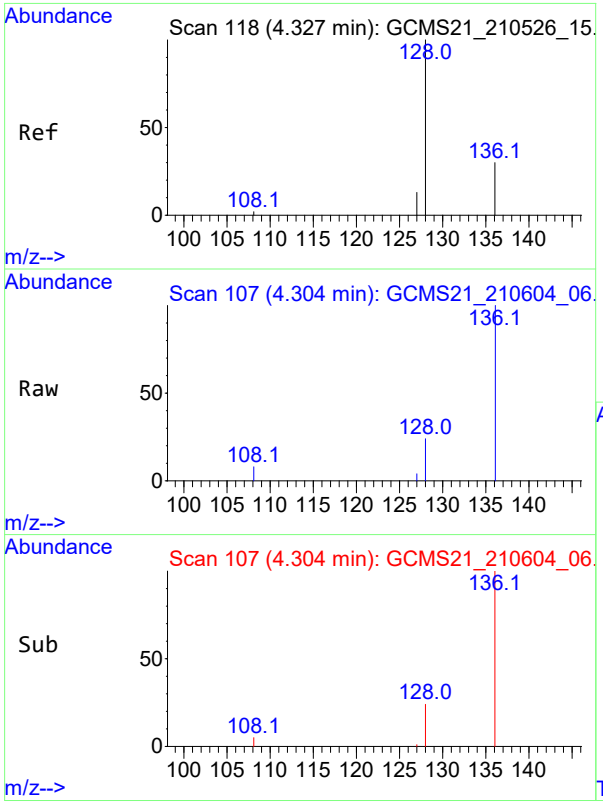


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.286 min Scan# 98
Delta R.T. -0.020 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:136 Resp: 507329

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	29.0

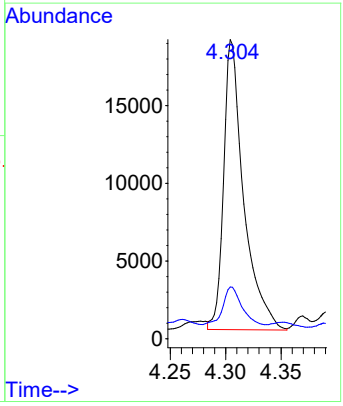


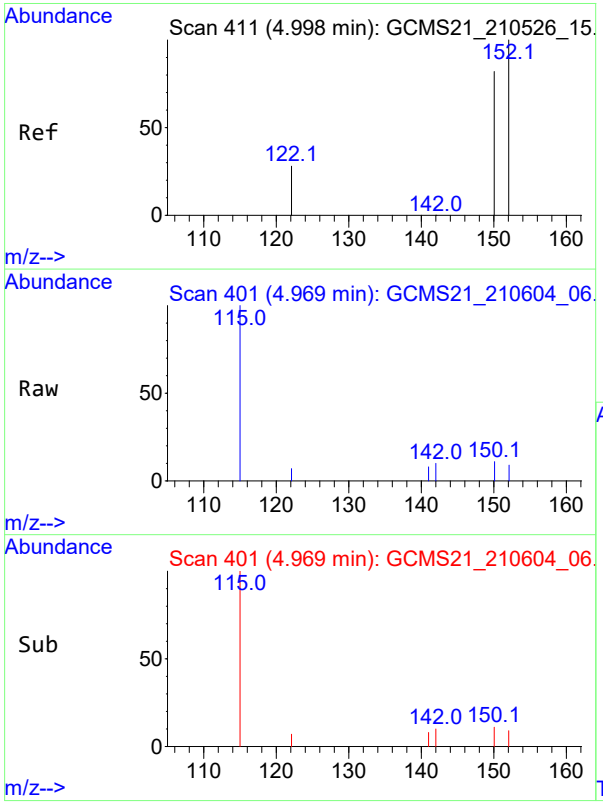


#2
Naphthalene
Concen: 24.07 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.023 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:128 Resp: 23434

Ion	Ratio	Lower	Upper
128	100		
127	12.9	0.0	43.4

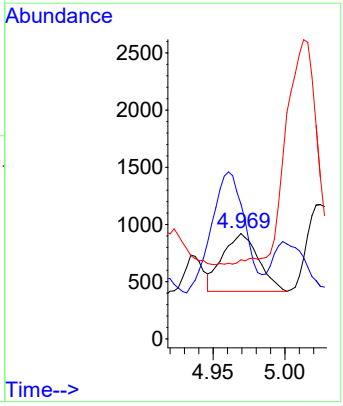


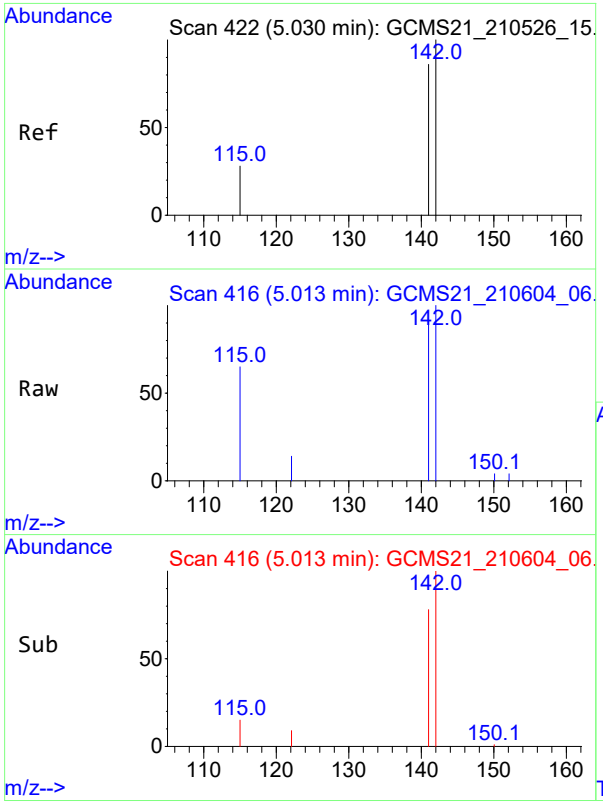


#3
2-Methylnaphthalene-D10
Concen: 1.37 ng/mL
RT: 4.969 min Scan# 401
Delta R.T. -0.029 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:152 Resp: 877

Ion	Ratio	Lower	Upper
152	100		
150	195.1	52.1	112.1#
122	0.0	0.0	58.7

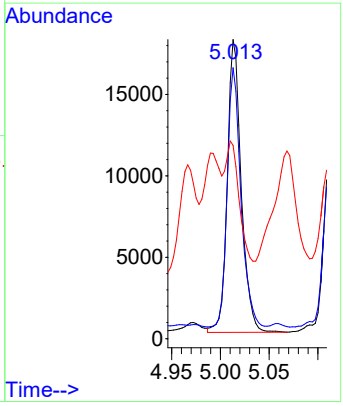


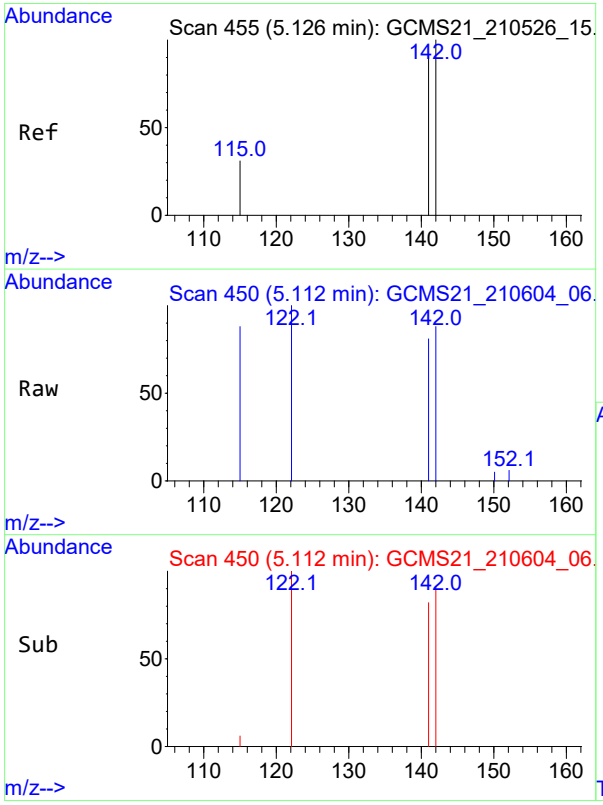


#4
2-Methylnaphthalene
Concen: 24.94 ng/mL
RT: 5.013 min Scan# 416
Delta R.T. -0.017 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:142 Resp: 17881

Ion	Ratio	Lower	Upper
142	100		
141	87.0	56.5	116.5
115	40.1	0.0	59.3

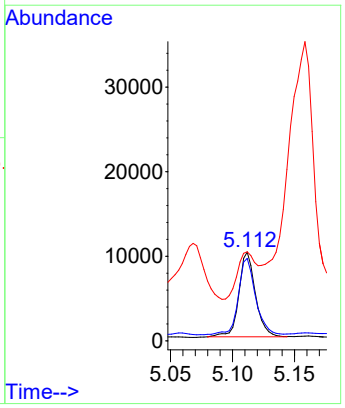


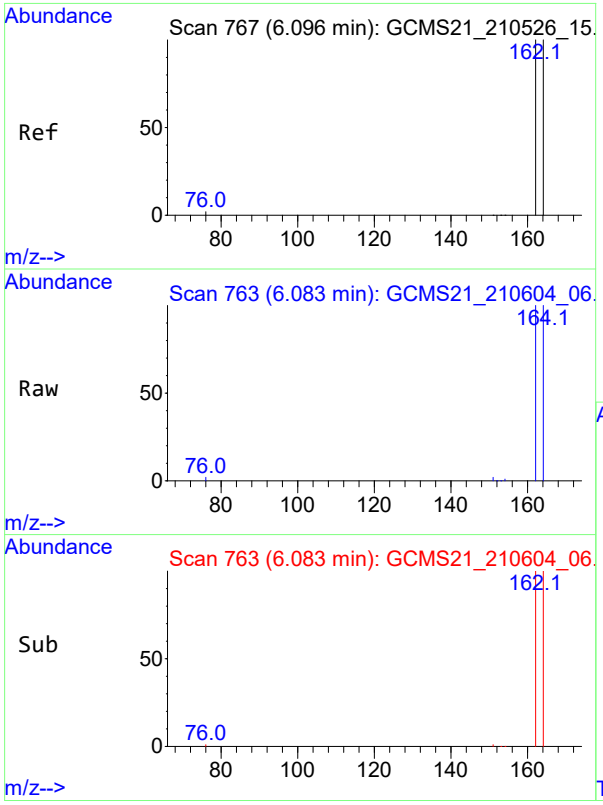


#5
1-Methylnaphthalene
Concen: 15.51 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.014 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:142 Resp: 9260

Ion	Ratio	Lower	Upper
142	100		
141	91.5	59.6	119.6
115	62.9	1.2	61.2#

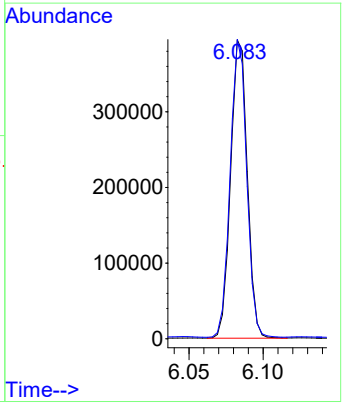


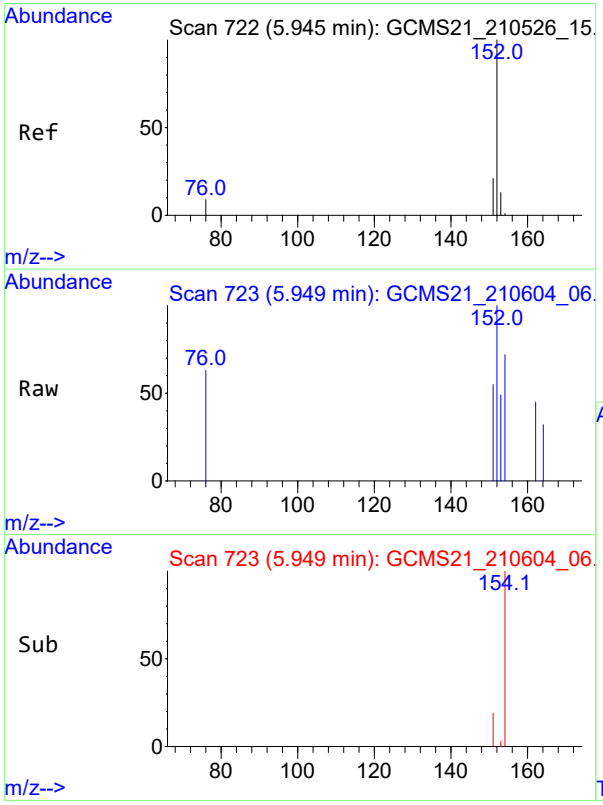


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. -0.013 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:164 Resp: 307203

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.5	119.5

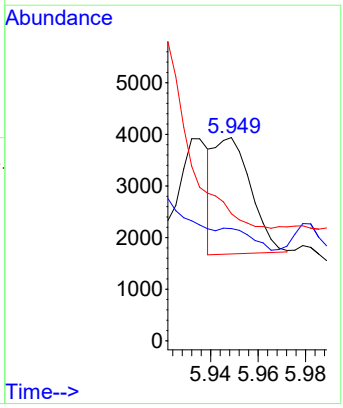


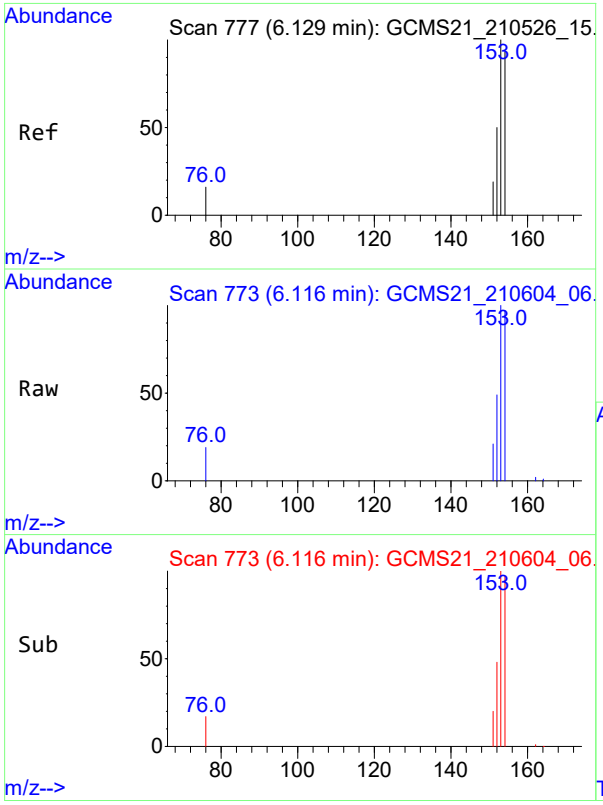


#7
Acenaphthylene
Concen: 2.36 ng/mL
RT: 5.949 min Scan# 723
Delta R.T. 0.004 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:152 Resp: 2405

Ion	Ratio	Lower	Upper
152	100		
151	15.6	0.0	51.5
76	0.0	0.0	39.5

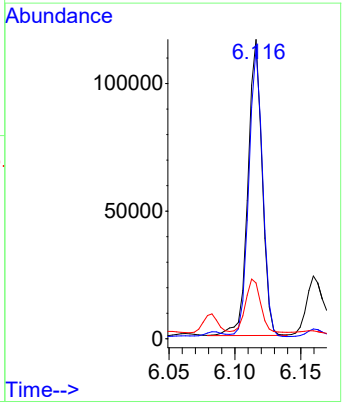


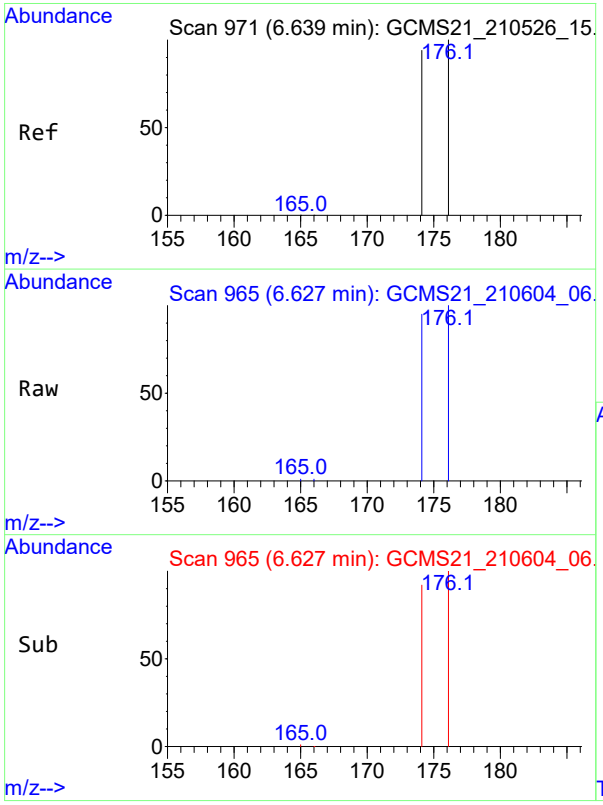


#8
Acenaphthene
Concen: 111.43 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. -0.013 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:153 Resp: 86966

Ion	Ratio	Lower	Upper
153	100		
154	94.3	61.9	121.9
76	20.3	0.0	47.6

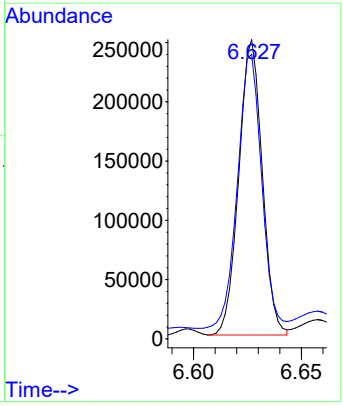


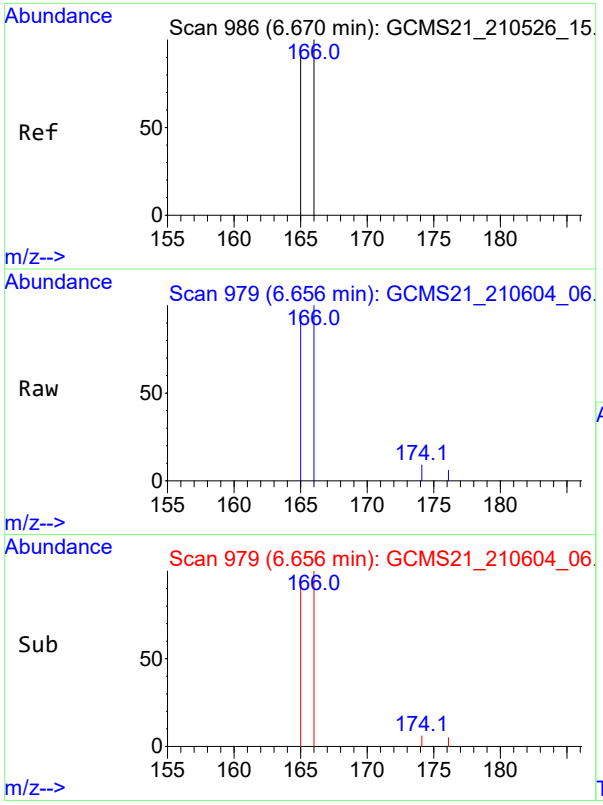


#9
Fluorene-D10
Concen: 255.97 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. -0.012 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:176 Resp: 188261

Ion	Ratio	Lower	Upper
176	100		
174	97.2	64.3	124.3

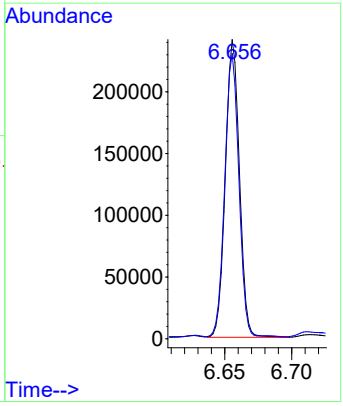


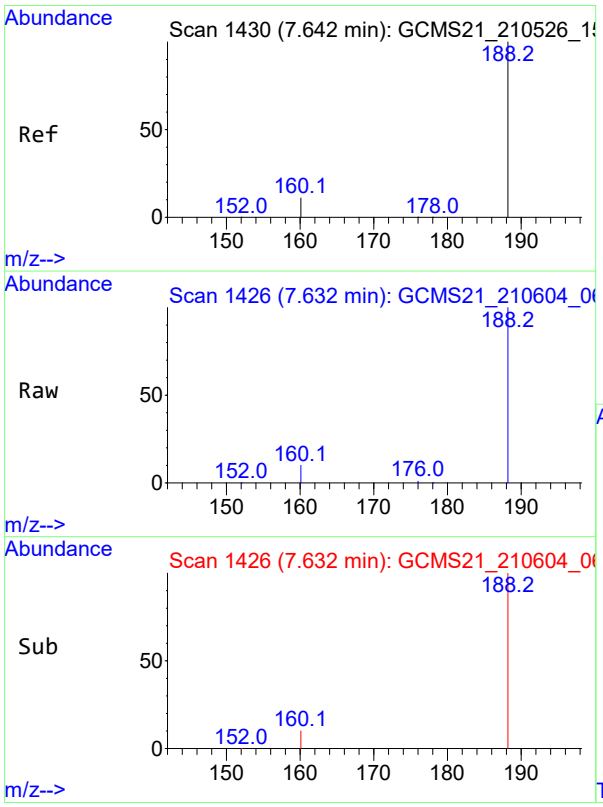


#10
Fluorene
Concen: 203.67 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. -0.014 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:166 Resp: 175945

Ion	Ratio	Lower	Upper
166	100		
165	94.7	65.4	125.4

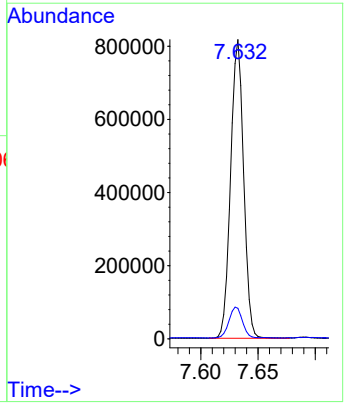


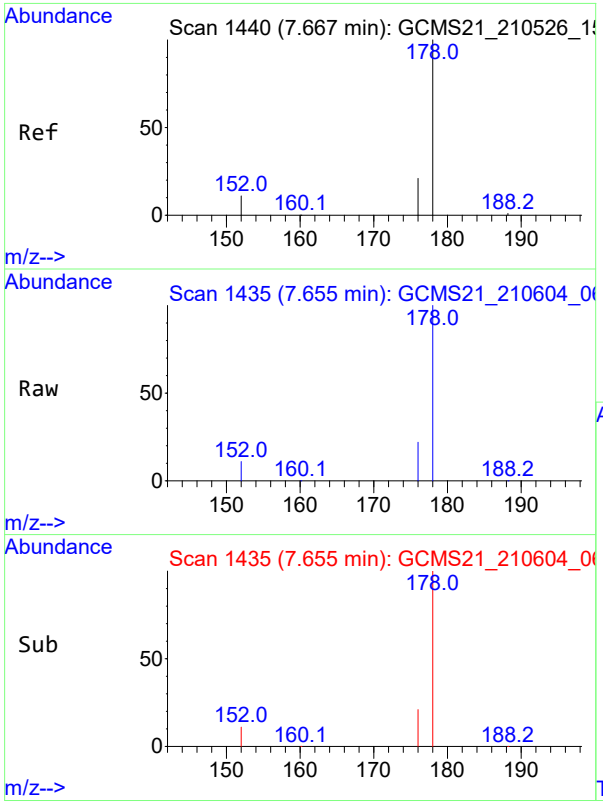


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.632 min Scan# 1426
Delta R.T. -0.010 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:188 Resp: 644659

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	40.3

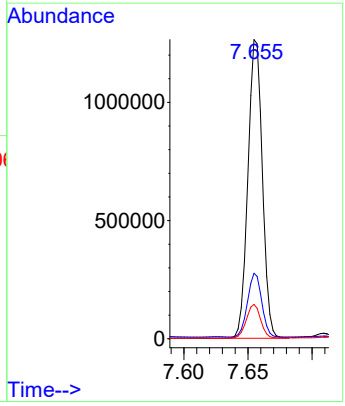


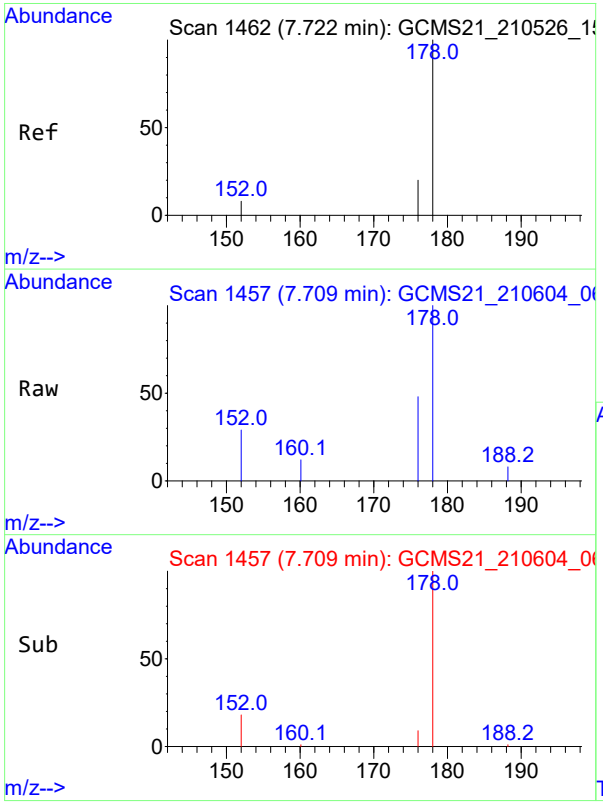


#12
Phenanthrene
Concen: 635.34 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. -0.012 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:178 Resp: 988496

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	50.9
152	11.0	0.0	40.7

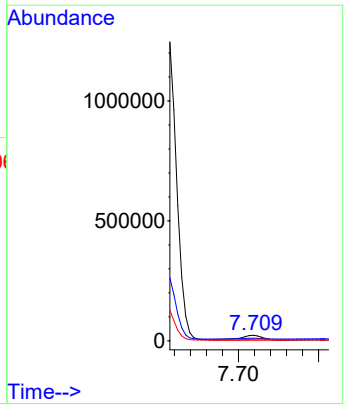


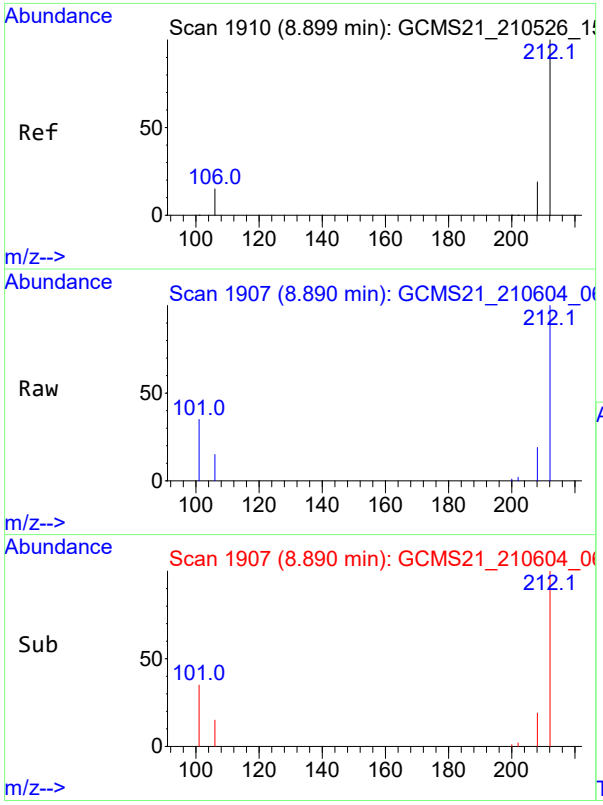


#13
Anthracene
Concen: 16.34 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. -0.013 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:178 Resp: 22220

Ion	Ratio	Lower	Upper
178	100		
176	14.4	0.0	50.2
152	20.8	0.0	38.7

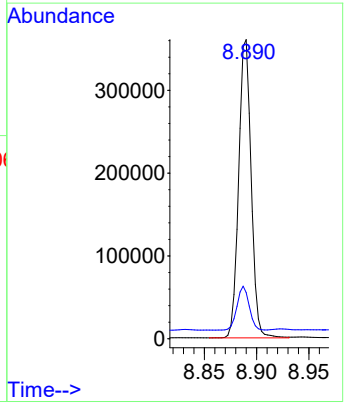


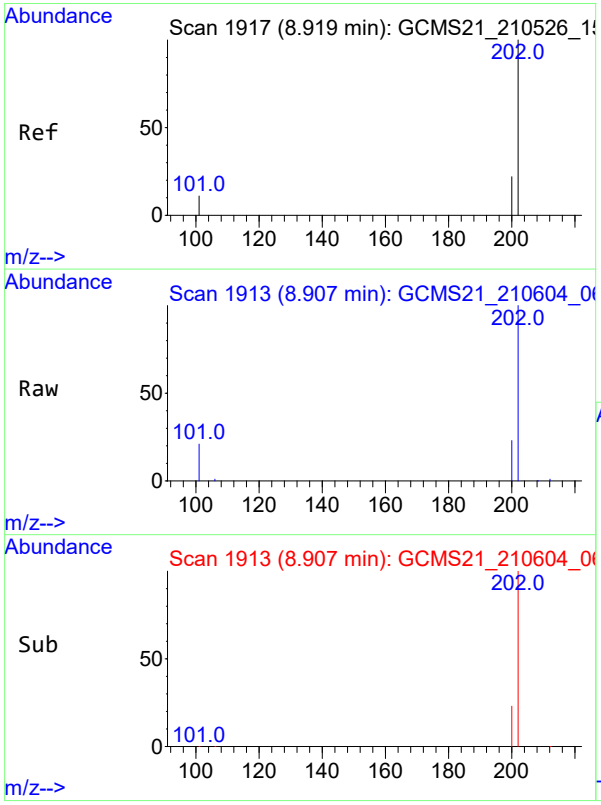


#14
Fluoranthene-D10
Concen: 212.52 ng/mL
RT: 8.890 min Scan# 1907
Delta R.T. -0.009 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:212 Resp: 298890

Ion	Ratio	Lower	Upper
212	100		
106	14.4	0.0	45.1

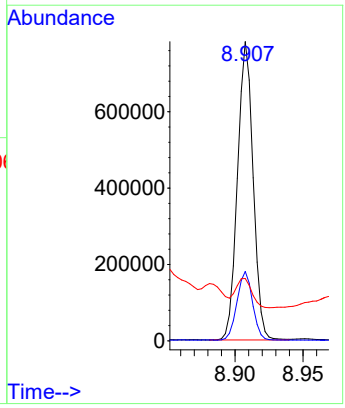


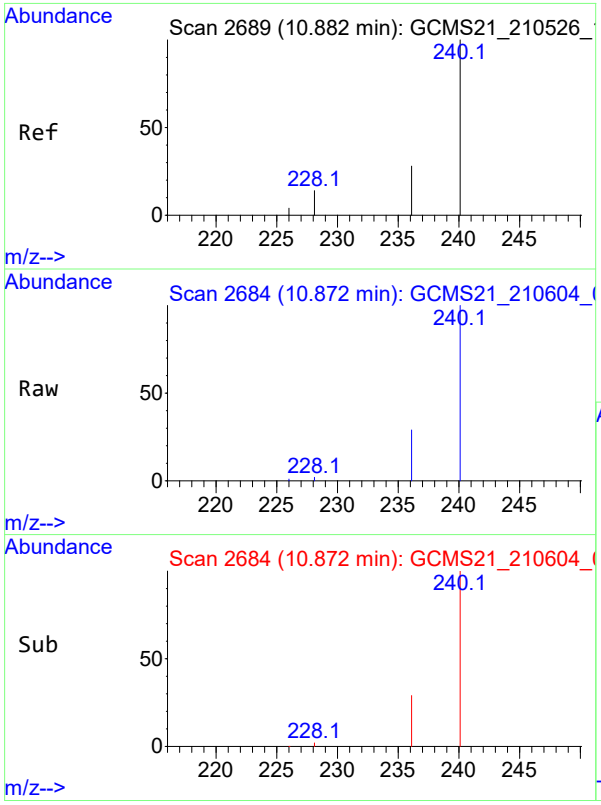


#15
Fluoranthene
Concen: 379.88 ng/mL
RT: 8.907 min Scan# 1913
Delta R.T. -0.012 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:202 Resp: 623786

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	53.2
101	10.0	0.0	42.4

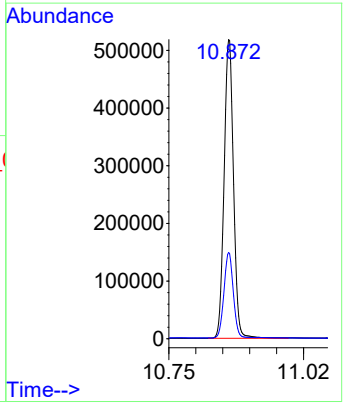


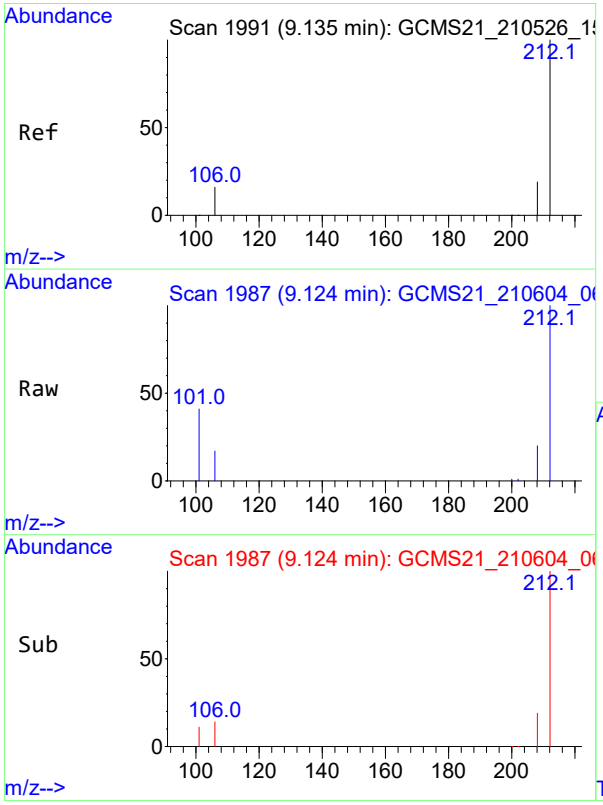


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. -0.010 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:240 Resp: 687231

Ion	Ratio	Lower	Upper
240	100		
236	28.5	0.0	58.5

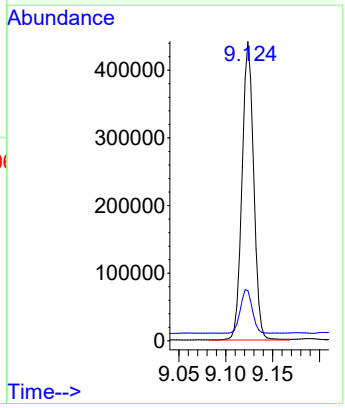


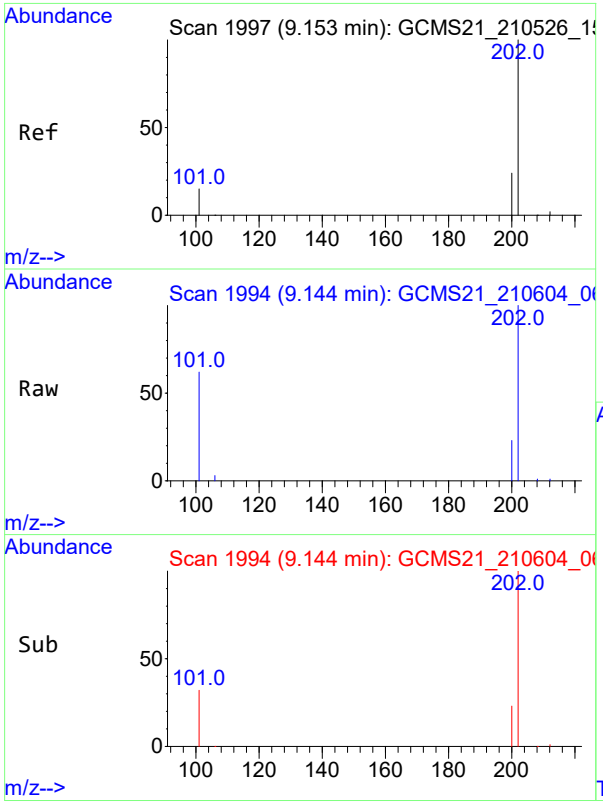


#17
Pyrene-D10
Concen: 242.67 ng/mL
RT: 9.124 min Scan# 1987
Delta R.T. -0.011 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:212 Resp: 380505

Ion	Ratio	Lower	Upper
212	100		
106	14.8	0.0	47.4

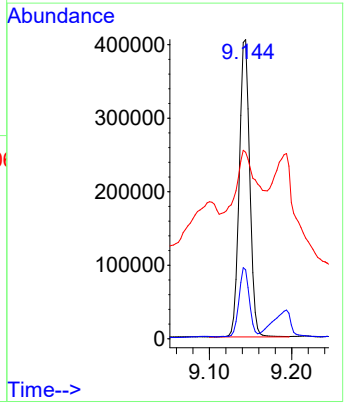


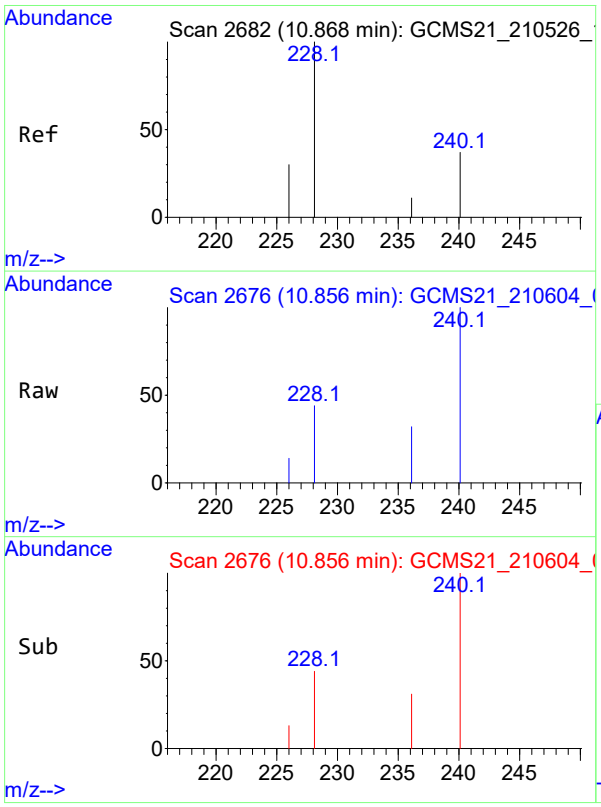


#18
Pyrene
Concen: 195.46 ng/mL
RT: 9.144 min Scan# 1994
Delta R.T. -0.009 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:202 Resp: 357998

Ion	Ratio	Lower	Upper
202	100		
200	23.7	0.0	53.6
101	100.8	0.0	44.4#

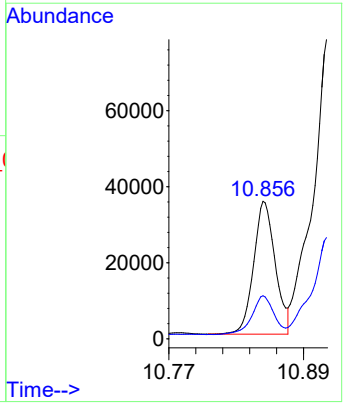


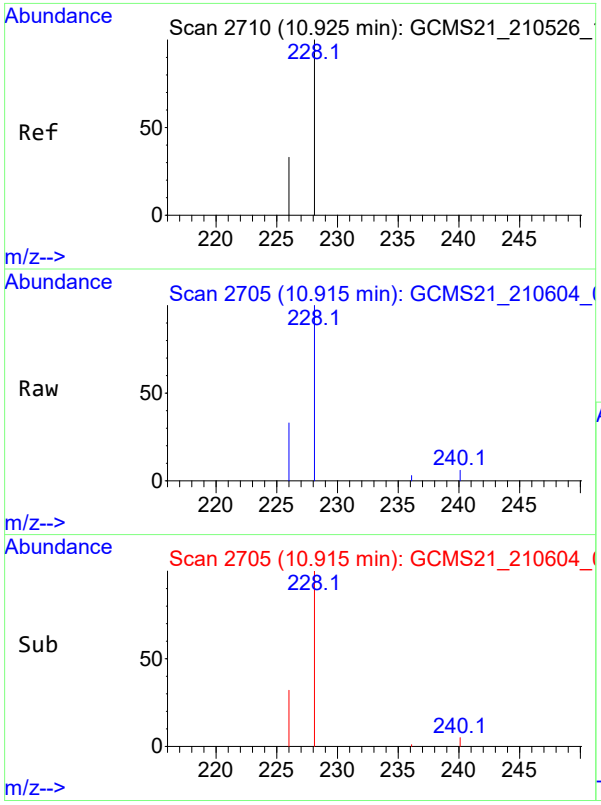


#19
Benzo(a)anthracene
Concen: 34.35 ng/mL
RT: 10.856 min Scan# 2676
Delta R.T. -0.012 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:228 Resp: 47477

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.6

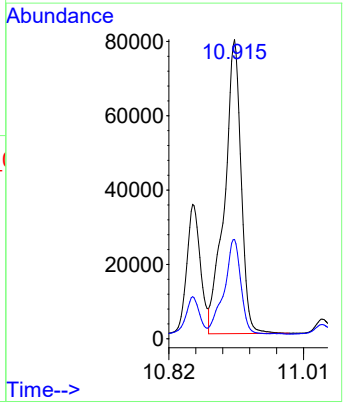


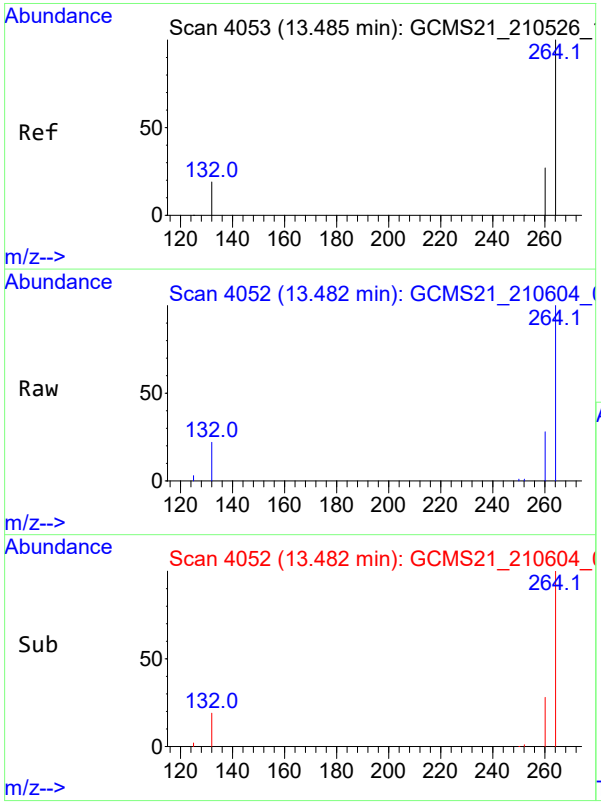


#20
Chrysene
Concen: 75.31 ng/mL
RT: 10.915 min Scan# 2705
Delta R.T. -0.010 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:228 Resp: 128528

Ion	Ratio	Lower	Upper
228	100		
226	32.6	2.5	62.5

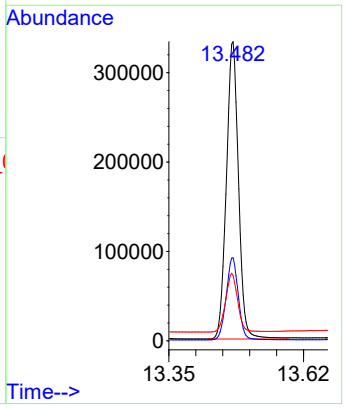


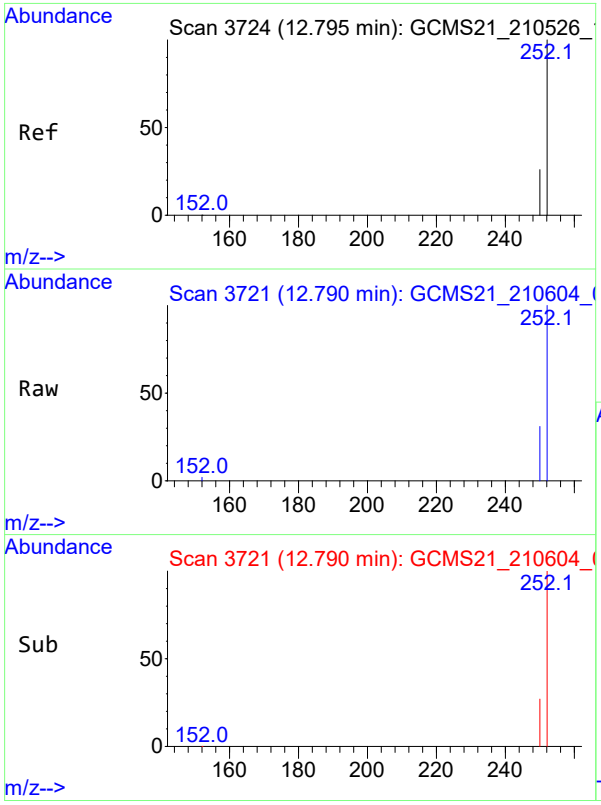


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.482 min Scan# 4052
Delta R.T. -0.003 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:264 Resp: 568400

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.5
132	19.5	0.0	49.9

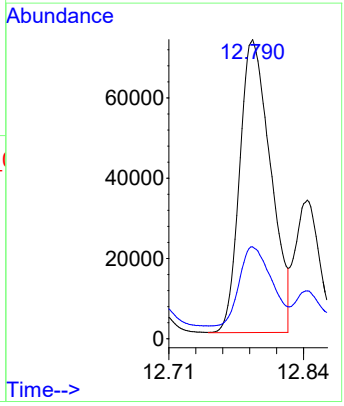


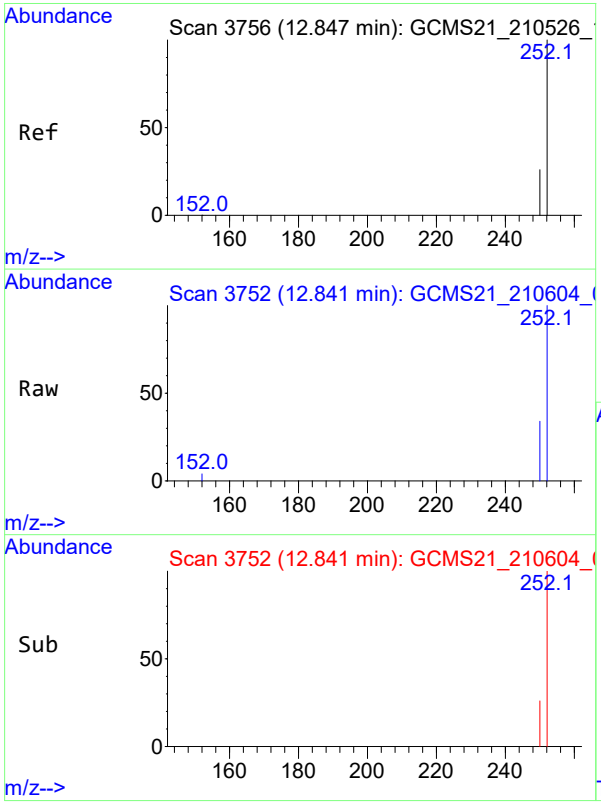


#22
Benzo(b)fluoranthene
Concen: 122.31 ng/mL
RT: 12.790 min Scan# 3721
Delta R.T. -0.005 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:252 Resp: 144314

Ion	Ratio	Lower	Upper
252	100		
250	28.5	0.0	56.2

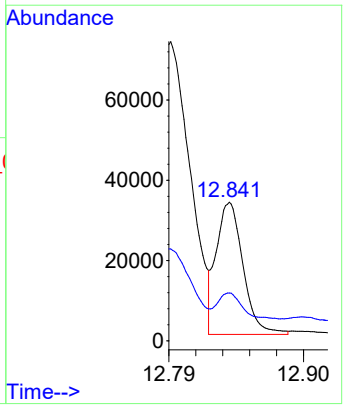


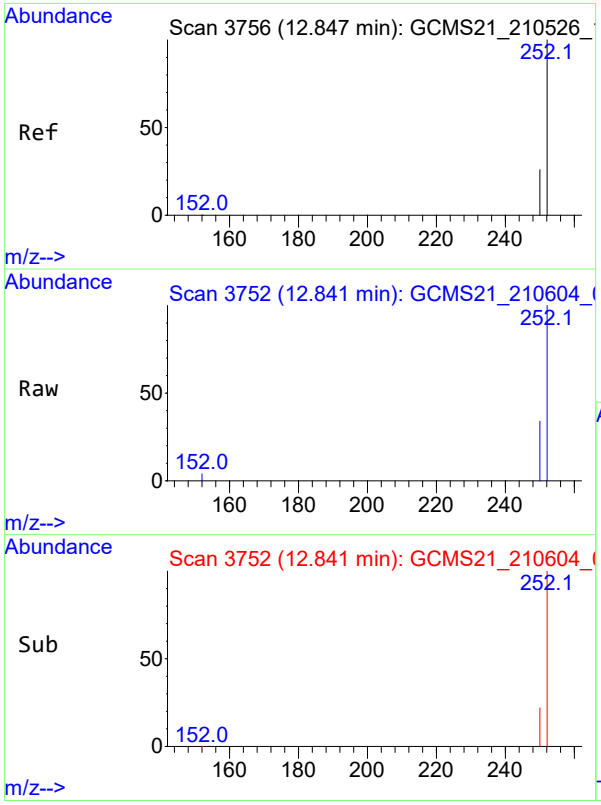


#23
Benzo(k)fluoranthene
Concen: 40.57 ng/mL
RT: 12.841 min Scan# 3752
Delta R.T. -0.006 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:252 Resp: 53050

Ion	Ratio	Lower	Upper
252	100		
250	30.8	0.0	55.4

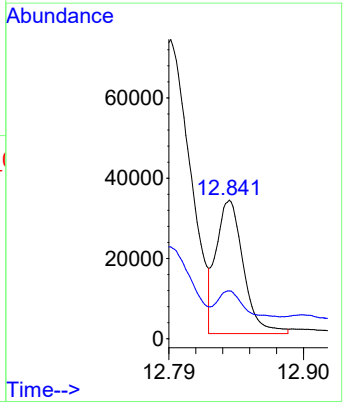


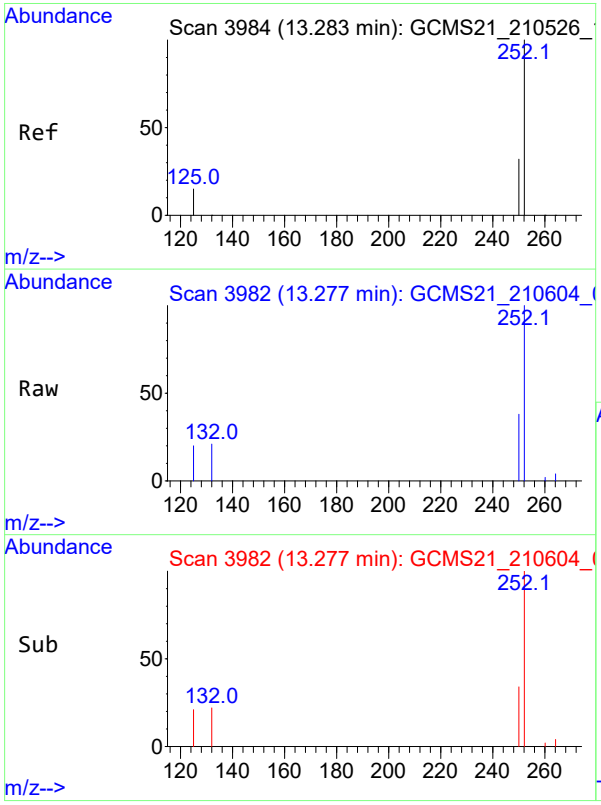


#24
benzo(b+k)fluoranthene (sum)
Concen: 42.39 ng/mL
RT: 12.841 min Scan# 3752
Delta R.T. -0.006 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:252 Resp: 54341

Ion	Ratio	Lower	Upper
252	100		
250	34.3	0.0	56.3

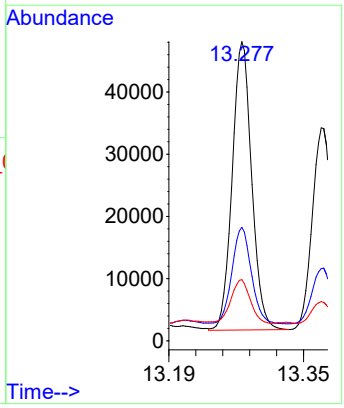


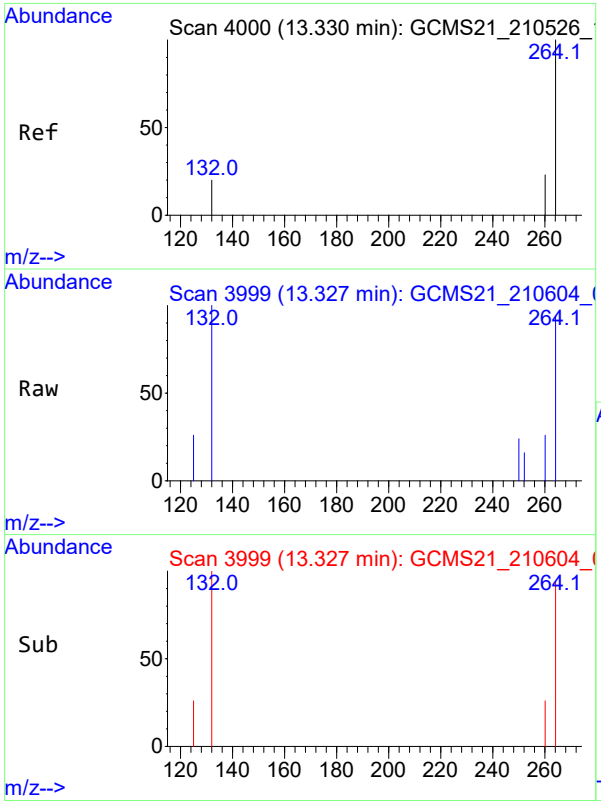


#25
Benzo(e)pyrene
Concen: 59.99 ng/mL
RT: 13.277 min Scan# 3982
Delta R.T. -0.006 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:252 Resp: 71395

Ion	Ratio	Lower	Upper
252	100		
250	34.0	2.4	62.4
125	24.0	0.0	46.0

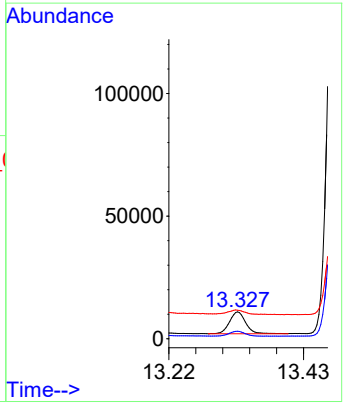


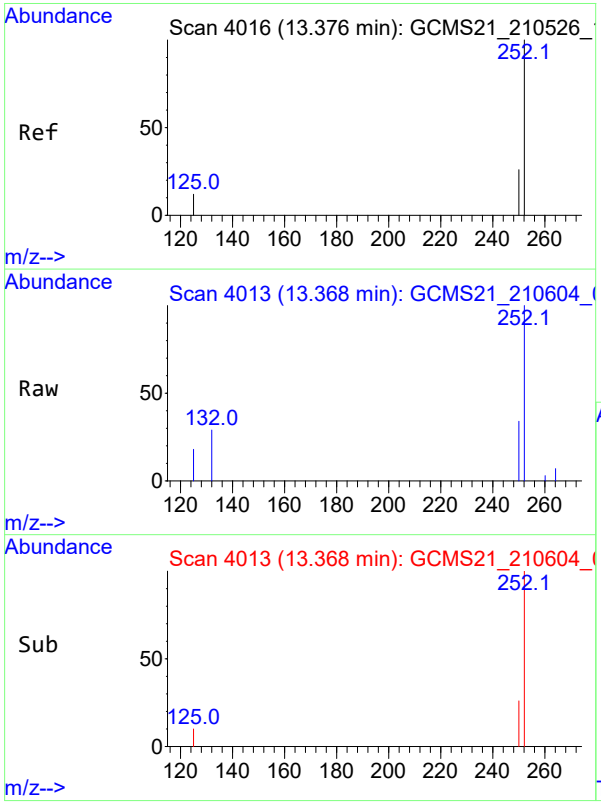


#26
Benzo(a)pyrene-D12
Concen: 16.35 ng/mL
RT: 13.327 min Scan# 3999
Delta R.T. -0.003 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:264 Resp: 15098

Ion	Ratio	Lower	Upper
264	100		
260	21.7	0.0	52.7
132	20.1	0.0	49.5

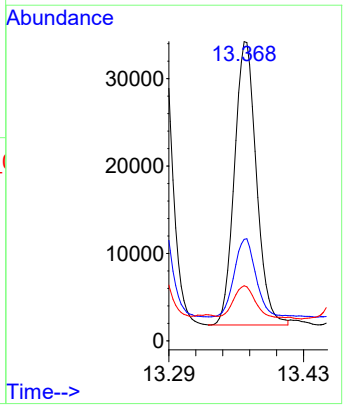


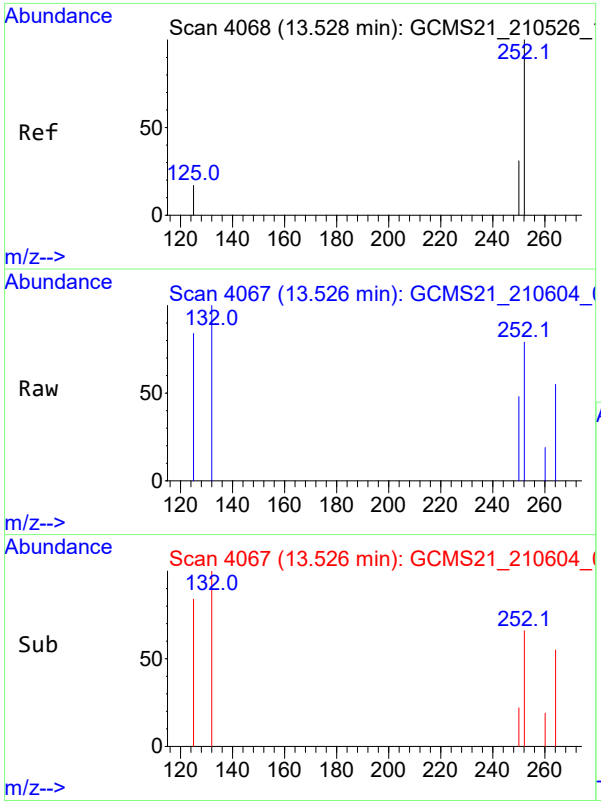


#27
Benzo(a)pyrene
Concen: 49.10 ng/mL
RT: 13.368 min Scan# 4013
Delta R.T. -0.008 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:252 Resp: 52867

Ion	Ratio	Lower	Upper
252	100		
250	27.9	0.0	57.2
125	10.8	0.0	42.3

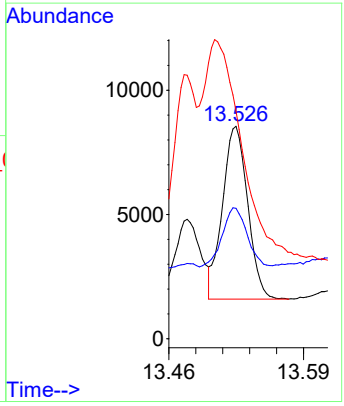


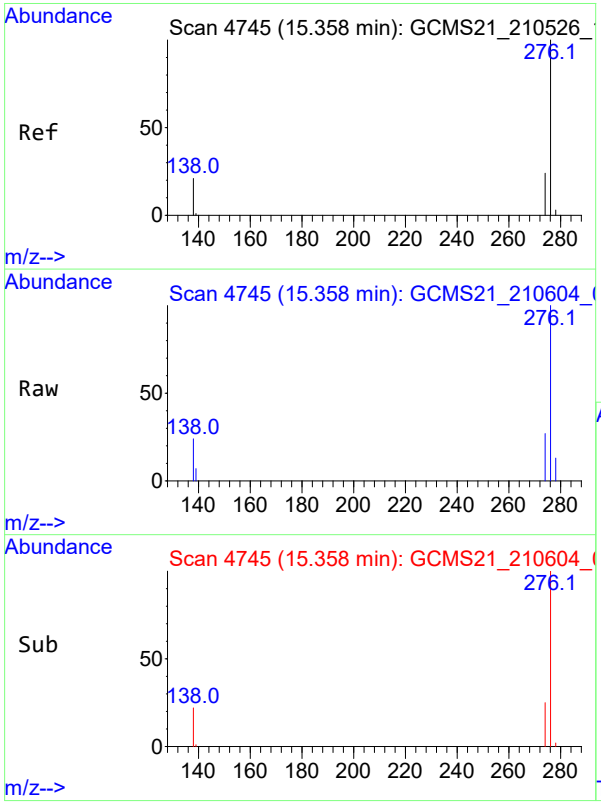


#28
Perylene
Concen: 9.62 ng/mL
RT: 13.526 min Scan# 4067
Delta R.T. -0.002 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:252 Resp: 11633

Ion	Ratio	Lower	Upper
252	100		
250	33.6	1.1	61.1
125	204.5	0.0	46.2#

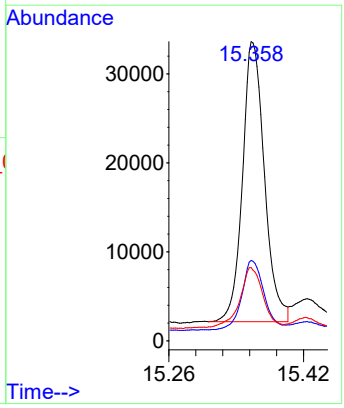


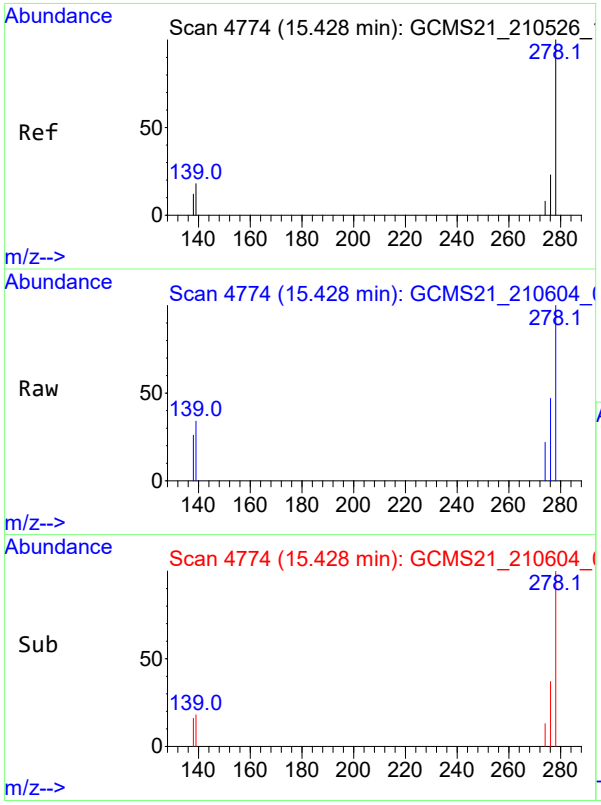


#29
Indeno(1,2,3-cd)pyrene
Concen: 64.81 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.000 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:276 Resp: 59722

Ion	Ratio	Lower	Upper
276	100		
274	25.1	0.0	53.7
138	22.6	0.0	51.1

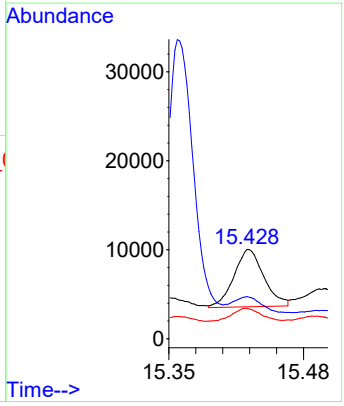


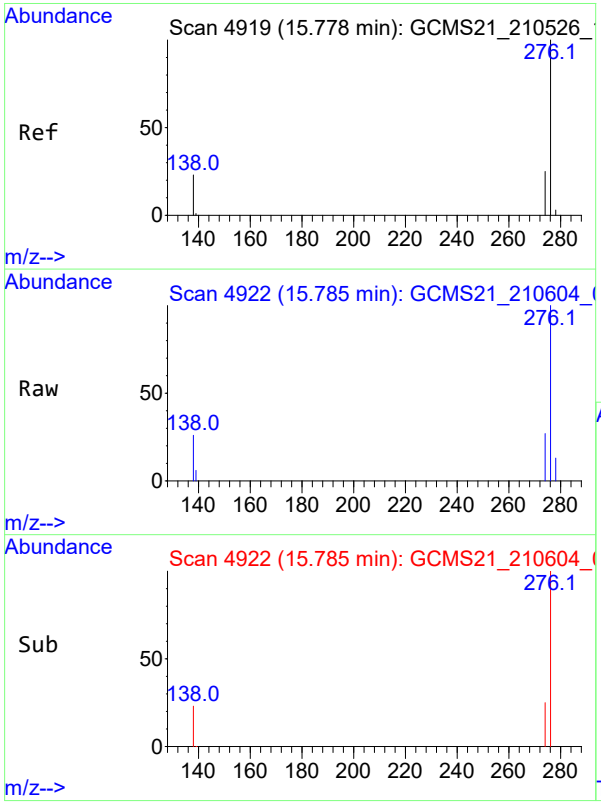


#30
Dibenz(a,h)anthracene
Concen: 14.69 ng/mL
RT: 15.428 min Scan# 4774
Delta R.T. -0.000 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:278 Resp: 13492

Ion	Ratio	Lower	Upper
278	100		
276	37.8	2.7	62.7
139	21.1	0.0	47.4

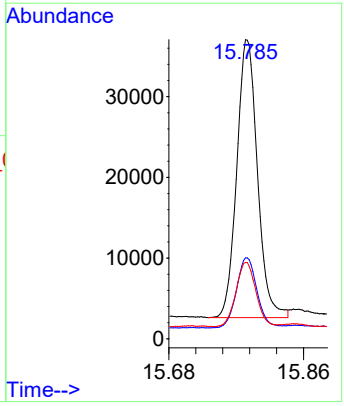




#31
Benzo(g,h,i)perylene
Concen: 53.94 ng/mL
RT: 15.785 min Scan# 4922
Delta R.T. 0.007 min
Lab File: GCMS21_210604_06.D
Acq: 04 Jun 2021 10:44 am

Tgt Ion:276 Resp: 64574

Ion	Ratio	Lower	Upper
276	100		
274	25.1	0.0	54.7
138	22.3	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_07.D
Acq On : 04 Jun 2021 11:09
Operator : MN GCMS21
Sample : 2105001-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 12:01:19 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

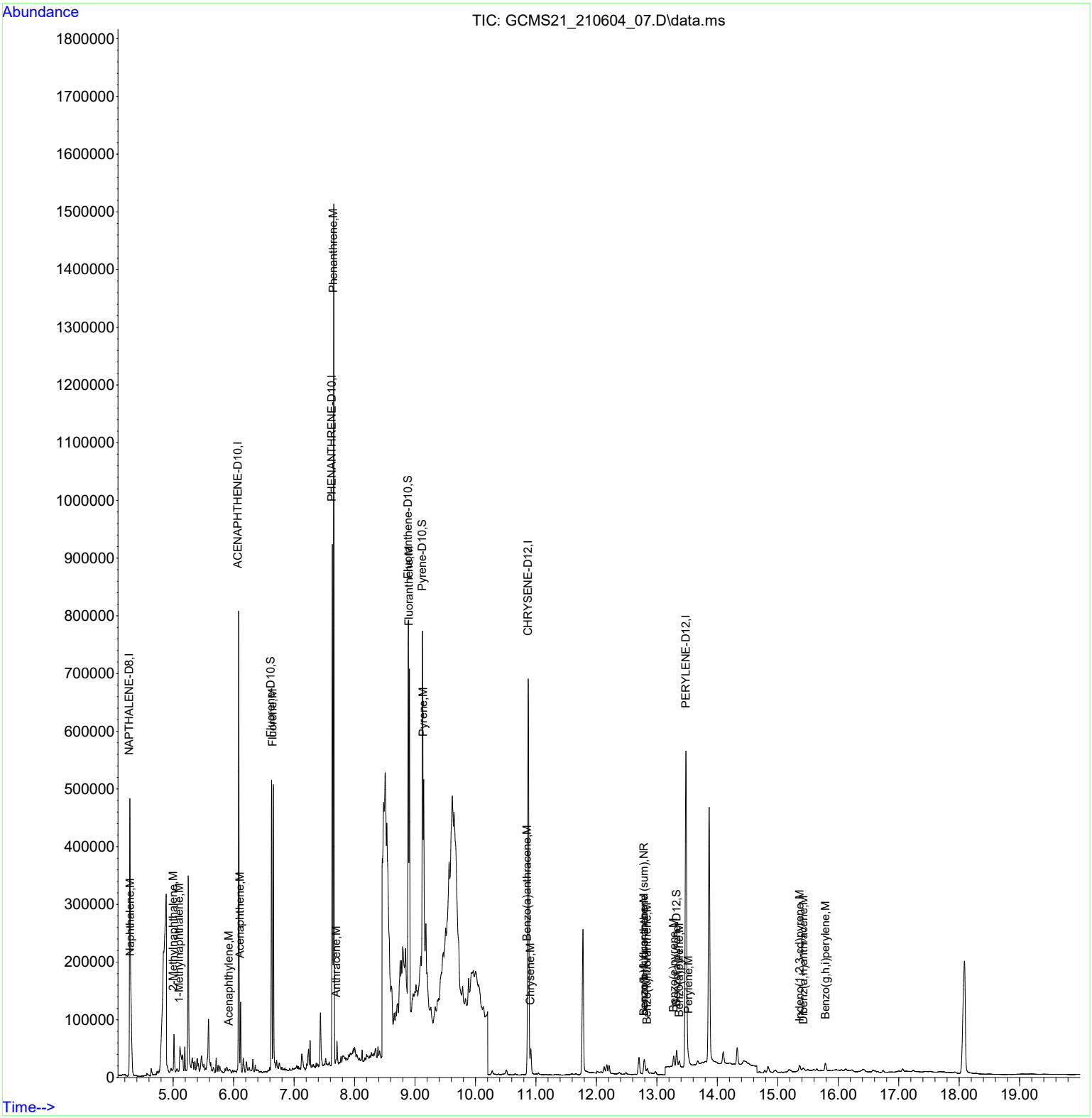
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							
1) NAPTHALENE-D8	4.284	136	498854	500.00	ng/mL	0.00	
6) ACENAPHTHENE-D10	6.082	164	304541	500.00	ng/mL	0.00	
11) PHENANTHRENE-D10	7.632	188	634635	500.00	ng/mL	0.00	
16) CHRYSENE-D12	10.872	240	684670	500.00	ng/mL	0.01	
21) PERYLENE-D12	13.480	264	597135	500.00	ng/mL	0.02	
System Monitoring Compounds							
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL		
9) Fluorene-D10	6.627	176	196820	269.94	ng/mL	0.00	
14) Fluoranthene-D10	8.890	212	409846	298.25	ng/mL	0.00	
17) Pyrene-D10	9.126	212	388050	248.41	ng/mL	0.00	
26) Benzo(a)pyrene-D12	13.328	264	34013	35.06	ng/mL	0.02	
Target Compounds						Qvalue	
2) Naphthalene	4.304	128	54531	56.97	ng/mL	100	
4) 2-Methylnaphthalene	5.013	142	26757	37.96	ng/mL	96	
5) 1-Methylnaphthalene	5.112	142	13885	23.65	ng/mL#	83	
7) Acenaphthylene	5.932	152	4472	4.42	ng/mL#	48	
8) Acenaphthene	6.116	153	35020	45.26	ng/mL	92	
10) Fluorene	6.657	166	177751	207.56	ng/mL	99	
12) Phenanthrene	7.657	178	872736	569.79	ng/mL	99	
13) Anthracene	7.709	178	27452	21.55	ng/mL	89	
15) Fluoranthene	8.907	202	350927	217.09	ng/mL	98	
18) Pyrene	9.144	202	175892m	96.39	ng/mL		P, B Qual ion manual integrated 07.02.21 MN
19) Benzo(a)anthracene	10.858	228	23910	17.36	ng/mL	98	
20) Chrysene	10.915	228	48006	28.24	ng/mL	92	
22) Benzo(b)fluoranthene	12.790	252	38645	31.18	ng/mL	95	
23) Benzo(k)fluoranthene	12.842	252	12133	8.83	ng/mL	97	
24) benzo(b+k)fluoranthene...	12.790	252	50839m	37.75	ng/mL		
25) Benzo(e)pyrene	13.279	252	20270	16.21	ng/mL	78	
27) Benzo(a)pyrene	13.372	252	12723	11.25	ng/mL	97	
28) Perylene	13.527	252	3575	2.81	ng/mL#	1	
29) Indeno(1,2,3-cd)pyrene	15.362	276	14512	14.99	ng/mL	93	
30) Dibenz(a,h)anthracene	15.425	278	5779	5.99	ng/mL#	54	
31) Benzo(g,h,i)perylene	15.786	276	15730	12.51	ng/mL	97	

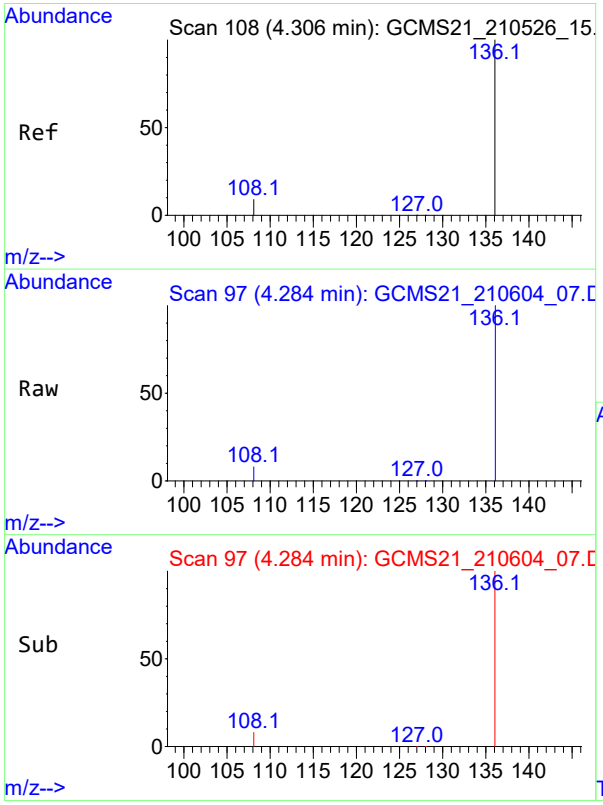
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_07.D
Acq On : 04 Jun 2021 11:09
Operator : MN GCMS21
Sample : 2105001-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 12:01:19 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

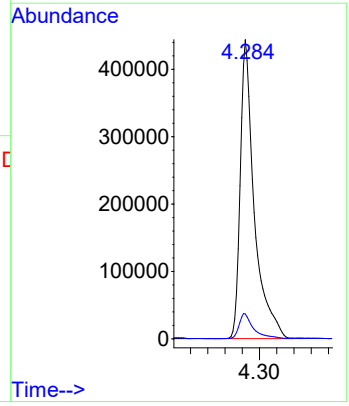


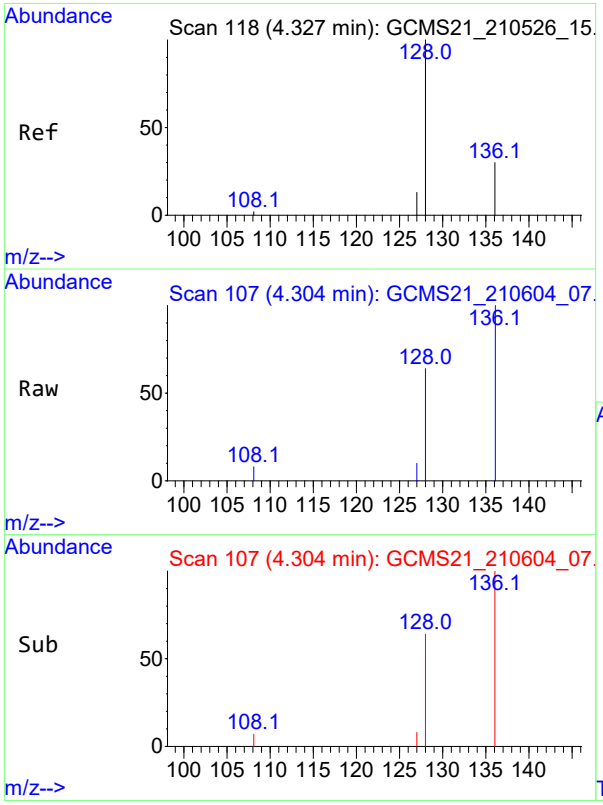


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.284 min Scan# 97
Delta R.T. -0.004 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:136 Resp: 498854

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.6

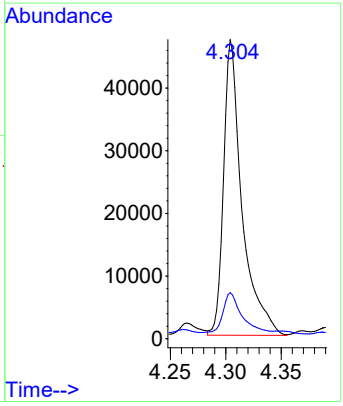


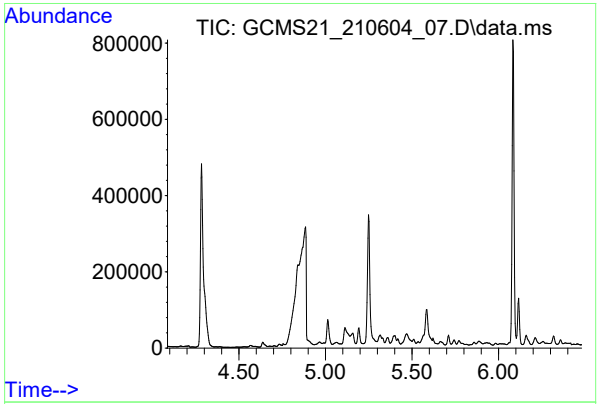


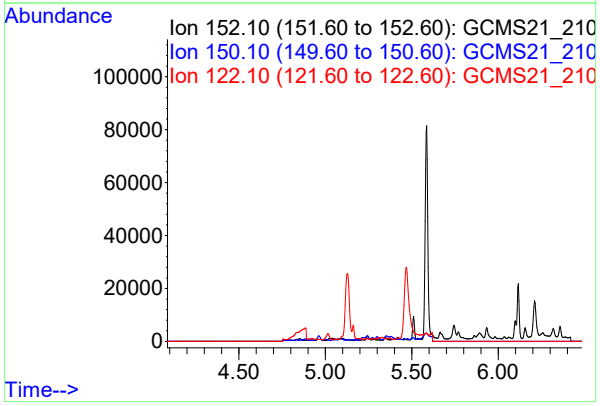
#2
Naphthalene
Concen: 56.97 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.004 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:128 Resp: 54531

Ion	Ratio	Lower	Upper
128	100		
127	13.5	0.0	43.4





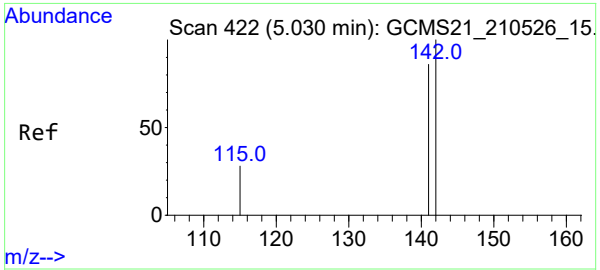


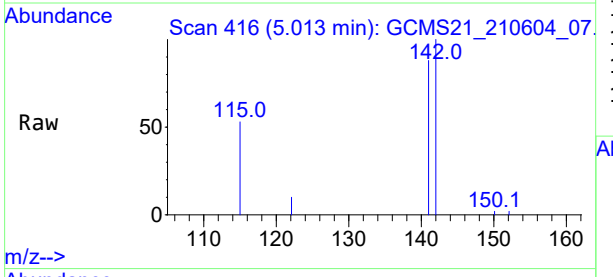
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.98 min

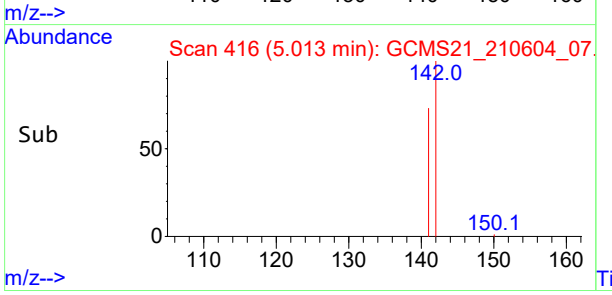
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.8



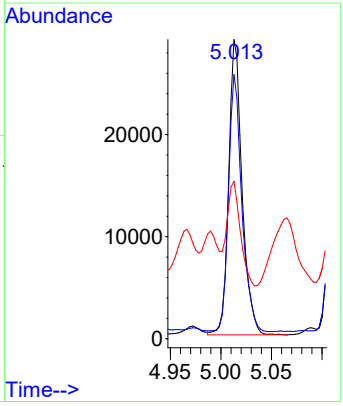


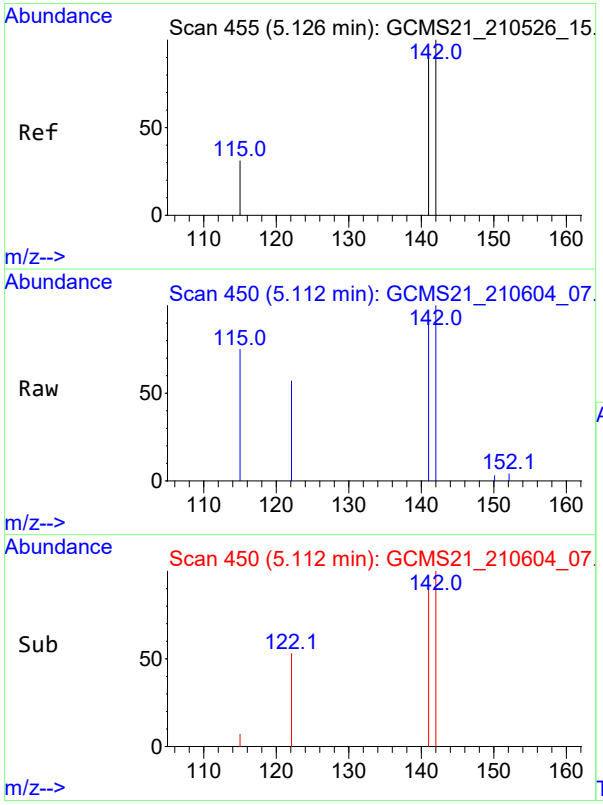


#4
2-Methylnaphthalene
Concen: 37.96 ng/mL
RT: 5.013 min Scan# 416
Delta R.T. -0.000 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:142 Resp: 26757

Ion	Ratio	Lower	Upper
142	100		
141	86.0	56.9	116.9
115	34.3	0.0	57.7

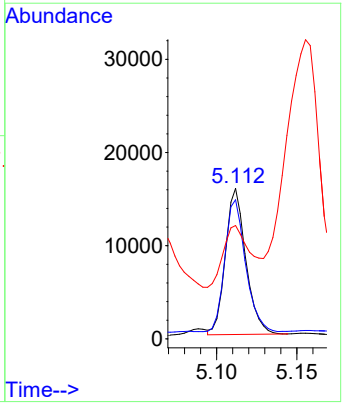


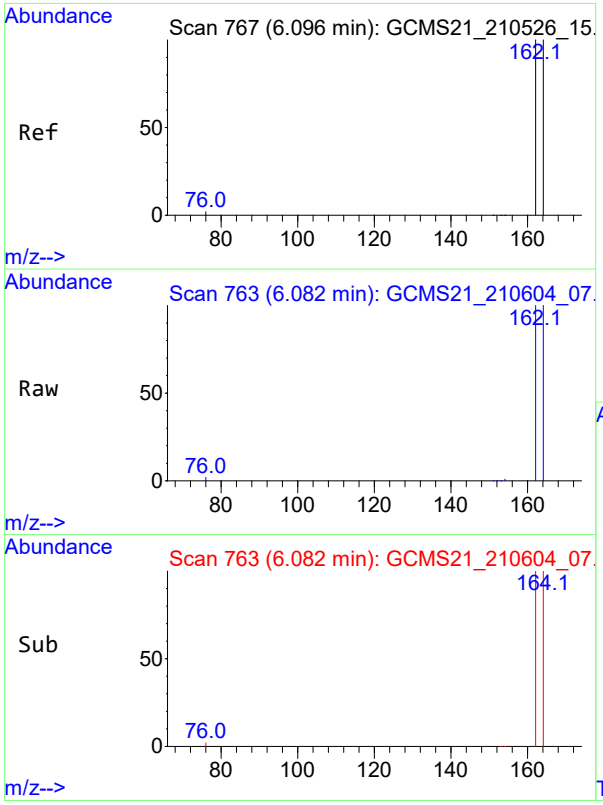


#5
1-Methylnaphthalene
Concen: 23.65 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:142 Resp: 13885

Ion	Ratio	Lower	Upper
142	100		
141	91.6	57.9	117.9
115	58.4	0.0	57.0#

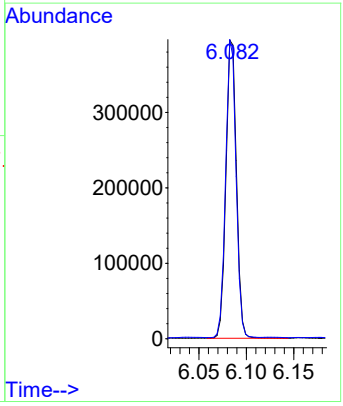


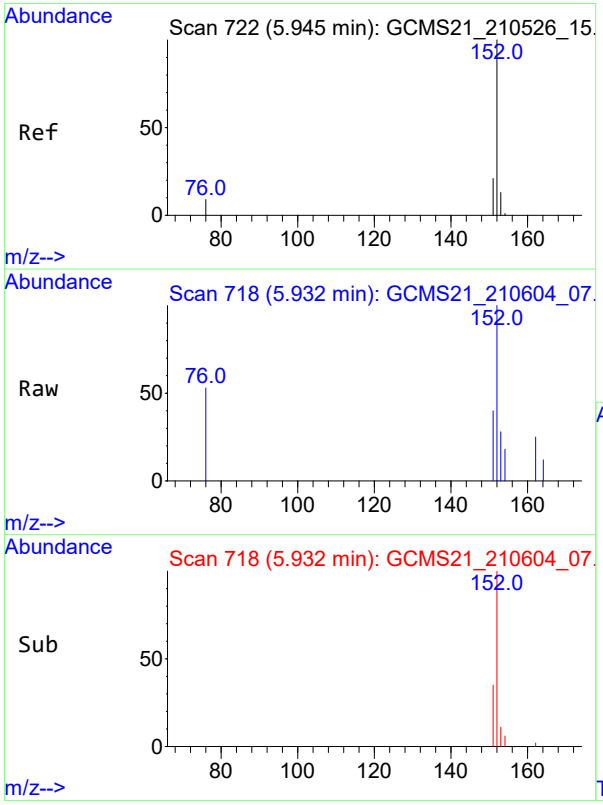


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.082 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:164 Resp: 304541

Ion	Ratio	Lower	Upper
164	100		
162	98.9	81.0	121.0

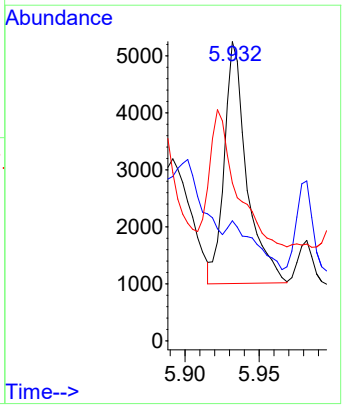


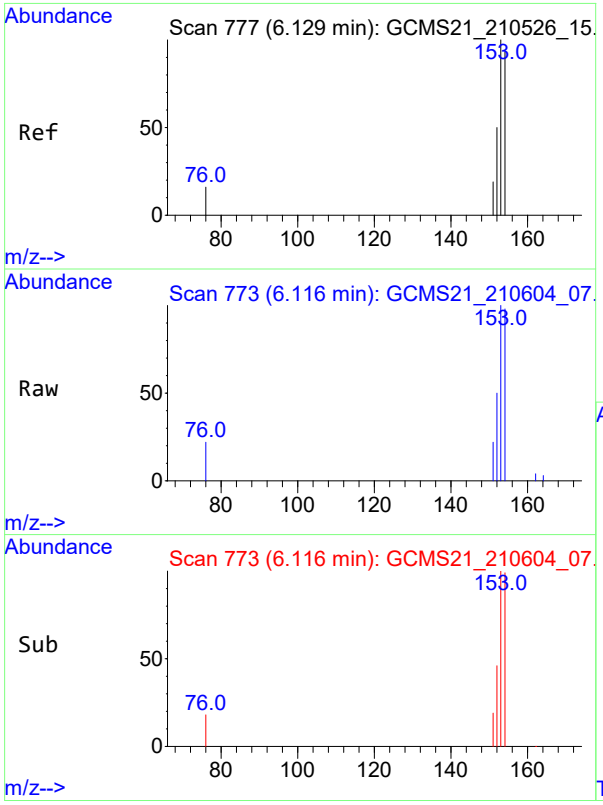


#7
Acenaphthylene
Concen: 4.42 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:152 Resp: 4472

Ion	Ratio	Lower	Upper
152	100		
151	24.5	0.0	51.0
76	66.5	0.0	38.6#

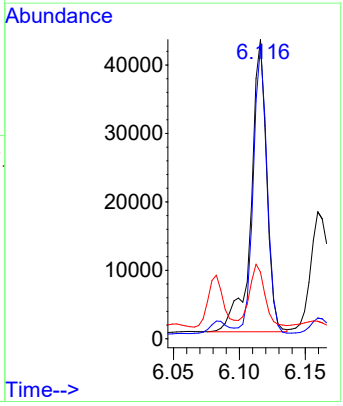


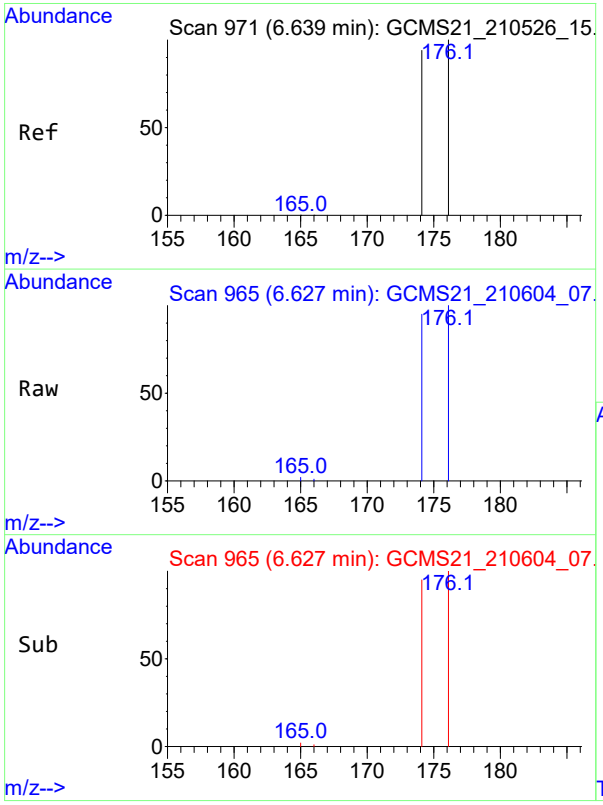


#8
Acenaphthene
Concen: 45.26 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:153 Resp: 35020

Ion	Ratio	Lower	Upper
153	100		
154	87.3	63.7	123.7
76	21.5	0.0	45.2

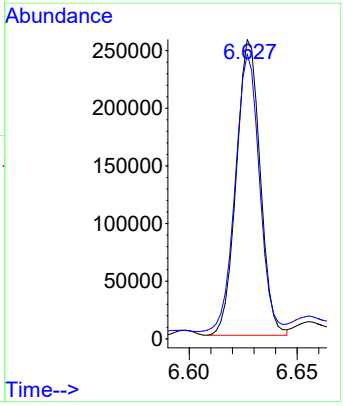


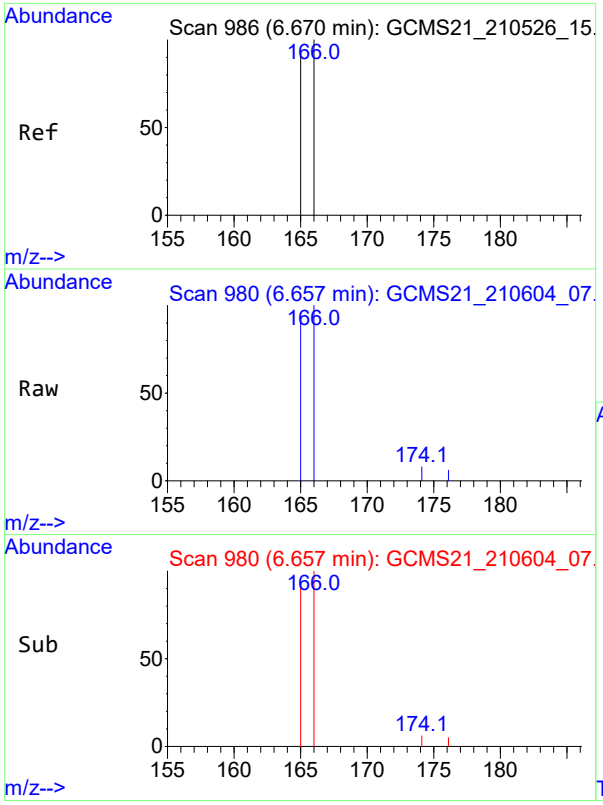


#9
Fluorene-D10
Concen: 269.94 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. 0.004 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:176 Resp: 196820

Ion	Ratio	Lower	Upper
176	100		
174	94.9	63.9	123.9

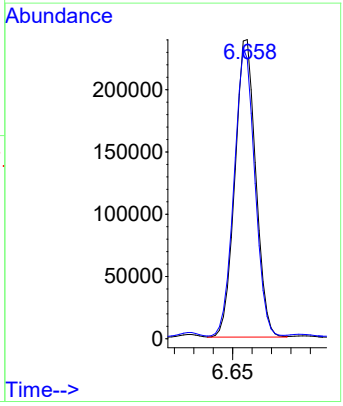


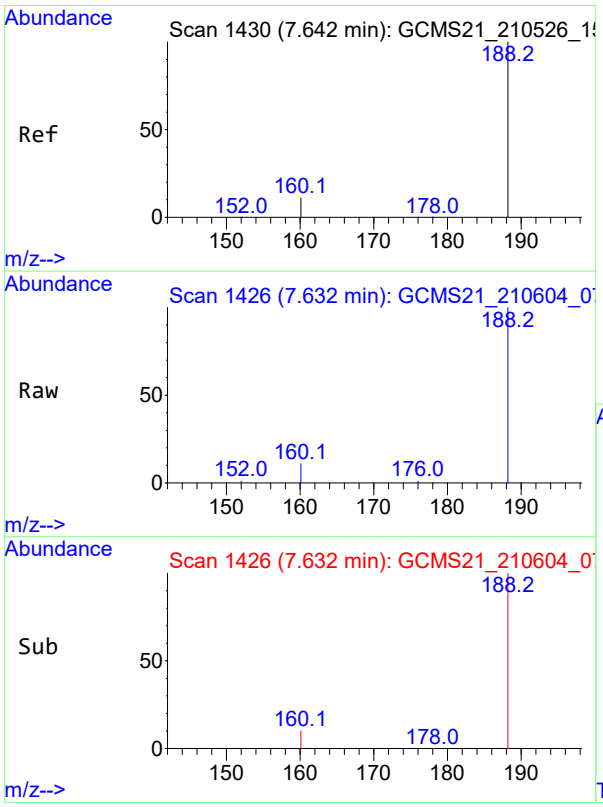


#10
Fluorene
Concen: 207.56 ng/mL
RT: 6.657 min Scan# 980
Delta R.T. 0.006 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:166 Resp: 177751

Ion	Ratio	Lower	Upper
166	100		
165	96.3	65.1	125.1

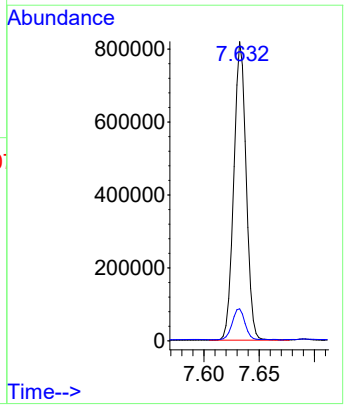


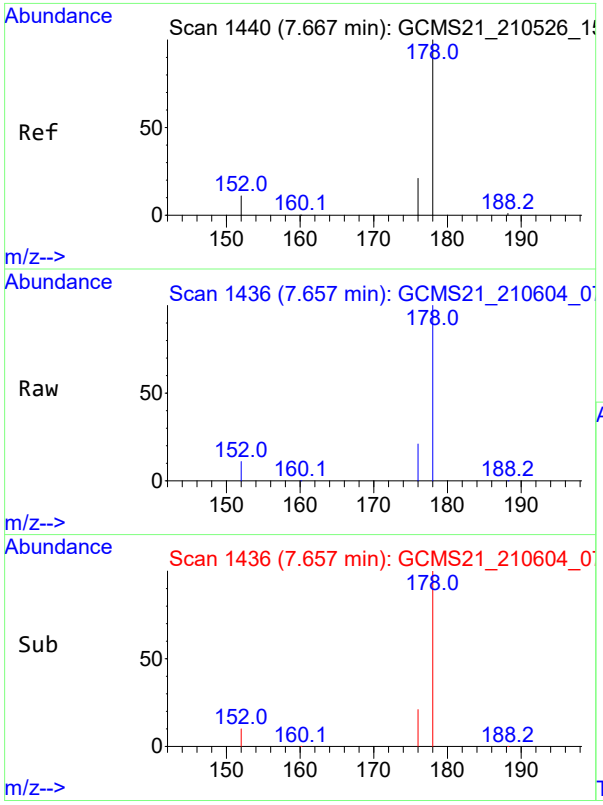


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.632 min Scan# 1426
Delta R.T. 0.005 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:188 Resp: 634635

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

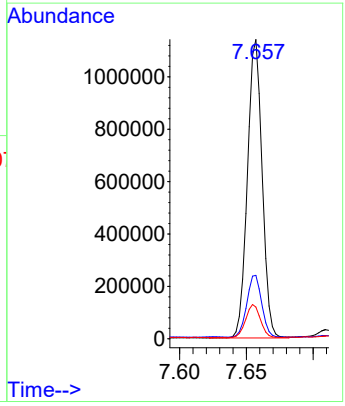


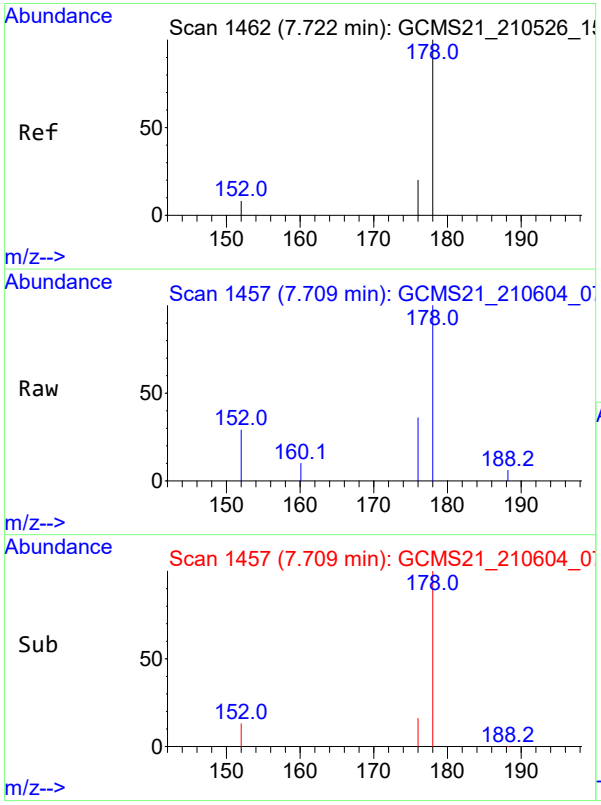


#12
Phenanthrene
Concen: 569.79 ng/mL
RT: 7.657 min Scan# 1436
Delta R.T. 0.007 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:178 Resp: 872736

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	10.9	0.0	40.5

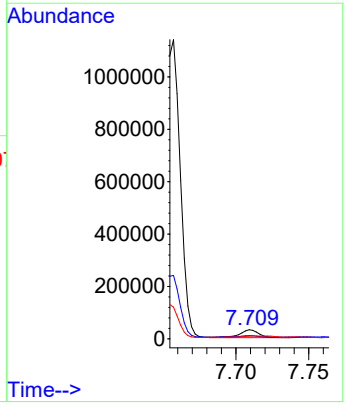


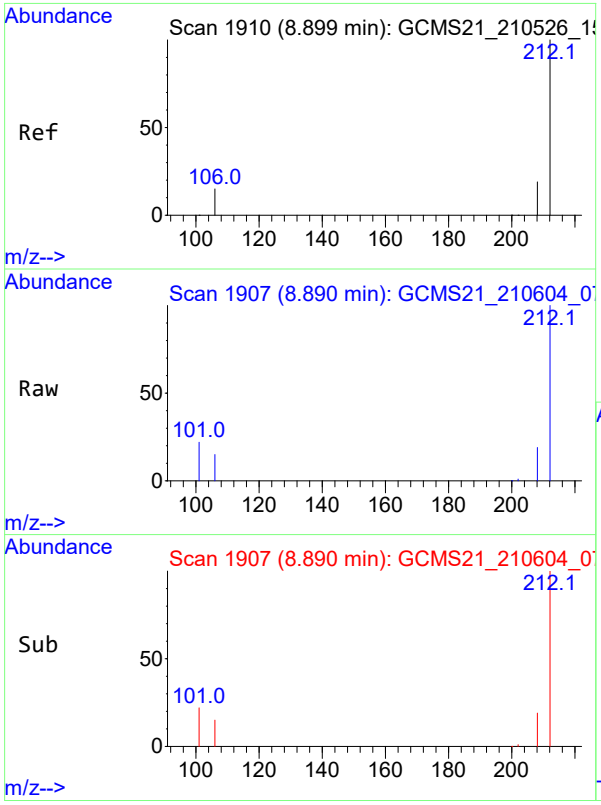


#13
Anthracene
Concen: 21.55 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:178 Resp: 27452

Ion	Ratio	Lower	Upper
178	100		
176	19.4	0.0	50.0
152	20.3	0.0	38.2

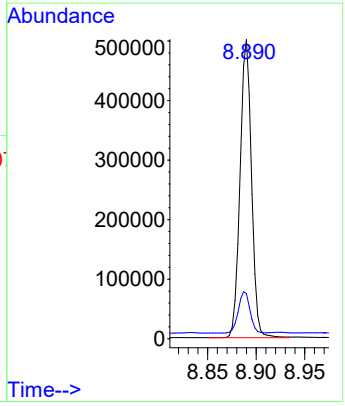


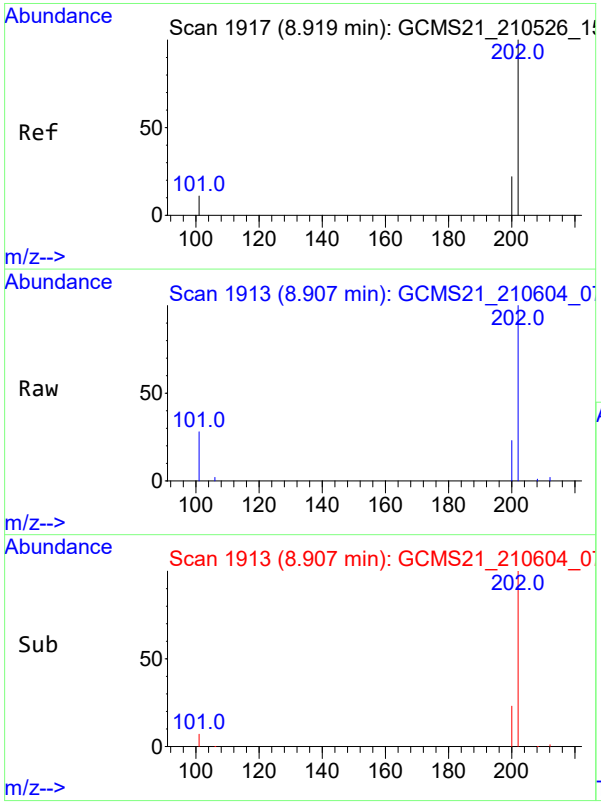


#14
Fluoranthene-D10
Concen: 298.25 ng/mL
RT: 8.890 min Scan# 1907
Delta R.T. 0.009 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:212 Resp: 409846

Ion	Ratio	Lower	Upper
212	100		
106	14.2	0.0	43.1

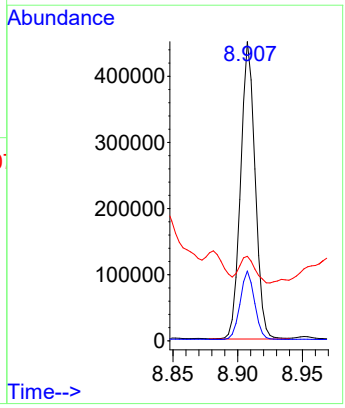


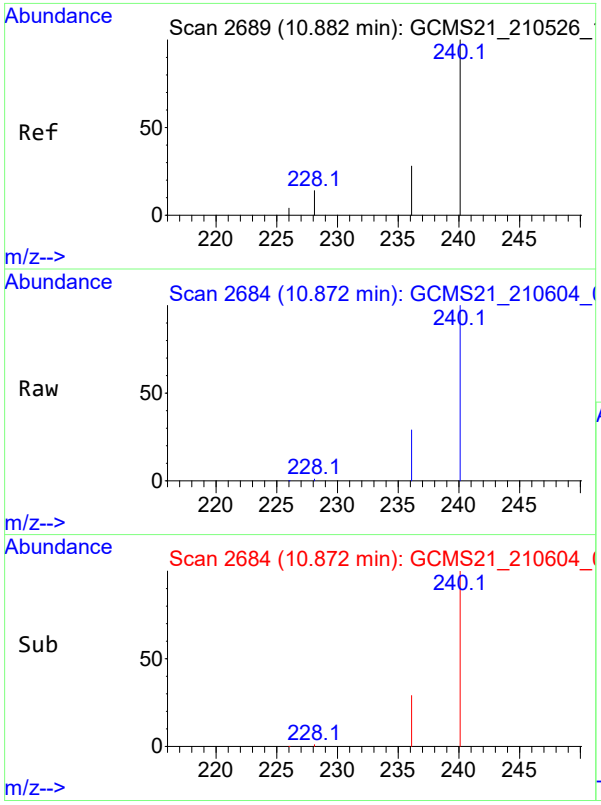


#15
Fluoranthene
Concen: 217.09 ng/mL
RT: 8.907 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:202 Resp: 350927

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	53.3
101	9.5	0.0	41.8

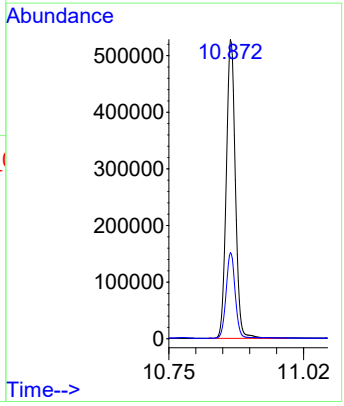


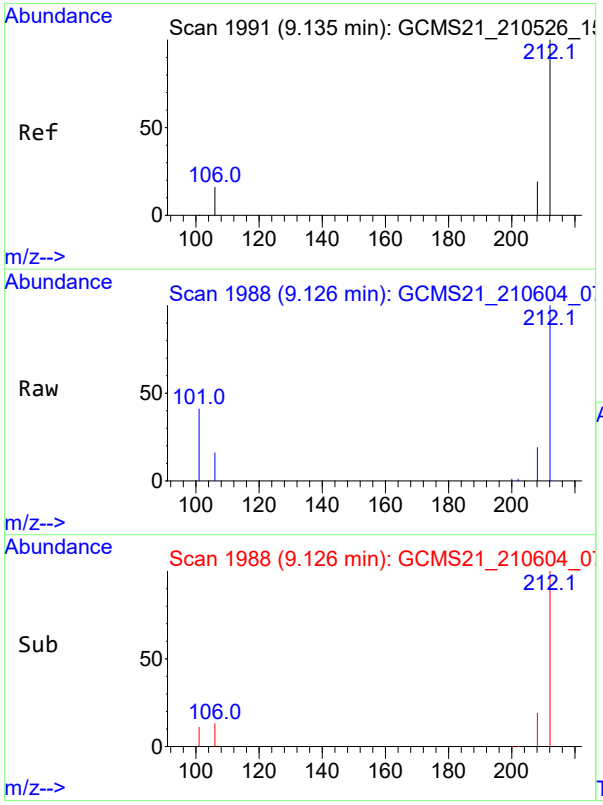


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. 0.010 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:240 Resp: 684670

Ion	Ratio	Lower	Upper
240	100		
236	28.6	0.0	58.5

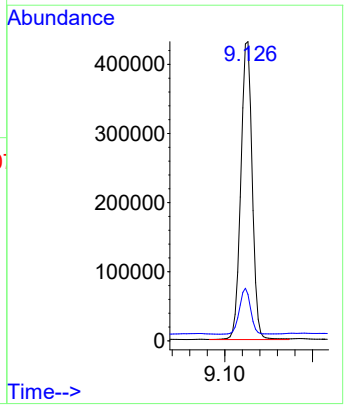


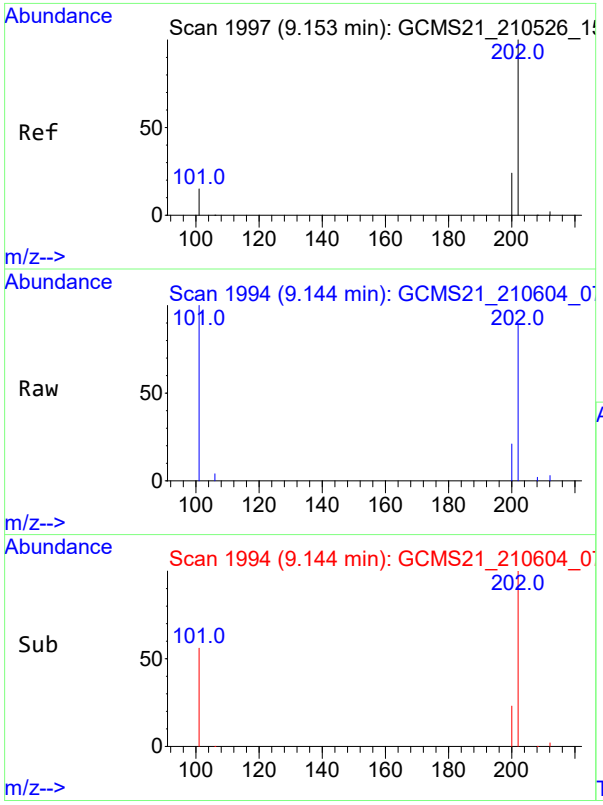


#17
Pyrene-D10
Concen: 248.41 ng/mL
RT: 9.126 min Scan# 1988
Delta R.T. 0.006 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:212 Resp: 388050

Ion	Ratio	Lower	Upper
212	100		
106	15.1	0.0	46.3

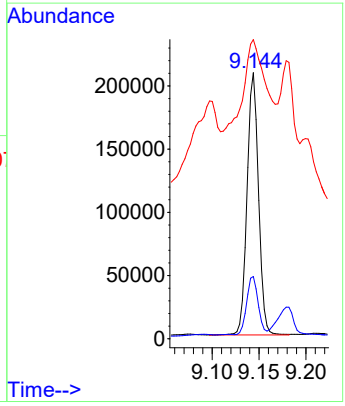


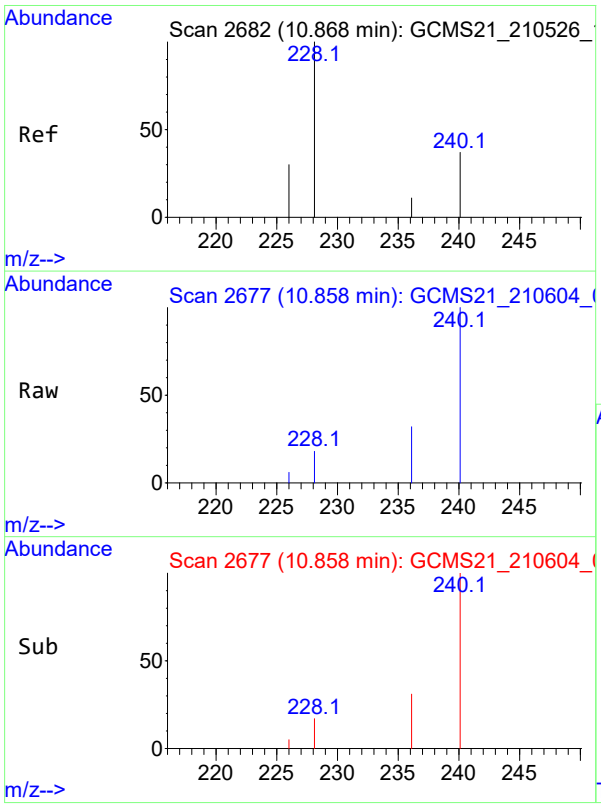


#18
Pyrene
Concen: 96.39 ng/mL m
RT: 9.144 min Scan# 1994
Delta R.T. 0.003 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:202 Resp: 175892

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.3
101	26.7	0.0	43.2

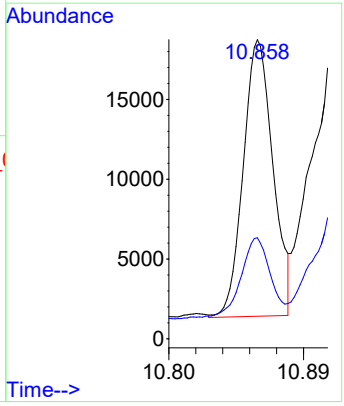


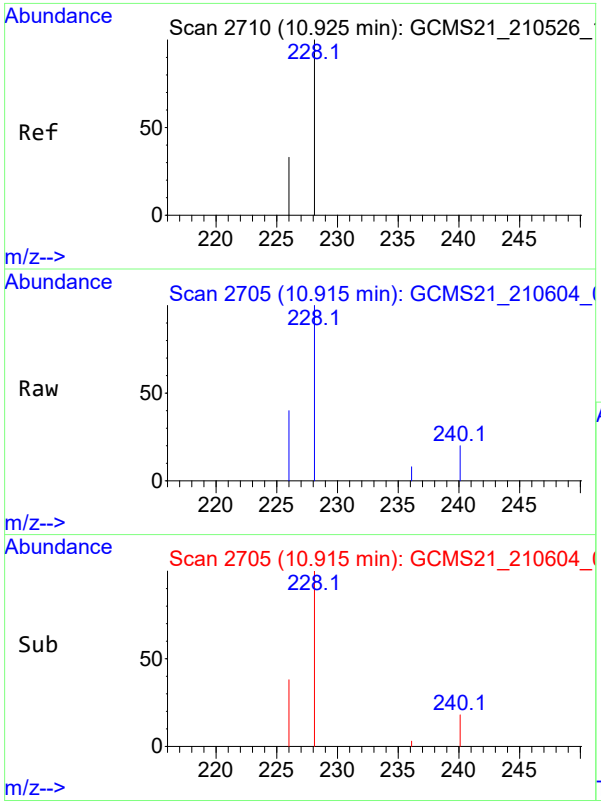


#19
Benzo(a)anthracene
Concen: 17.36 ng/mL
RT: 10.858 min Scan# 2677
Delta R.T. 0.010 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:228 Resp: 23910

Ion	Ratio	Lower	Upper
228	100		
226	28.0	0.0	59.2

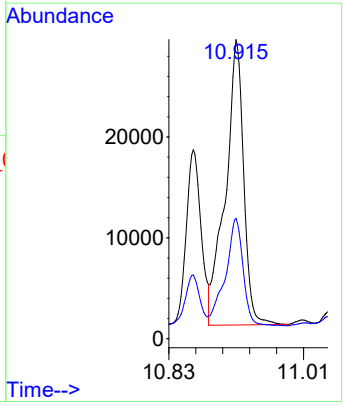


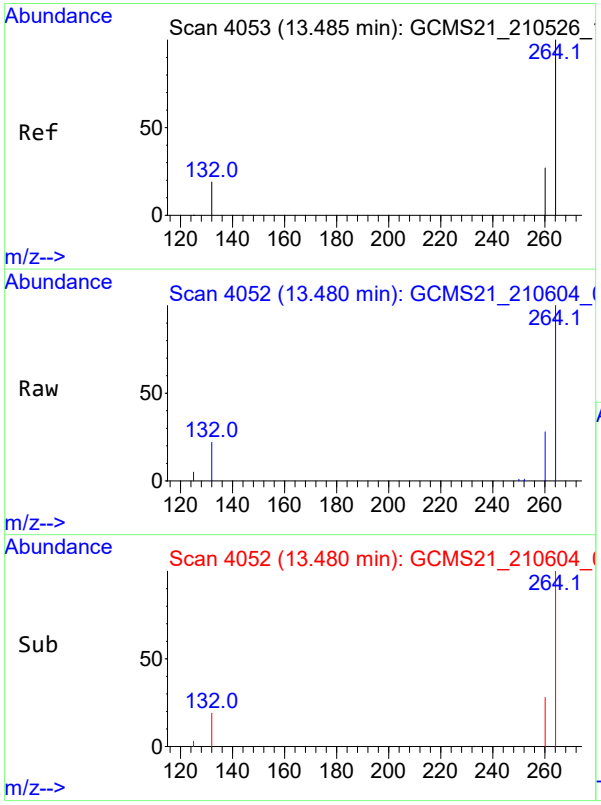


#20
Chrysene
Concen: 28.24 ng/mL
RT: 10.915 min Scan# 2705
Delta R.T. 0.010 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:228 Resp: 48006

Ion	Ratio	Lower	Upper
228	100		
226	36.3	1.9	61.9

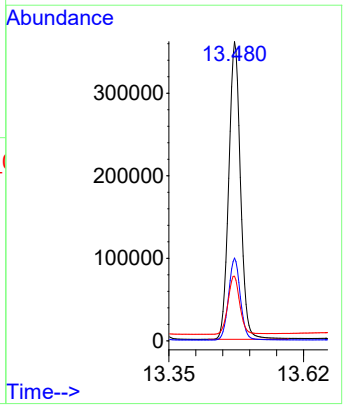


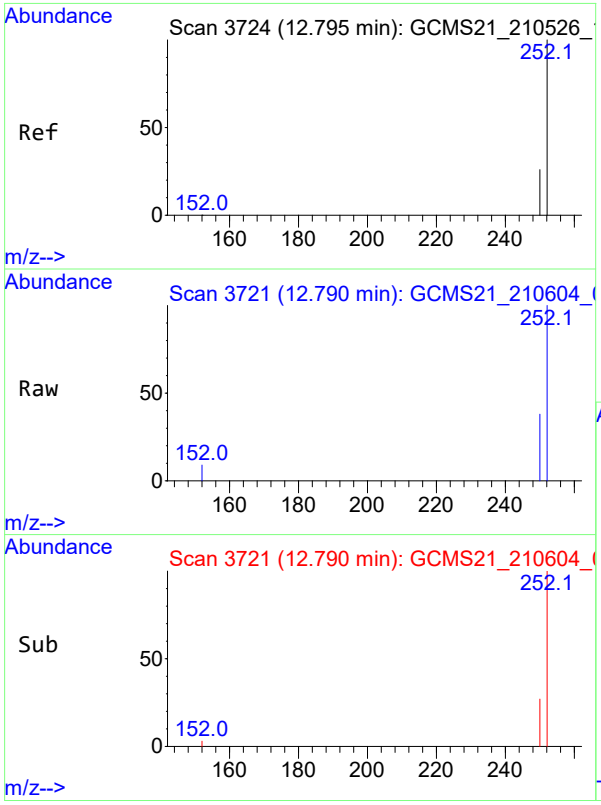


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.480 min Scan# 4052
Delta R.T. 0.019 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:264 Resp: 597135

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.7
132	19.7	0.0	49.0

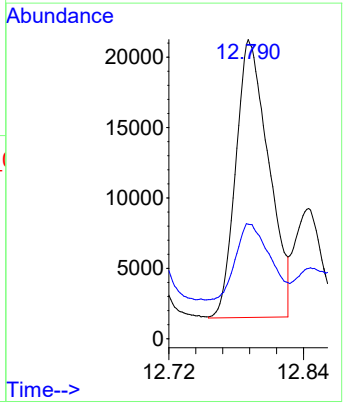


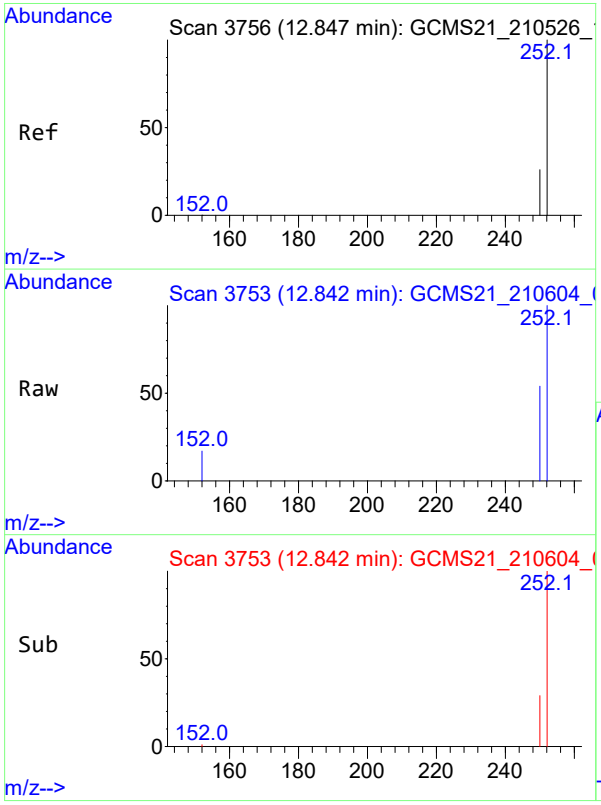


#22
Benzo(b)fluoranthene
Concen: 31.18 ng/mL
RT: 12.790 min Scan# 3721
Delta R.T. 0.018 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 38645

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	56.1

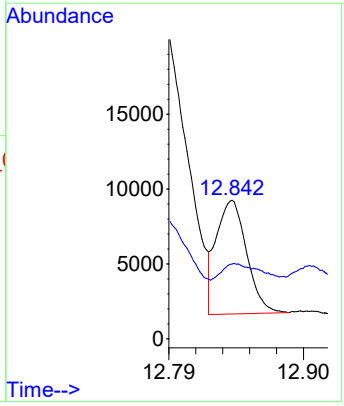


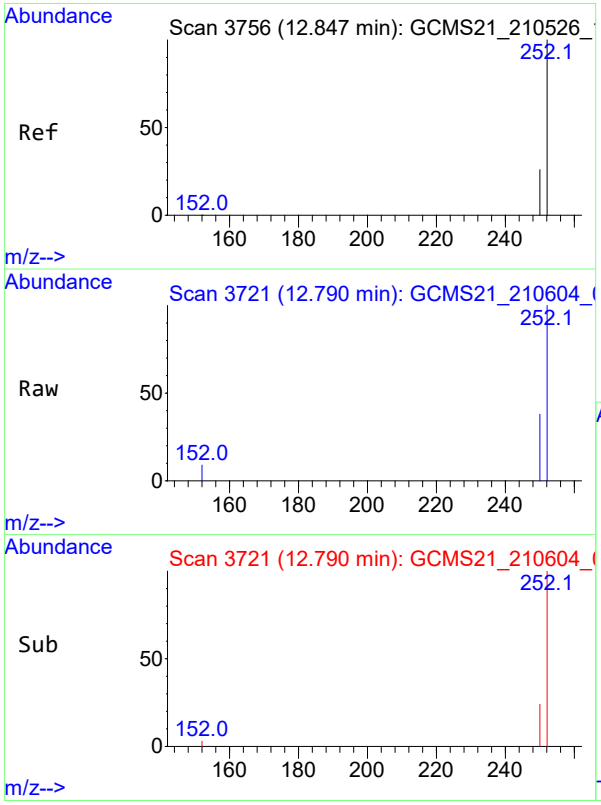


#23
Benzo(k)fluoranthene
Concen: 8.83 ng/mL
RT: 12.842 min Scan# 3753
Delta R.T. 0.019 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 12133

Ion	Ratio	Lower	Upper
252	100		
250	24.1	0.0	55.4

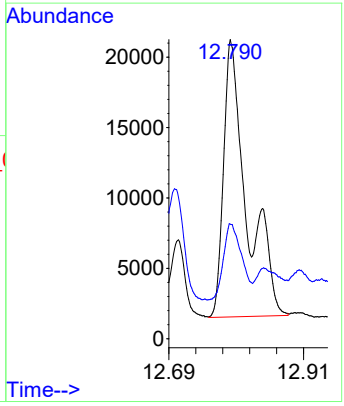


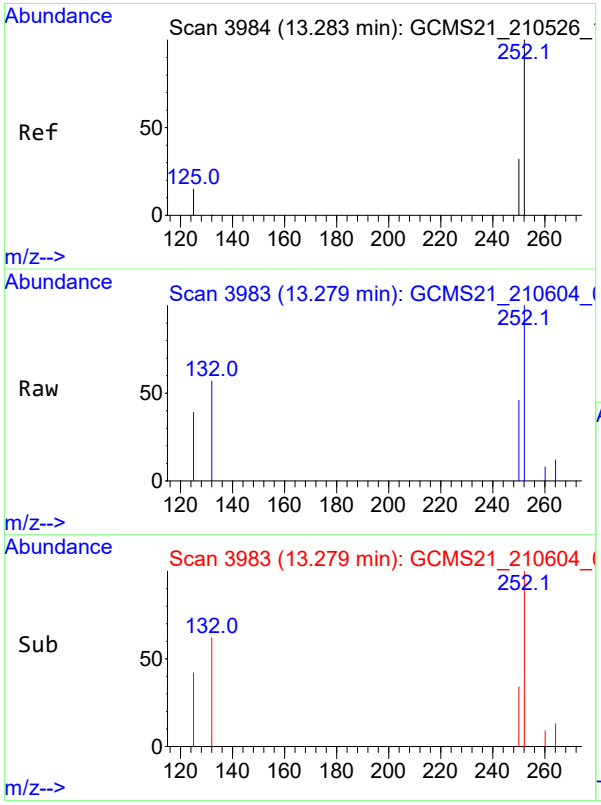


#24
benzo(b+k)fluoranthene (sum)
Concen: 37.75 ng/mL m
RT: 12.790 min Scan# 3721
Delta R.T. -0.033 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 50839

Ion	Ratio	Lower	Upper
252	100		
250	6.6	0.0	55.4

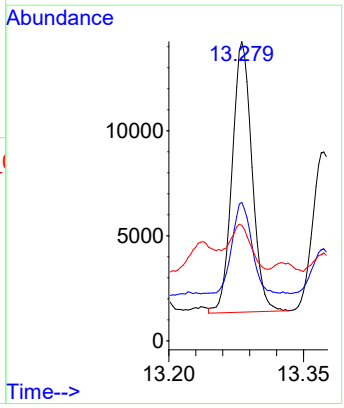


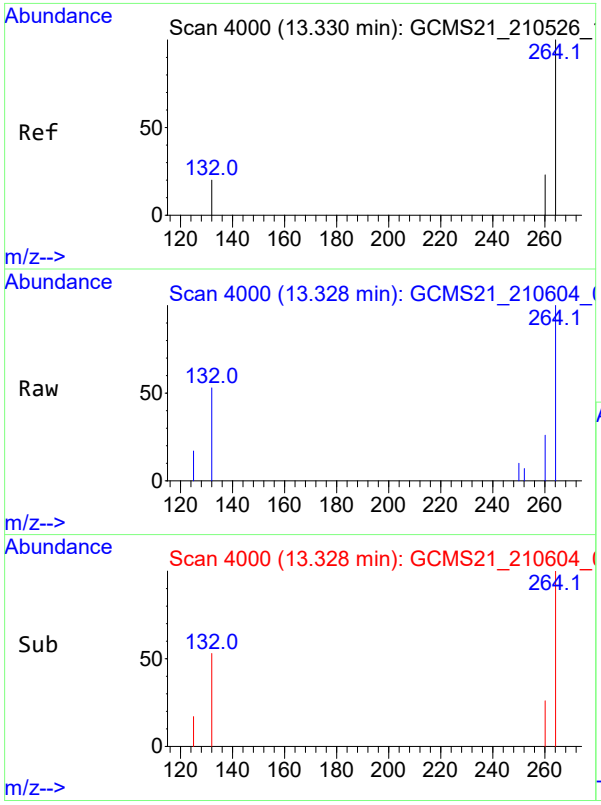


#25
Benzo(e)pyrene
Concen: 16.21 ng/mL
RT: 13.279 min Scan# 3983
Delta R.T. 0.019 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 20270

Ion	Ratio	Lower	Upper
252	100		
250	33.7	2.1	62.1
125	41.7	0.0	45.8

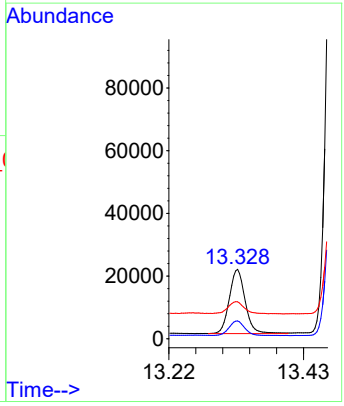


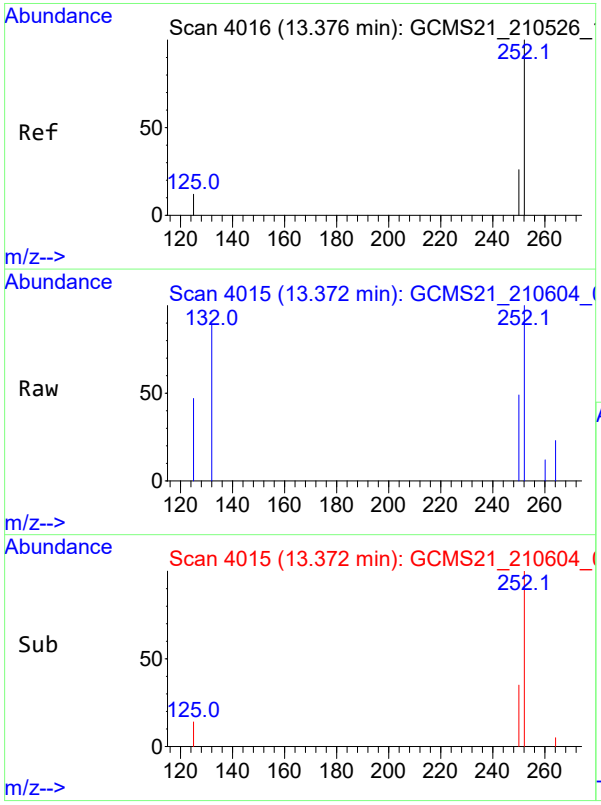


#26
Benzo(a)pyrene-D12
Concen: 35.06 ng/mL
RT: 13.328 min Scan# 4000
Delta R.T. 0.016 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:264 Resp: 34013

Ion	Ratio	Lower	Upper
264	100		
260	21.8	0.0	52.9
132	19.1	0.0	48.4

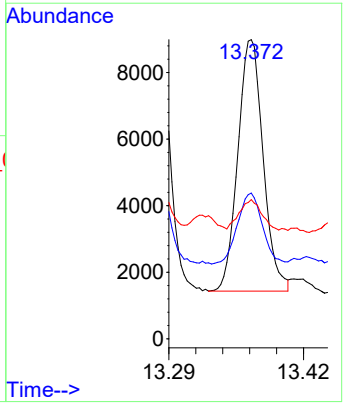


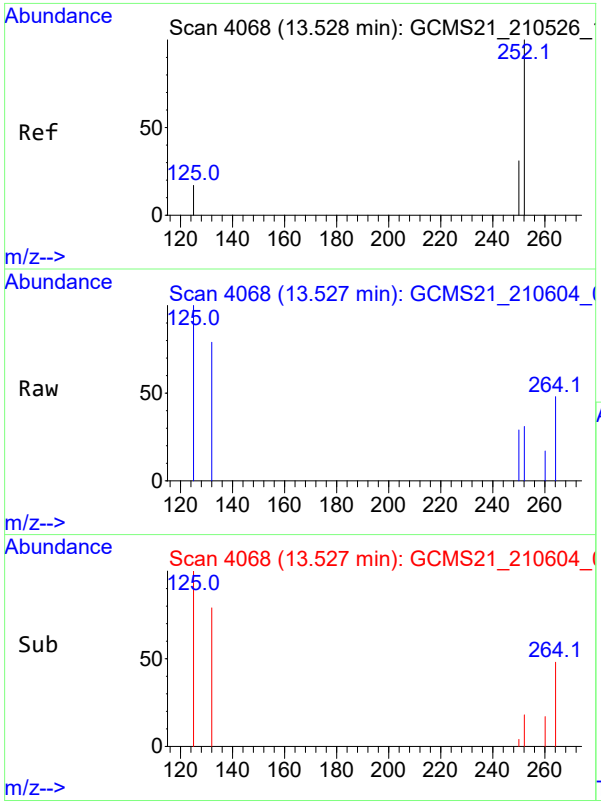


#27
Benzo(a)pyrene
Concen: 11.25 ng/mL
RT: 13.372 min Scan# 4015
Delta R.T. 0.022 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 12723

Ion	Ratio	Lower	Upper
252	100		
250	28.1	0.0	56.7
125	10.4	0.0	42.1

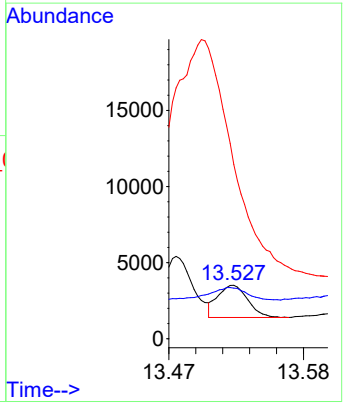


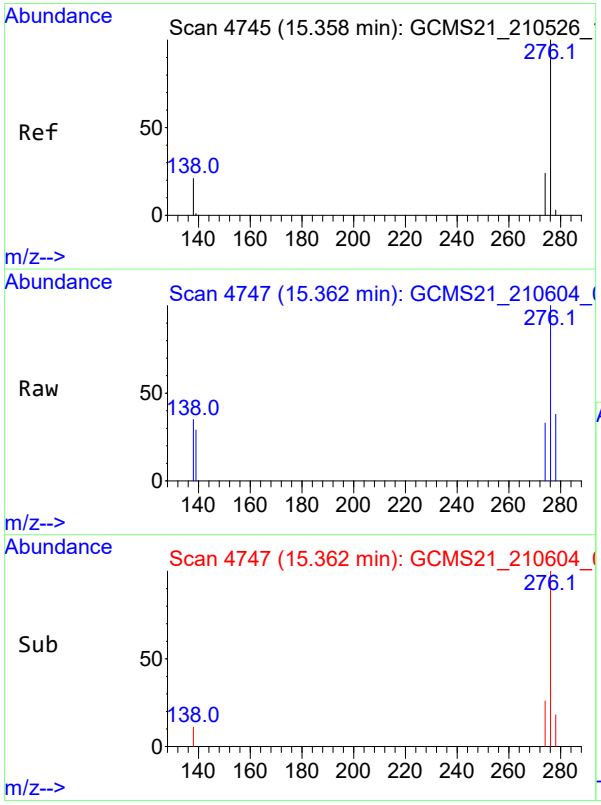


#28
Perylene
Concen: 2.81 ng/mL
RT: 13.527 min Scan# 4068
Delta R.T. 0.022 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 3575

Ion	Ratio	Lower	Upper
252	100		
250	95.9	1.2	61.2#
125	1741.2	0.0	46.5#

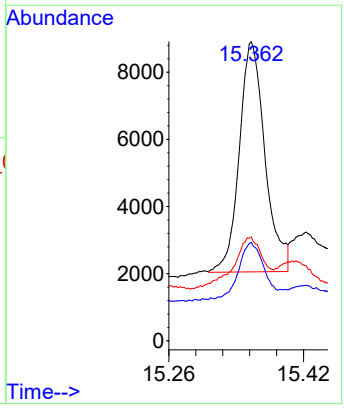


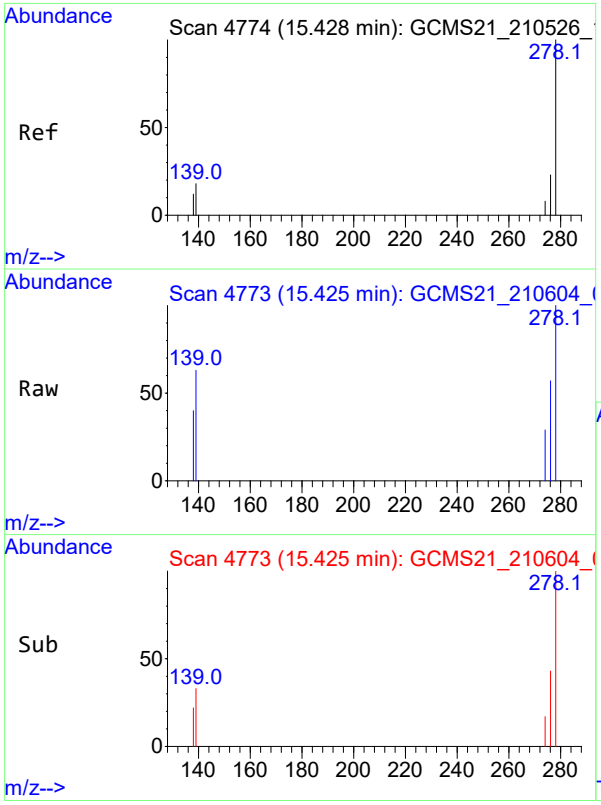


#29
Indeno(1,2,3-cd)pyrene
Concen: 14.99 ng/mL
RT: 15.362 min Scan# 4747
Delta R.T. 0.030 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:276 Resp: 14512

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	53.5
138	26.7	0.0	50.6

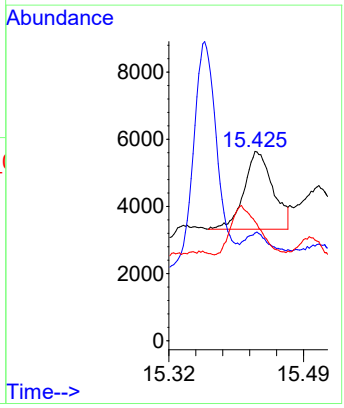


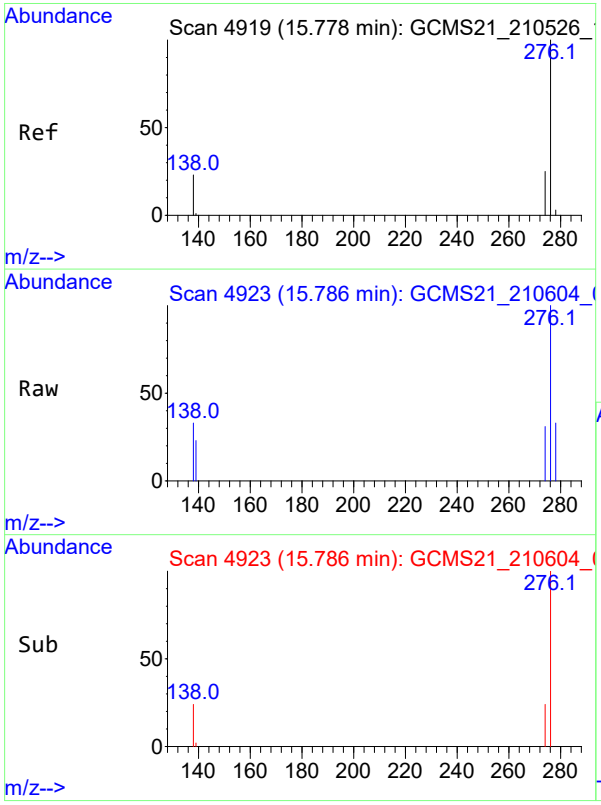


#30
Dibenz(a,h)anthracene
Concen: 5.99 ng/mL
RT: 15.425 min Scan# 4773
Delta R.T. 0.020 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:278 Resp: 5779

Ion	Ratio	Lower	Upper
278	100		
276	23.8	0.0	58.7
139	64.5	0.0	47.2#

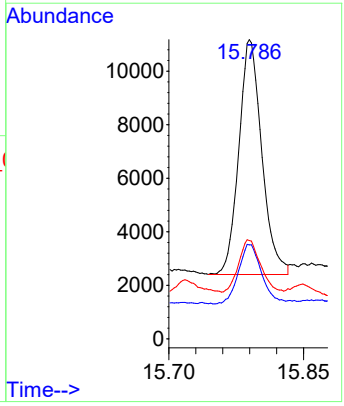




#31
Benzo(g,h,i)perylene
Concen: 12.51 ng/mL
RT: 15.786 min Scan# 4923
Delta R.T. 0.030 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:276 Resp: 15730

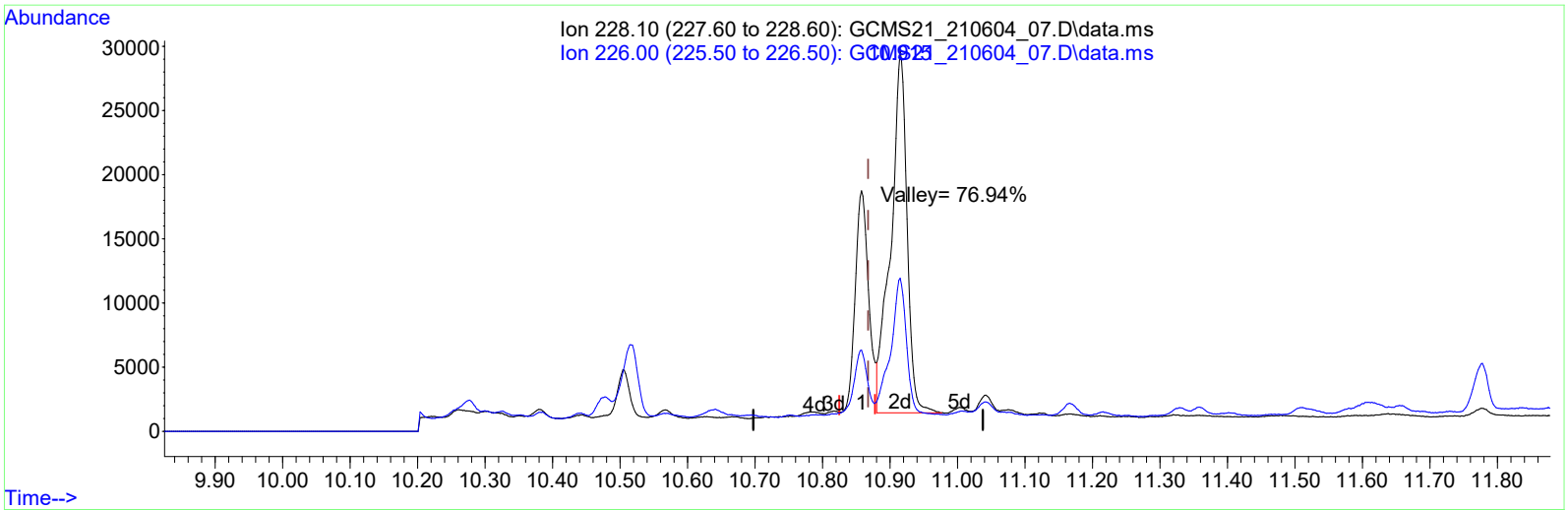
Ion	Ratio	Lower	Upper
276	100		
274	25.5	0.0	54.2
138	20.9	0.0	52.4

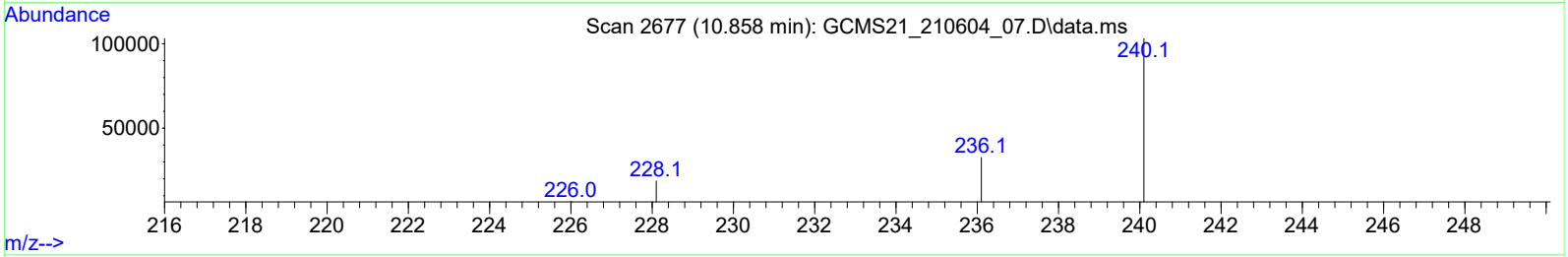


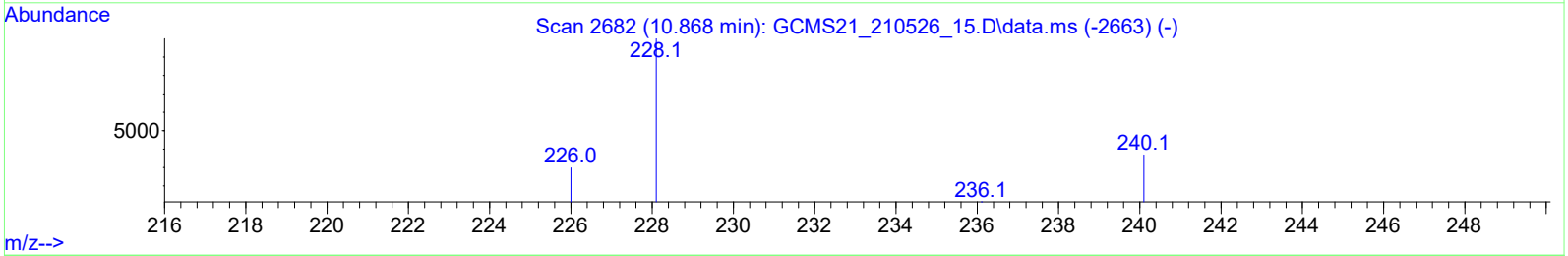
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
...604__B21E006\
Data File : GCMS21_210604_07.D
Acq On : 04 Jun 2021 11:09 am
Operator : MN GCMS21
Sample : 2105001-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 02 11:31:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_07.D\data.ms

(19) Benzo(a)anthracene (M)

10.858min (-0.010) 17.59 ng/mL

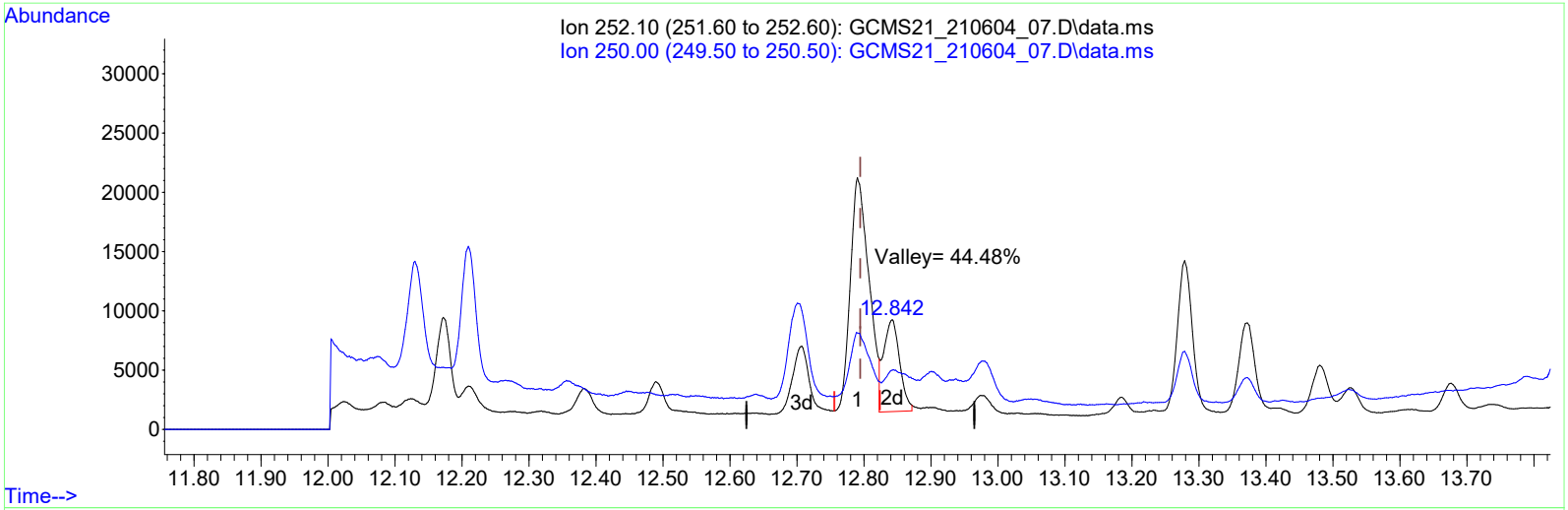
response 24219

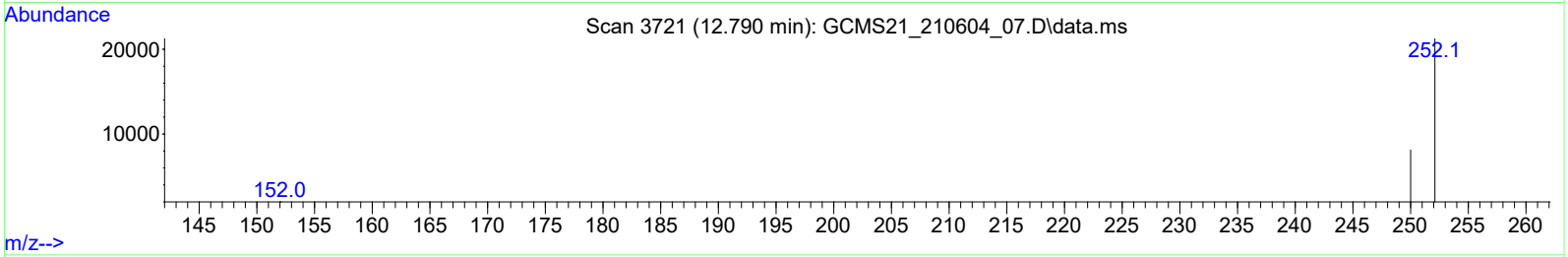
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.80	27.61
0.00	0.00	0.00
0.00	0.00	0.00

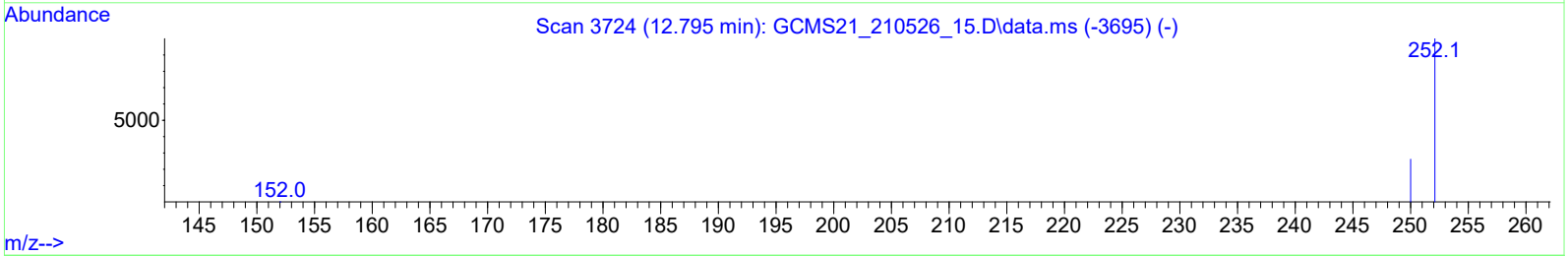
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 604__B21E006\
Data File : GCMS21_210604_07.D
Acq On : 04 Jun 2021 11:09 am
Operator : MN GCMS21
Sample : 2105001-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 02 11:31:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_07.D\data.ms

(22) Benzo(b)fluoranthene (M)

12.790min (-0.005) 31.18 ng/mL

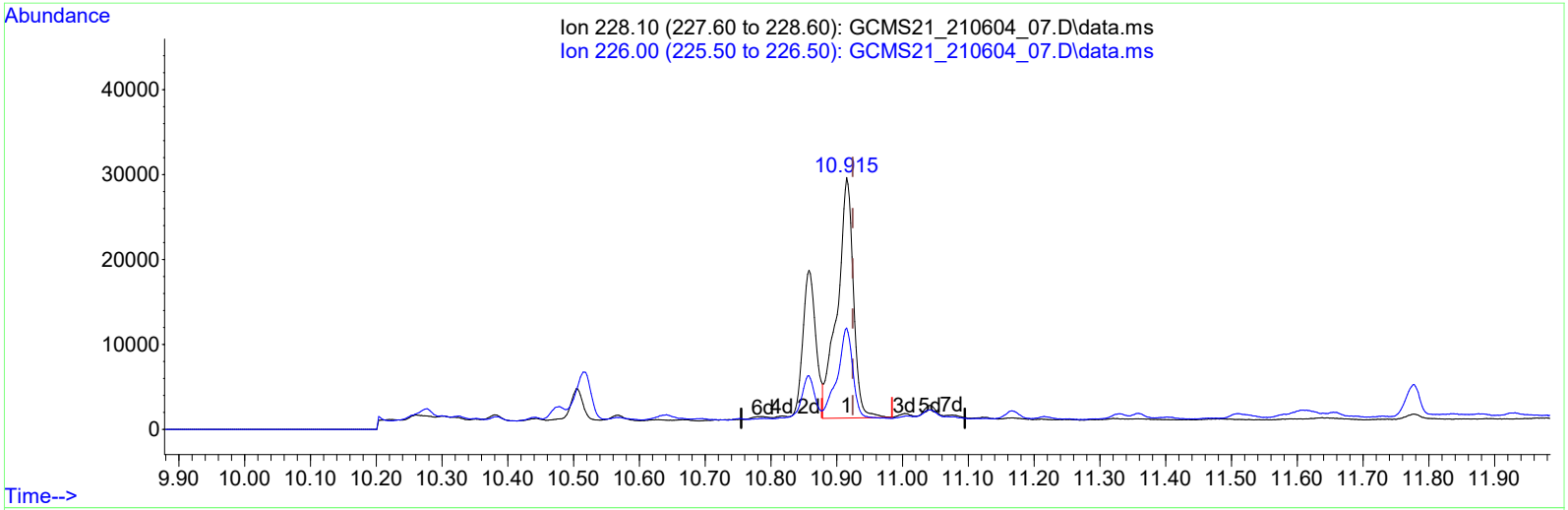
response 38645

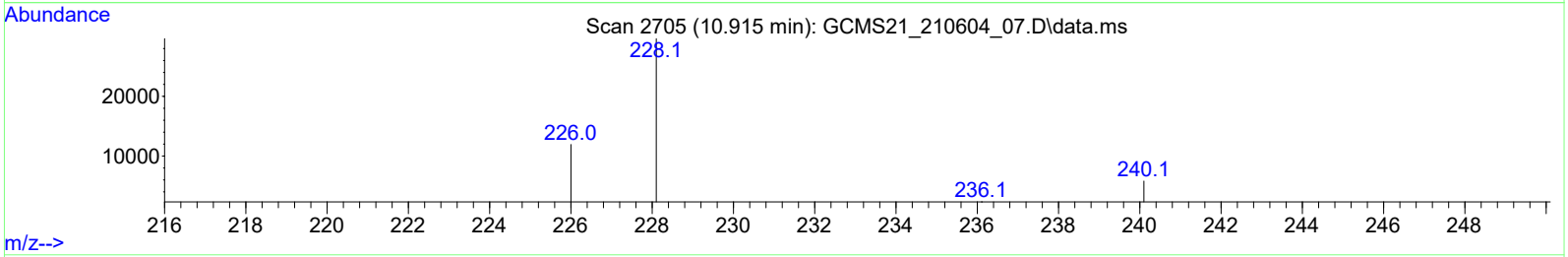
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	26.20	28.64
0.00	0.00	0.00
0.00	0.00	0.00

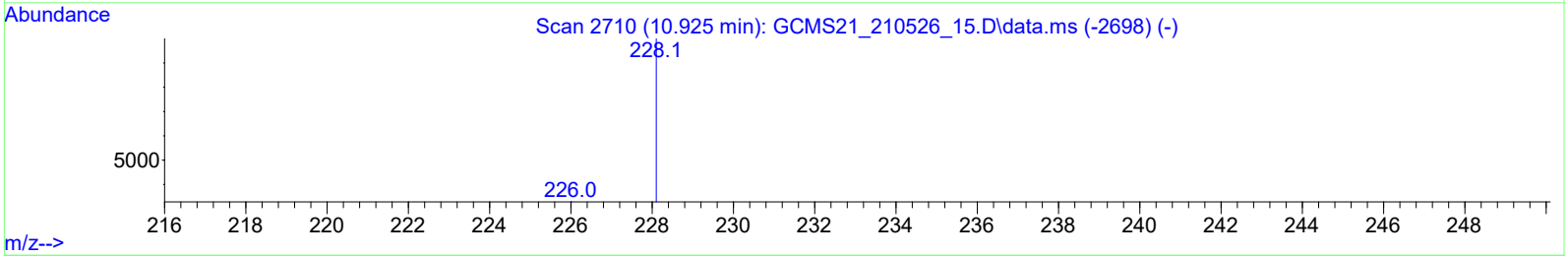
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 604__B21E006\
Data File : GCMS21_210604_07.D
Acq On : 04 Jun 2021 11:09 am
Operator : MN GCMS21
Sample : 2105001-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 02 11:31:52 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_07.D\data.ms

(20) Chrysene (M)

10.915min (-0.010) 28.33 ng/mL

response 48168

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	32.80	36.19
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_07.D
Acq On : 04 Jun 2021 11:09
Operator : MN GCMS21
Sample : 2105001-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 12:01:19 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

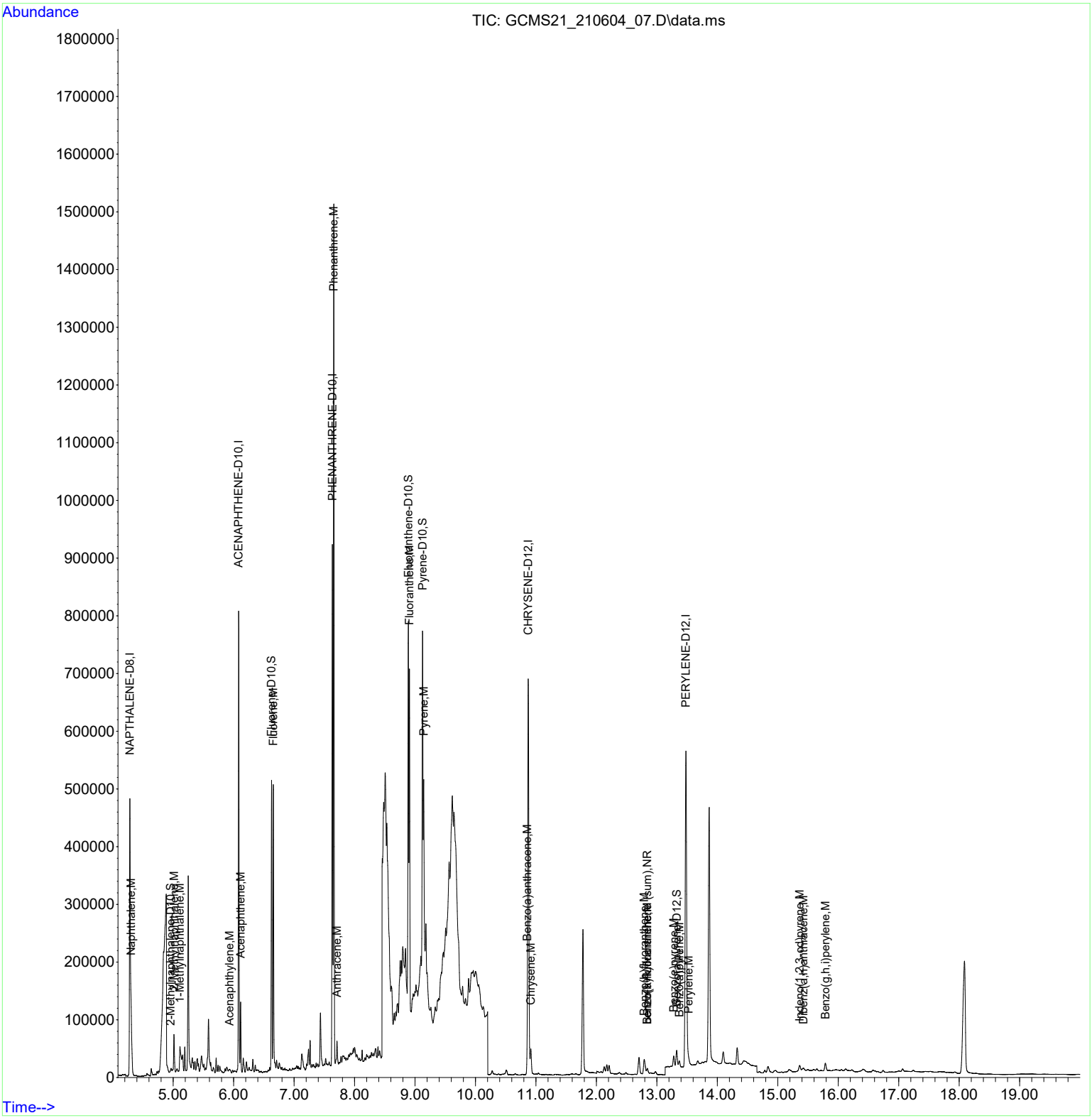
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.284	136	498854	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.082	164	304541	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.632	188	634635	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.872	240	684670	500.00	ng/mL	0.01
21) PERYLENE-D12	13.480	264	597135	500.00	ng/mL	0.02
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.958	152	703	1.12	ng/mL	-0.02
9) Fluorene-D10	6.627	176	196820	269.94	ng/mL	0.00
14) Fluoranthene-D10	8.890	212	409846	298.25	ng/mL	0.00
17) Pyrene-D10	9.126	212	388050	248.41	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.328	264	34013	35.06	ng/mL	0.02
Target Compounds						Qvalue
2) Naphthalene	4.304	128	54531	56.97	ng/mL	100
4) 2-Methylnaphthalene	5.013	142	26757	37.96	ng/mL	96
5) 1-Methylnaphthalene	5.112	142	13885	23.65	ng/mL#	83
7) Acenaphthylene	5.932	152	4472	4.42	ng/mL#	48
8) Acenaphthene	6.116	153	35020	45.26	ng/mL	92
10) Fluorene	6.657	166	177751	207.56	ng/mL	99
12) Phenanthrene	7.657	178	872736	569.79	ng/mL	99
13) Anthracene	7.709	178	27452	21.55	ng/mL	89
15) Fluoranthene	8.907	202	350927	217.09	ng/mL	98
18) Pyrene	9.144	202	175892	96.39	ng/mL#	1
19) Benzo(a)anthracene	10.858	228	23910	17.36	ng/mL	98
20) Chrysene	10.915	228	48006	28.24	ng/mL	92
22) Benzo(b)fluoranthene	12.790	252	38645	31.18	ng/mL	95
23) Benzo(k)fluoranthene	12.842	252	12133	8.83	ng/mL	97
24) benzo(b+k)fluoranthene...	12.842	252	12133	9.01	ng/mL	96
25) Benzo(e)pyrene	13.279	252	20270	16.21	ng/mL	78
27) Benzo(a)pyrene	13.372	252	12723	11.25	ng/mL	97
28) Perylene	13.527	252	3575	2.81	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.362	276	14512	14.99	ng/mL	93
30) Dibenz(a,h)anthracene	15.425	278	5779	5.99	ng/mL#	54
31) Benzo(g,h,i)perylene	15.786	276	15730	12.51	ng/mL	97

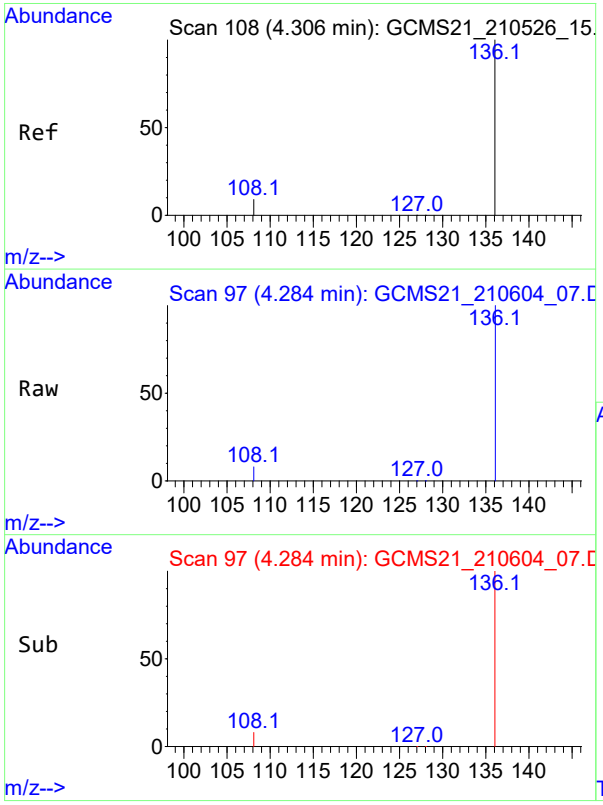
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_07.D
Acq On : 04 Jun 2021 11:09
Operator : MN GCMS21
Sample : 2105001-16
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 30 12:01:19 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

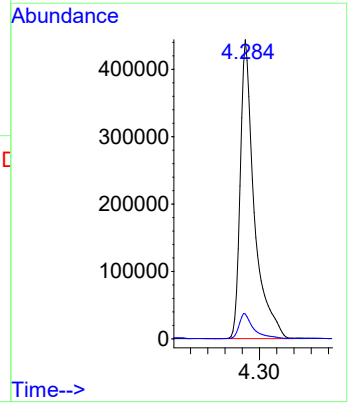


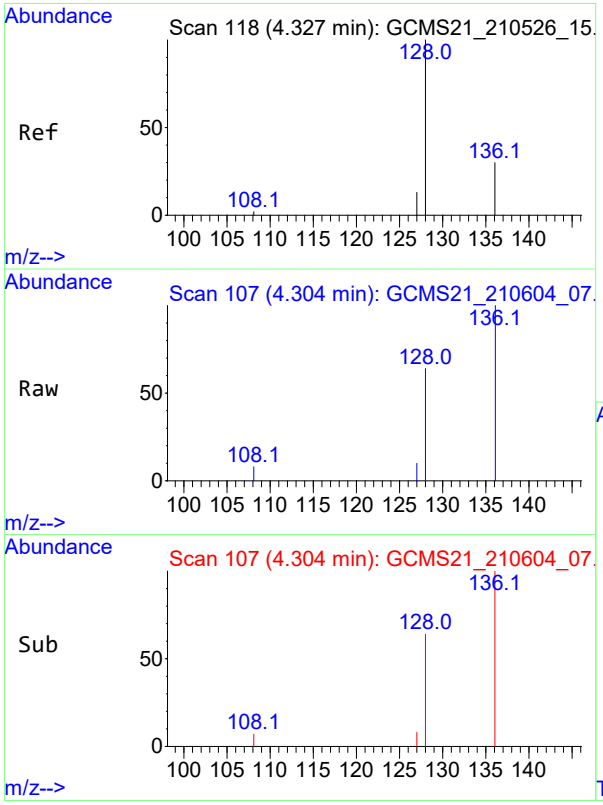


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.284 min Scan# 97
Delta R.T. -0.004 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:136 Resp: 498854

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.6

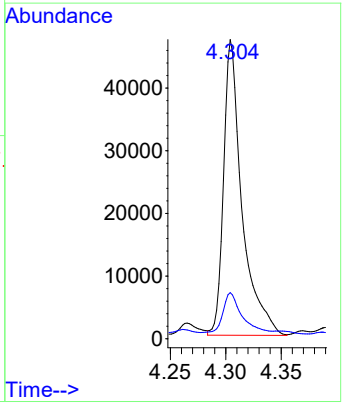


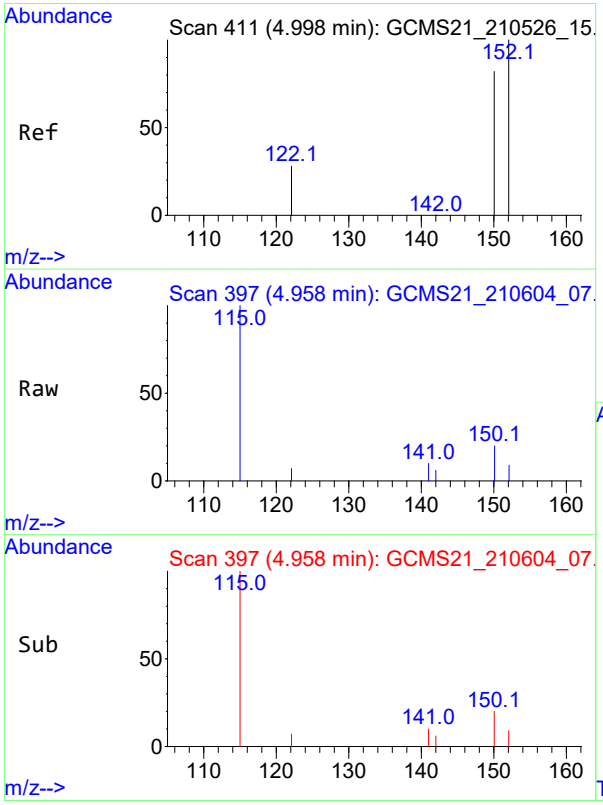


#2
Naphthalene
Concen: 56.97 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.004 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:128 Resp: 54531

Ion	Ratio	Lower	Upper
128	100		
127	13.5	0.0	43.4

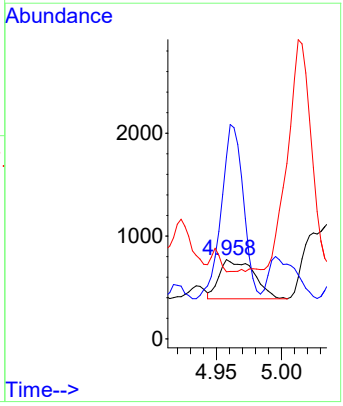


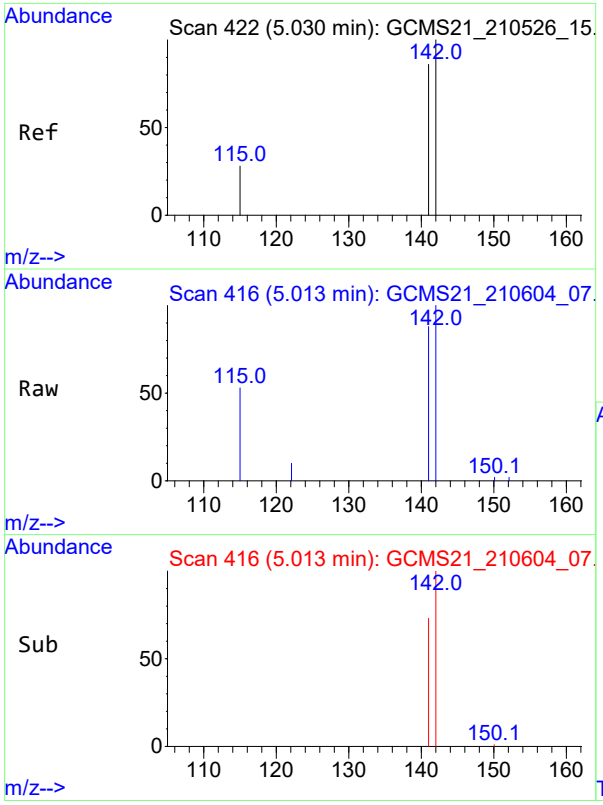


#3
2-Methylnaphthalene-D10
Concen: 1.12 ng/mL
RT: 4.958 min Scan# 397
Delta R.T. -0.023 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:152 Resp: 703

Ion	Ratio	Lower	Upper
152	100		
150	284.5	52.3	112.3#
122	18.1	0.0	57.8

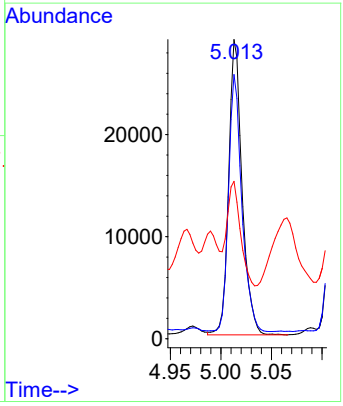


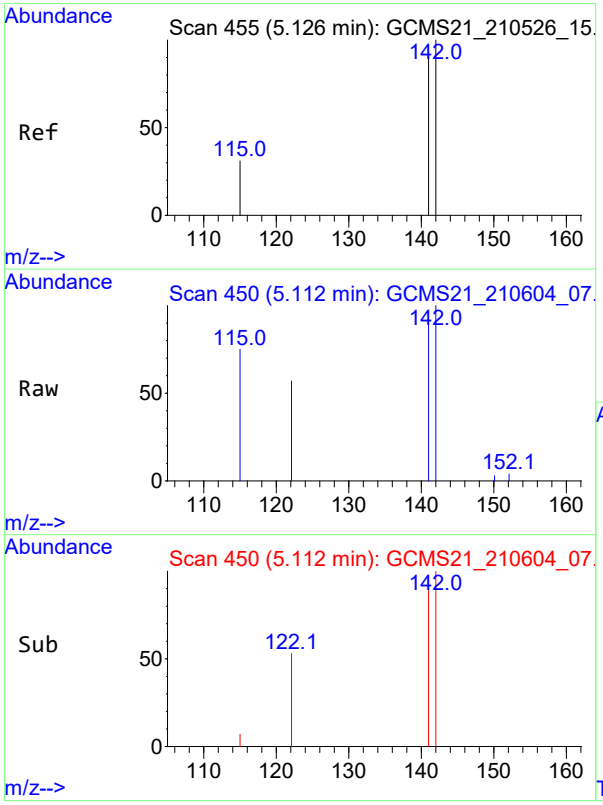


#4
2-Methylnaphthalene
Concen: 37.96 ng/mL
RT: 5.013 min Scan# 416
Delta R.T. -0.000 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:142 Resp: 26757

Ion	Ratio	Lower	Upper
142	100		
141	86.0	56.9	116.9
115	34.3	0.0	57.7

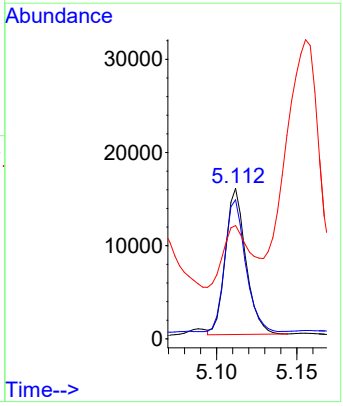


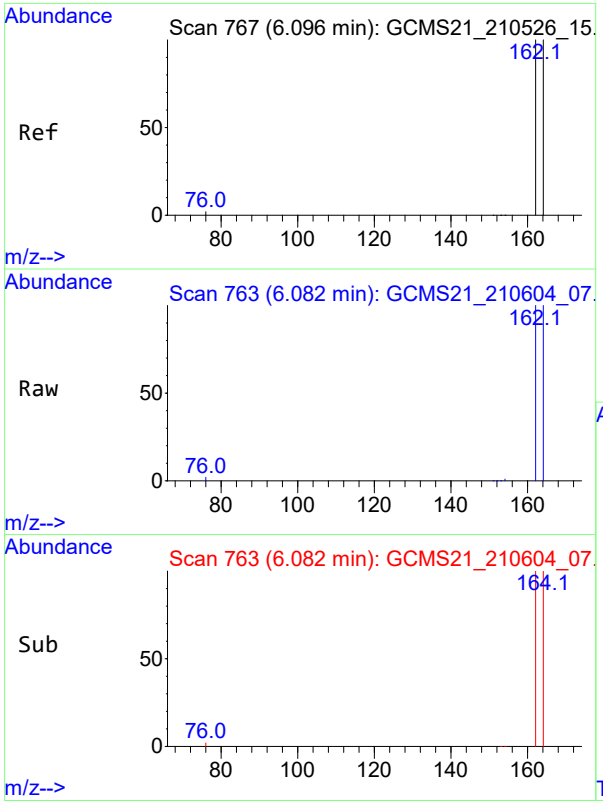


#5
1-Methylnaphthalene
Concen: 23.65 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:142 Resp: 13885

Ion	Ratio	Lower	Upper
142	100		
141	91.6	57.9	117.9
115	58.4	0.0	57.0#

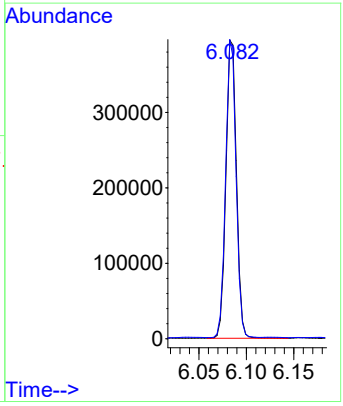


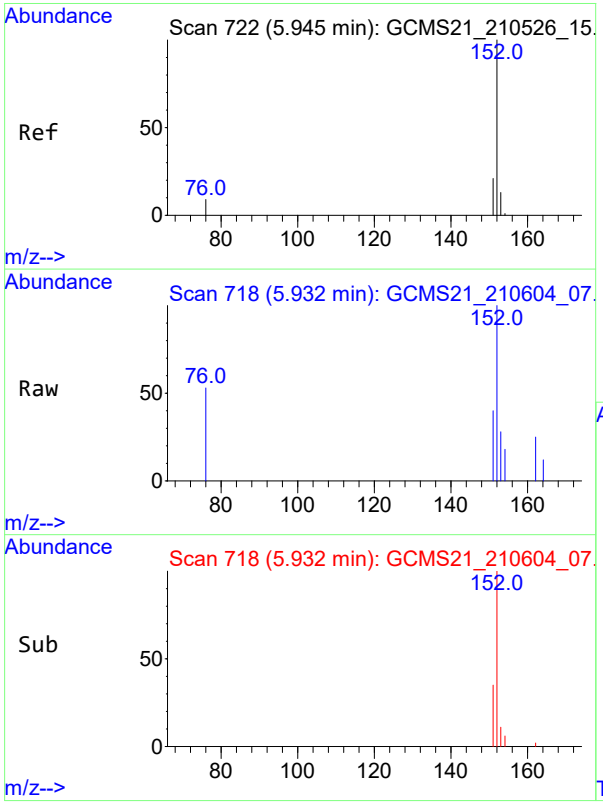


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.082 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:164 Resp: 304541

Ion	Ratio	Lower	Upper
164	100		
162	98.9	81.0	121.0

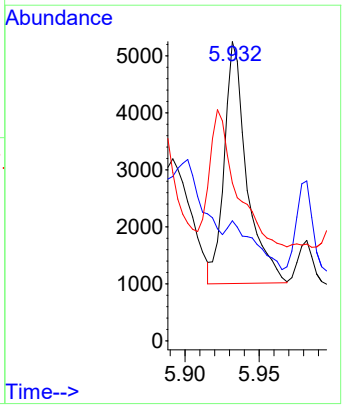


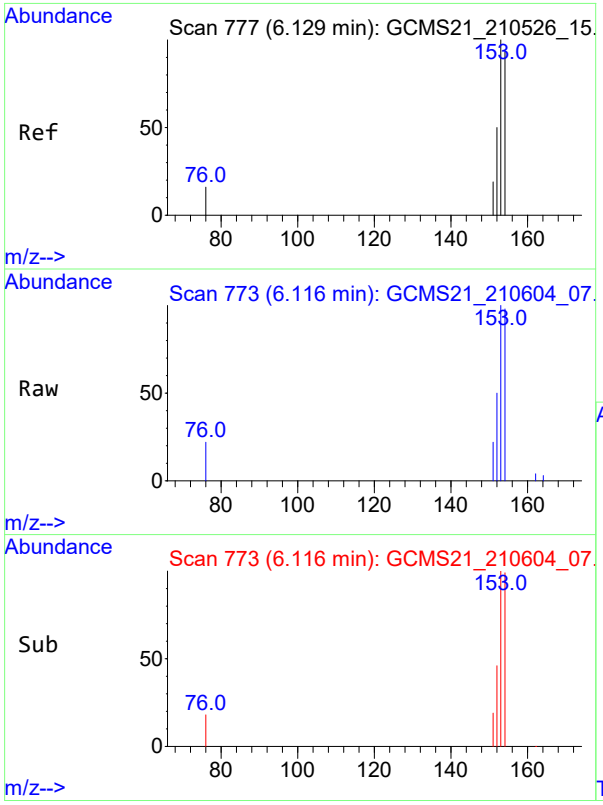


#7
Acenaphthylene
Concen: 4.42 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:152 Resp: 4472

Ion	Ratio	Lower	Upper
152	100		
151	24.5	0.0	51.0
76	66.5	0.0	38.6#

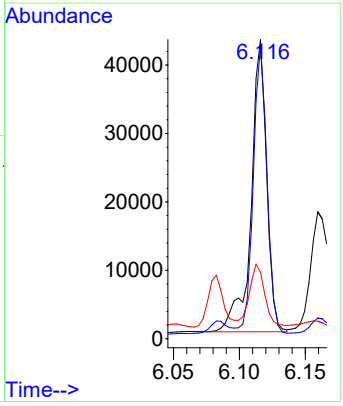


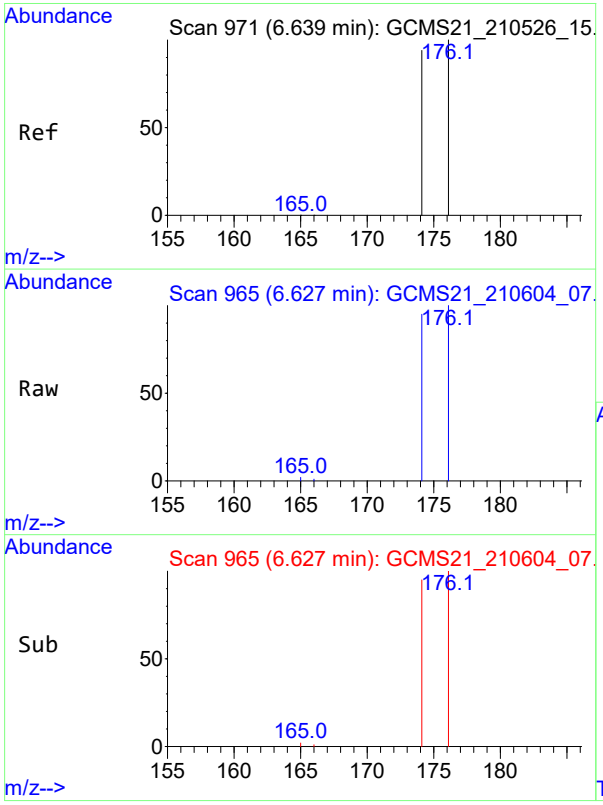


#8
Acenaphthene
Concen: 45.26 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:153 Resp: 35020

Ion	Ratio	Lower	Upper
153	100		
154	87.3	63.7	123.7
76	21.5	0.0	45.2

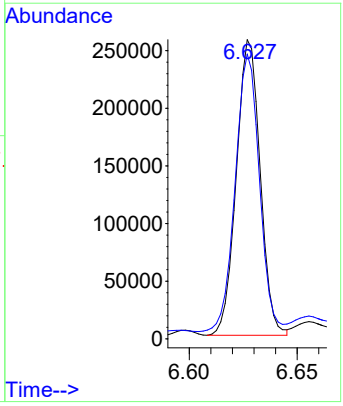


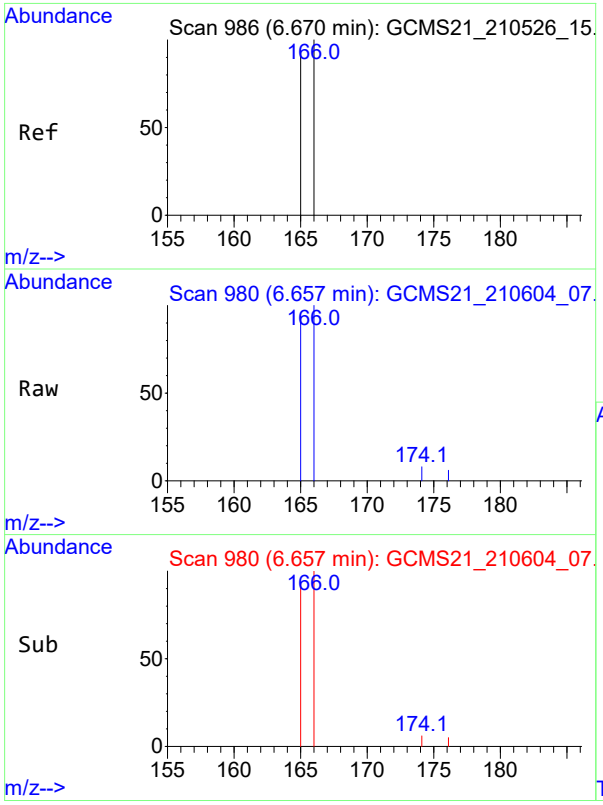


#9
Fluorene-D10
Concen: 269.94 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. 0.004 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:176 Resp: 196820

Ion	Ratio	Lower	Upper
176	100		
174	94.9	63.9	123.9

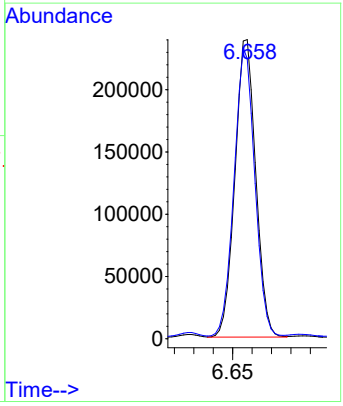


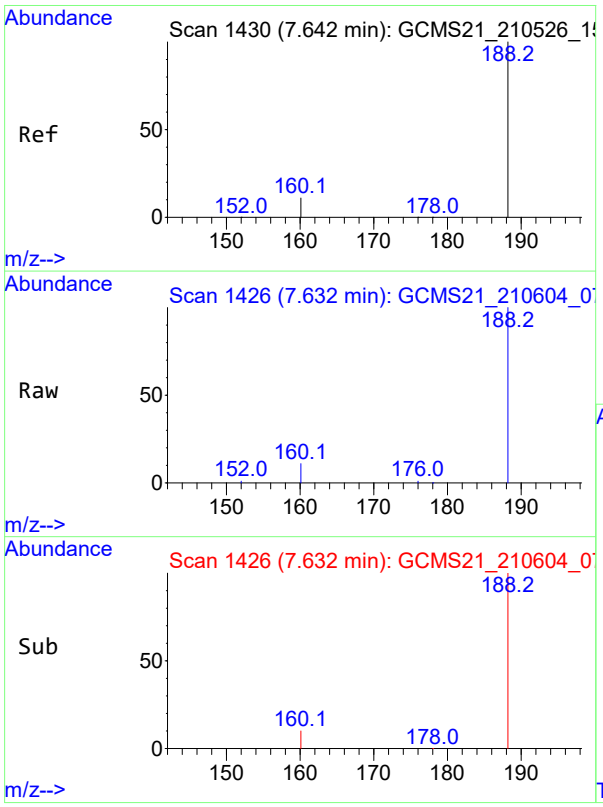


#10
Fluorene
Concen: 207.56 ng/mL
RT: 6.657 min Scan# 980
Delta R.T. 0.006 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:166 Resp: 177751

Ion	Ratio	Lower	Upper
166	100		
165	96.3	65.1	125.1

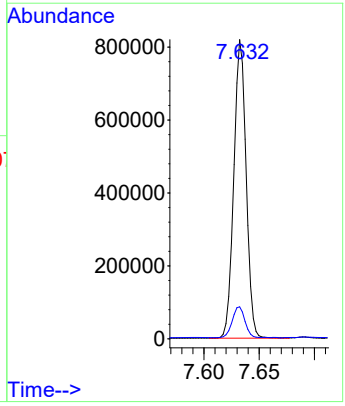


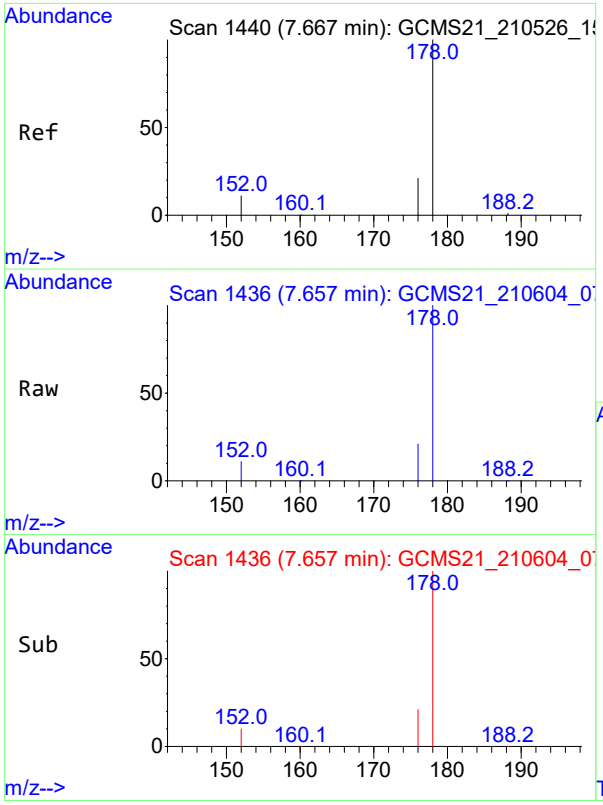


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.632 min Scan# 1426
Delta R.T. 0.005 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:188 Resp: 634635

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

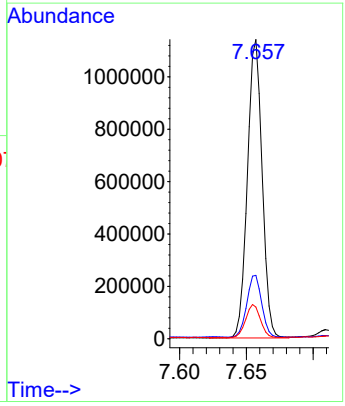


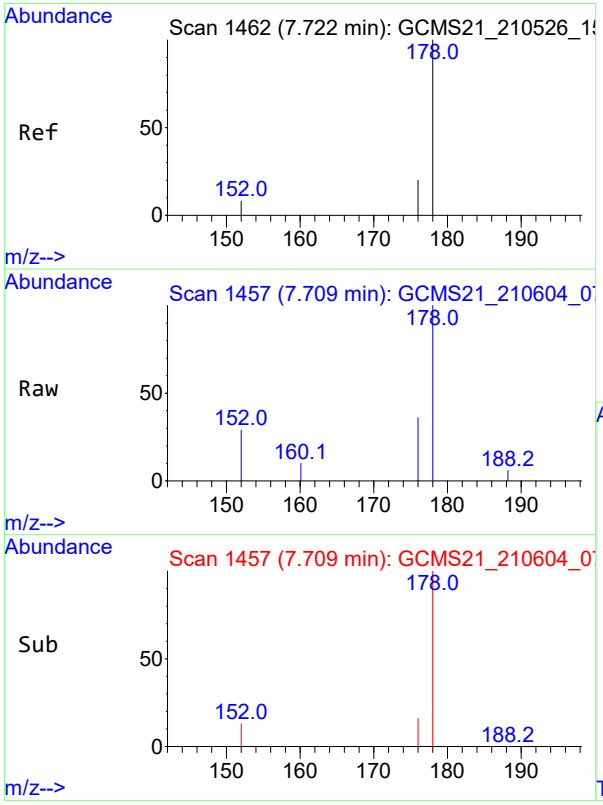


#12
Phenanthrene
Concen: 569.79 ng/mL
RT: 7.657 min Scan# 1436
Delta R.T. 0.007 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:178 Resp: 872736

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	10.9	0.0	40.5

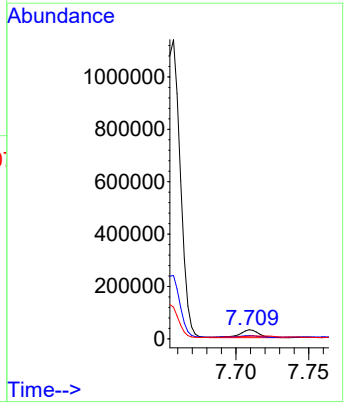


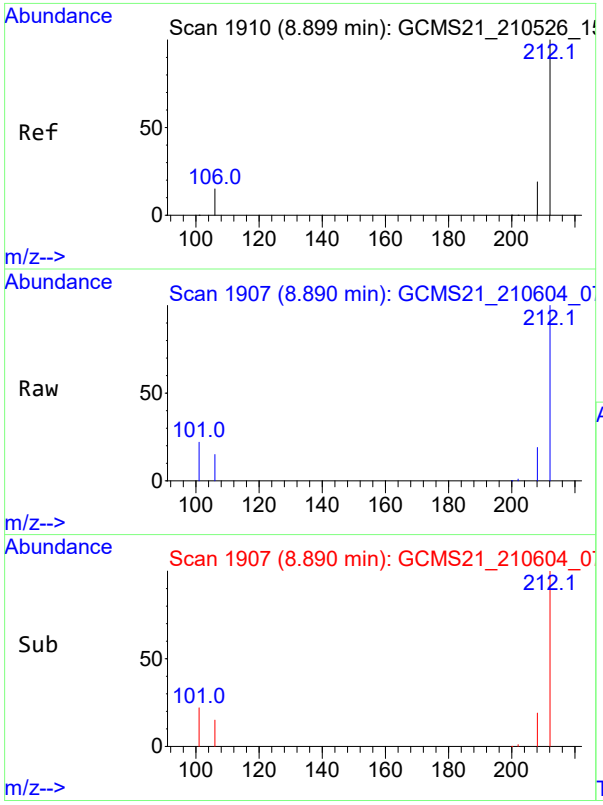


#13
Anthracene
Concen: 21.55 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:178 Resp: 27452

Ion	Ratio	Lower	Upper
178	100		
176	19.4	0.0	50.0
152	20.3	0.0	38.2

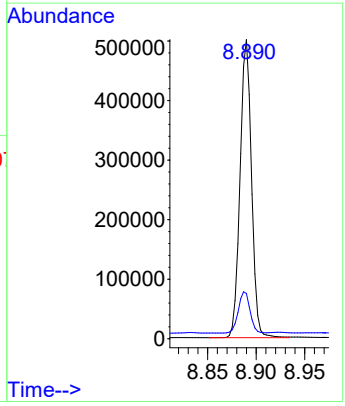


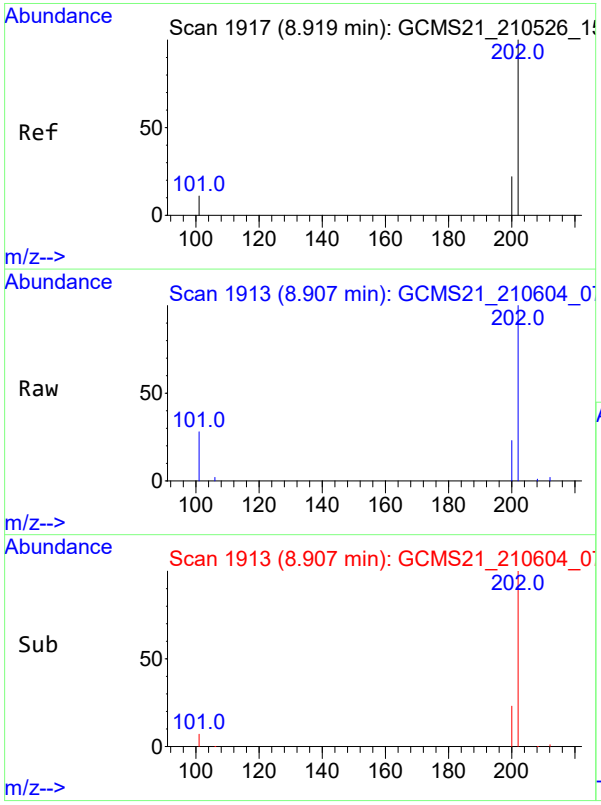


#14
Fluoranthene-D10
Concen: 298.25 ng/mL
RT: 8.890 min Scan# 1907
Delta R.T. 0.009 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:212 Resp: 409846

Ion	Ratio	Lower	Upper
212	100		
106	14.2	0.0	43.1

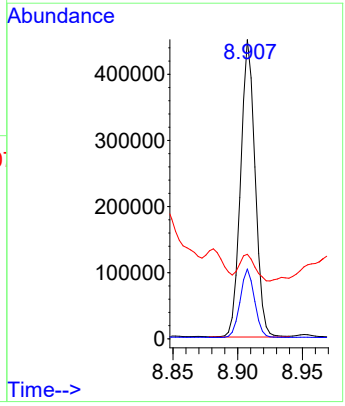


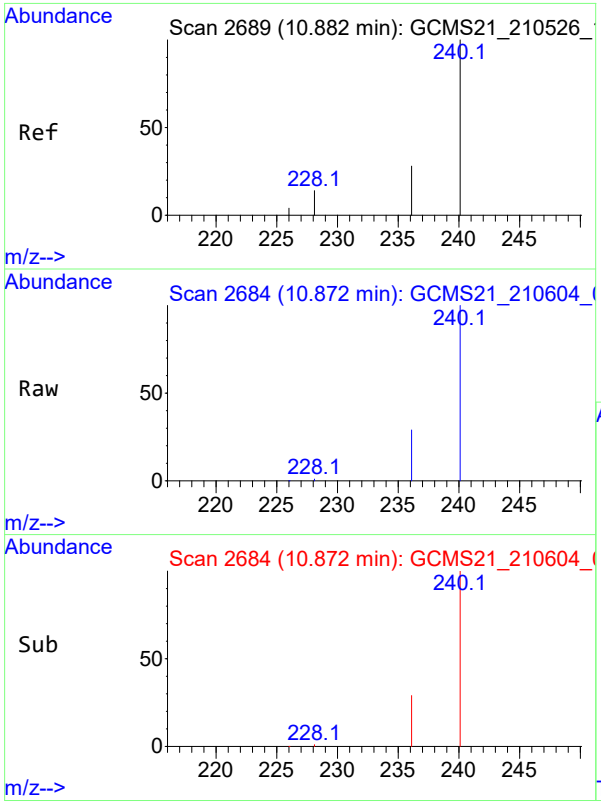


#15
Fluoranthene
Concen: 217.09 ng/mL
RT: 8.907 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:202 Resp: 350927

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	53.3
101	9.5	0.0	41.8

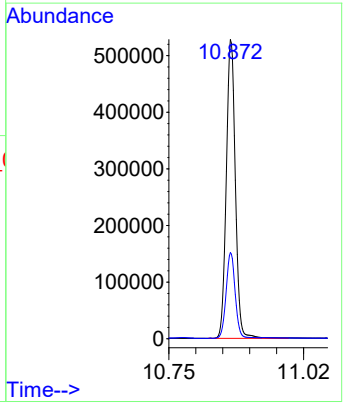


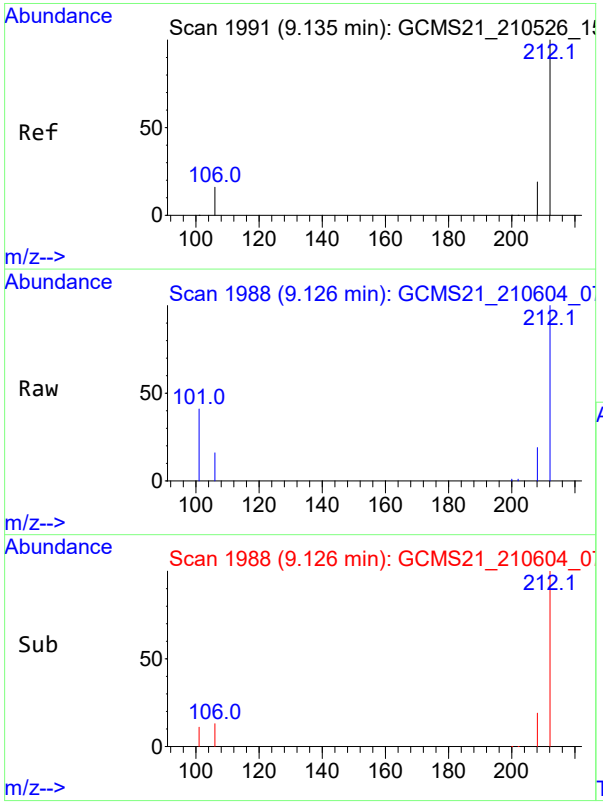


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. 0.010 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:240 Resp: 684670

Ion	Ratio	Lower	Upper
240	100		
236	28.6	0.0	58.5

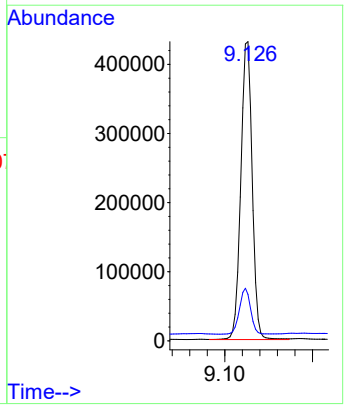


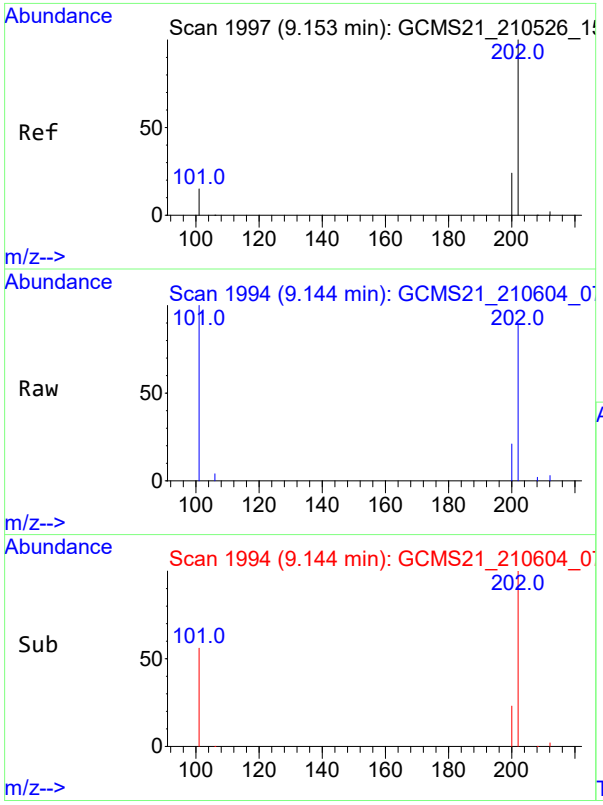


#17
Pyrene-D10
Concen: 248.41 ng/mL
RT: 9.126 min Scan# 1988
Delta R.T. 0.006 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:212 Resp: 388050

Ion	Ratio	Lower	Upper
212	100		
106	15.1	0.0	46.3

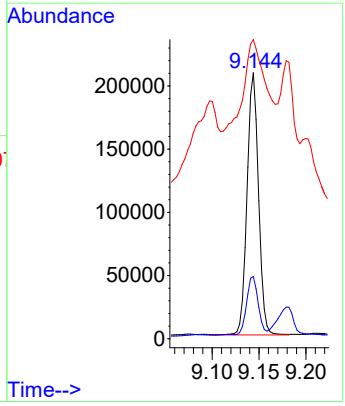


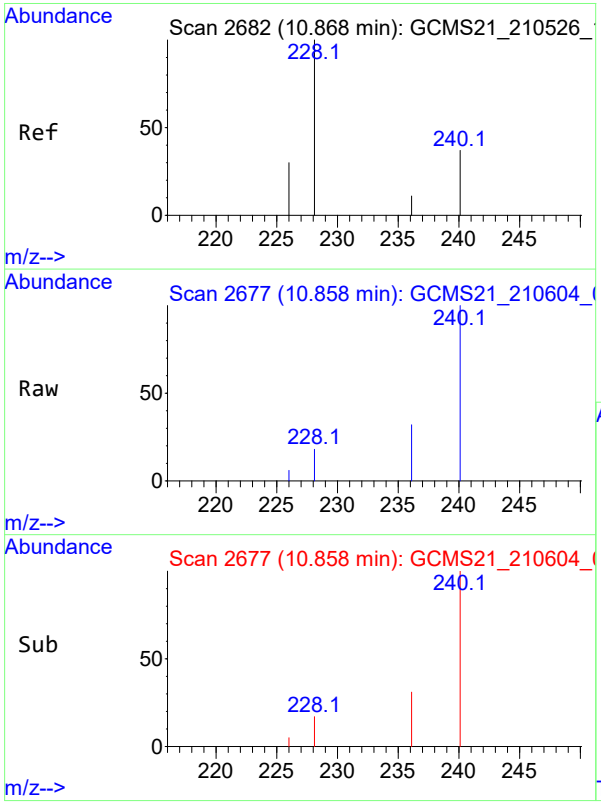


#18
Pyrene
Concen: 96.39 ng/mL
RT: 9.144 min Scan# 1994
Delta R.T. 0.003 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:202 Resp: 175892

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.3
101	183.6	0.0	43.2#

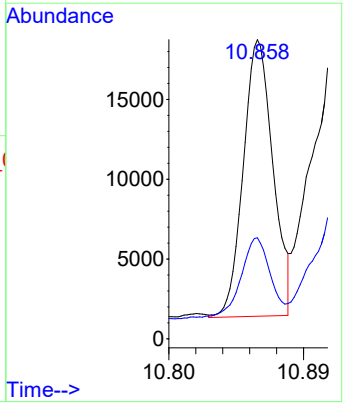


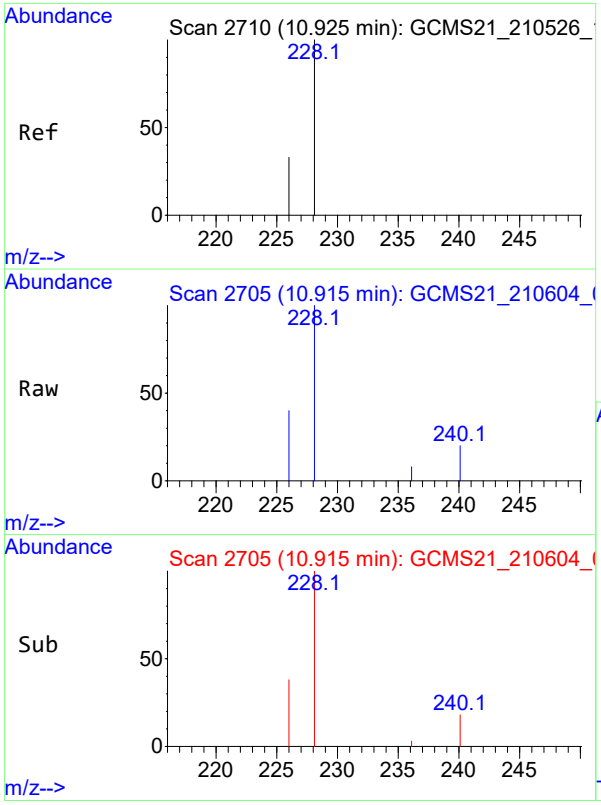


#19
Benzo(a)anthracene
Concen: 17.36 ng/mL
RT: 10.858 min Scan# 2677
Delta R.T. 0.010 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:228 Resp: 23910

Ion	Ratio	Lower	Upper
228	100		
226	28.0	0.0	59.2

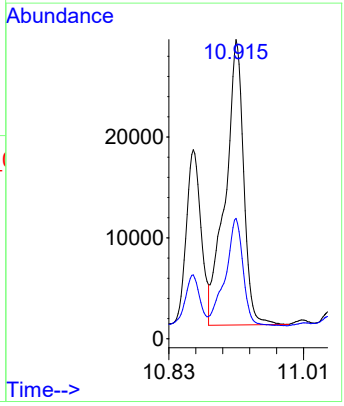


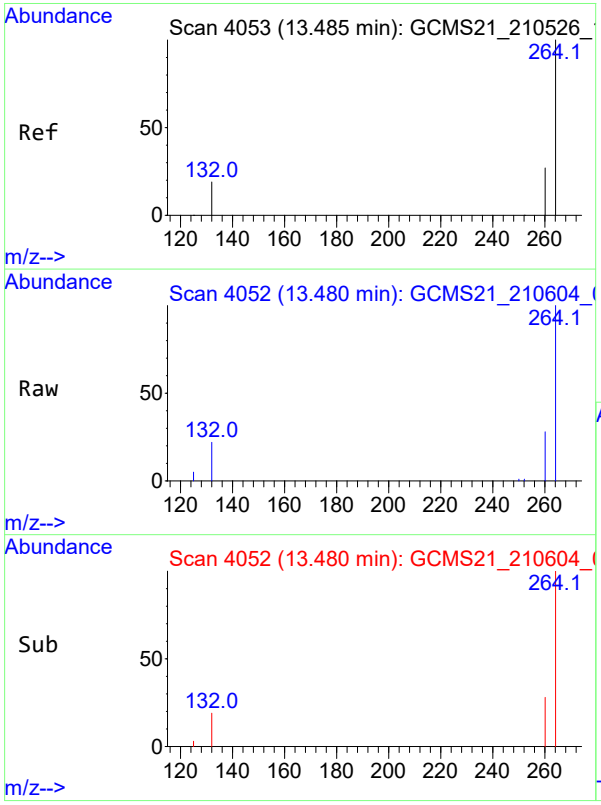


#20
Chrysene
Concen: 28.24 ng/mL
RT: 10.915 min Scan# 2705
Delta R.T. 0.010 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:228 Resp: 48006

Ion	Ratio	Lower	Upper
228	100		
226	36.3	1.9	61.9

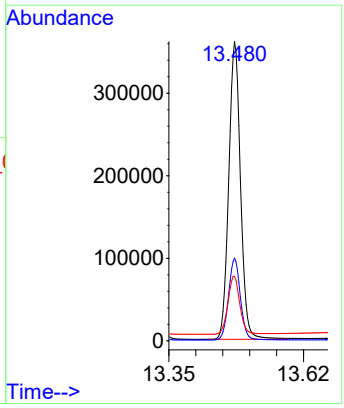


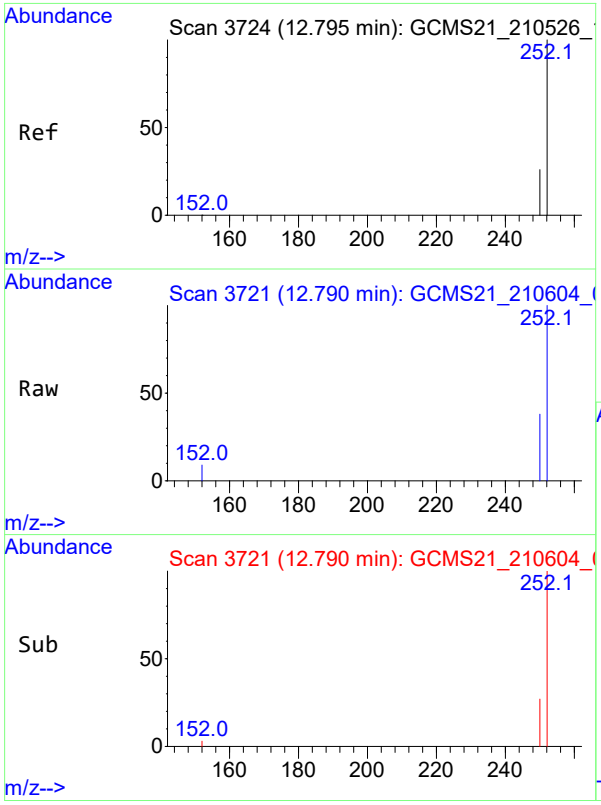


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.480 min Scan# 4052
Delta R.T. 0.019 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:264 Resp: 597135

Ion	Ratio	Lower	Upper
264	100		
260	27.6	0.0	57.7
132	19.7	0.0	49.0

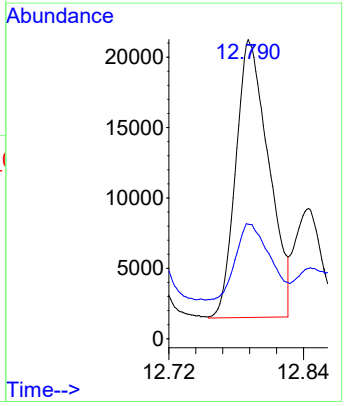


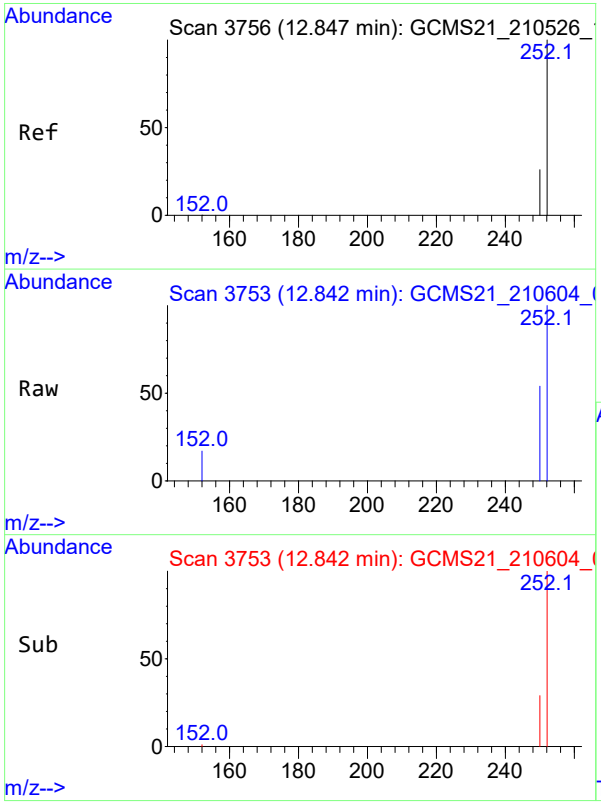


#22
Benzo(b)fluoranthene
Concen: 31.18 ng/mL
RT: 12.790 min Scan# 3721
Delta R.T. 0.018 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 38645

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	56.1

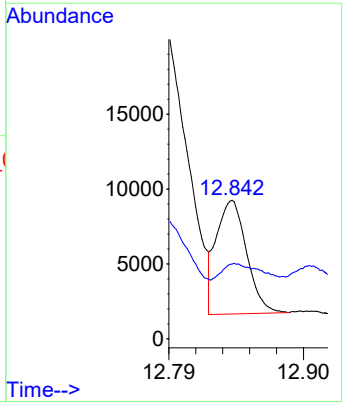


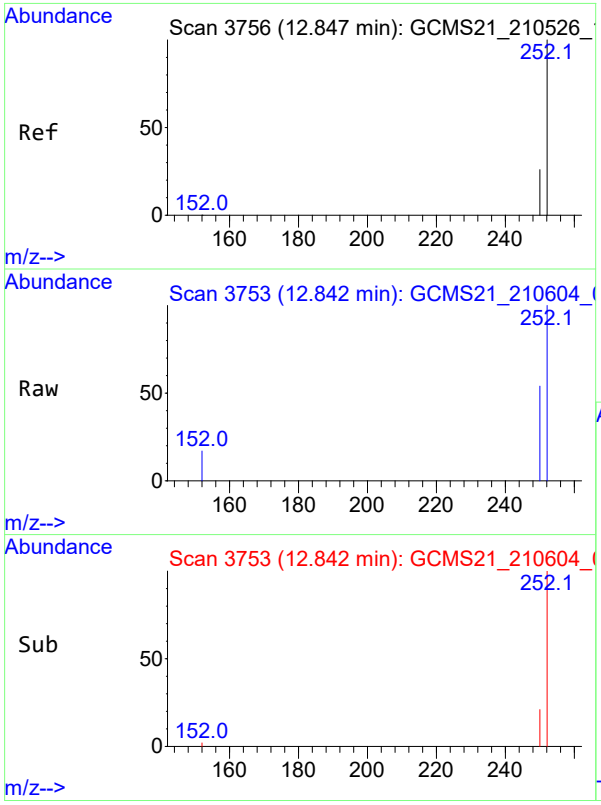


#23
Benzo(k)fluoranthene
Concen: 8.83 ng/mL
RT: 12.842 min Scan# 3753
Delta R.T. 0.019 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 12133

Ion	Ratio	Lower	Upper
252	100		
250	24.1	0.0	55.4

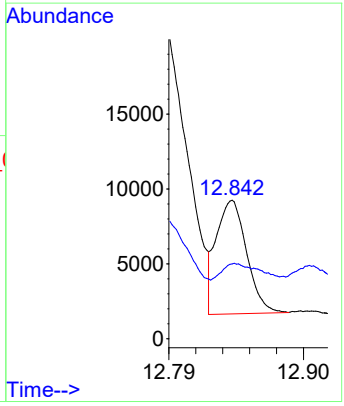


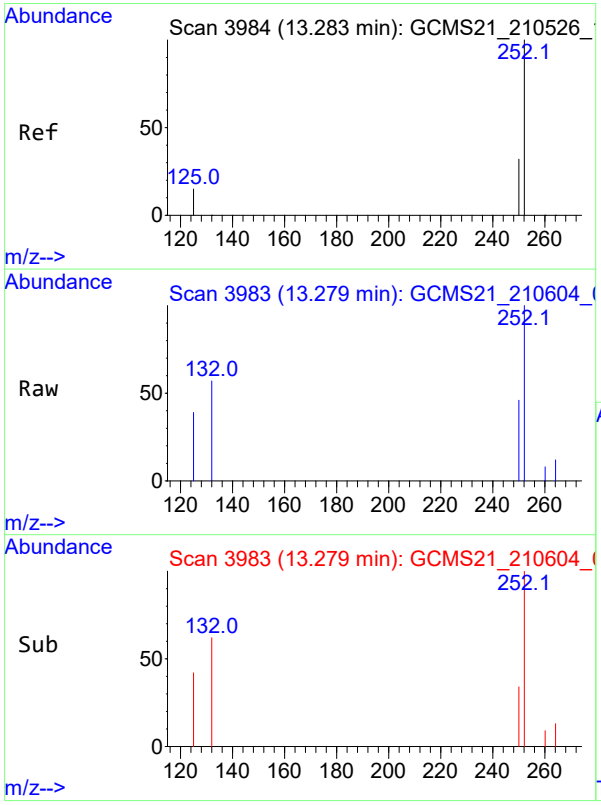


#24
benzo(b+k)fluoranthene (sum)
Concen: 9.01 ng/mL
RT: 12.842 min Scan# 3753
Delta R.T. 0.019 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 12133

Ion	Ratio	Lower	Upper
252	100		
250	27.5	0.0	55.4

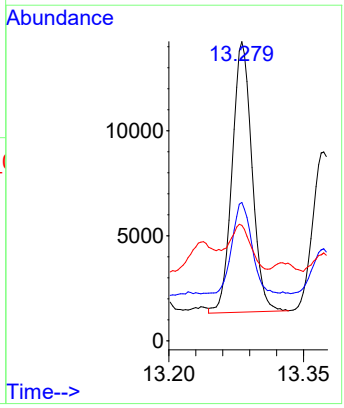


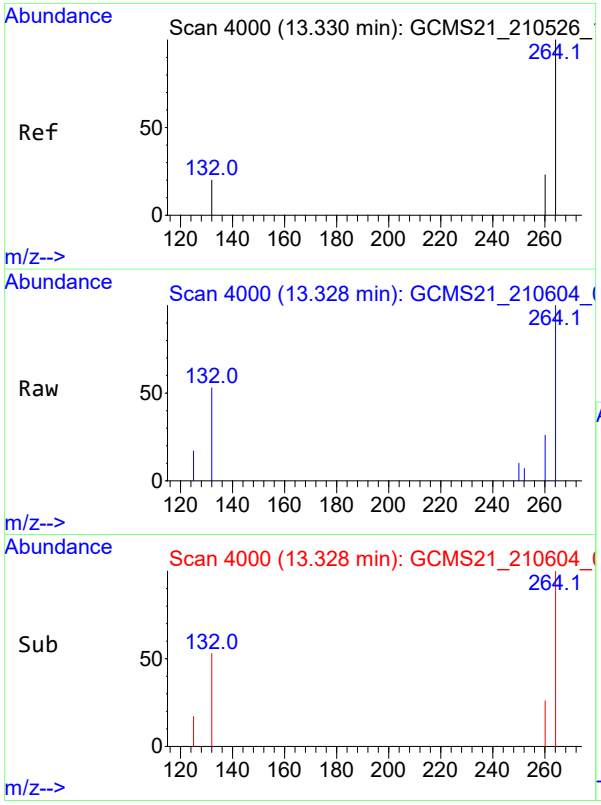


#25
Benzo(e)pyrene
Concen: 16.21 ng/mL
RT: 13.279 min Scan# 3983
Delta R.T. 0.019 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 20270

Ion	Ratio	Lower	Upper
252	100		
250	33.7	2.1	62.1
125	41.7	0.0	45.8

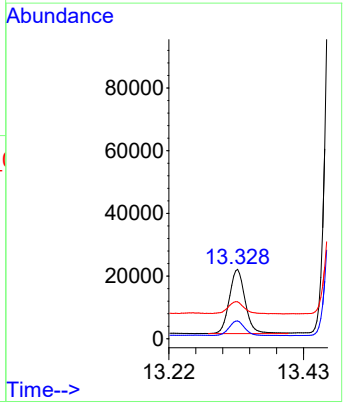


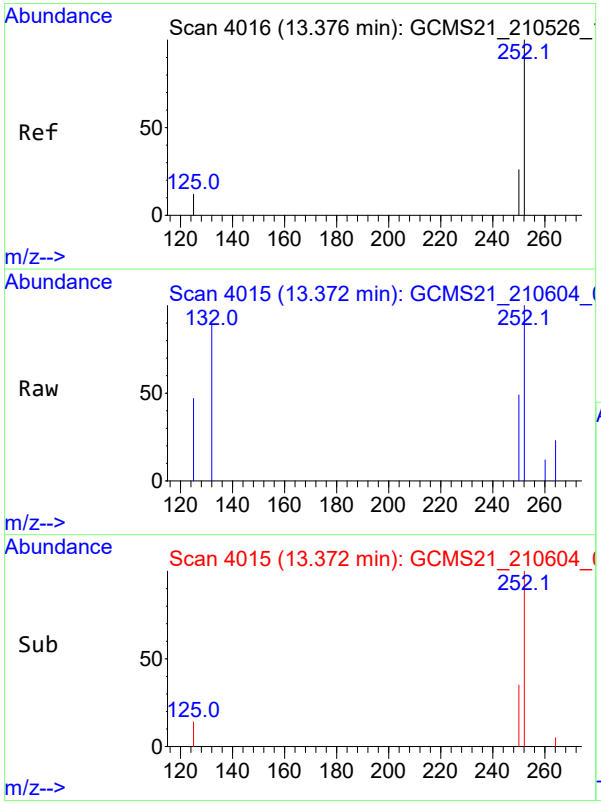


#26
Benzo(a)pyrene-D12
Concen: 35.06 ng/mL
RT: 13.328 min Scan# 4000
Delta R.T. 0.016 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:264 Resp: 34013

Ion	Ratio	Lower	Upper
264	100		
260	21.8	0.0	52.9
132	19.1	0.0	48.4

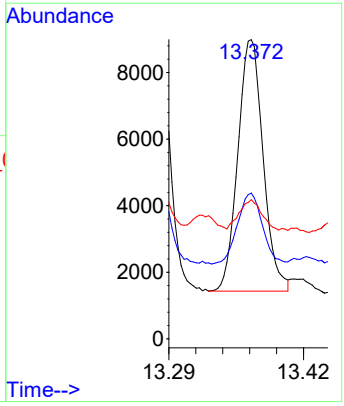


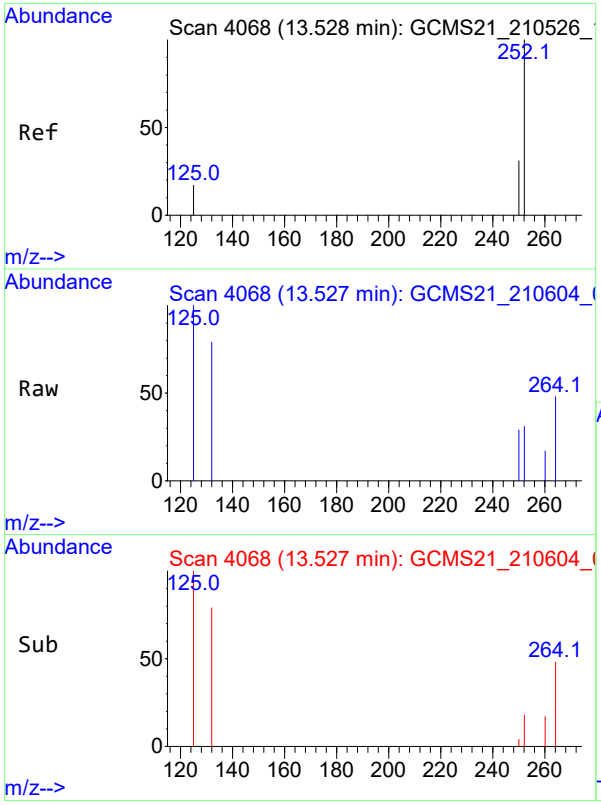


#27
Benzo(a)pyrene
Concen: 11.25 ng/mL
RT: 13.372 min Scan# 4015
Delta R.T. 0.022 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 12723

Ion	Ratio	Lower	Upper
252	100		
250	28.1	0.0	56.7
125	10.4	0.0	42.1

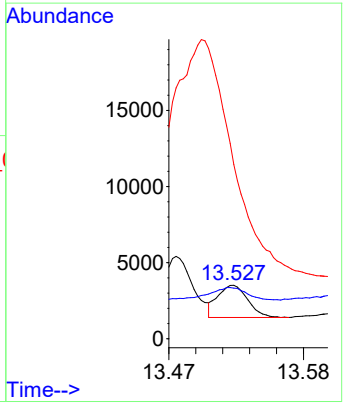


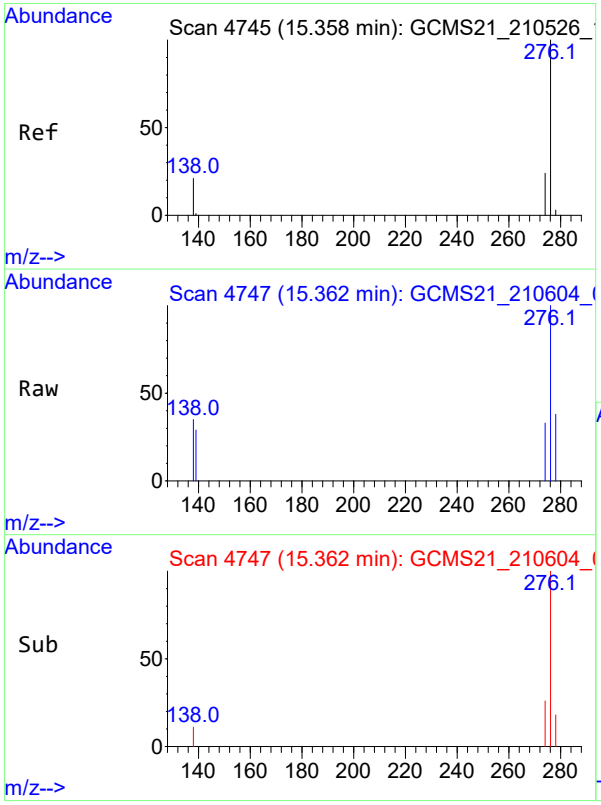


#28
Perylene
Concen: 2.81 ng/mL
RT: 13.527 min Scan# 4068
Delta R.T. 0.022 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:252 Resp: 3575

Ion	Ratio	Lower	Upper
252	100		
250	95.9	1.2	61.2#
125	1741.2	0.0	46.5#

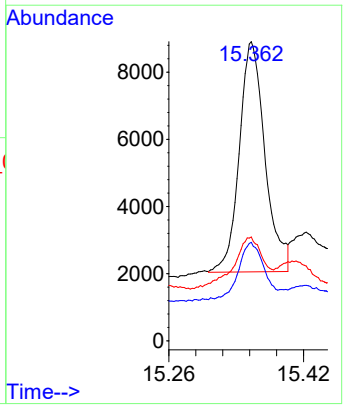


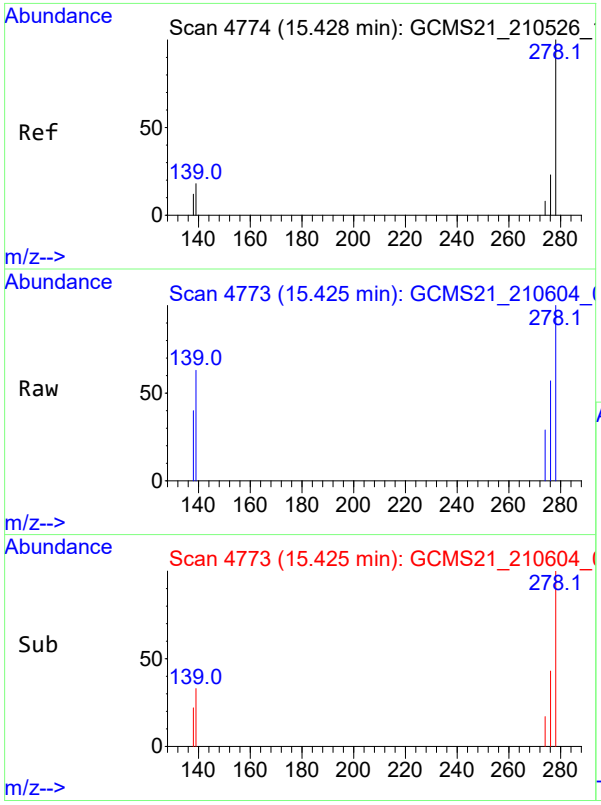


#29
Indeno(1,2,3-cd)pyrene
Concen: 14.99 ng/mL
RT: 15.362 min Scan# 4747
Delta R.T. 0.030 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:276 Resp: 14512

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	53.5
138	26.7	0.0	50.6

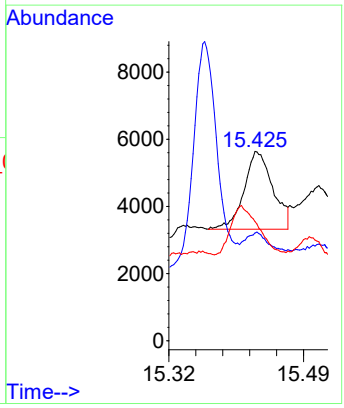


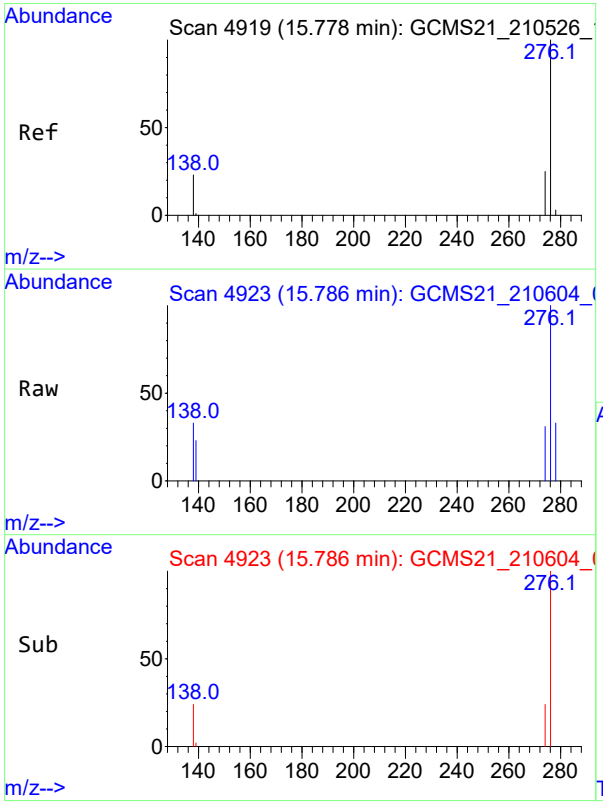


#30
Dibenz(a,h)anthracene
Concen: 5.99 ng/mL
RT: 15.425 min Scan# 4773
Delta R.T. 0.020 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:278 Resp: 5779

Ion	Ratio	Lower	Upper
278	100		
276	23.8	0.0	58.7
139	64.5	0.0	47.2#

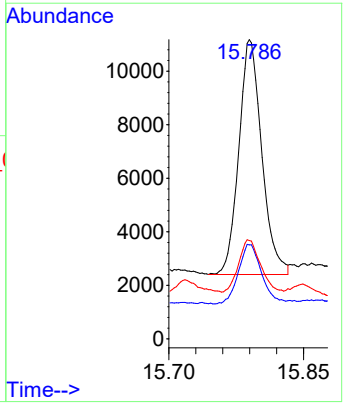




#31
Benzo(g,h,i)perylene
Concen: 12.51 ng/mL
RT: 15.786 min Scan# 4923
Delta R.T. 0.030 min
Lab File: GCMS21_210604_07.D
Acq: 04 Jun 2021 11:09

Tgt Ion:276 Resp: 15730

Ion	Ratio	Lower	Upper
276	100		
274	25.5	0.0	54.2
138	20.9	0.0	52.4



Quantitation Report (QT Reviewed)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 604__B21E006\
Data File : GCMS21_210604_16.D
Acq On : 04 Jun 2021 02:53 pm
Operator : MN GCMS21
Sample : 2105001-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 30 12:03:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.286	136	462151	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.086	164	283018	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.638	188	603835	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.891	240	650119	500.00	ng/mL	0.03
21) PERYLENE-D12	13.502	264	511772	500.00	ng/mL	0.04
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.978	152	903	1.55	ng/mL	0.00
9) Fluorene-D10	6.629	176	218319	322.20	ng/mL	0.00
14) Fluoranthene-D10	8.896	212	342986	262.32	ng/mL	0.01
17) Pyrene-D10	9.132	212	404247	272.53	ng/mL	0.01
26) Benzo(a)pyrene-D12	13.350	264	12227	14.71	ng/mL	0.04
Target Compounds						Qvalue
2) Naphthalene	4.306	128	50990	57.50	ng/mL	98
4) 2-Methylnaphthalene	5.016	142	26094	39.96	ng/mL	83
5) 1-Methylnaphthalene	5.112	142	12344	22.69	ng/mL	96
7) Acenaphthylene	0.000		0	N.D.	d	
8) Acenaphthene	6.120	153	51999	72.32	ng/mL	94
10) Fluorene	6.660	166	240281	301.91	ng/mL	99
12) Phenanthrene	7.660	178	1879796	1289.89	ng/mL	100
13) Anthracene	7.714	178	91391	75.42	ng/mL	94
15) Fluoranthene	8.914	202	1376581	895.00	ng/mL	99
18) Pyrene	9.150	202	751721m	433.85	ng/mL	
19) Benzo(a)anthracene	10.872	228	100072m	76.53	ng/mL	
20) Chrysene	10.932	228	170243	105.45	ng/mL	100
22) Benzo(b)fluoranthene	12.813	252	99156	93.34	ng/mL	99
23) Benzo(k)fluoranthene	12.864	252	32194m	27.35	ng/mL	
24) benzo(b+k)fluoranthene...	12.813	252	99156	85.90	ng/mL	97
25) Benzo(e)pyrene	13.304	252	43176	40.30	ng/mL	97
27) Benzo(a)pyrene	13.391	252	19658	20.28	ng/mL	96
28) Perylene	13.485	252	7543	6.93	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.392	276	25328	30.53	ng/mL	99
30) Dibenz(a,h)anthracene	15.457	278	4883m	5.91	ng/mL	
31) Benzo(g,h,i)perylene	15.821	276	22372m	20.75	ng/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

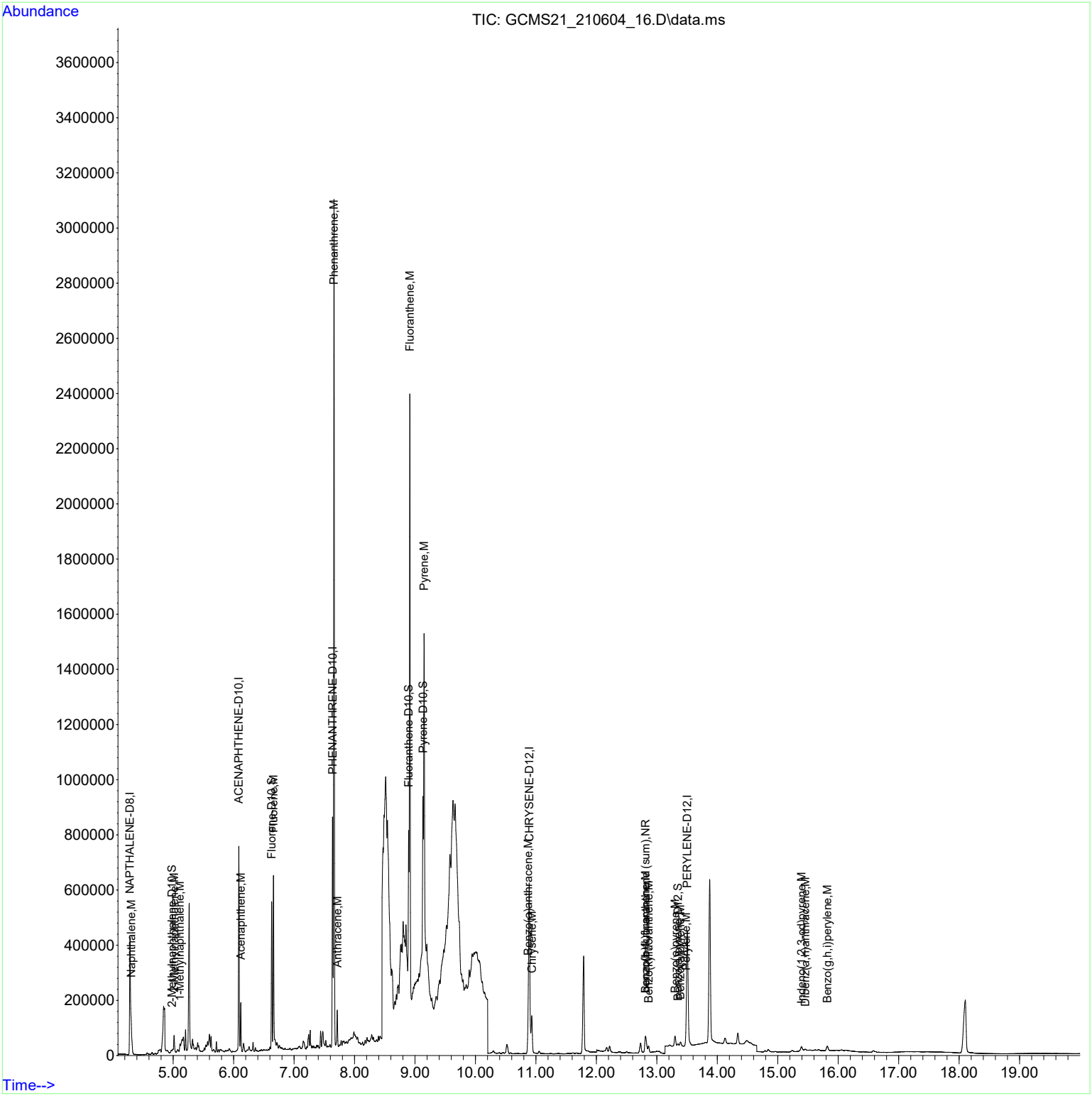
Peak #18 code P, B on Q101

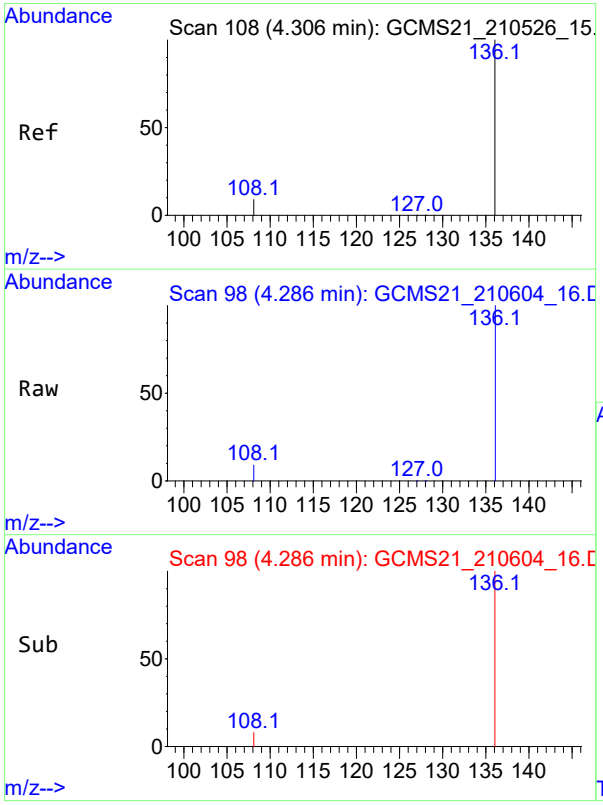
Retention was shifted out of expecting retention time window, manual integrations was performed on peak # 19,23,31 under code I, D.
MN 07.22.21

Quantitation Report (QT Reviewed)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 604__B21E006\
Data File : GCMS21_210604_16.D
Acq On : 04 Jun 2021 02:53 pm
Operator : MN GCMS21
Sample : 2105001-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 30 12:03:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

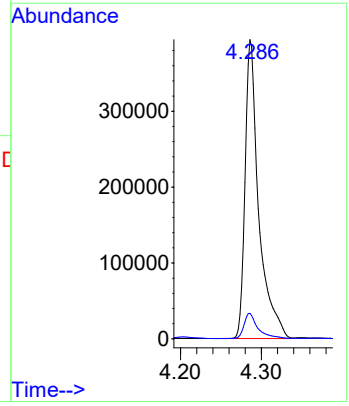


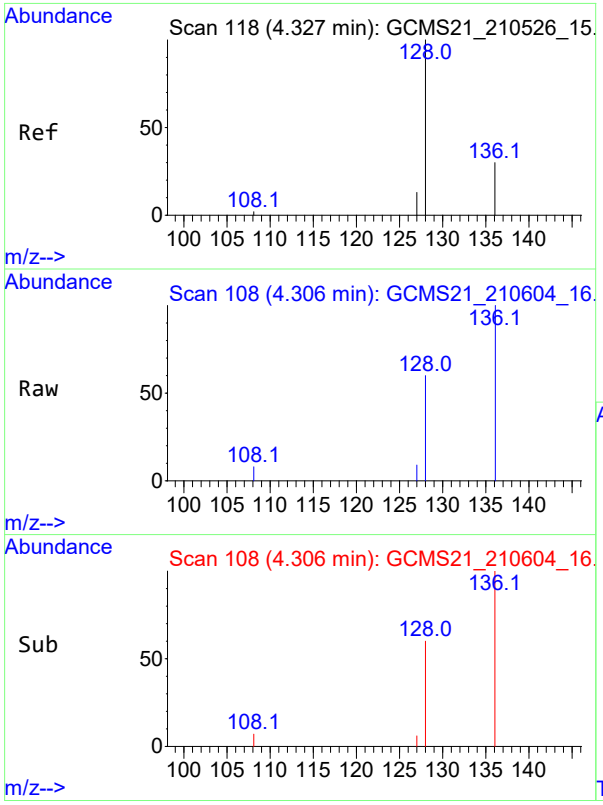


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.286 min Scan# 98
Delta R.T. -0.002 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:136 Resp: 462151

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.6

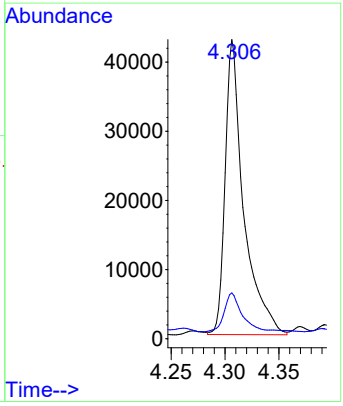


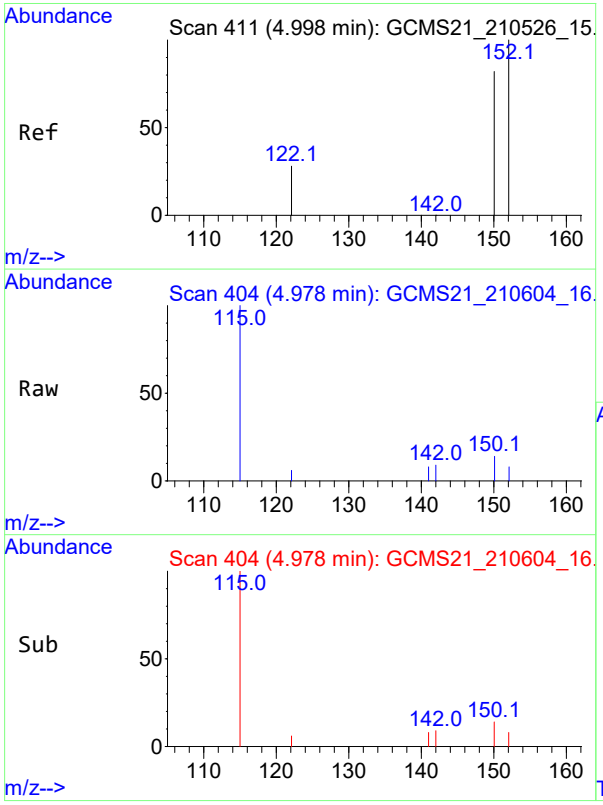


#2
Naphthalene
Concen: 57.50 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. -0.002 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:128 Resp: 50990

Ion	Ratio	Lower	Upper
128	100		
127	12.5	0.0	43.4

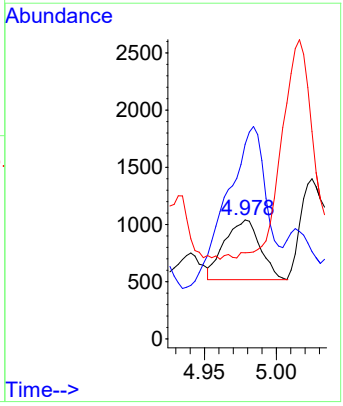


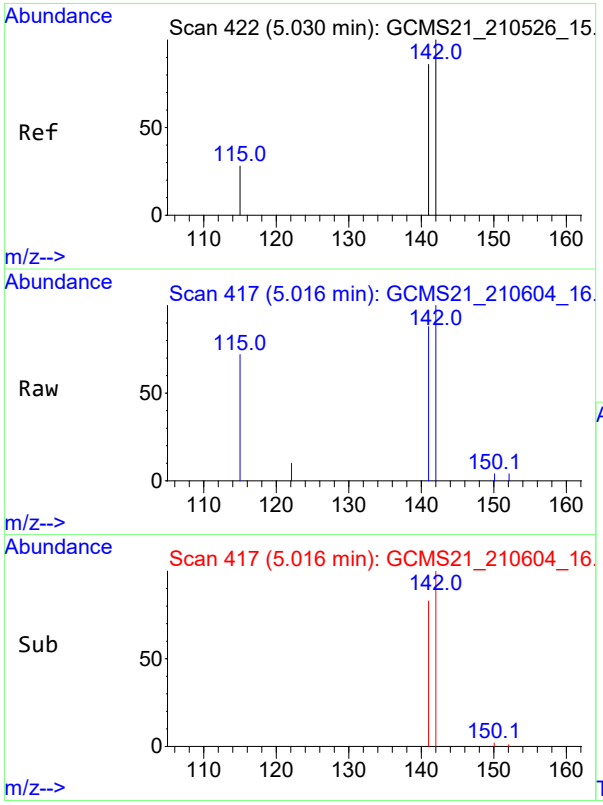


#3
2-Methylnaphthalene-D10
Concen: 1.55 ng/mL
RT: 4.978 min Scan# 404
Delta R.T. -0.003 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:152 Resp: 903

Ion	Ratio	Lower	Upper
152	100		
150	310.4	52.3	112.3#
122	0.0	0.0	57.8

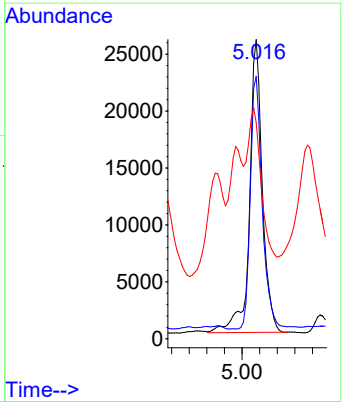


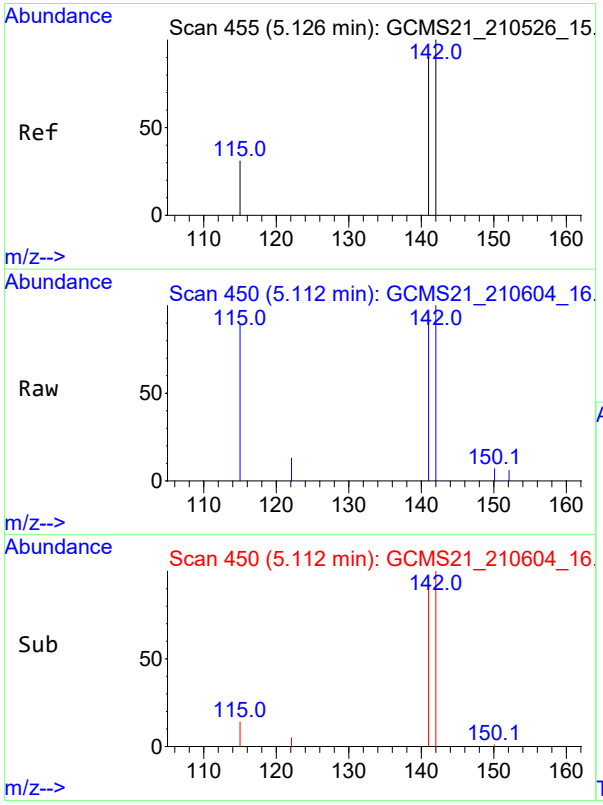


#4
2-Methylnaphthalene
Concen: 39.96 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. 0.003 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:142 Resp: 26094

Ion	Ratio	Lower	Upper
142	100		
141	80.1	56.9	116.9
115	52.9	0.0	57.7

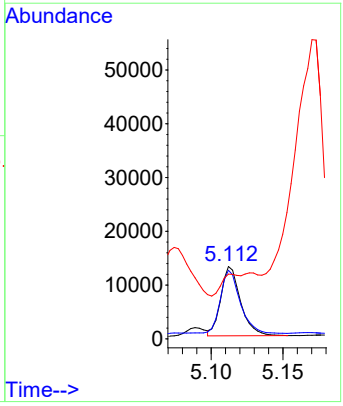


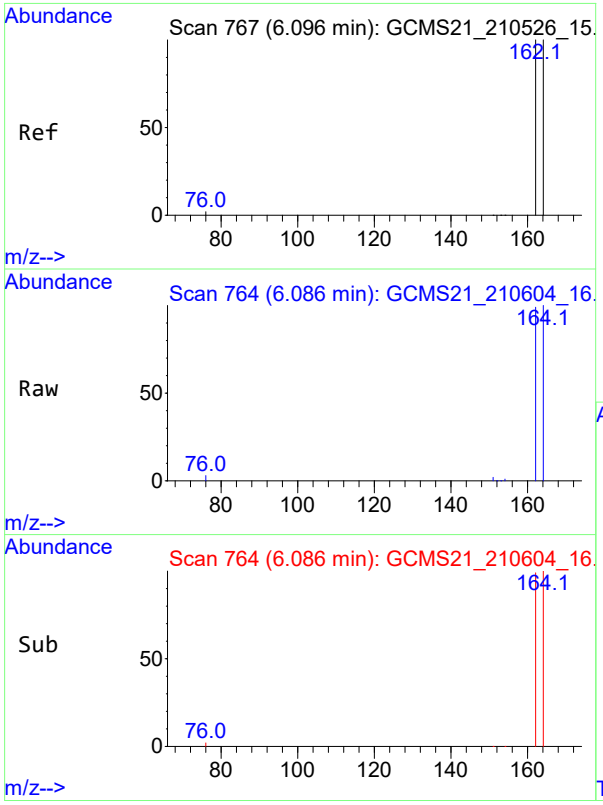


#5
1-Methylnaphthalene
Concen: 22.69 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. 0.000 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:142 Resp: 12344

Ion	Ratio	Lower	Upper
142	100		
141	90.8	57.9	117.9
115	30.2	0.0	57.0

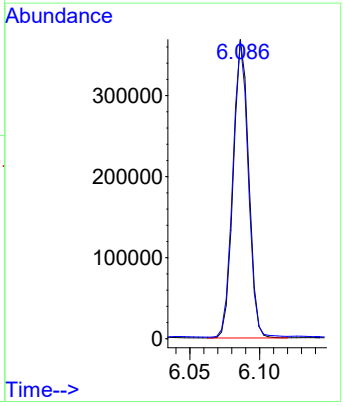


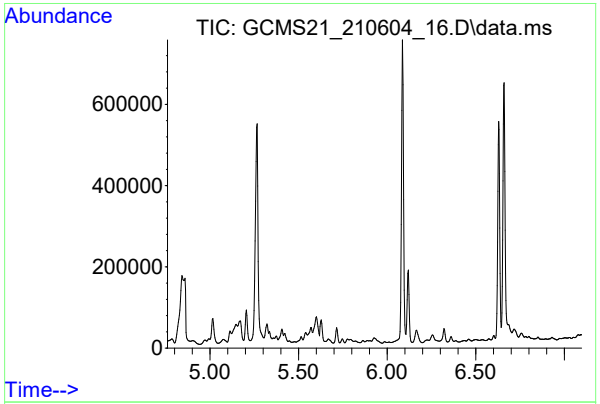


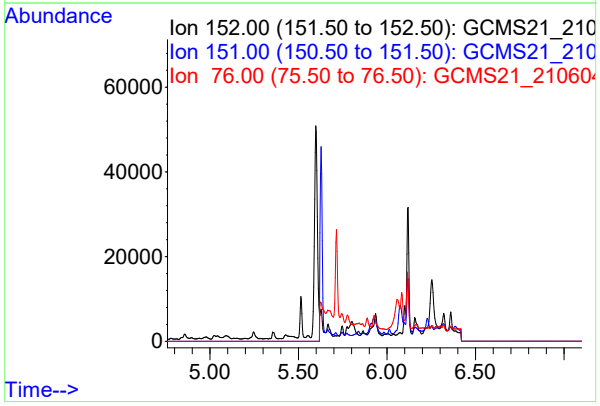
#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.086 min Scan# 764
Delta R.T. 0.007 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:164 Resp: 283018

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.0	121.0





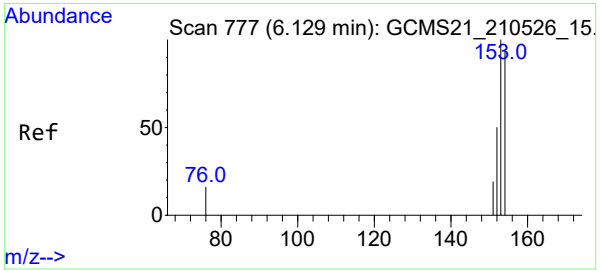


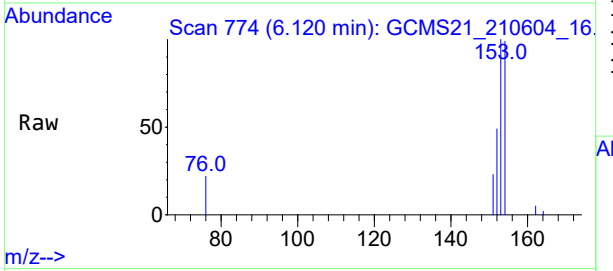
#7
Acenaphthylene
Concen: N.D.
Expected RT: 5.93 min

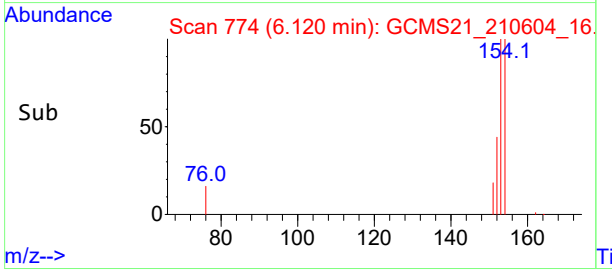
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	21.0
76	8.6



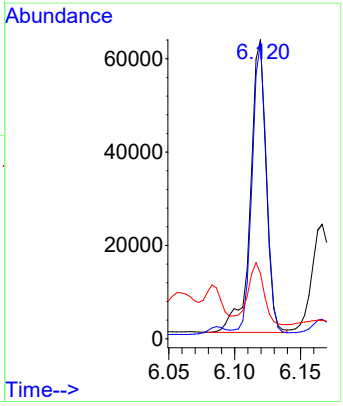


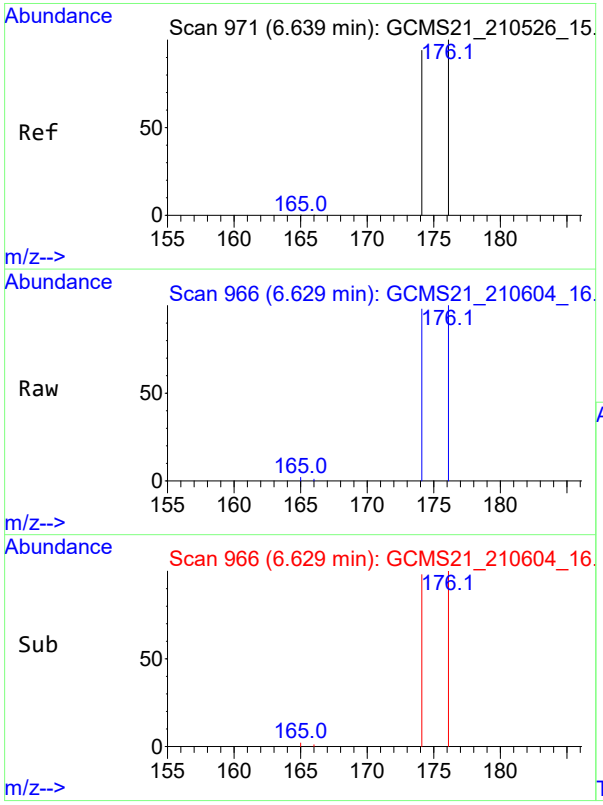


#8
Acenaphthene
Concen: 72.32 ng/mL
RT: 6.120 min Scan# 774
Delta R.T. 0.007 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:153 Resp: 51999

Ion	Ratio	Lower	Upper
153	100		
154	89.8	63.7	123.7
76	22.3	0.0	45.2

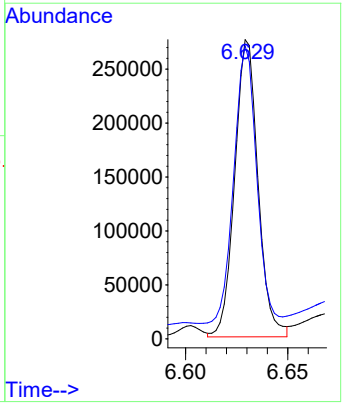


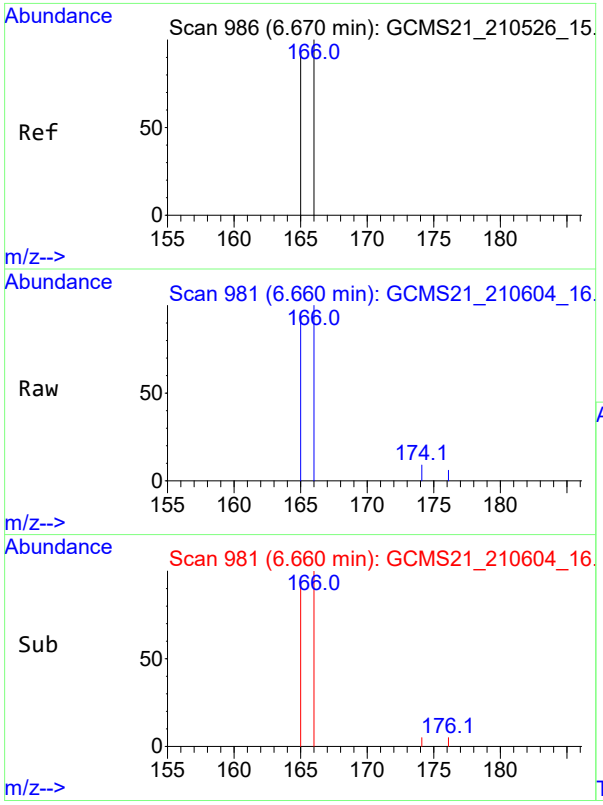


#9
Fluorene-D10
Concen: 322.20 ng/mL
RT: 6.629 min Scan# 966
Delta R.T. 0.006 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:176 Resp: 218319

Ion	Ratio	Lower	Upper
176	100		
174	91.1	63.9	123.9

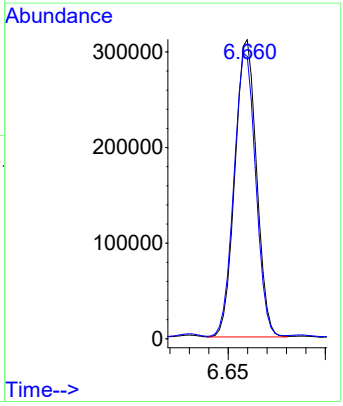


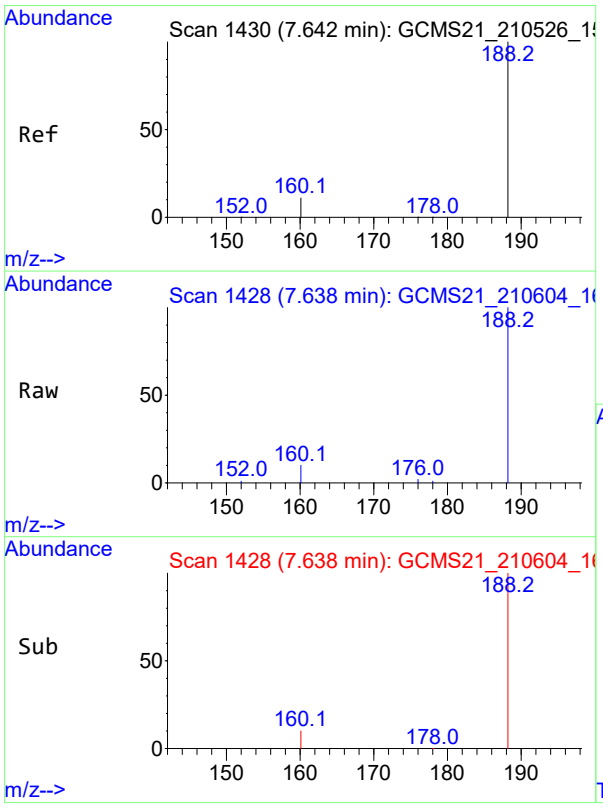


#10
Fluorene
Concen: 301.91 ng/mL
RT: 6.660 min Scan# 981
Delta R.T. 0.008 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:166 Resp: 240281

Ion	Ratio	Lower	Upper
166	100		
165	96.1	65.1	125.1

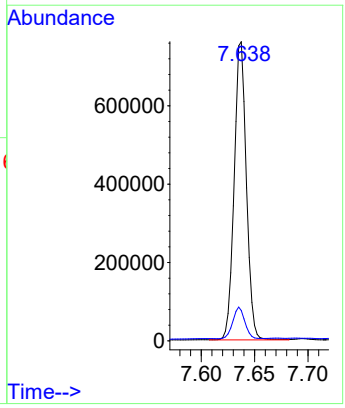


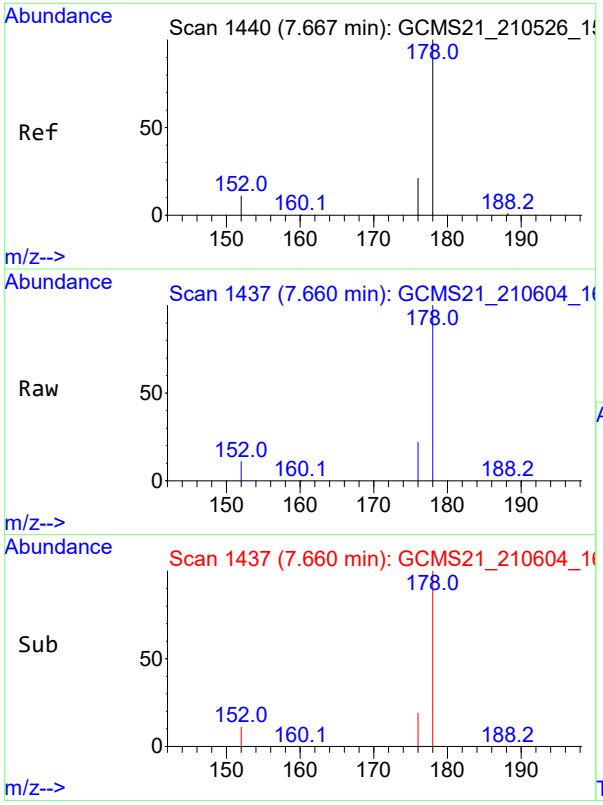


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.638 min Scan# 1428
Delta R.T. 0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:188 Resp: 603835

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	41.1

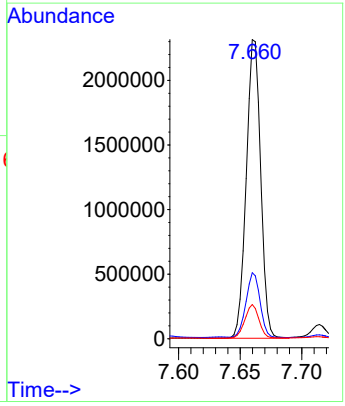


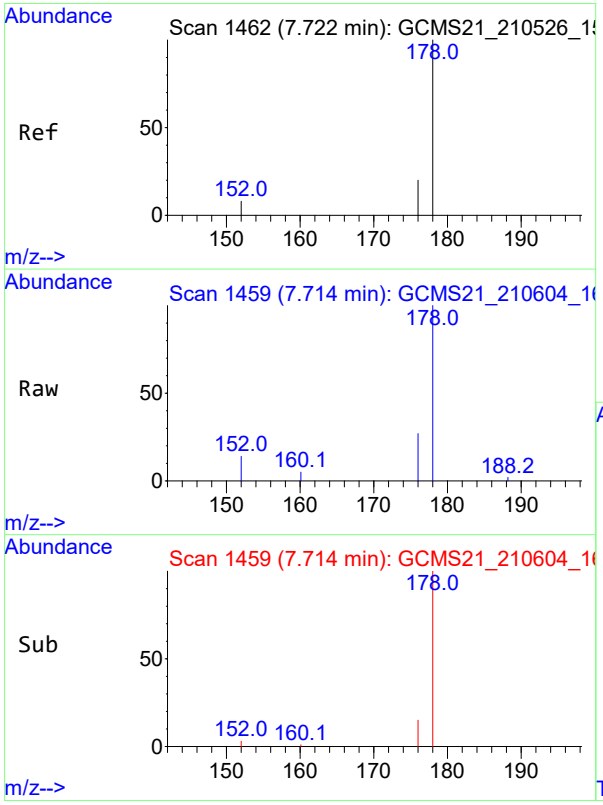


#12
Phenanthrene
Concen: 1289.89 ng/mL
RT: 7.660 min Scan# 1437
Delta R.T. 0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:178 Resp: 1879796

Ion	Ratio	Lower	Upper
178	100		
176	21.0	0.0	51.1
152	10.9	0.0	40.5

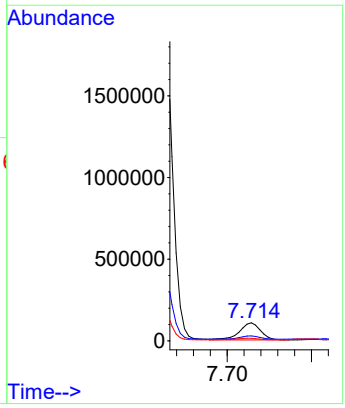


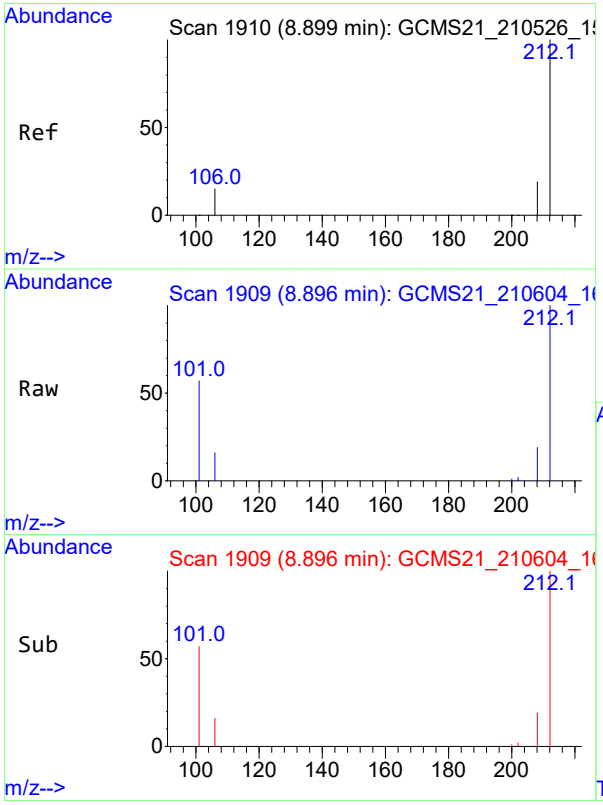


#13
Anthracene
Concen: 75.42 ng/mL
RT: 7.714 min Scan# 1459
Delta R.T. 0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:178 Resp: 91391

Ion	Ratio	Lower	Upper
178	100		
176	18.1	0.0	50.0
152	12.6	0.0	38.2

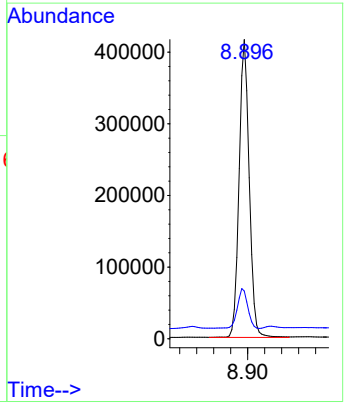


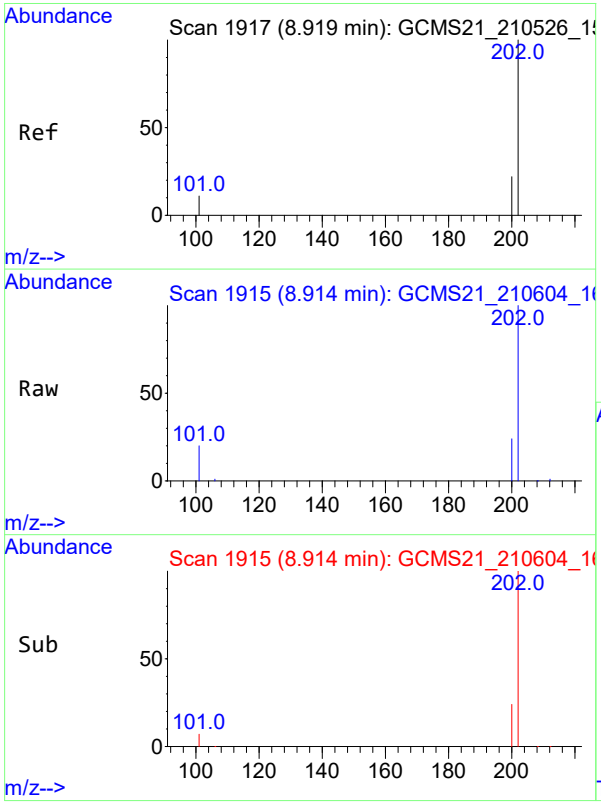


#14
Fluoranthene-D10
Concen: 262.32 ng/mL
RT: 8.896 min Scan# 1909
Delta R.T. 0.015 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:212 Resp: 342986

Ion	Ratio	Lower	Upper
212	100		
106	13.7	0.0	43.1

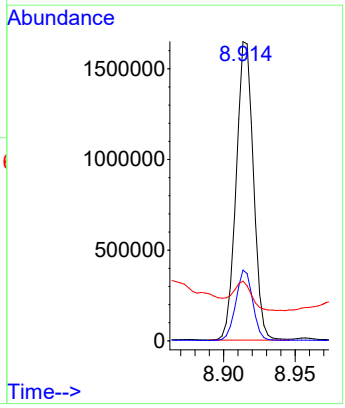


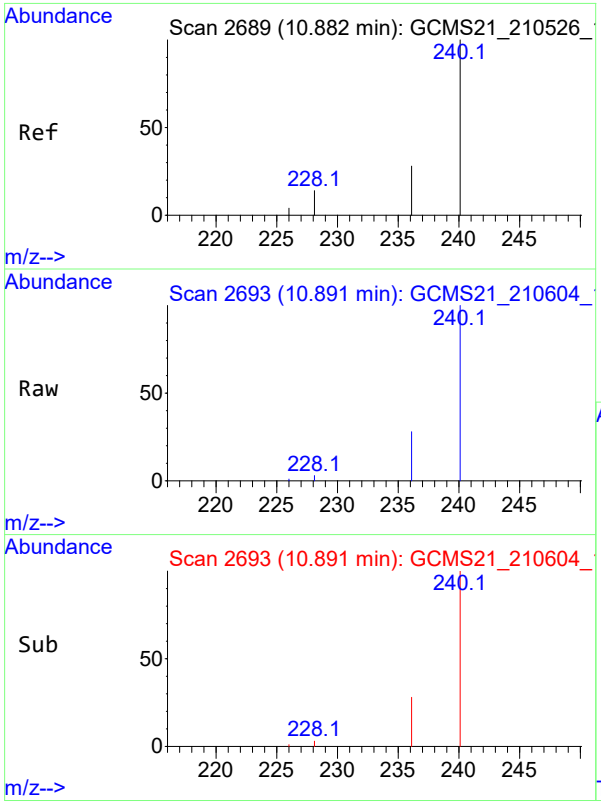


#15
Fluoranthene
Concen: 895.00 ng/mL
RT: 8.914 min Scan# 1915
Delta R.T. 0.015 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:202 Resp: 1376581

Ion	Ratio	Lower	Upper
202	100		
200	23.1	0.0	53.3
101	11.2	0.0	41.8

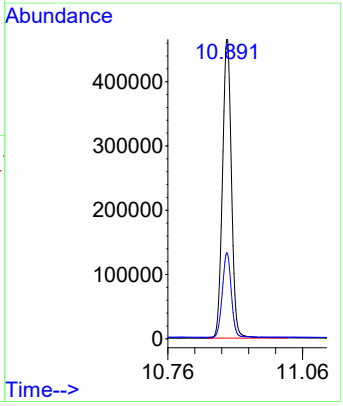


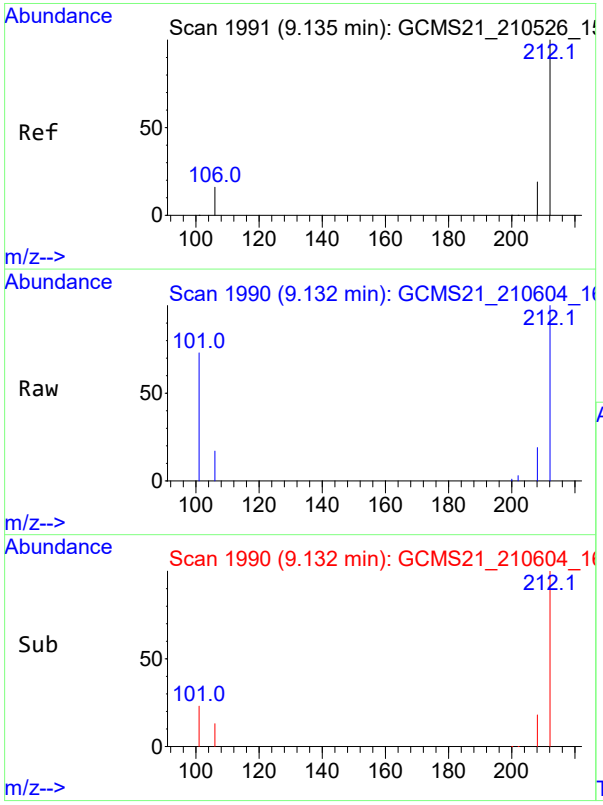


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.891 min Scan# 2693
Delta R.T. 0.029 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:240 Resp: 650119

Ion	Ratio	Lower	Upper
240	100		
236	28.2	0.0	58.5

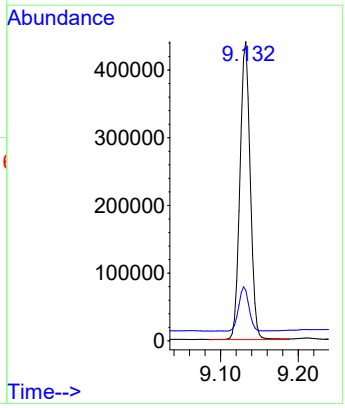


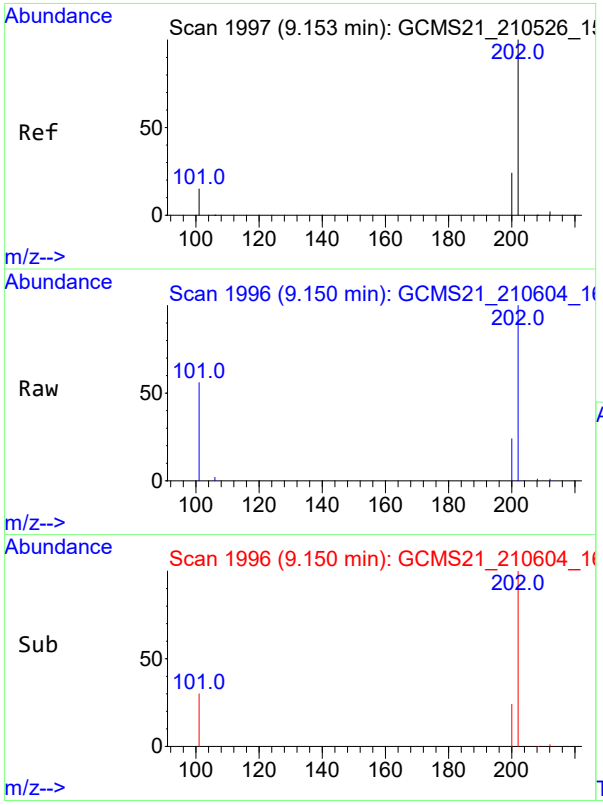


#17
Pyrene-D10
Concen: 272.53 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. 0.012 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:212 Resp: 404247

Ion	Ratio	Lower	Upper
212	100		
106	14.7	0.0	46.3

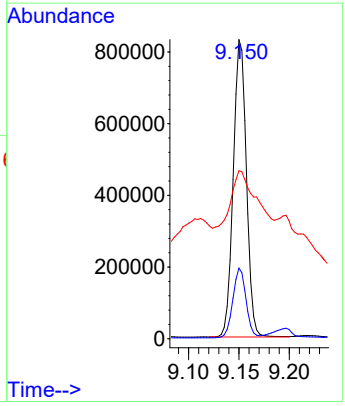


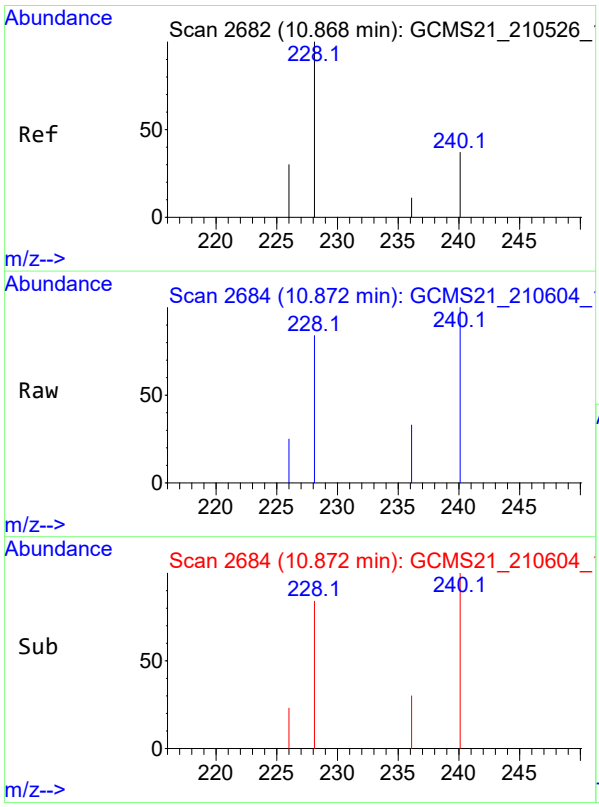


#18
Pyrene
Concen: 433.85 ng/mL m
RT: 9.150 min Scan# 1996
Delta R.T. 0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:202 Resp: 751721

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.3
101	12.5	0.0	43.2

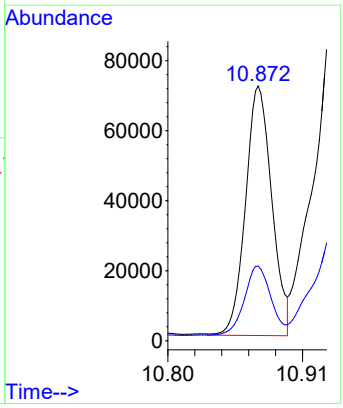


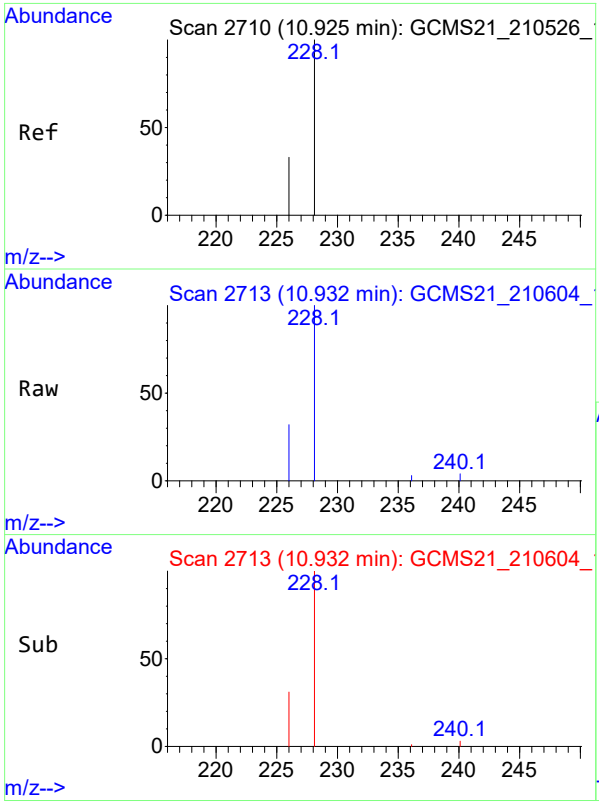


#19
Benzo(a)anthracene
Concen: 76.53 ng/mL m
RT: 10.872 min Scan# 2684
Delta R.T. 0.025 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:228 Resp: 100072

Ion	Ratio	Lower	Upper
228	100		
226	26.6	0.0	59.2

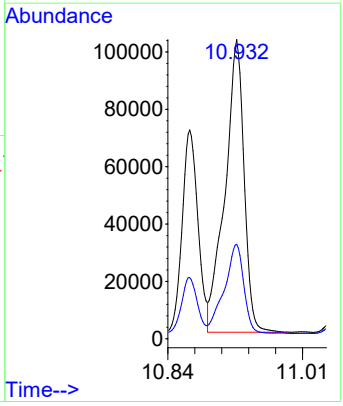


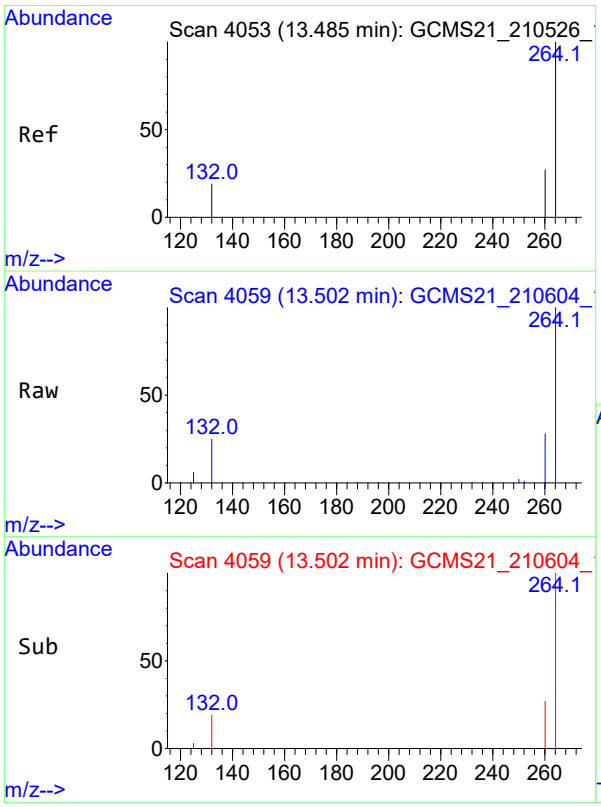


#20
Chrysene
Concen: 105.45 ng/mL
RT: 10.932 min Scan# 2713
Delta R.T. 0.027 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:228 Resp: 170243

Ion	Ratio	Lower	Upper
228	100		
226	31.8	1.9	61.9

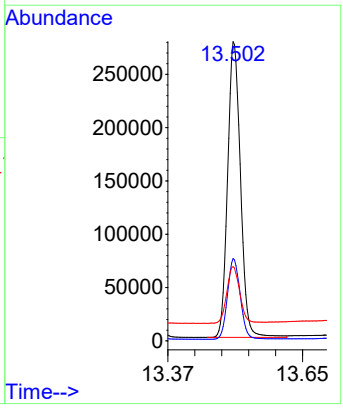


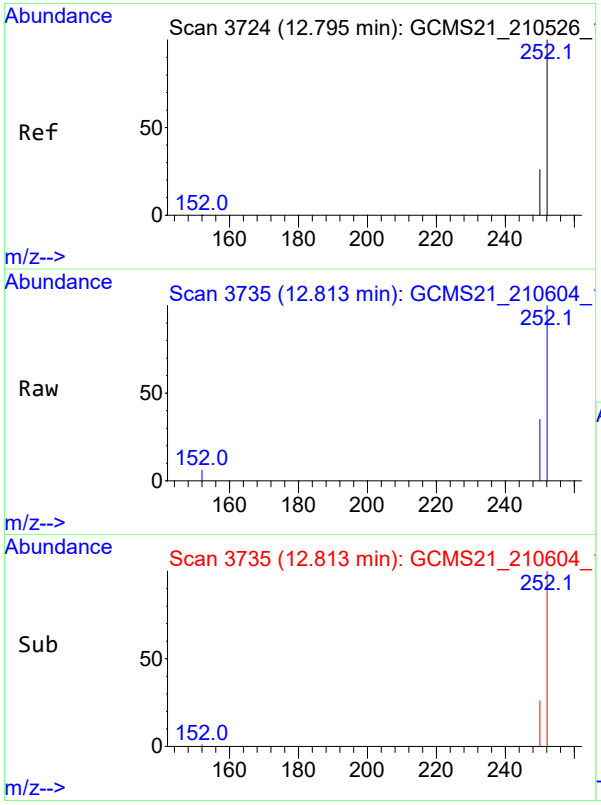


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.502 min Scan# 4059
Delta R.T. 0.041 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:264 Resp: 511772

Ion	Ratio	Lower	Upper
264	100		
260	27.0	0.0	57.7
132	19.5	0.0	49.0

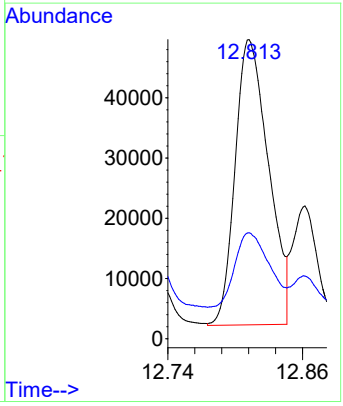


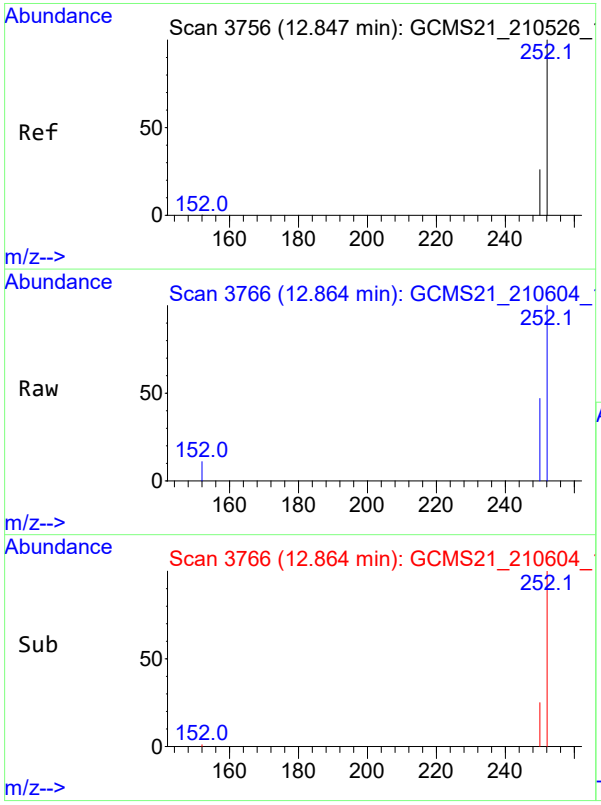


#22
Benzo(b)fluoranthene
Concen: 93.34 ng/mL
RT: 12.813 min Scan# 3735
Delta R.T. 0.041 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:252 Resp: 99156

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	56.1

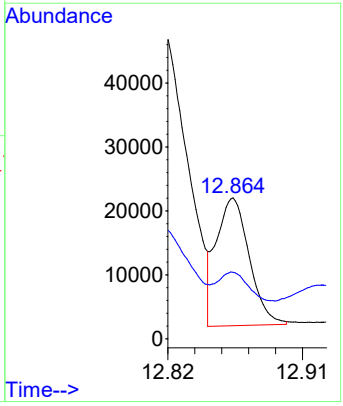


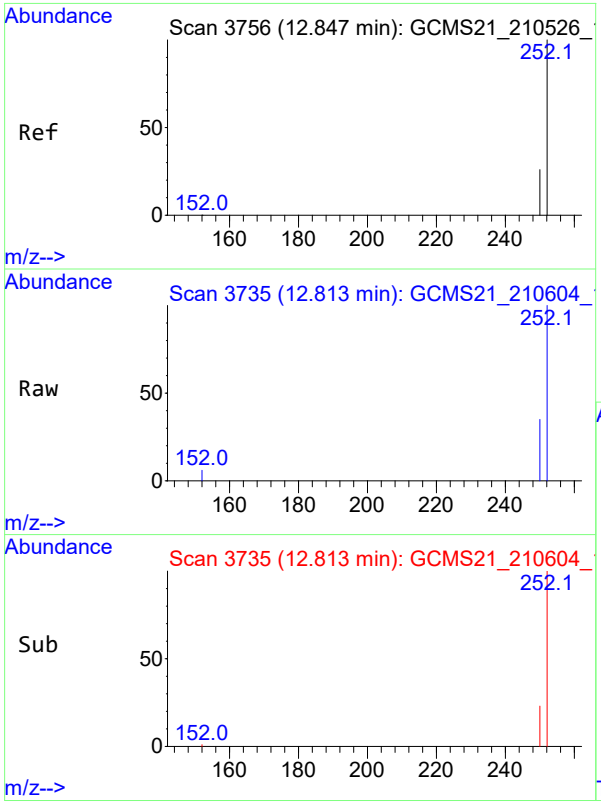


#23
Benzo(k)fluoranthene
Concen: 27.35 ng/mL m
RT: 12.864 min Scan# 3766
Delta R.T. 0.040 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:252 Resp: 32194

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	55.4

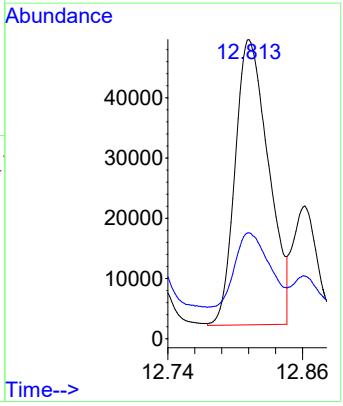


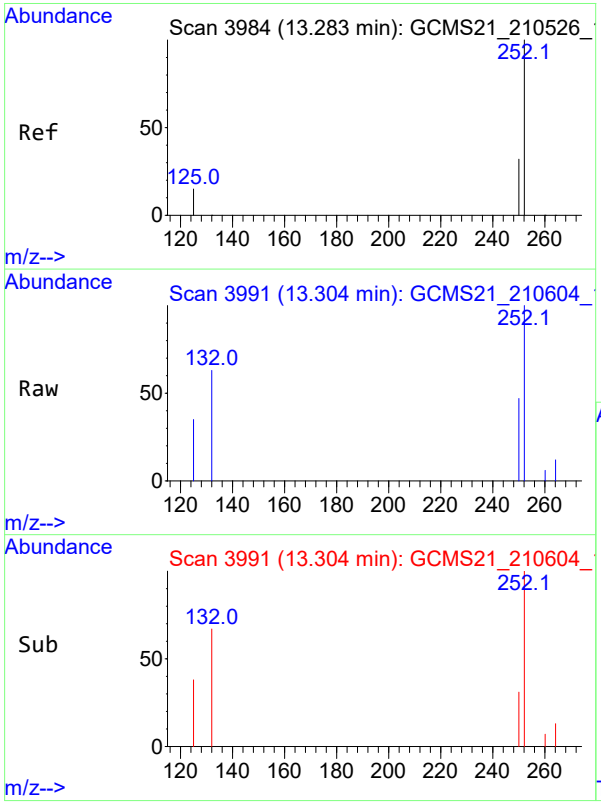


#24
benzo(b+k)fluoranthene (sum)
Concen: 85.90 ng/mL
RT: 12.813 min Scan# 3735
Delta R.T. -0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:252 Resp: 99156

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	55.4

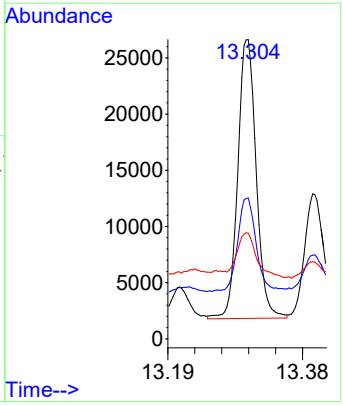


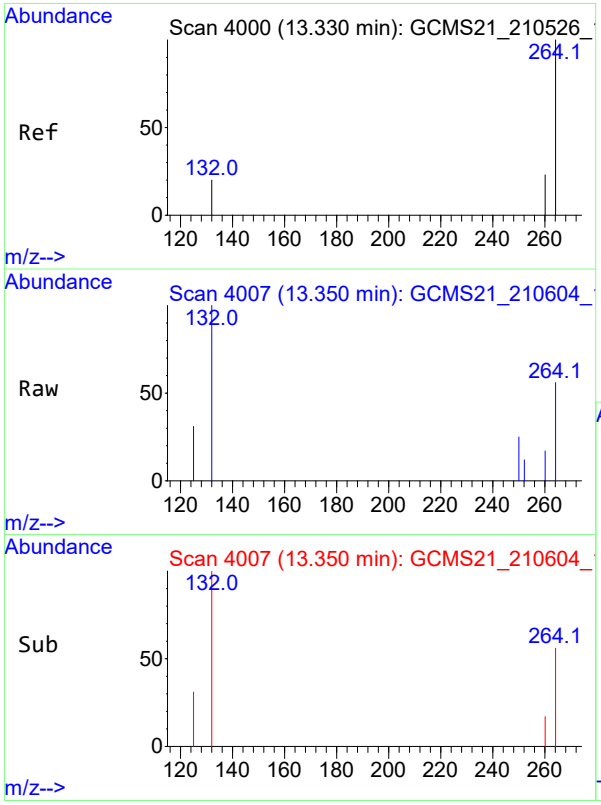


#25
Benzo(e)pyrene
Concen: 40.30 ng/mL
RT: 13.304 min Scan# 3991
Delta R.T. 0.044 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:252 Resp: 43176

Ion	Ratio	Lower	Upper
252	100		
250	33.6	2.1	62.1
125	17.7	0.0	45.8

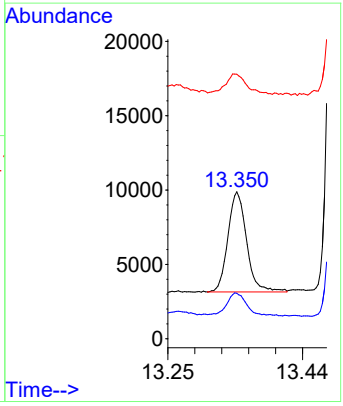


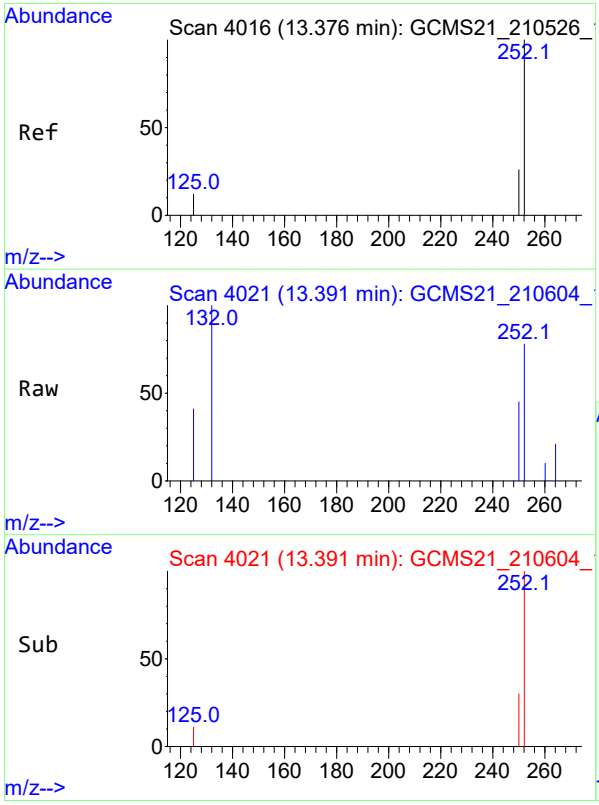


#26
Benzo(a)pyrene-D12
Concen: 14.71 ng/mL
RT: 13.350 min Scan# 4007
Delta R.T. 0.038 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:264 Resp: 12227

Ion	Ratio	Lower	Upper
264	100		
260	39.5	0.0	52.9
132	21.6	0.0	48.4

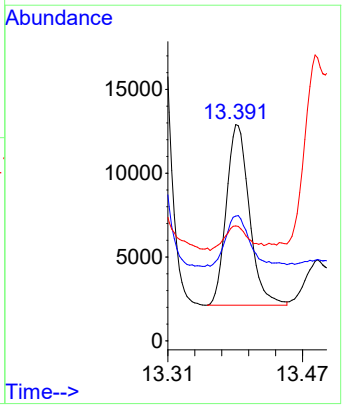


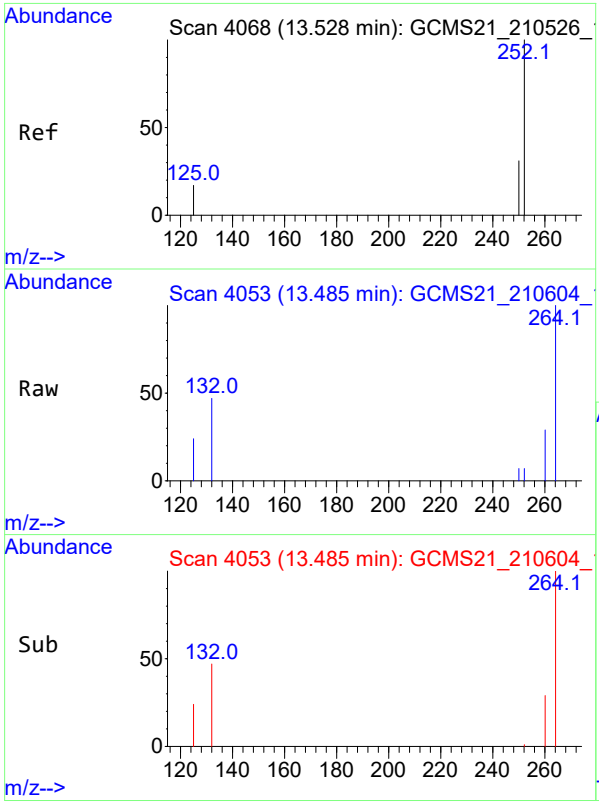


#27
Benzo(a)pyrene
Concen: 20.28 ng/mL
RT: 13.391 min Scan# 4021
Delta R.T. 0.041 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:252 Resp: 19658

Ion	Ratio	Lower	Upper
252	100		
250	28.8	0.0	56.7
125	14.0	0.0	42.1

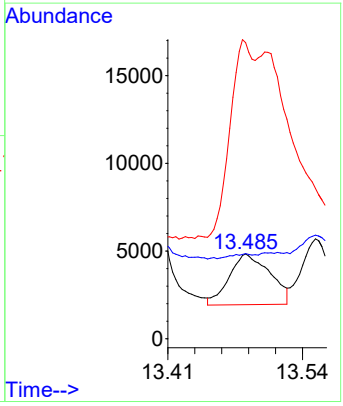


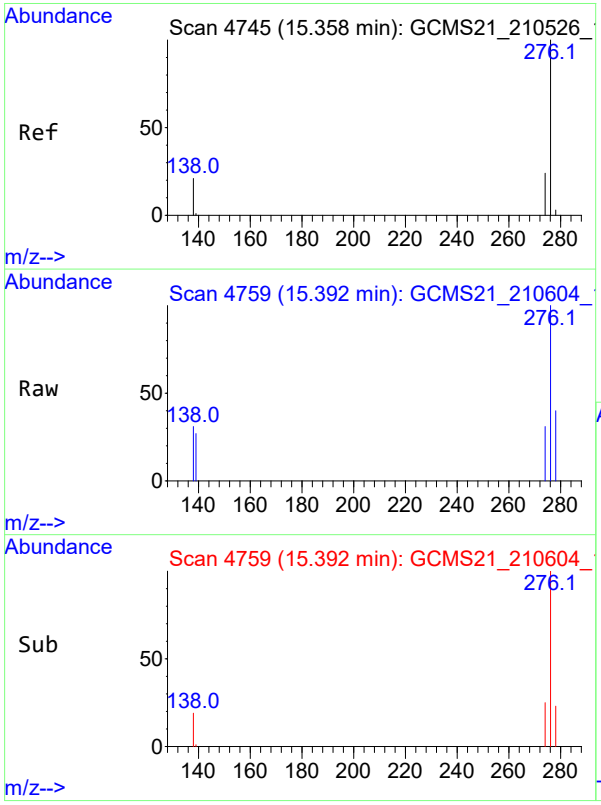


#28
Perylene
Concen: 6.93 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.020 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:252 Resp: 7543

Ion	Ratio	Lower	Upper
252	100		
250	4.6	1.2	61.2
125	228.7	0.0	46.5#

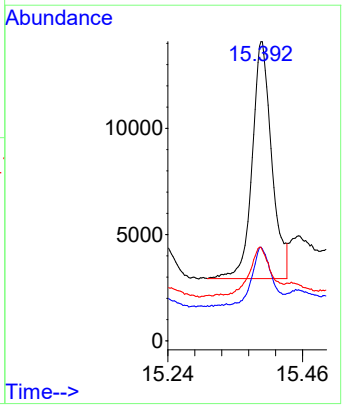


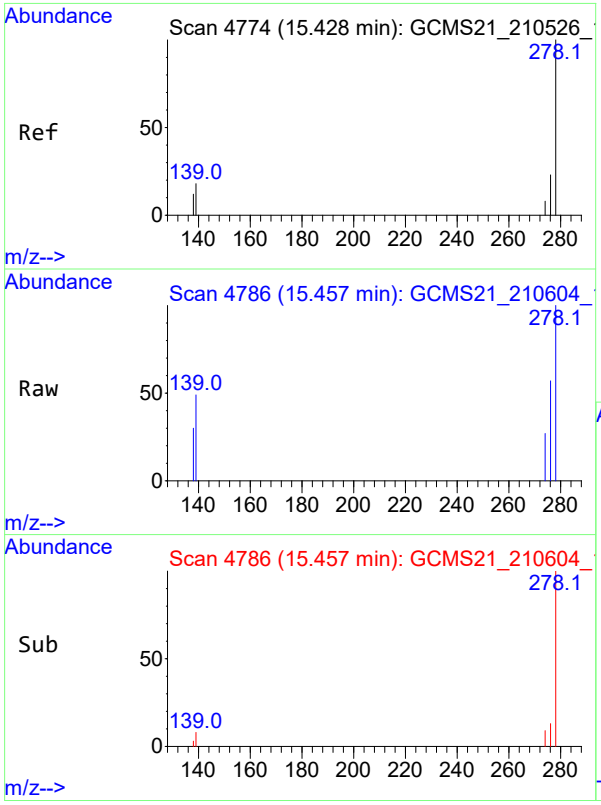


#29
Indeno(1,2,3-cd)pyrene
Concen: 30.53 ng/mL
RT: 15.392 min Scan# 4759
Delta R.T. 0.060 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:276 Resp: 25328

Ion	Ratio	Lower	Upper
276	100		
274	23.9	0.0	53.5
138	21.6	0.0	50.6

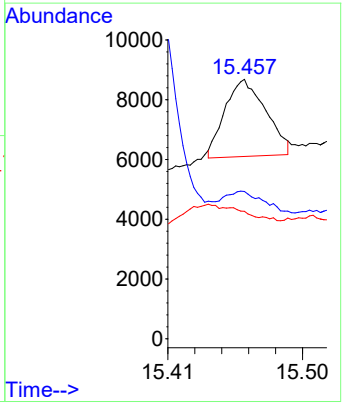


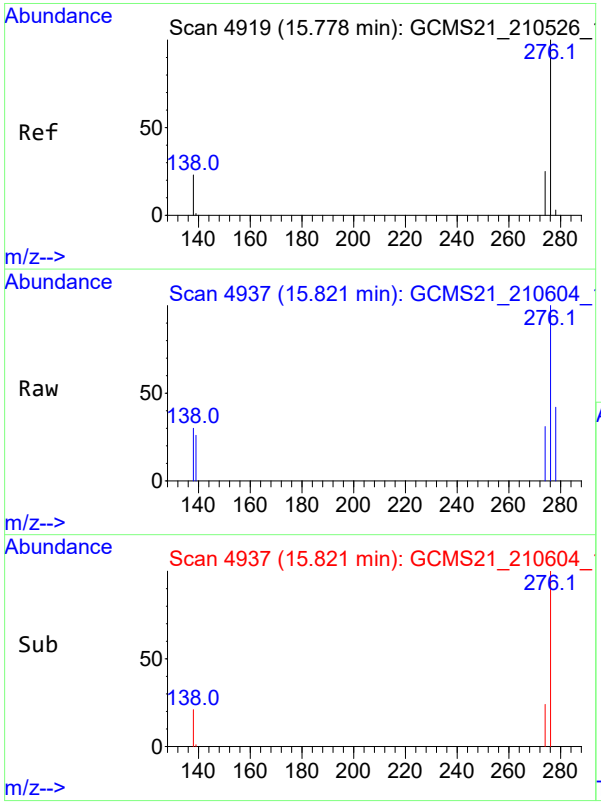


#30
Dibenz(a,h)anthracene
Concen: 5.91 ng/mL m
RT: 15.457 min Scan# 4786
Delta R.T. 0.053 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:278 Resp: 4883

Ion	Ratio	Lower	Upper
278	100		
276	27.5	0.0	58.7
139	21.3	0.0	47.2

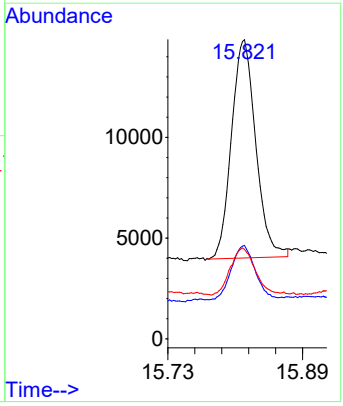




#31
Benzo(g,h,i)perylene
Concen: 20.75 ng/mL m
RT: 15.821 min Scan# 4937
Delta R.T. 0.065 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 02:53 pm

Tgt Ion:276 Resp: 22372

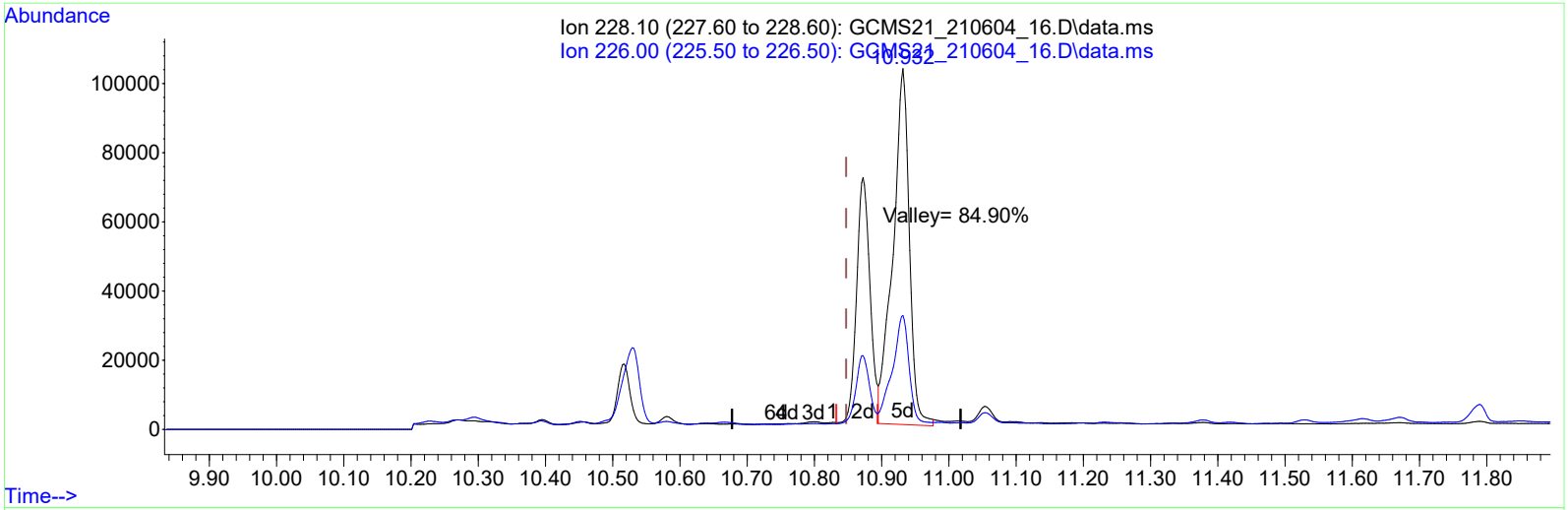
Ion	Ratio	Lower	Upper
276	100		
274	25.8	0.0	54.2
138	20.8	0.0	52.4

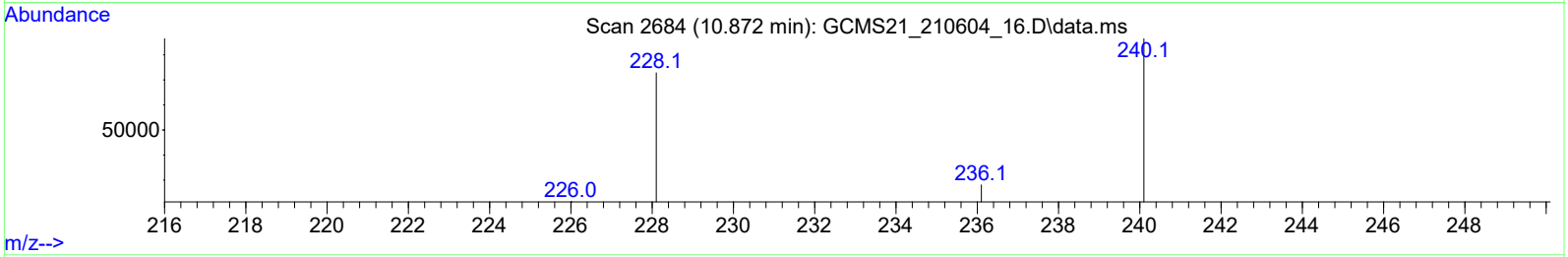


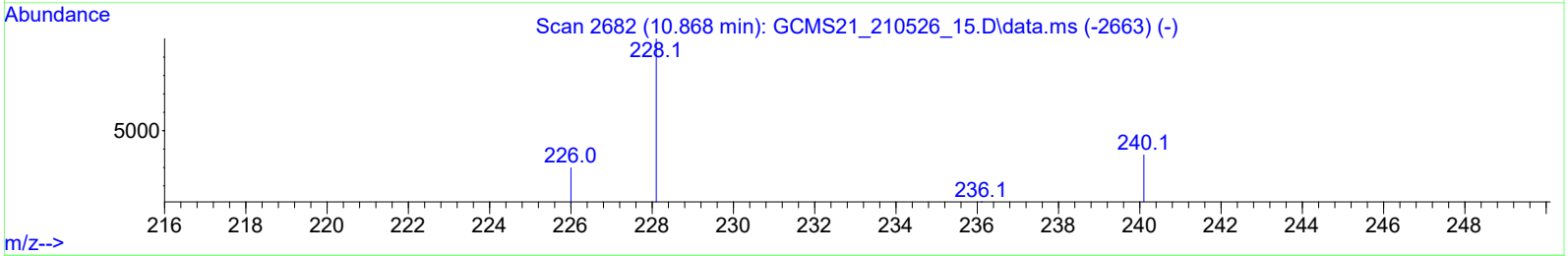
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210604
... 006\
Data File : GCMS21_210604_16.D
Acq On : 04 Jun 2021 02:53 pm
Operator : MN GCMS21
Sample : 2105001-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 30 12:03:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_16.D\data.ms

(19) Benzo(a)anthracene (M)

10.872min (+ 0.025) 76.53 ng/mL m

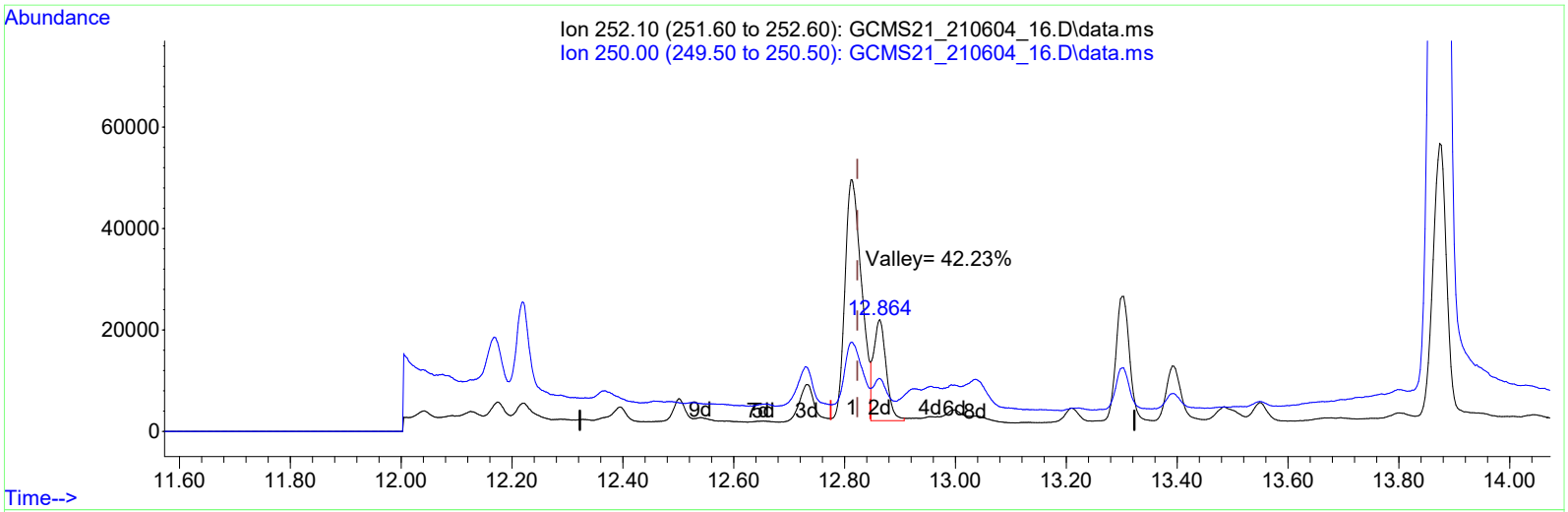
response 100072

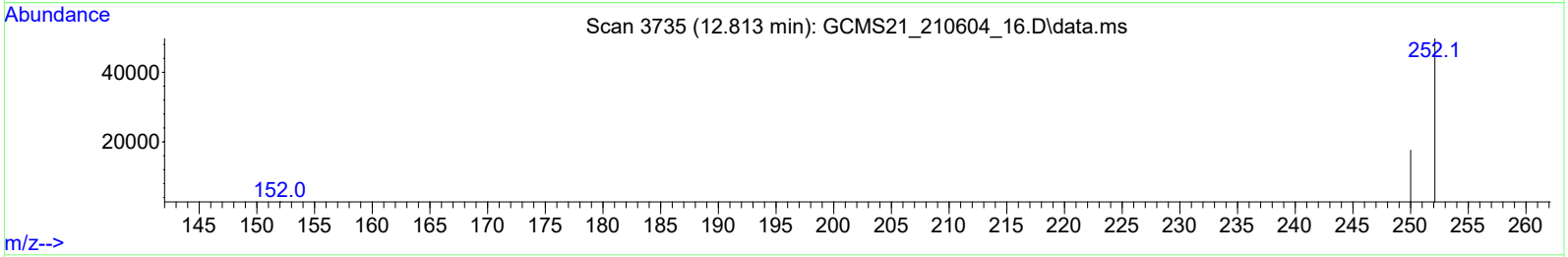
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.20	26.60
0.00	0.00	0.00
0.00	0.00	0.00

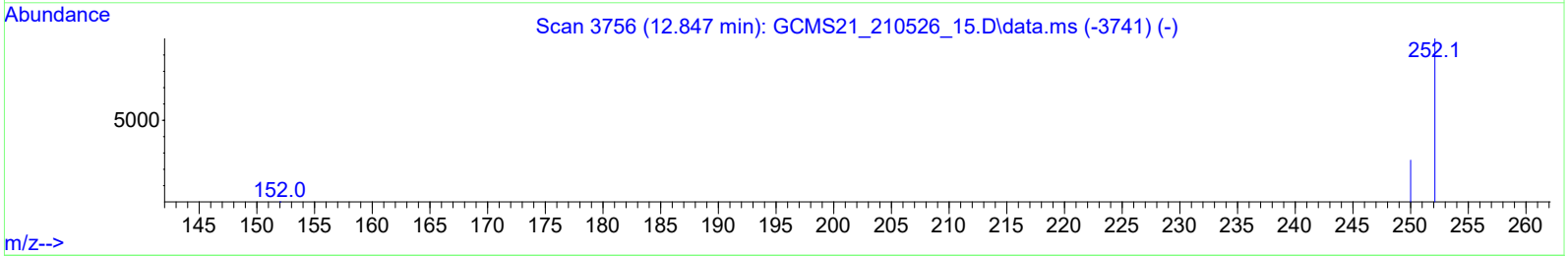
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210604
... 006\
Data File : GCMS21_210604_16.D
Acq On : 04 Jun 2021 02:53 pm
Operator : MN GCMS21
Sample : 2105001-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 30 12:03:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_16.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.813min (-0.010) 85.90 ng/mL

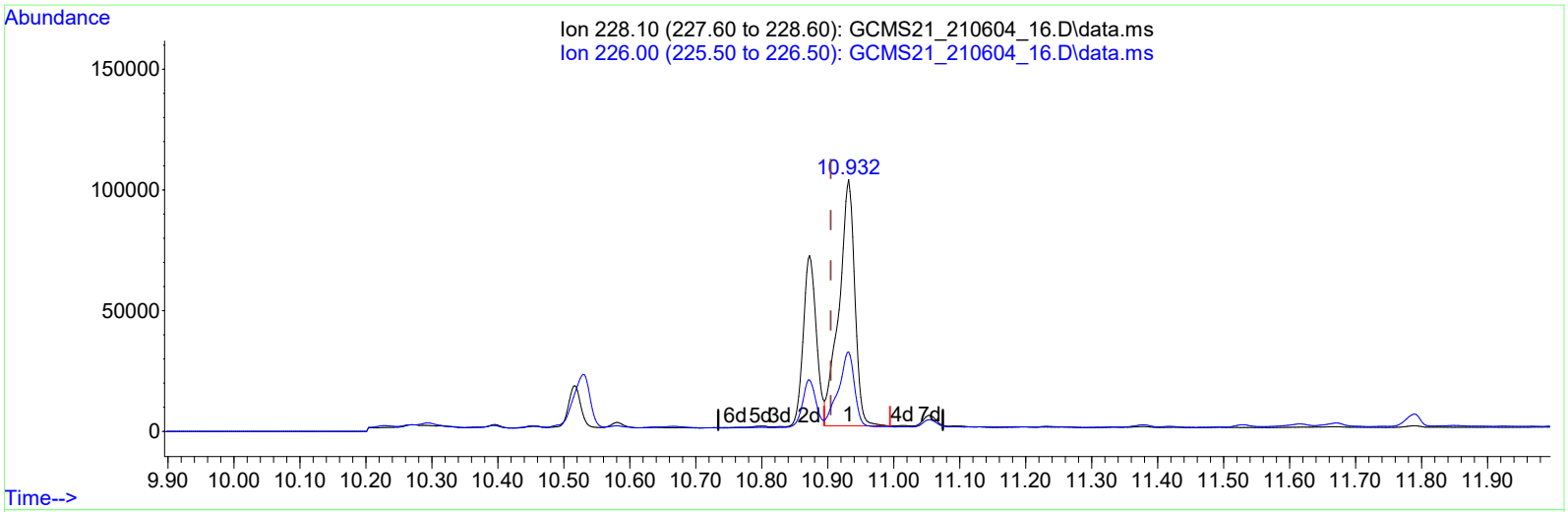
response 99156

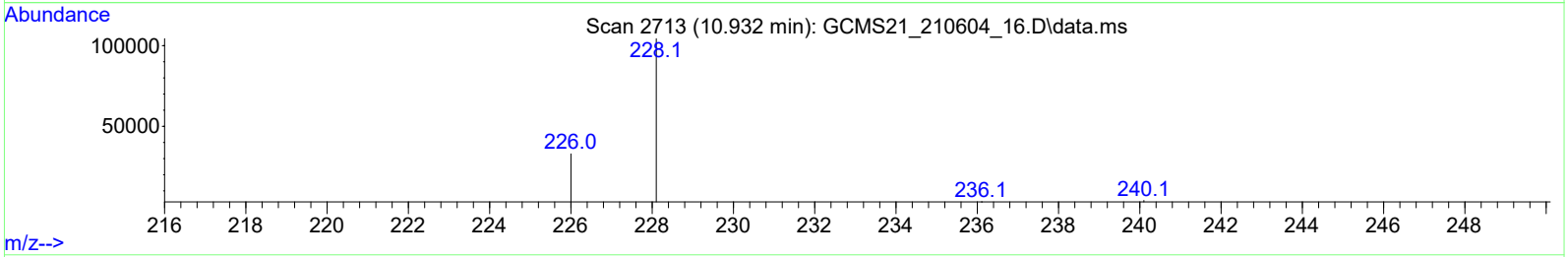
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.40	26.84
0.00	0.00	0.00
0.00	0.00	0.00

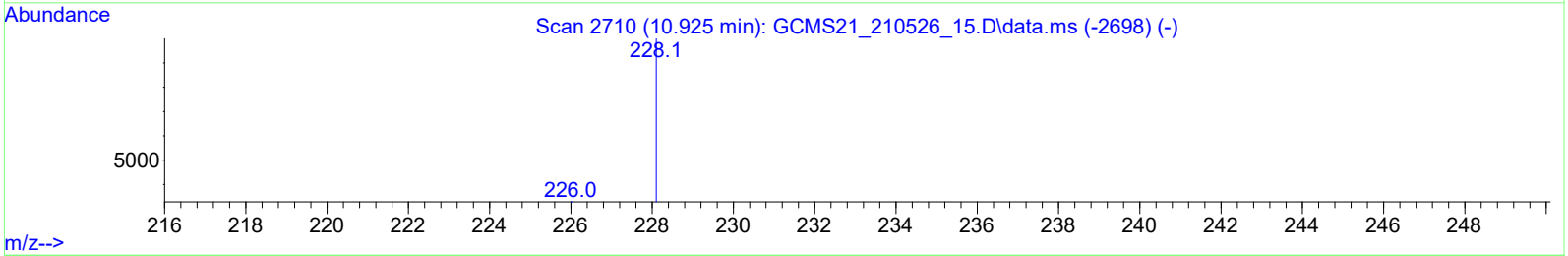
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210604
... 006\
Data File : GCMS21_210604_16.D
Acq On : 04 Jun 2021 02:53 pm
Operator : MN GCMS21
Sample : 2105001-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 30 12:03:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_16.D\data.ms

(20) Chrysene (M)

10.932min (+ 0.027) 105.45 ng/mL

response 170243

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	31.90	31.80
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_16.D
Acq On : 04 Jun 2021 14:53
Operator : MN GCMS21
Sample : 2105001-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 30 12:03:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

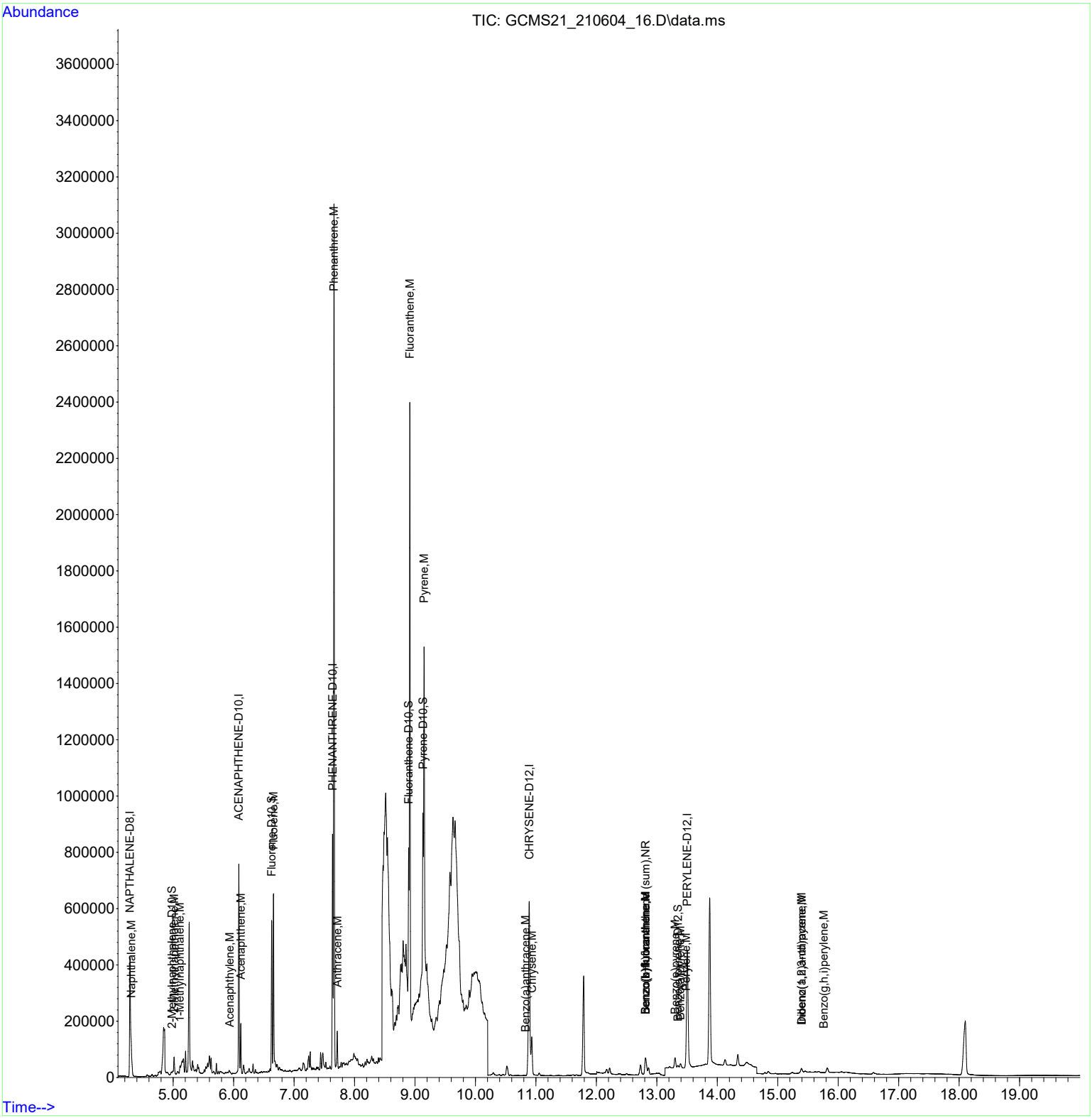
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.286	136	462151	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.086	164	283018	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.638	188	603835	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.891	240	650119	500.00	ng/mL	0.03
21) PERYLENE-D12	13.502	264	511772	500.00	ng/mL	0.04
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.978	152	903	1.55	ng/mL	0.00
9) Fluorene-D10	6.629	176	218319	322.20	ng/mL	0.00
14) Fluoranthene-D10	8.896	212	342986	262.32	ng/mL	0.01
17) Pyrene-D10	9.132	212	404247	272.53	ng/mL	0.01
26) Benzo(a)pyrene-D12	13.350	264	12227	14.71	ng/mL	0.04
Target Compounds						Qvalue
2) Naphthalene	4.306	128	50990	57.50	ng/mL	98
4) 2-Methylnaphthalene	5.016	142	26094	39.96	ng/mL	83
5) 1-Methylnaphthalene	5.112	142	12344	22.69	ng/mL	96
7) Acenaphthylene	5.936	152	8535	9.09	ng/mL#	1
8) Acenaphthene	6.120	153	51999	72.32	ng/mL	94
10) Fluorene	6.660	166	240281	301.91	ng/mL	99
12) Phenanthrene	7.660	178	1879796	1289.89	ng/mL	100
13) Anthracene	7.714	178	91391	75.42	ng/mL	94
15) Fluoranthene	8.914	202	1376581	895.00	ng/mL	99
18) Pyrene	9.150	202	751721	433.85	ng/mL#	22
19) Benzo(a)anthracene	10.827	228	230	0.18	ng/mL#	45
20) Chrysene	10.932	228	170243	105.45	ng/mL	100
22) Benzo(b)fluoranthene	12.813	252	99156	93.34	ng/mL	99
23) Benzo(k)fluoranthene	12.813	252	99427	84.45	ng/mL	97
24) benzo(b+k)fluoranthene...	12.813	252	99156	85.90	ng/mL	97
25) Benzo(e)pyrene	13.304	252	43176	40.30	ng/mL	97
27) Benzo(a)pyrene	13.391	252	19658	20.28	ng/mL	96
28) Perylene	13.485	252	7543	6.93	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.392	276	25328	30.53	ng/mL	99
30) Dibenz(a,h)anthracene	15.397	278	274	0.33	ng/mL#	1
31) Benzo(g,h,i)perylene	15.763	276	144	0.13	ng/mL#	1

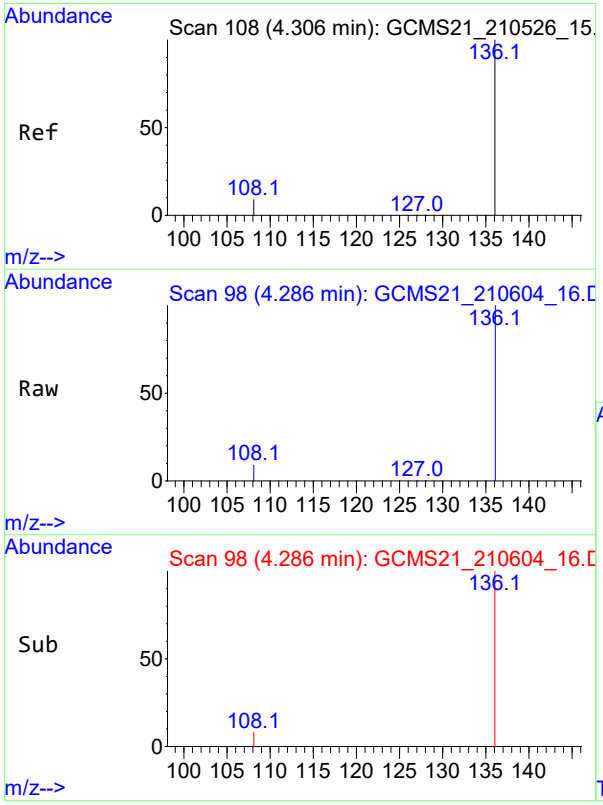
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_16.D
Acq On : 04 Jun 2021 14:53
Operator : MN GCMS21
Sample : 2105001-19
Misc :
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 30 12:03:28 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

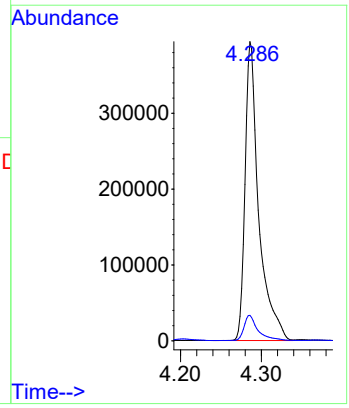


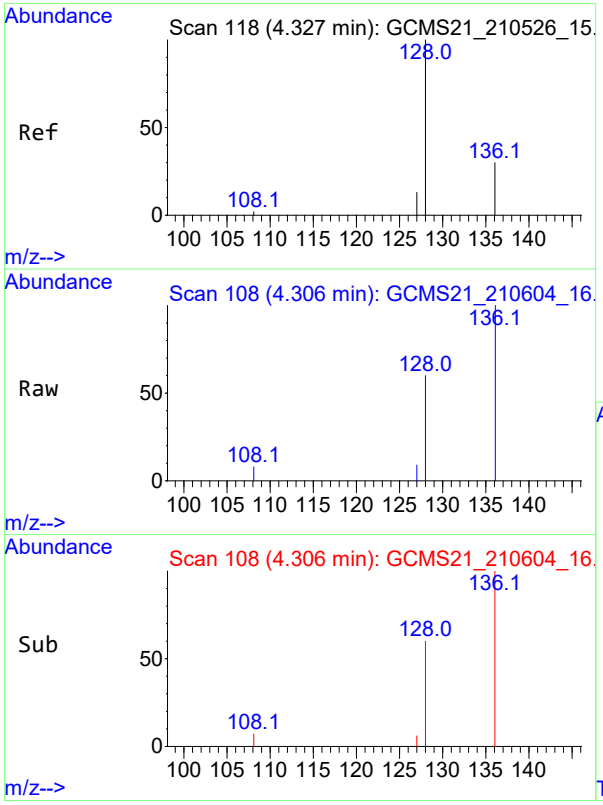


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.286 min Scan# 98
Delta R.T. -0.002 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:136 Resp: 462151

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.6

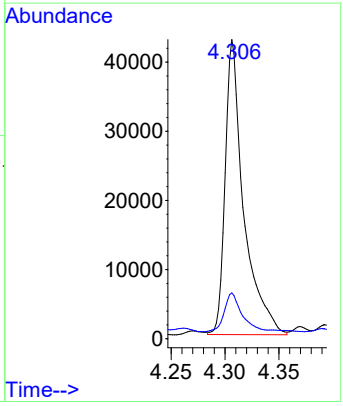


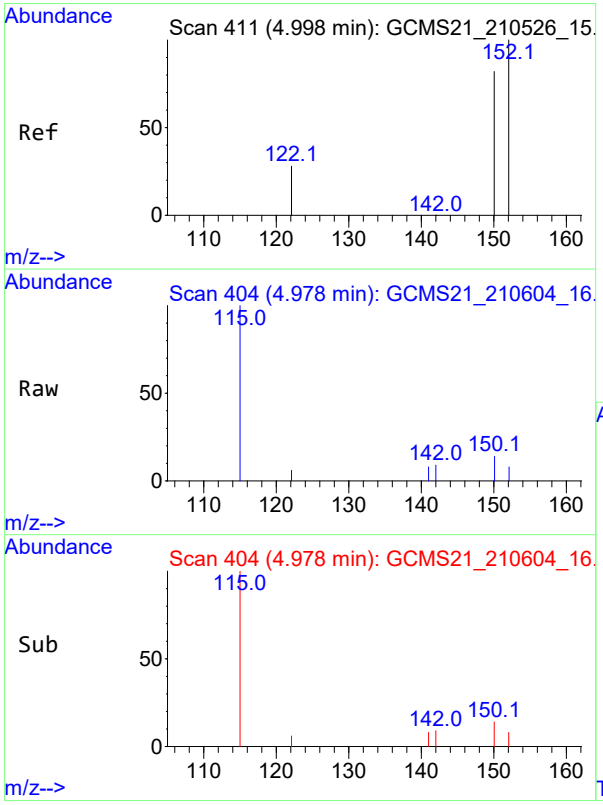


#2
Naphthalene
Concen: 57.50 ng/mL
RT: 4.306 min Scan# 108
Delta R.T. -0.002 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:128 Resp: 50990

Ion	Ratio	Lower	Upper
128	100		
127	12.5	0.0	43.4

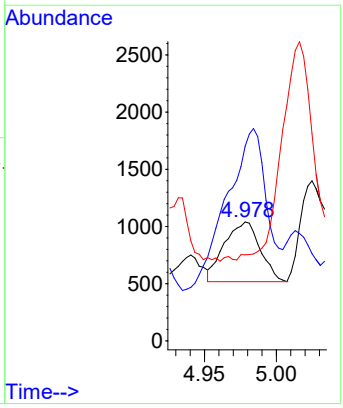


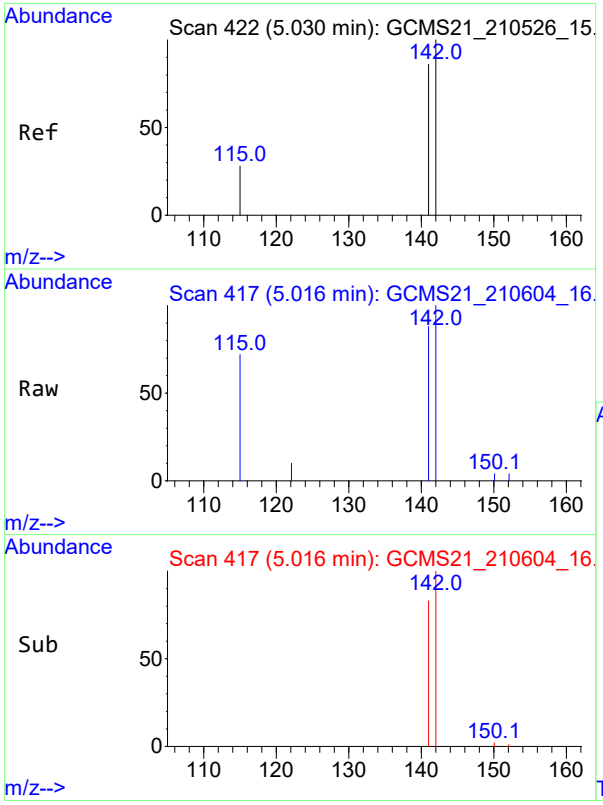


#3
2-Methylnaphthalene-D10
Concen: 1.55 ng/mL
RT: 4.978 min Scan# 404
Delta R.T. -0.003 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:152 Resp: 903

Ion	Ratio	Lower	Upper
152	100		
150	310.4	52.3	112.3#
122	0.0	0.0	57.8

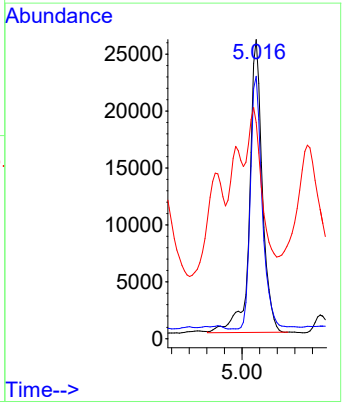


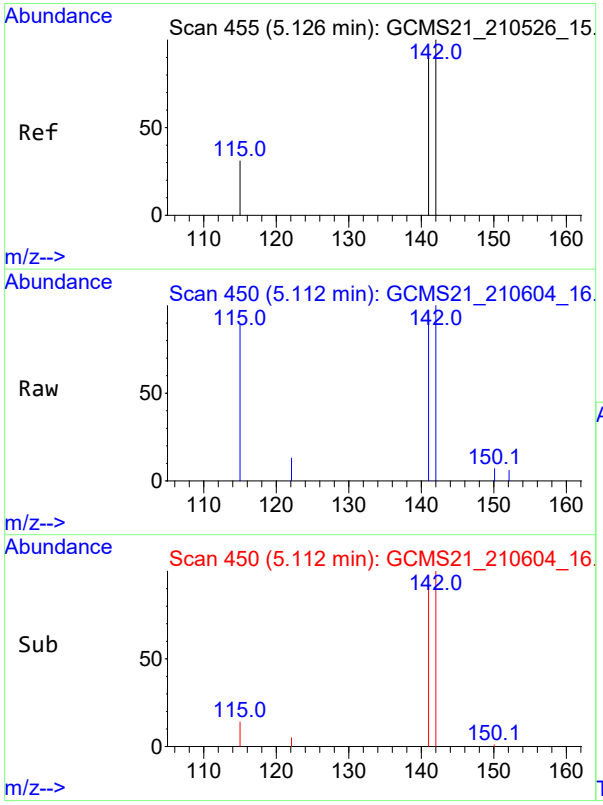


#4
2-Methylnaphthalene
Concen: 39.96 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. 0.003 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:142 Resp: 26094

Ion	Ratio	Lower	Upper
142	100		
141	80.1	56.9	116.9
115	52.9	0.0	57.7

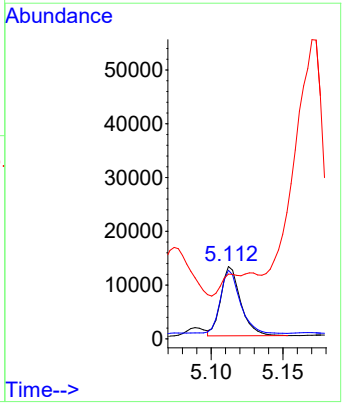


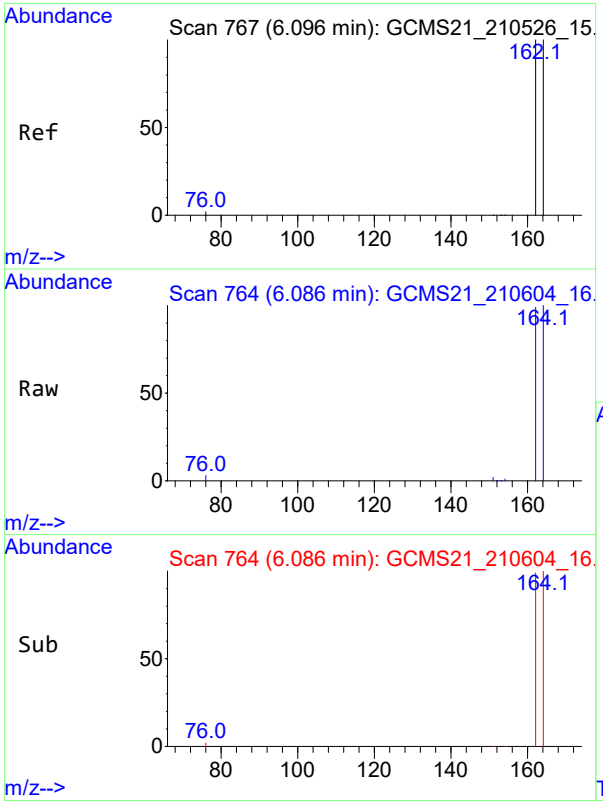


#5
1-Methylnaphthalene
Concen: 22.69 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. 0.000 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:142 Resp: 12344

Ion	Ratio	Lower	Upper
142	100		
141	90.8	57.9	117.9
115	30.2	0.0	57.0

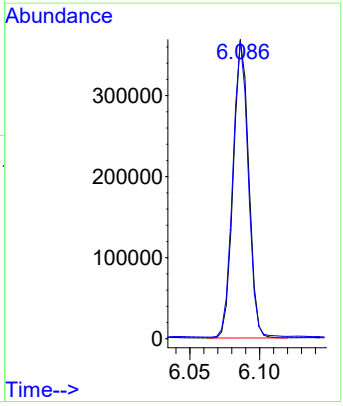


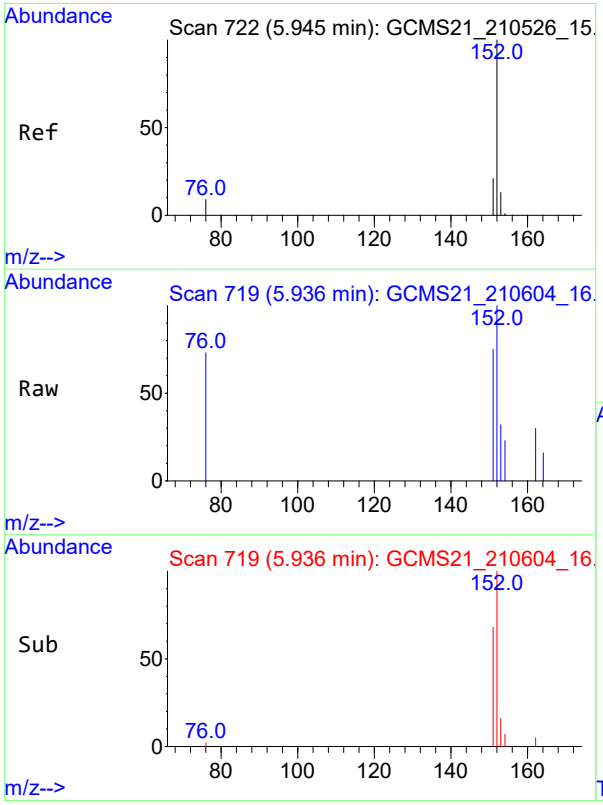


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.086 min Scan# 764
Delta R.T. 0.007 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:164 Resp: 283018

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.0	121.0

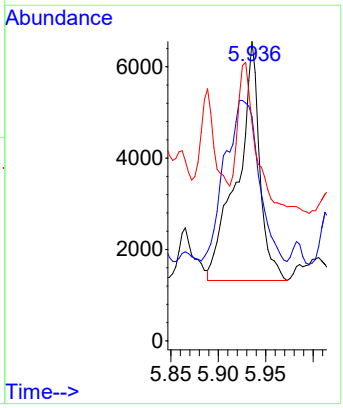


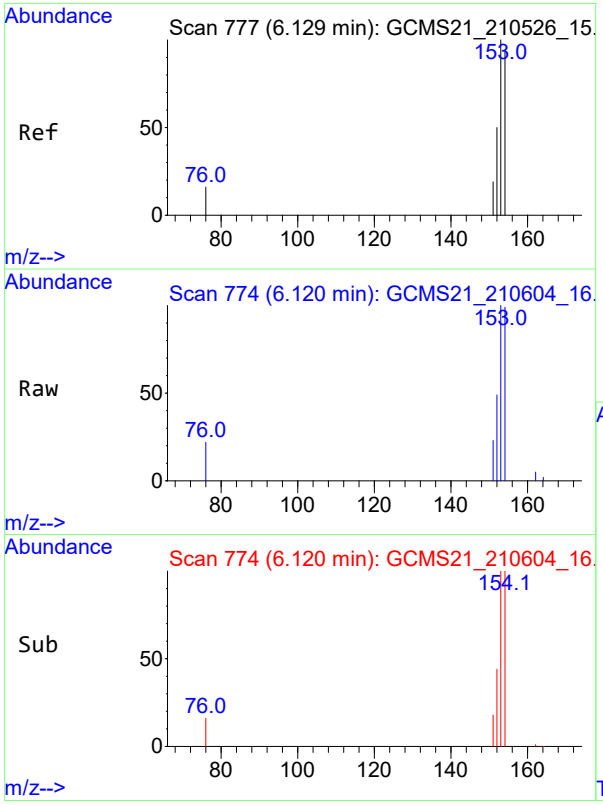


#7
Acenaphthylene
Concen: 9.09 ng/mL
RT: 5.936 min Scan# 719
Delta R.T. 0.007 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:152 Resp: 8535

Ion	Ratio	Lower	Upper
152	100		
151	102.1	0.0	51.0#
76	53.6	0.0	38.6#

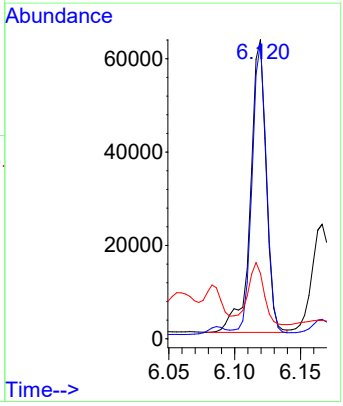


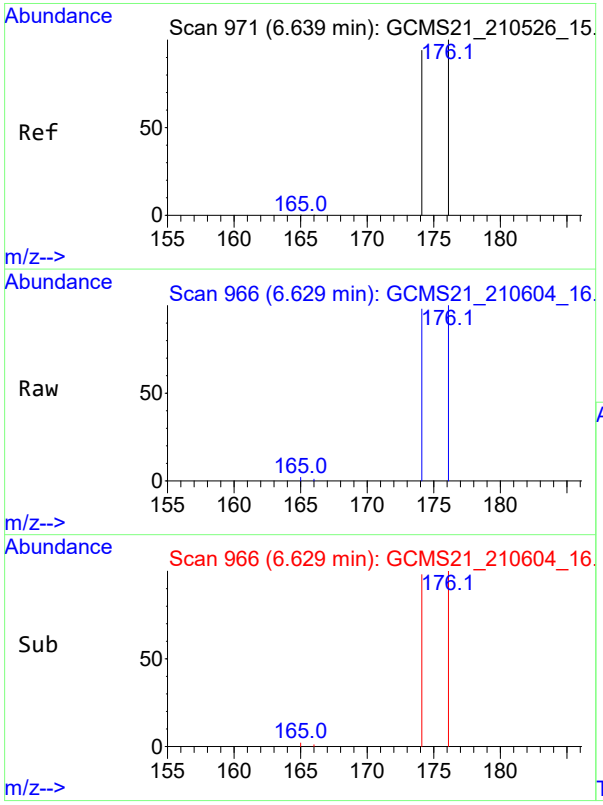


#8
Acenaphthene
Concen: 72.32 ng/mL
RT: 6.120 min Scan# 774
Delta R.T. 0.007 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:153 Resp: 51999

Ion	Ratio	Lower	Upper
153	100		
154	89.8	63.7	123.7
76	22.3	0.0	45.2

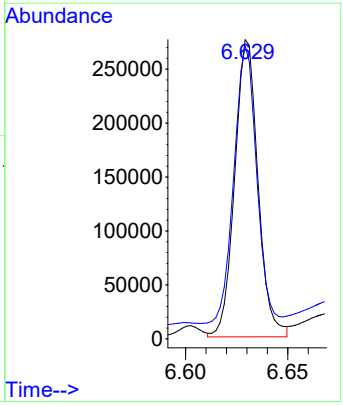


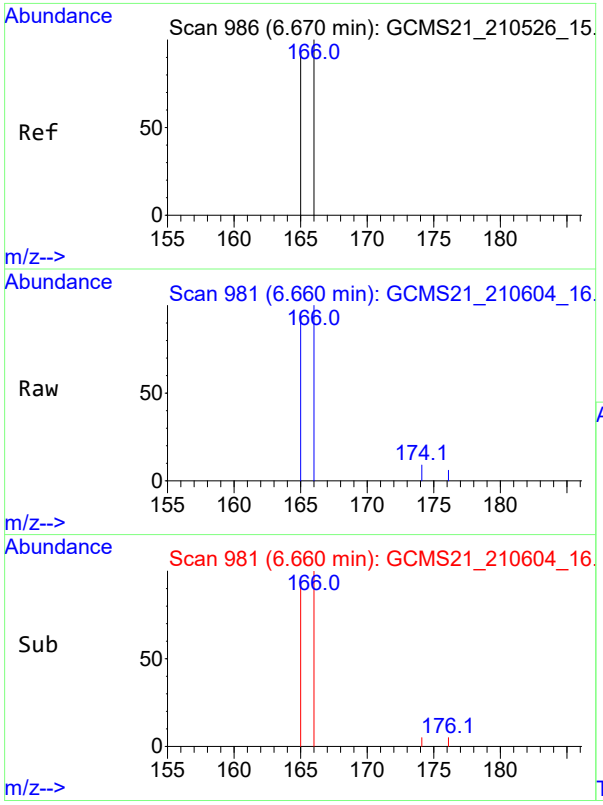


#9
Fluorene-D10
Concen: 322.20 ng/mL
RT: 6.629 min Scan# 966
Delta R.T. 0.006 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:176 Resp: 218319

Ion	Ratio	Lower	Upper
176	100		
174	91.1	63.9	123.9

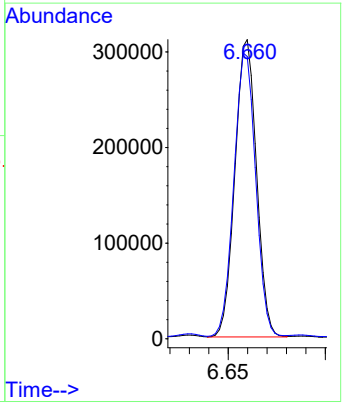


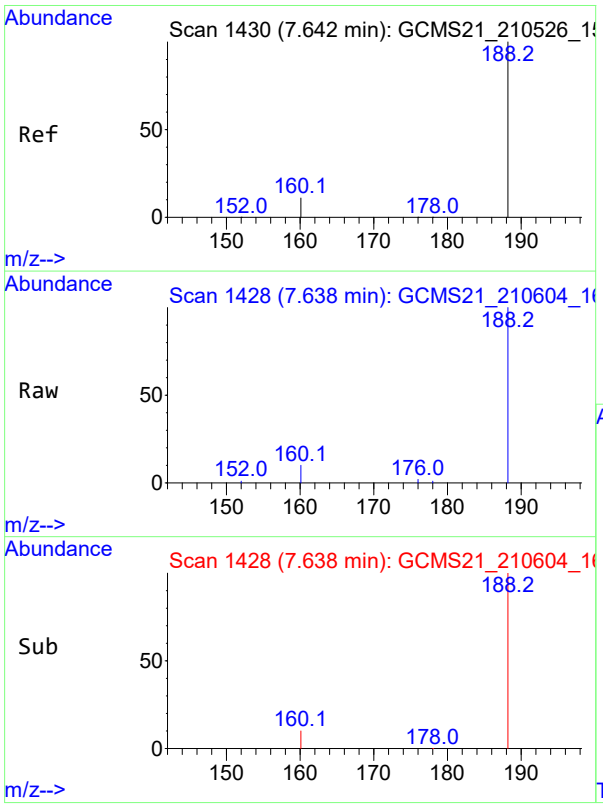


#10
Fluorene
Concen: 301.91 ng/mL
RT: 6.660 min Scan# 981
Delta R.T. 0.008 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:166 Resp: 240281

Ion	Ratio	Lower	Upper
166	100		
165	96.1	65.1	125.1

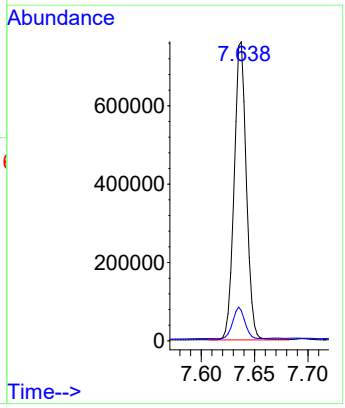


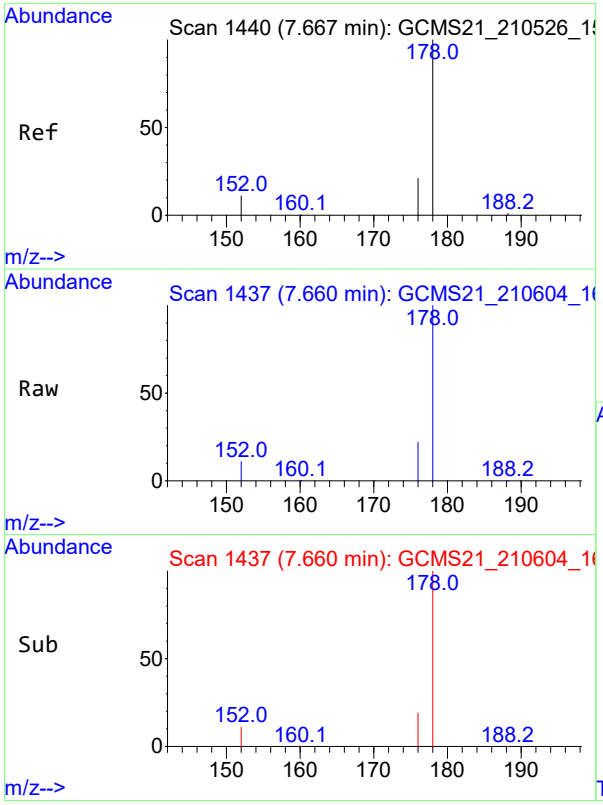


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.638 min Scan# 1428
Delta R.T. 0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:188 Resp: 603835

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	41.1

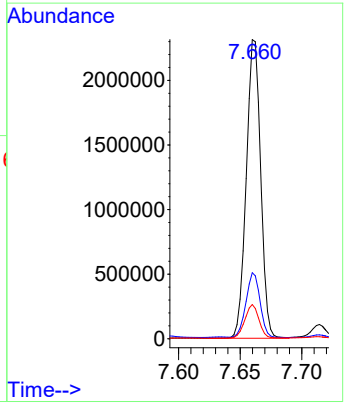


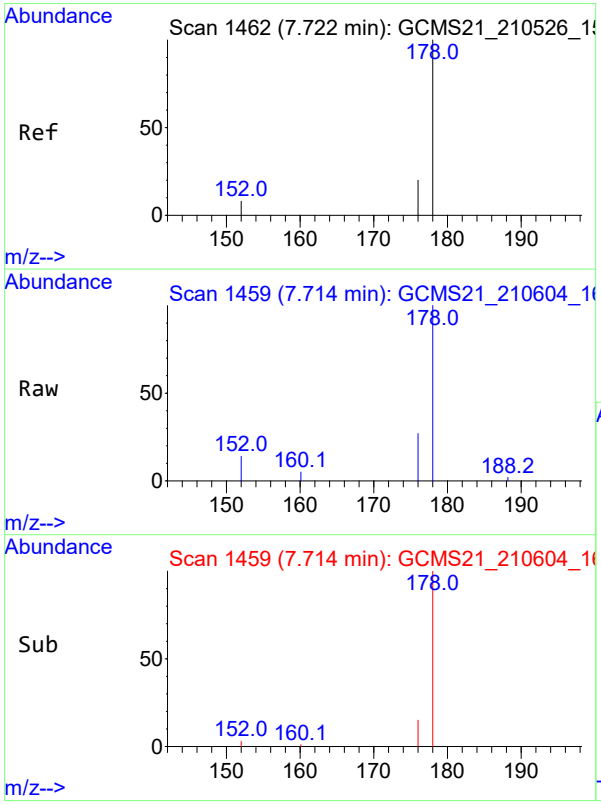


#12
Phenanthrene
Concen: 1289.89 ng/mL
RT: 7.660 min Scan# 1437
Delta R.T. 0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:178 Resp: 1879796

Ion	Ratio	Lower	Upper
178	100		
176	21.0	0.0	51.1
152	10.9	0.0	40.5

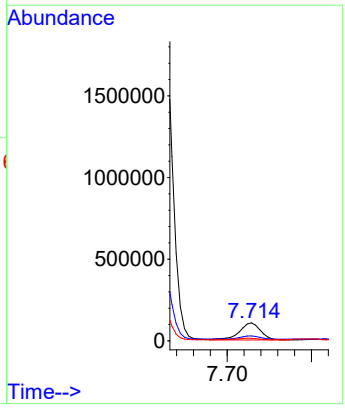


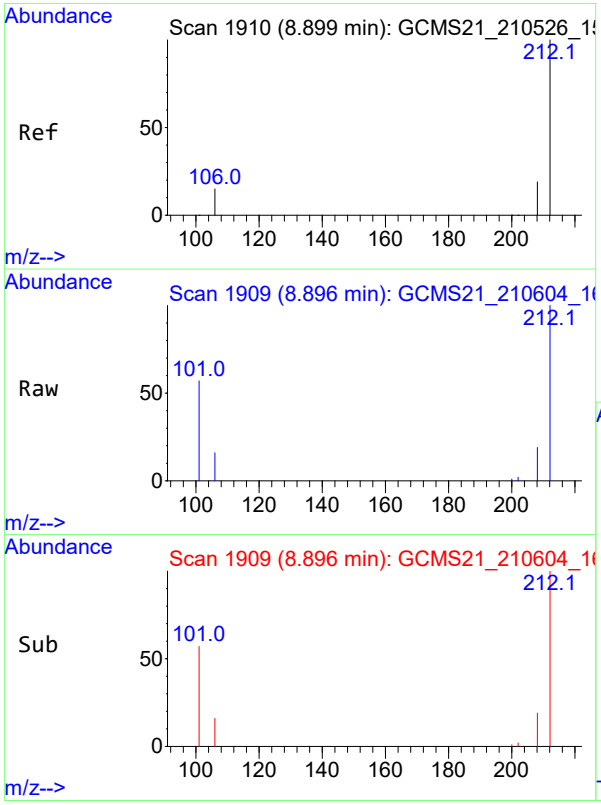


#13
Anthracene
Concen: 75.42 ng/mL
RT: 7.714 min Scan# 1459
Delta R.T. 0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:178 Resp: 91391

Ion	Ratio	Lower	Upper
178	100		
176	18.1	0.0	50.0
152	12.6	0.0	38.2

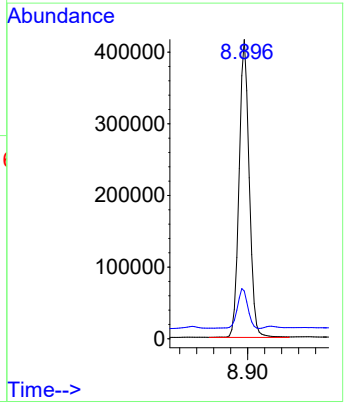


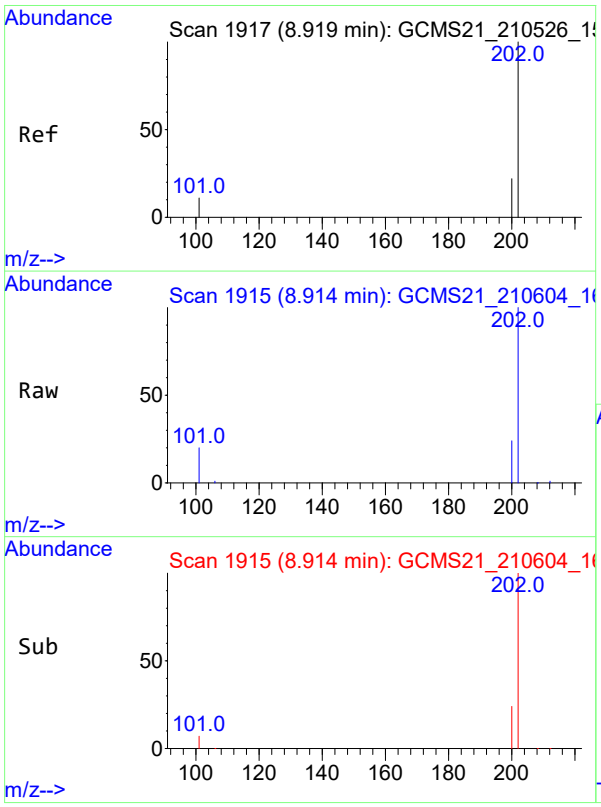


#14
Fluoranthene-D10
Concen: 262.32 ng/mL
RT: 8.896 min Scan# 1909
Delta R.T. 0.015 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:212 Resp: 342986

Ion	Ratio	Lower	Upper
212	100		
106	13.7	0.0	43.1

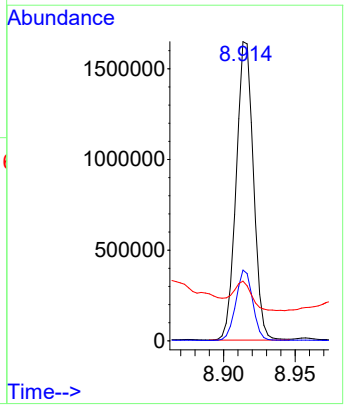


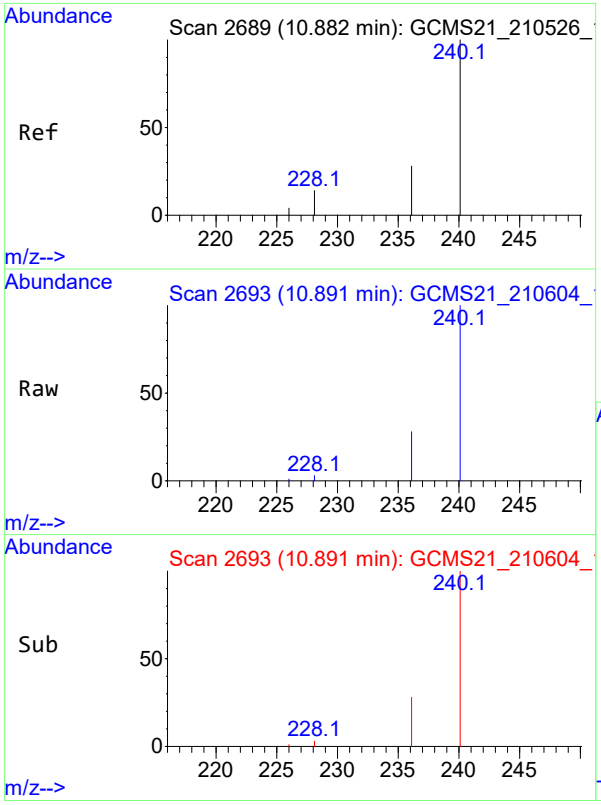


#15
Fluoranthene
Concen: 895.00 ng/mL
RT: 8.914 min Scan# 1915
Delta R.T. 0.015 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:202 Resp: 1376581

Ion	Ratio	Lower	Upper
202	100		
200	23.1	0.0	53.3
101	11.2	0.0	41.8

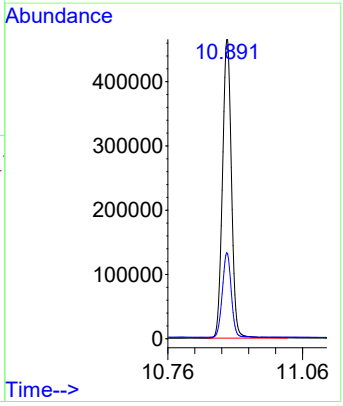


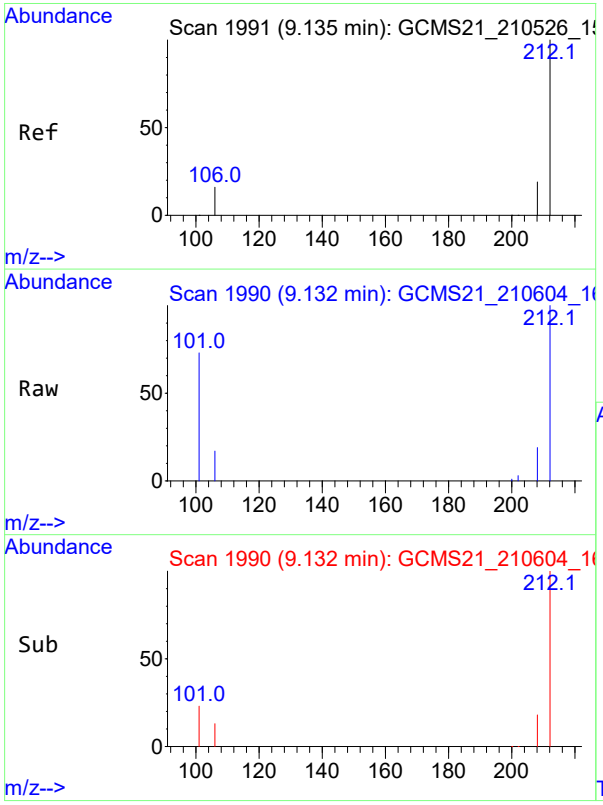


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.891 min Scan# 2693
Delta R.T. 0.029 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:240 Resp: 650119

Ion	Ratio	Lower	Upper
240	100		
236	28.2	0.0	58.5

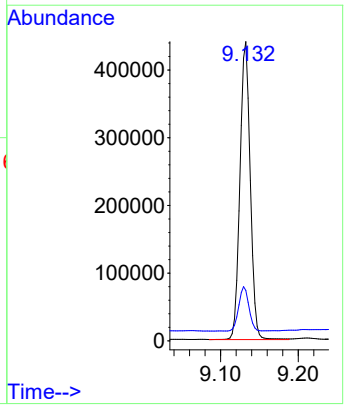


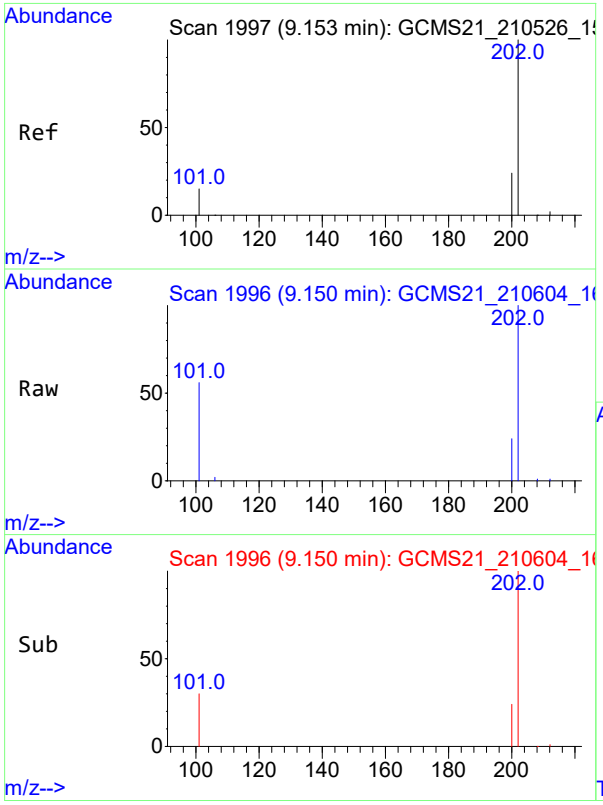


#17
Pyrene-D10
Concen: 272.53 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. 0.012 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:212 Resp: 404247

Ion	Ratio	Lower	Upper
212	100		
106	14.7	0.0	46.3

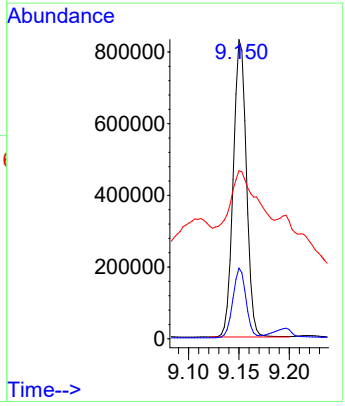


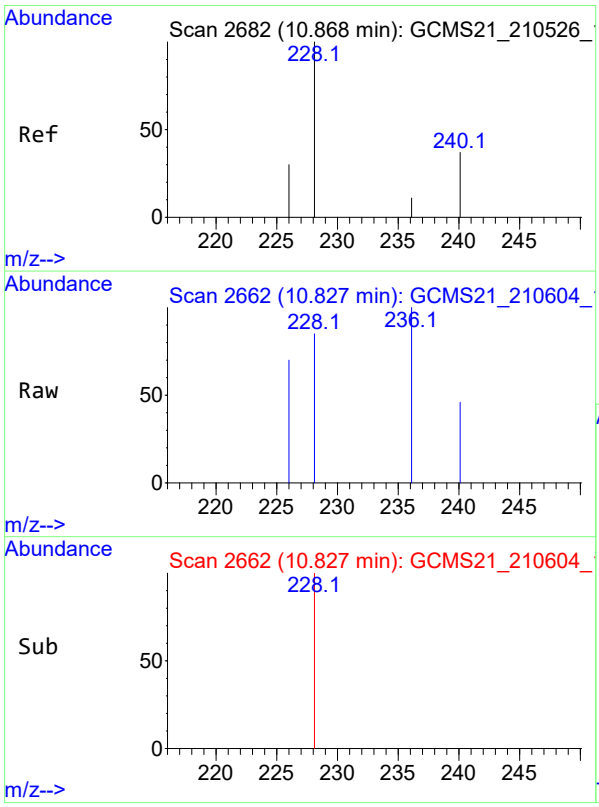


#18
Pyrene
Concen: 433.85 ng/mL
RT: 9.150 min Scan# 1996
Delta R.T. 0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:202 Resp: 751721

Ion	Ratio	Lower	Upper
202	100		
200	23.6	0.0	53.3
101	98.8	0.0	43.2#

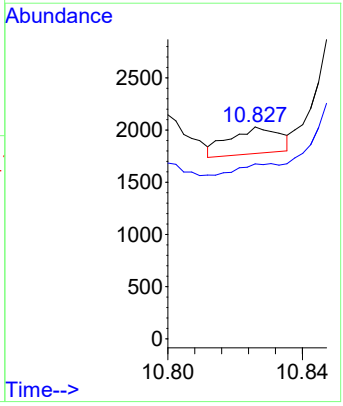


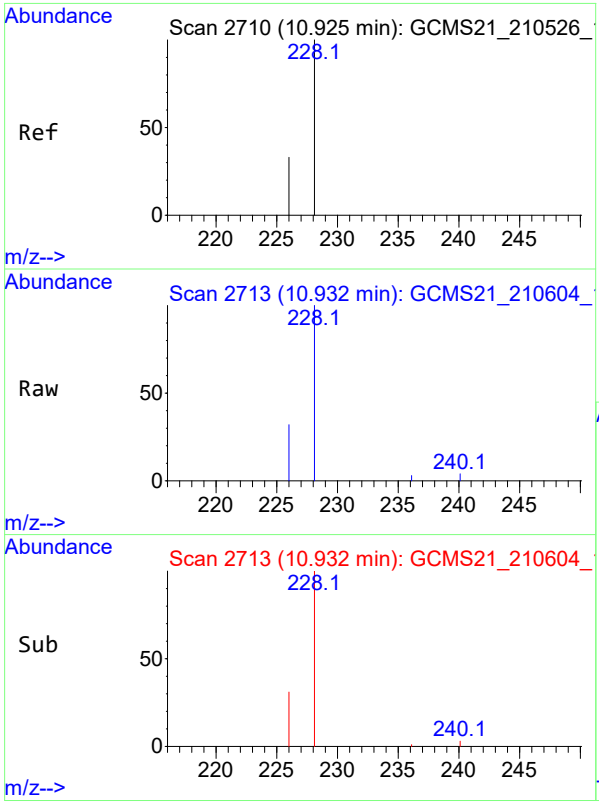


#19
Benzo(a)anthracene
Concen: 0.18 ng/mL
RT: 10.827 min Scan# 2662
Delta R.T. -0.020 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:228 Resp: 230

Ion	Ratio	Lower	Upper
228	100		
226	0.0	0.0	59.2

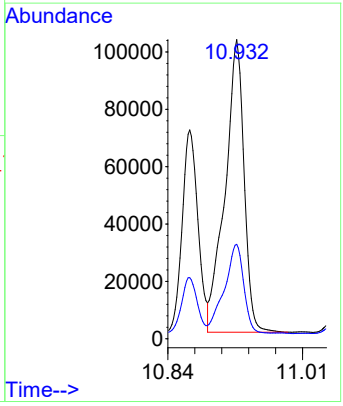


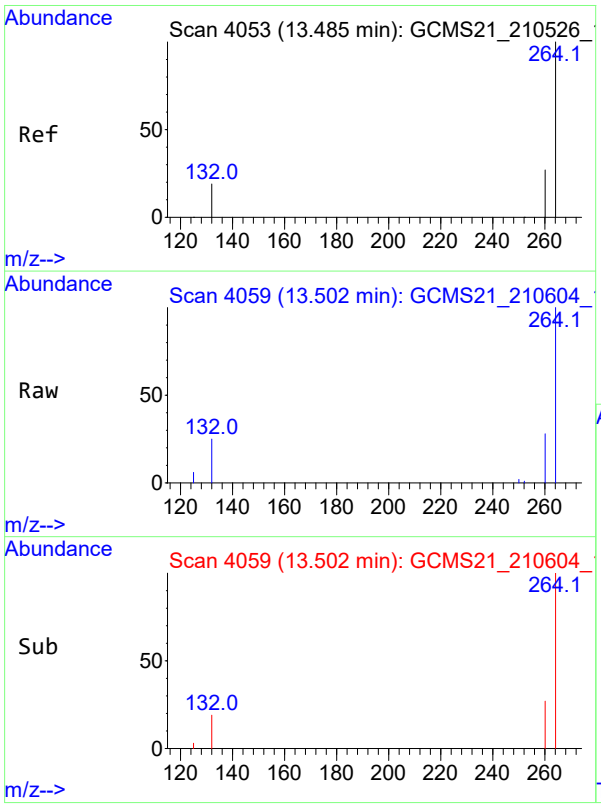


#20
Chrysene
Concen: 105.45 ng/mL
RT: 10.932 min Scan# 2713
Delta R.T. 0.027 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:228 Resp: 170243

Ion	Ratio	Lower	Upper
228	100		
226	31.8	1.9	61.9

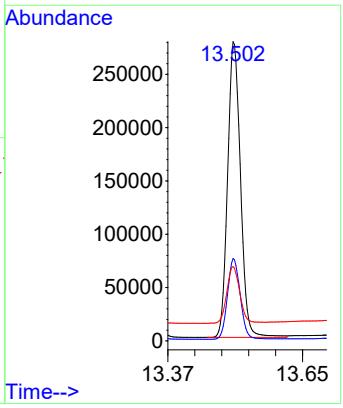


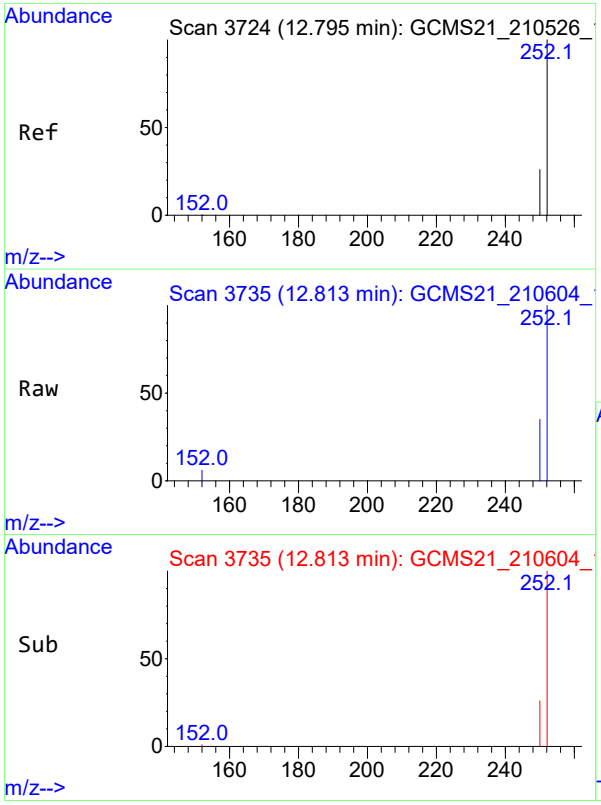


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.502 min Scan# 4059
Delta R.T. 0.041 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:264 Resp: 511772

Ion	Ratio	Lower	Upper
264	100		
260	27.0	0.0	57.7
132	19.5	0.0	49.0

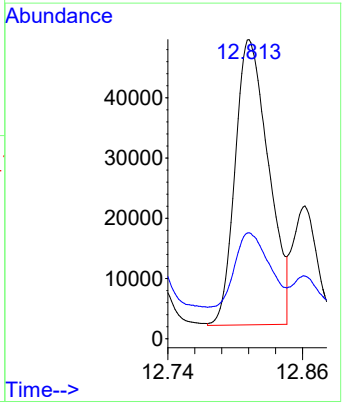


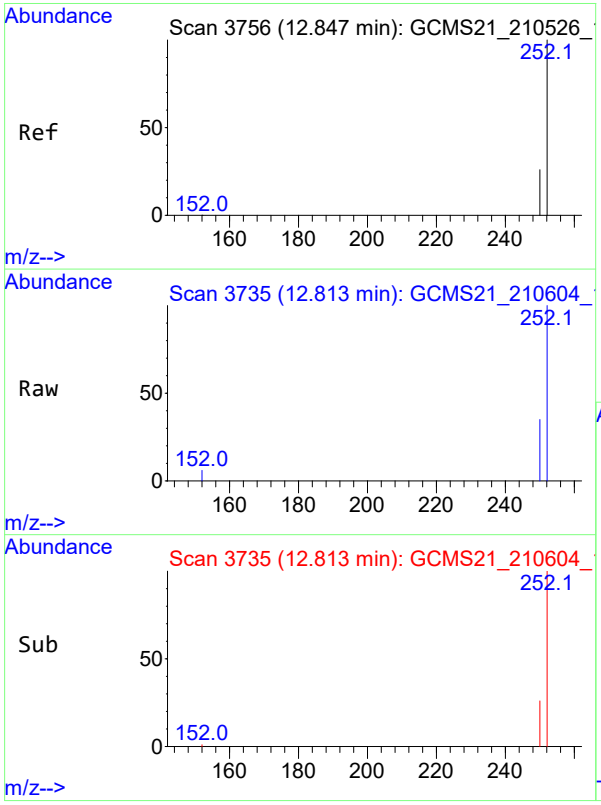


#22
Benzo(b)fluoranthene
Concen: 93.34 ng/mL
RT: 12.813 min Scan# 3735
Delta R.T. 0.041 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:252 Resp: 99156

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	56.1

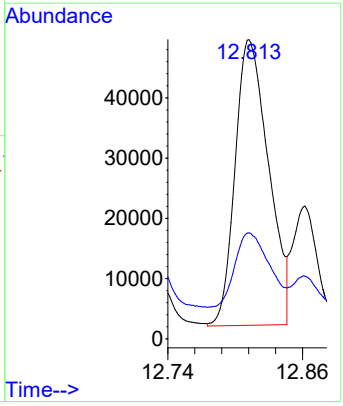


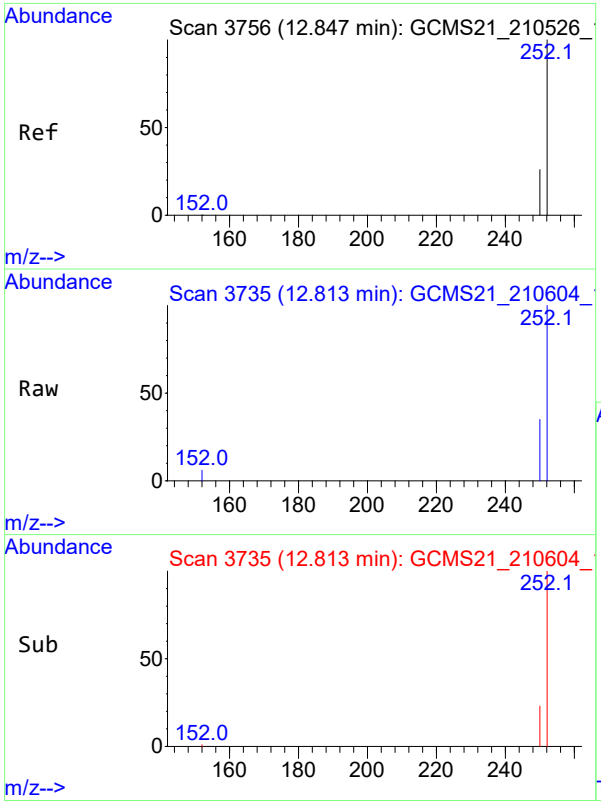


#23
Benzo(k)fluoranthene
Concen: 84.45 ng/mL
RT: 12.813 min Scan# 3735
Delta R.T. -0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:252 Resp: 99427

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	55.4

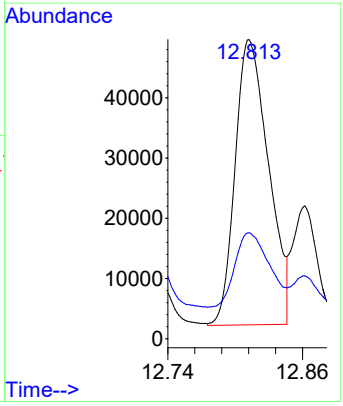


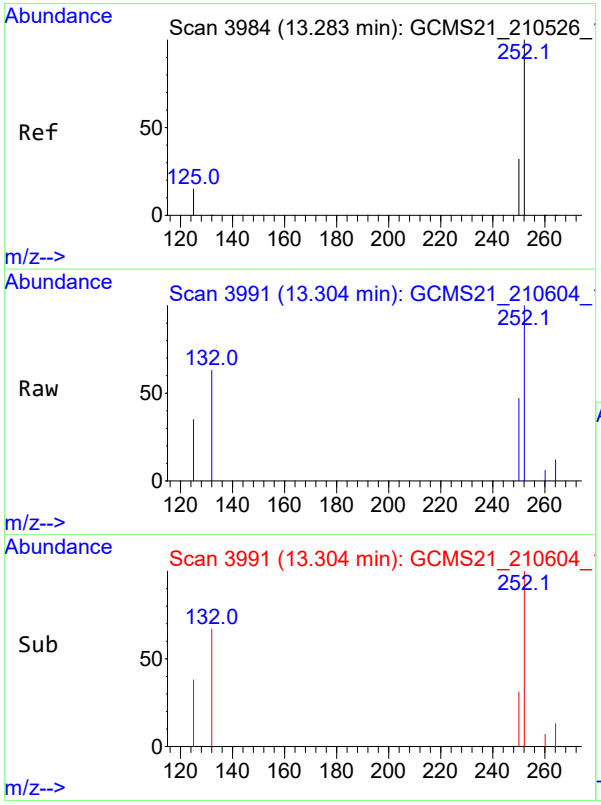


#24
benzo(b+k)fluoranthene (sum)
Concen: 85.90 ng/mL
RT: 12.813 min Scan# 3735
Delta R.T. -0.010 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:252 Resp: 99156

Ion	Ratio	Lower	Upper
252	100		
250	26.8	0.0	55.4

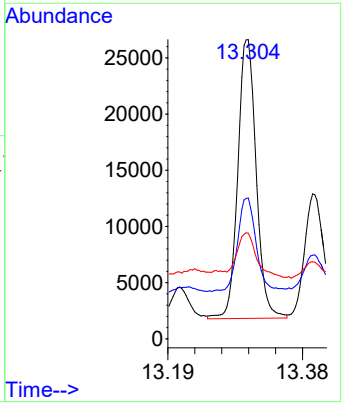


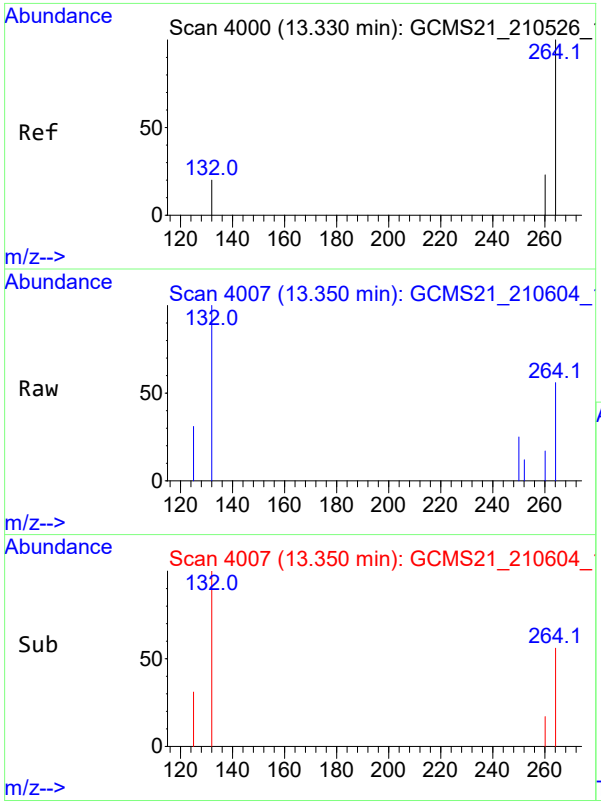


#25
Benzo(e)pyrene
Concen: 40.30 ng/mL
RT: 13.304 min Scan# 3991
Delta R.T. 0.044 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:252 Resp: 43176

Ion	Ratio	Lower	Upper
252	100		
250	33.6	2.1	62.1
125	17.7	0.0	45.8

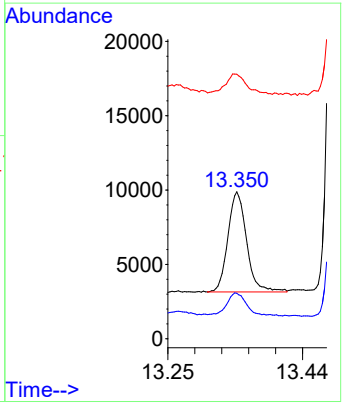


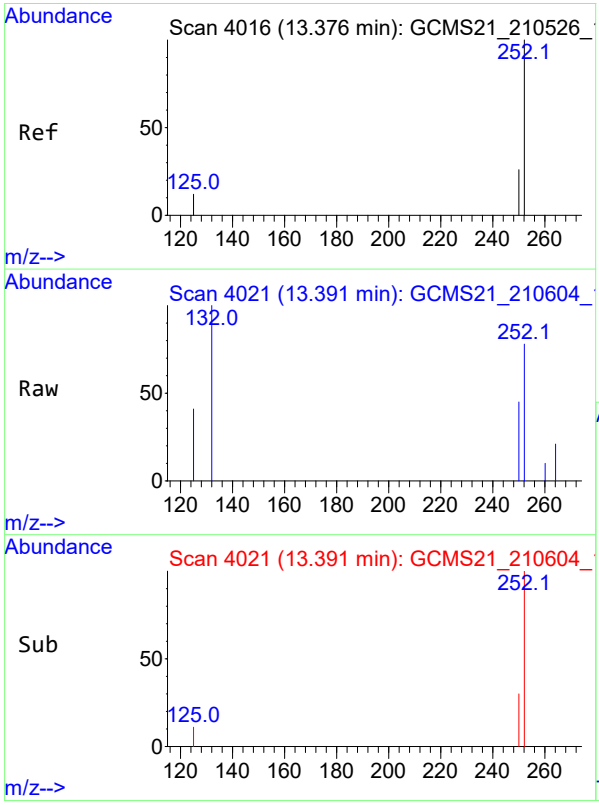


#26
Benzo(a)pyrene-D12
Concen: 14.71 ng/mL
RT: 13.350 min Scan# 4007
Delta R.T. 0.038 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:264 Resp: 12227

Ion	Ratio	Lower	Upper
264	100		
260	39.5	0.0	52.9
132	21.6	0.0	48.4

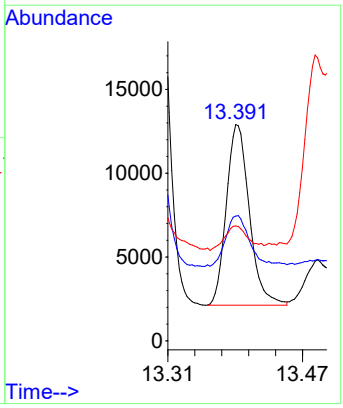


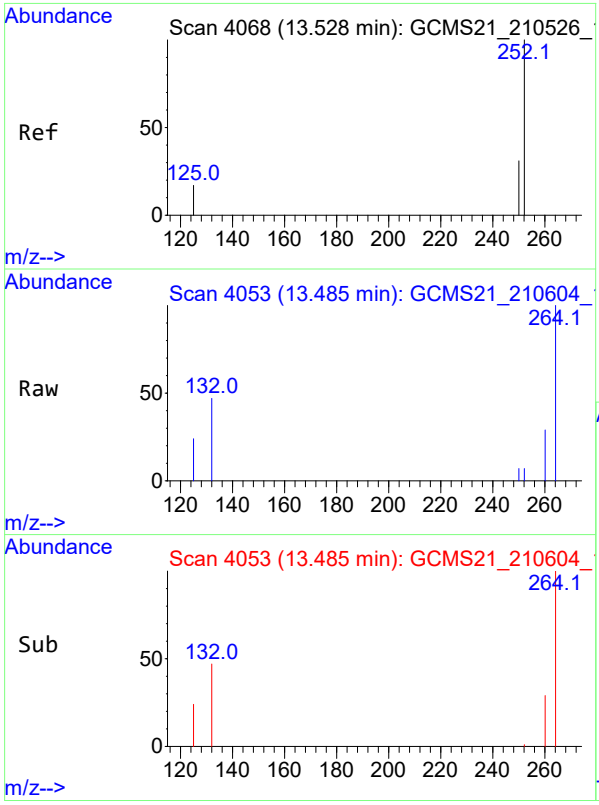


#27
Benzo(a)pyrene
Concen: 20.28 ng/mL
RT: 13.391 min Scan# 4021
Delta R.T. 0.041 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:252 Resp: 19658

Ion	Ratio	Lower	Upper
252	100		
250	28.8	0.0	56.7
125	14.0	0.0	42.1

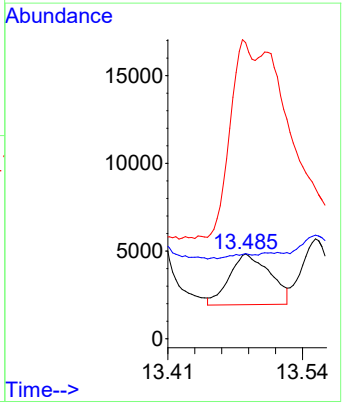


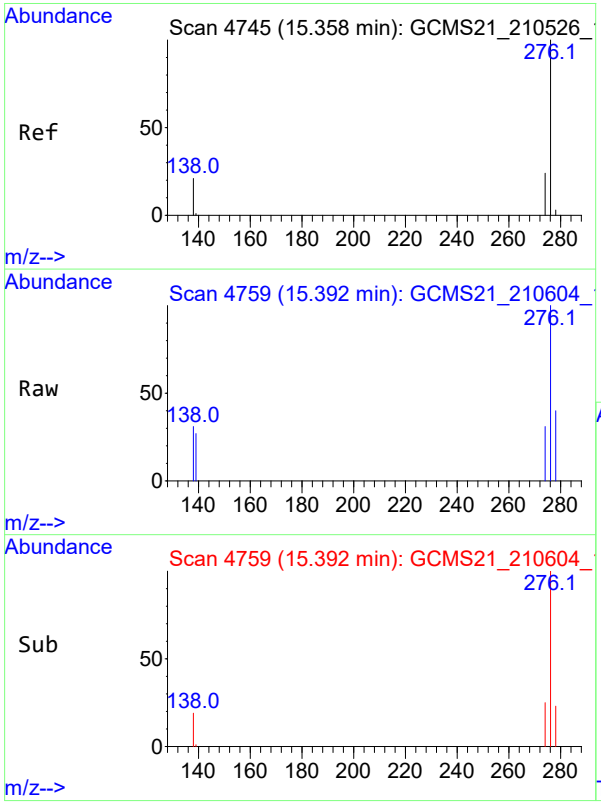


#28
Perylene
Concen: 6.93 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.020 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:252 Resp: 7543

Ion	Ratio	Lower	Upper
252	100		
250	4.6	1.2	61.2
125	228.7	0.0	46.5#

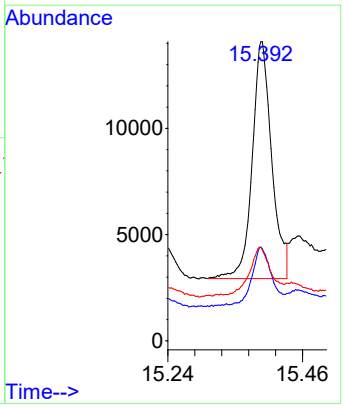


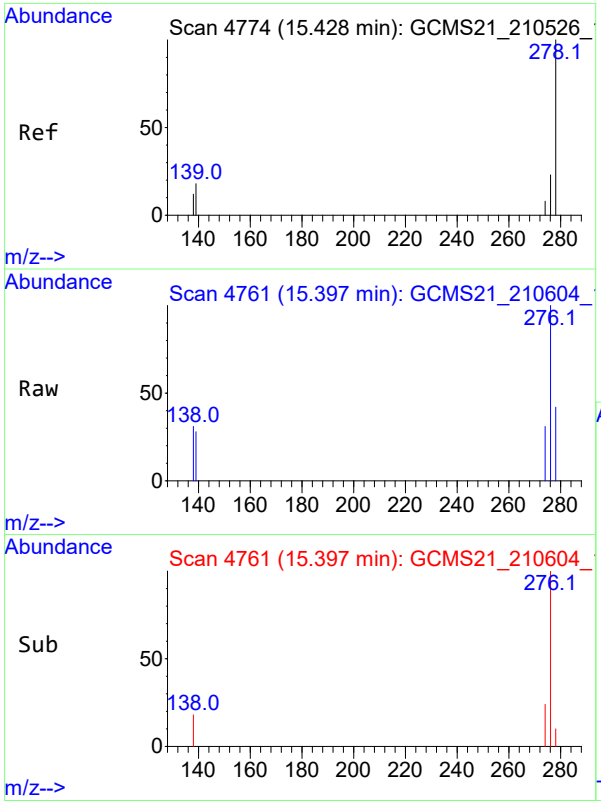


#29
Indeno(1,2,3-cd)pyrene
Concen: 30.53 ng/mL
RT: 15.392 min Scan# 4759
Delta R.T. 0.060 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:276 Resp: 25328

Ion	Ratio	Lower	Upper
276	100		
274	23.9	0.0	53.5
138	21.6	0.0	50.6

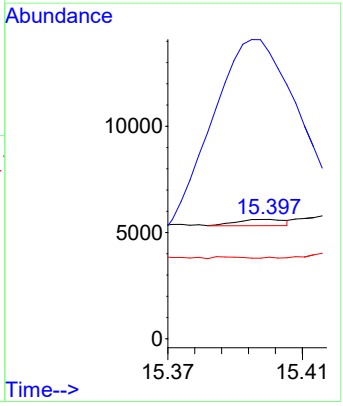


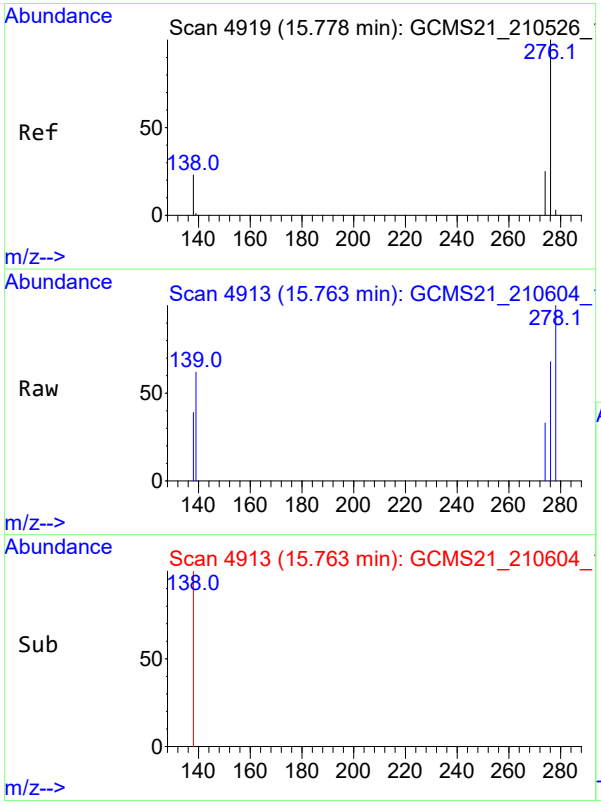


#30
Dibenz(a,h)anthracene
Concen: 0.33 ng/mL
RT: 15.397 min Scan# 4761
Delta R.T. -0.008 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:278 Resp: 274

Ion	Ratio	Lower	Upper
278	100		
276	9243.8	0.0	58.7#
139	0.0	0.0	47.2

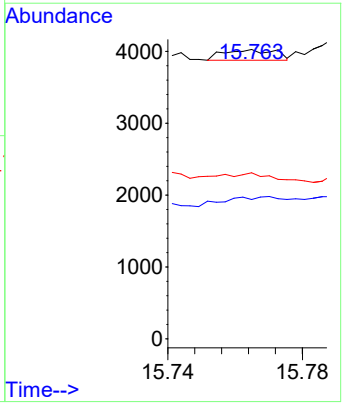




#31
Benzo(g,h,i)perylene
Concen: 0.13 ng/mL
RT: 15.763 min Scan# 4913
Delta R.T. 0.007 min
Lab File: GCMS21_210604_16.D
Acq: 04 Jun 2021 14:53

Tgt Ion:276 Resp: 144

Ion	Ratio	Lower	Upper
276	100		
274	0.0	0.0	54.2
138	100.0	0.0	52.4#



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_10.D
Acq On : 04 Jun 2021 12:24
Operator : MN GCMS21
Sample : 2105001-19RE1
Misc : 100µL+100µL 21D3002 (2X)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 12:02:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.288	136	461017	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.086	164	282194	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.633	188	591353	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.878	240	639580	500.00	ng/mL	0.02
21) PERYLENE-D12	13.485	264	576851	500.00	ng/mL	0.02
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.969	152	445	0.77	ng/mL	-0.01
9) Fluorene-D10	6.627	176	118276	175.07	ng/mL	0.00
14) Fluoranthene-D10	8.890	212	169711	132.54	ng/mL	0.00
17) Pyrene-D10	9.127	212	227548	155.93	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.333	264	6705	7.15	ng/mL	0.02
Target Compounds						Qvalue
2) Naphthalene	4.308	128	26632	30.11	ng/mL	94
4) 2-Methylnaphthalene	5.016	142	12476	19.15	ng/mL	95
5) 1-Methylnaphthalene	5.112	142	6153	11.34	ng/mL#	70
7) Acenaphthylene	5.932	152	2044	2.18	ng/mL#	21
8) Acenaphthene	6.116	153	26441	36.88	ng/mL	94
10) Fluorene	6.658	166	126777	159.76	ng/mL	99
12) Phenanthrene	7.657	178	986500	691.21	ng/mL	99
13) Anthracene	7.709	178	48624	40.97	ng/mL	90
15) Fluoranthene	8.911	202	705163	468.15	ng/mL	98
18) Pyrene	9.147	202	413782	242.75	ng/mL#	8
19) Benzo(a)anthracene	10.862	228	51430	39.98	ng/mL	100
20) Chrysene	10.919	228	87249	54.93	ng/mL	100
22) Benzo(b)fluoranthene	12.795	252	50609	42.27	ng/mL	95
23) Benzo(k)fluoranthene	12.844	252	15229	11.48	ng/mL	89
24) benzo(b+k)fluoranthene...	12.795	252	67302m	51.73	ng/mL	
25) Benzo(e)pyrene	13.283	252	22255	18.43	ng/mL#	71
27) Benzo(a)pyrene	13.377	252	10459	9.57	ng/mL	98
28) Perylene	13.485	252	4733	3.86	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.370	276	13911	14.88	ng/mL	94
30) Dibenz(a,h)anthracene	15.435	278	5296	5.68	ng/mL	66
31) Benzo(g,h,i)perylene	15.797	276	12188	10.03	ng/mL	98

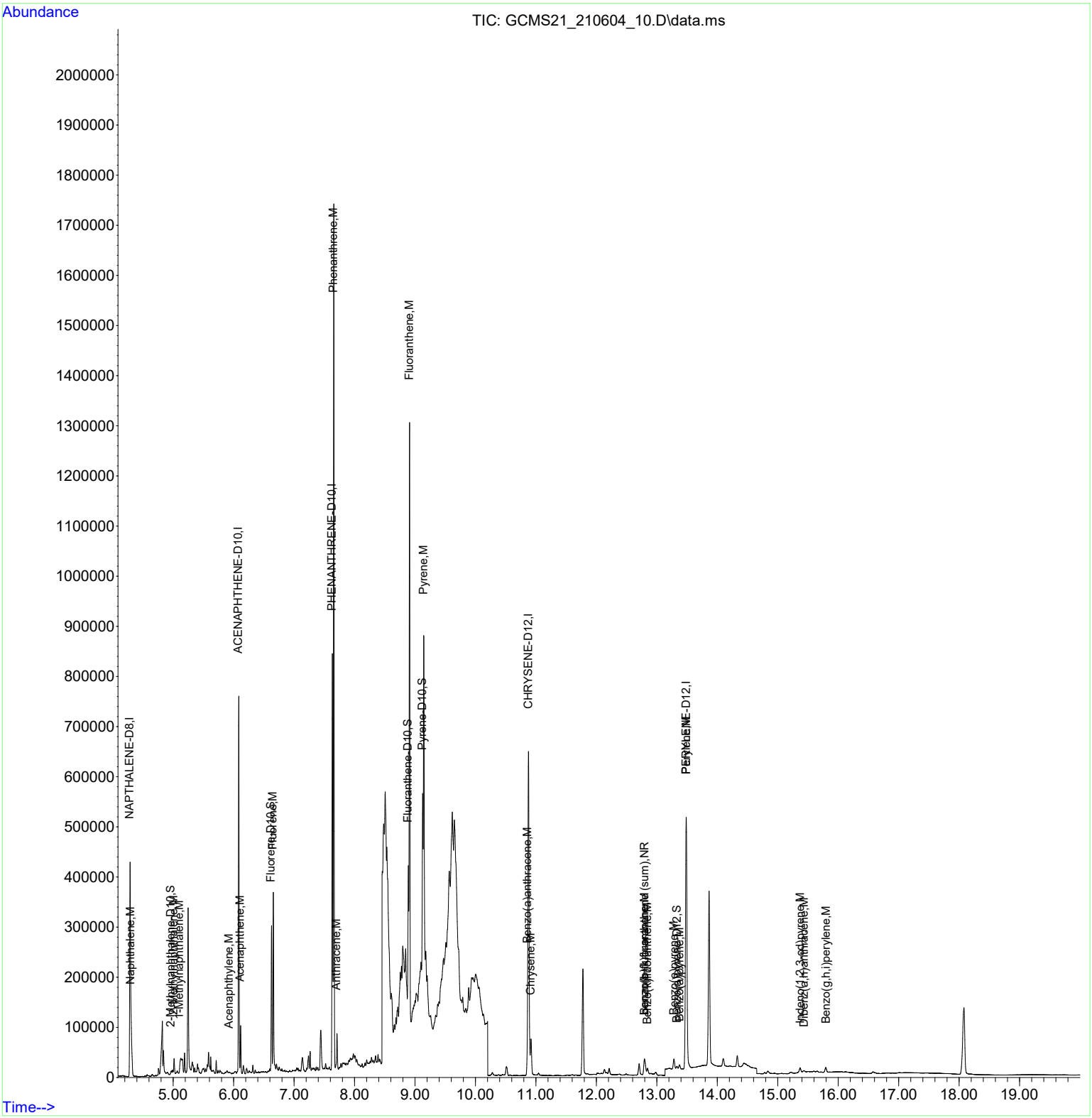
Only Phenanthrene was reported from this run.
MN 07.02.2021

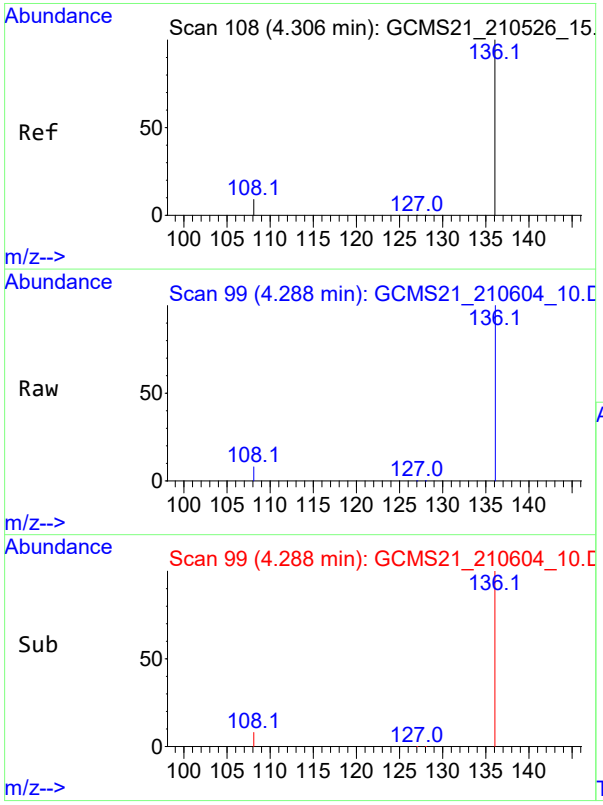
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_10.D
Acq On : 04 Jun 2021 12:24
Operator : MN GCMS21
Sample : 2105001-19RE1
Misc : 100µL+100µL 21D3002 (2X)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 30 12:02:15 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

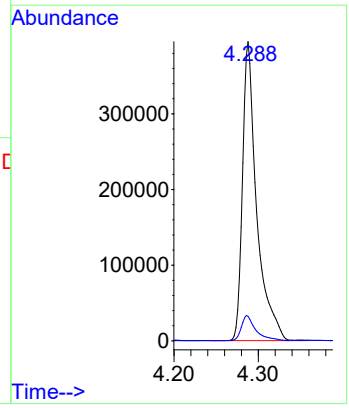


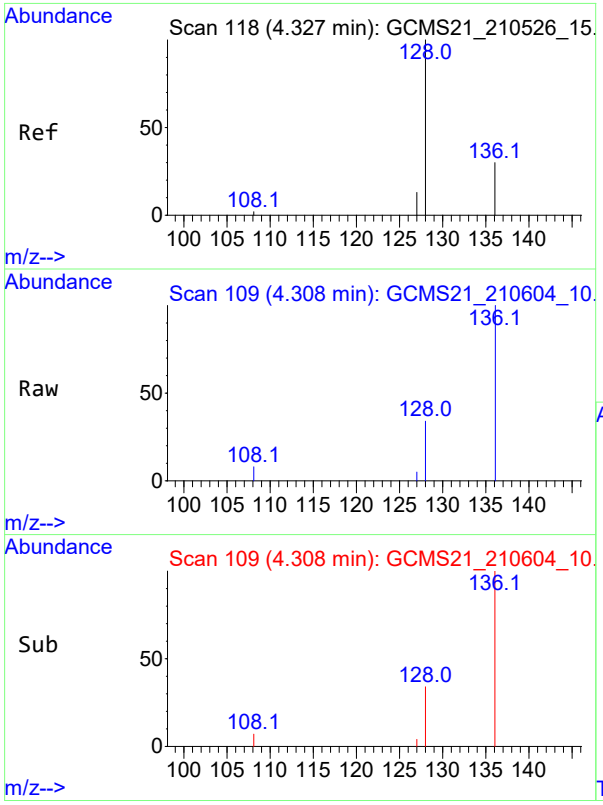


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.288 min Scan# 99
Delta R.T. 0.000 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:136 Resp: 461017

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.6

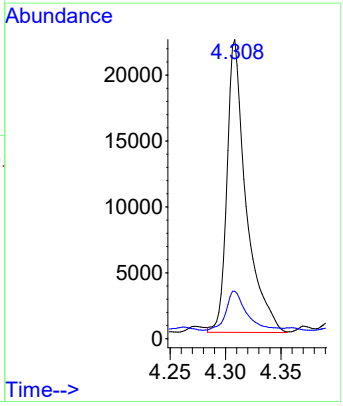


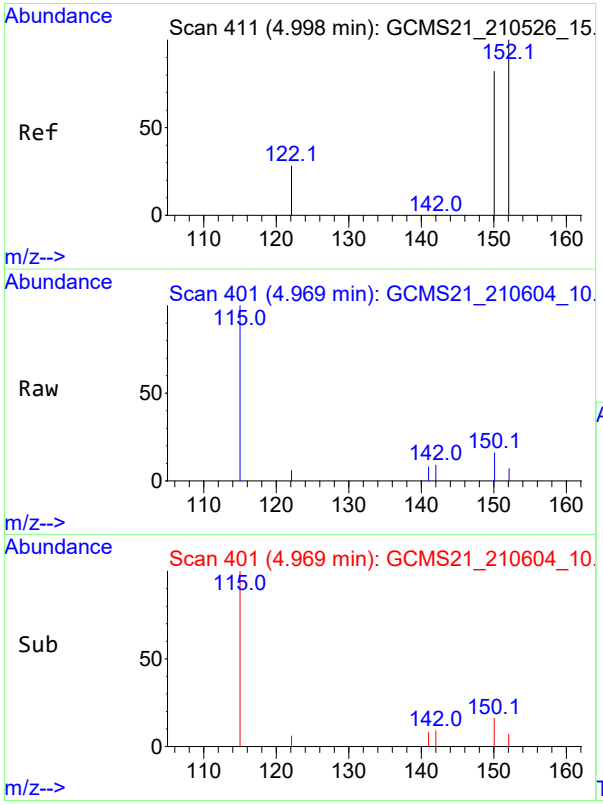


#2
Naphthalene
Concen: 30.11 ng/mL
RT: 4.308 min Scan# 109
Delta R.T. 0.000 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:128 Resp: 26632

Ion	Ratio	Lower	Upper
128	100		
127	15.8	0.0	43.4

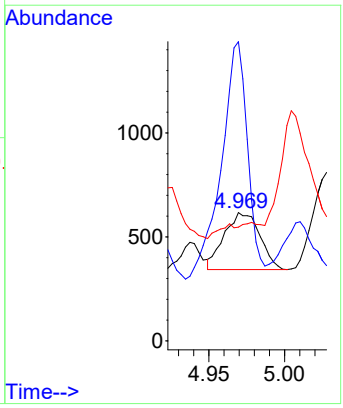


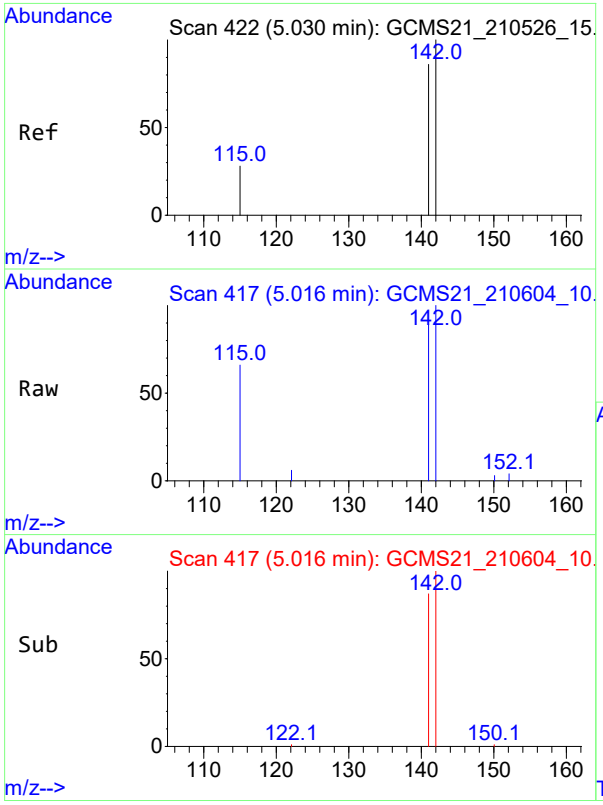


#3
2-Methylnaphthalene-D10
Concen: 0.77 ng/mL
RT: 4.969 min Scan# 401
Delta R.T. -0.012 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:152 Resp: 445

Ion	Ratio	Lower	Upper
152	100		
150	311.9	52.3	112.3#
122	0.0	0.0	57.8

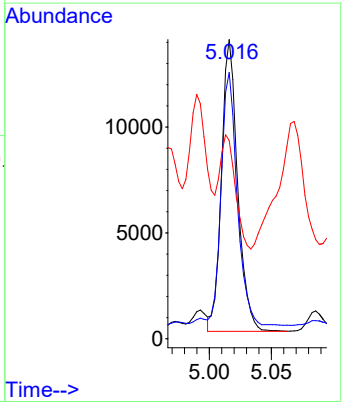


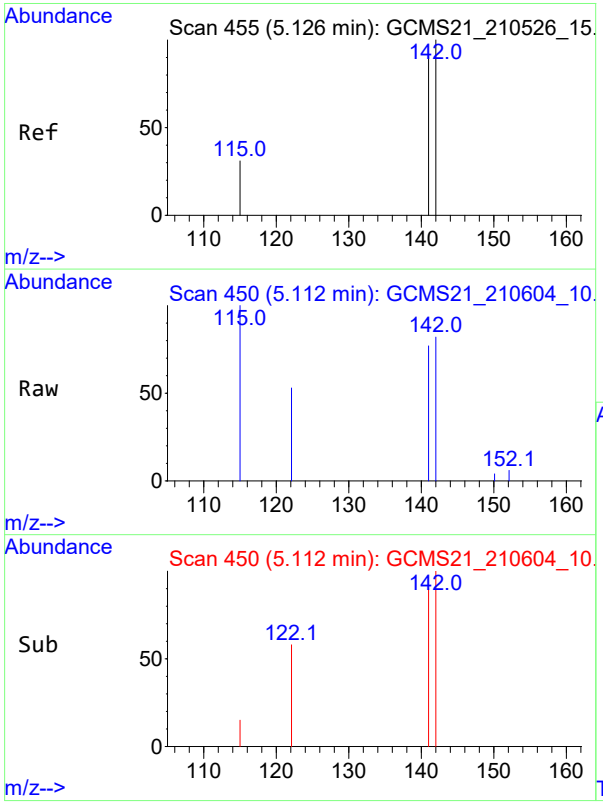


#4
2-Methylnaphthalene
Concen: 19.15 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. 0.003 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:142 Resp: 12476

Ion	Ratio	Lower	Upper
142	100		
141	87.8	56.9	116.9
115	37.6	0.0	57.7

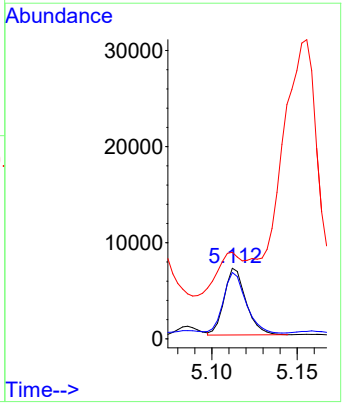


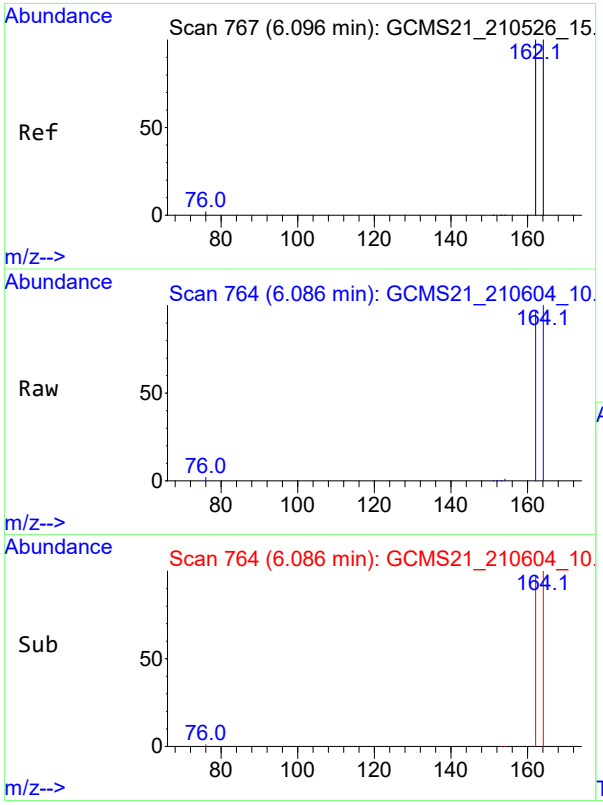


#5
1-Methylnaphthalene
Concen: 11.34 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. 0.000 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:142 Resp: 6153

Ion	Ratio	Lower	Upper
142	100		
141	93.3	57.9	117.9
115	83.0	0.0	57.0#

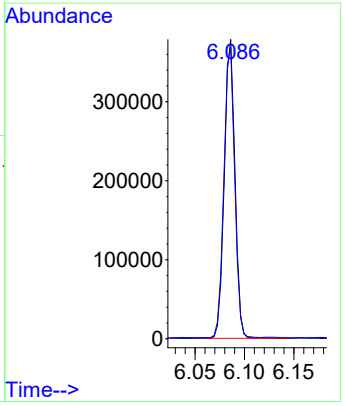


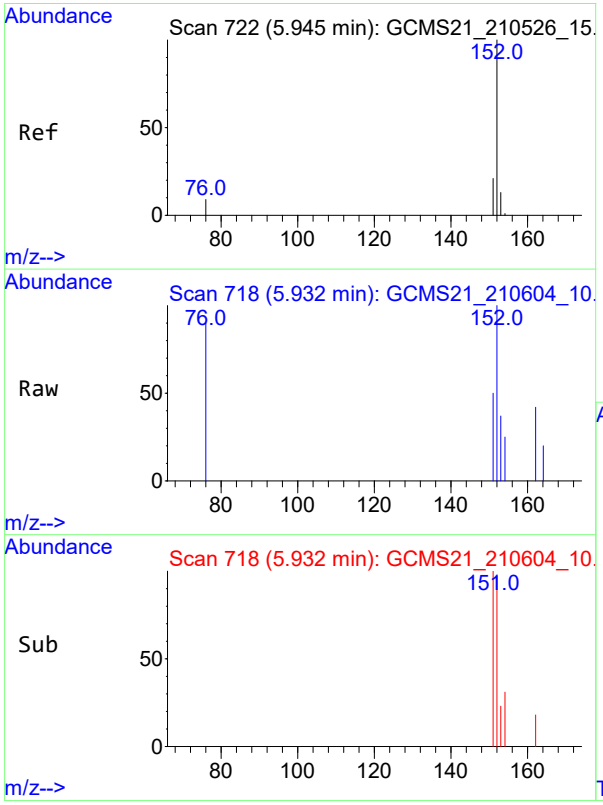


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.086 min Scan# 764
Delta R.T. 0.007 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:164 Resp: 282194

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.0	121.0

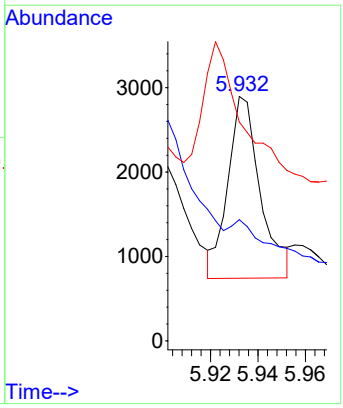


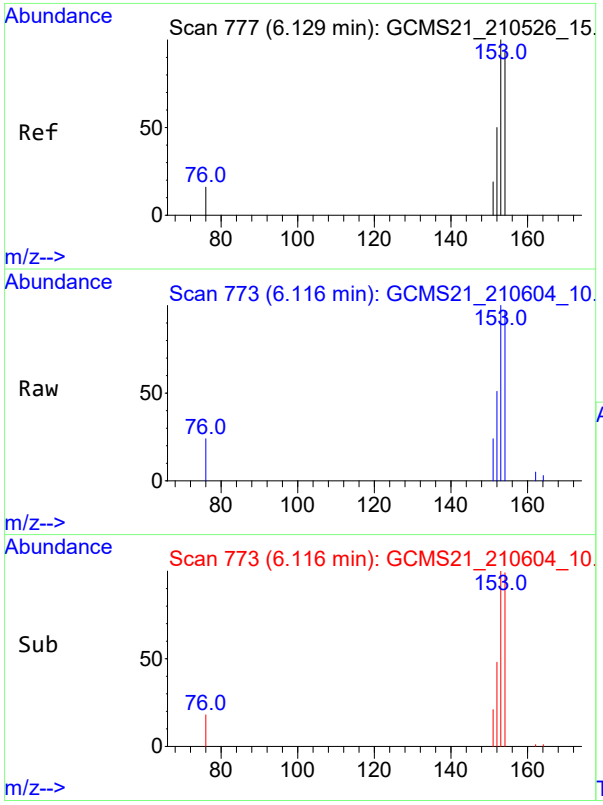


#7
Acenaphthylene
Concen: 2.18 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:152 Resp: 2044

Ion	Ratio	Lower	Upper
152	100		
151	27.1	0.0	51.0
76	94.9	0.0	38.6#

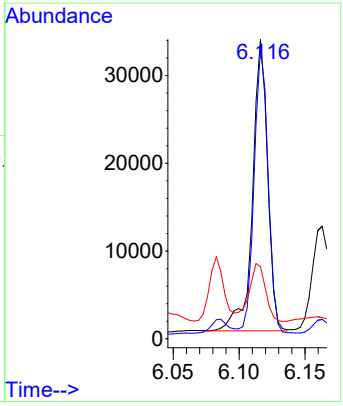


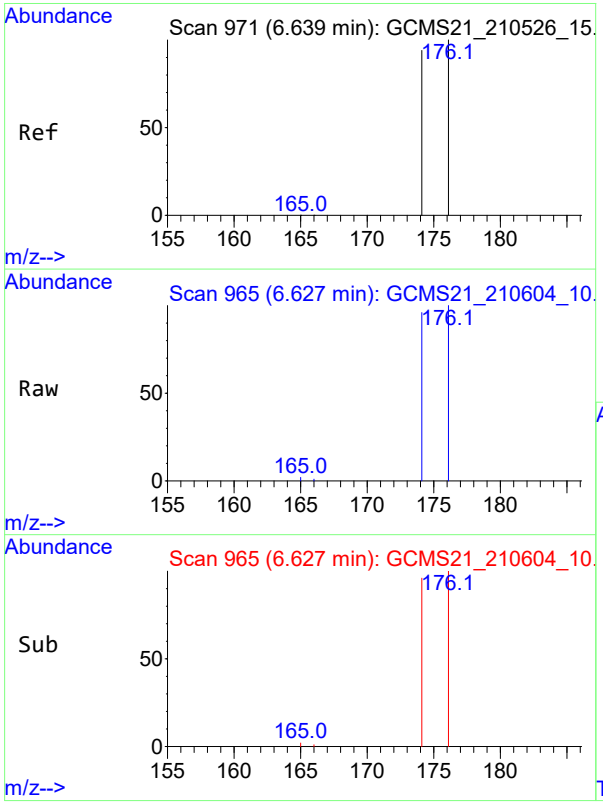


#8
Acenaphthene
Concen: 36.88 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:153 Resp: 26441

Ion	Ratio	Lower	Upper
153	100		
154	90.4	63.7	123.7
76	23.8	0.0	45.2

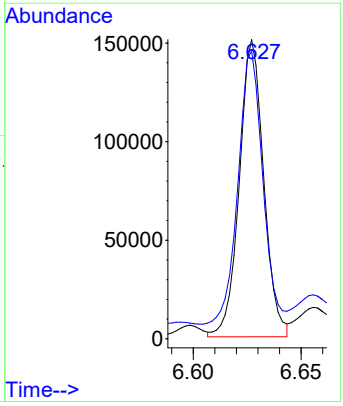


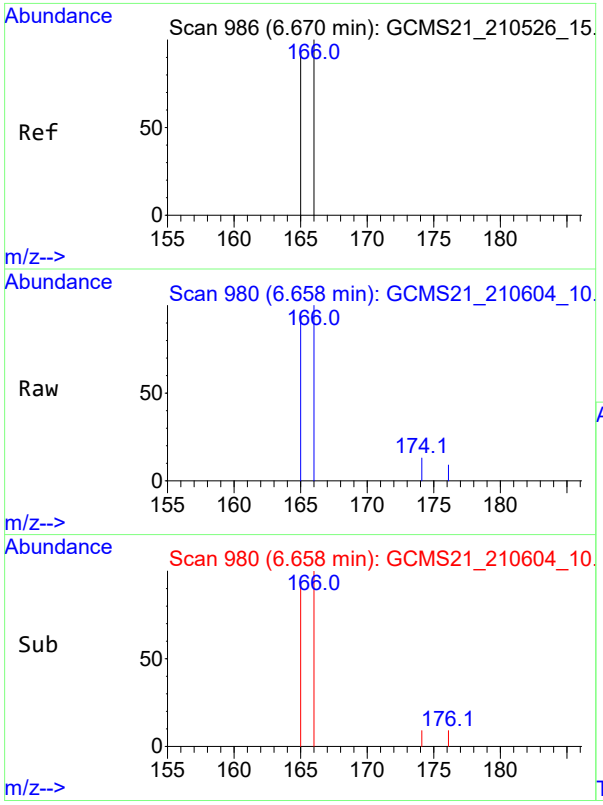


#9
Fluorene-D10
Concen: 175.07 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. 0.004 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:176 Resp: 118276

Ion	Ratio	Lower	Upper
176	100		
174	94.8	63.9	123.9

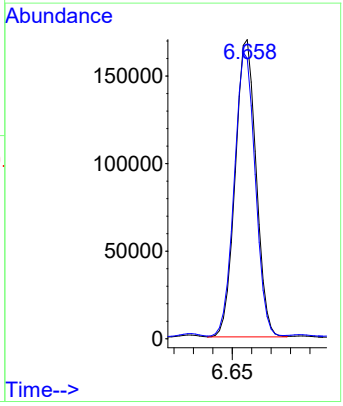


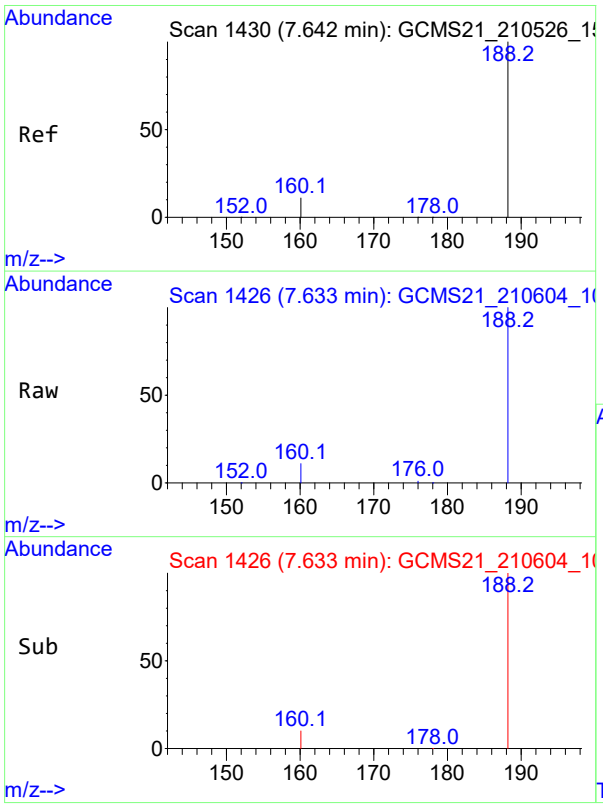


#10
Fluorene
Concen: 159.76 ng/mL
RT: 6.658 min Scan# 980
Delta R.T. 0.006 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:166 Resp: 126777

Ion	Ratio	Lower	Upper
166	100		
165	95.9	65.1	125.1

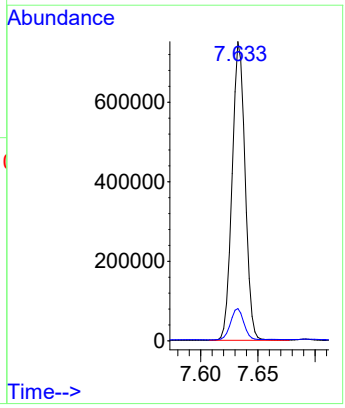


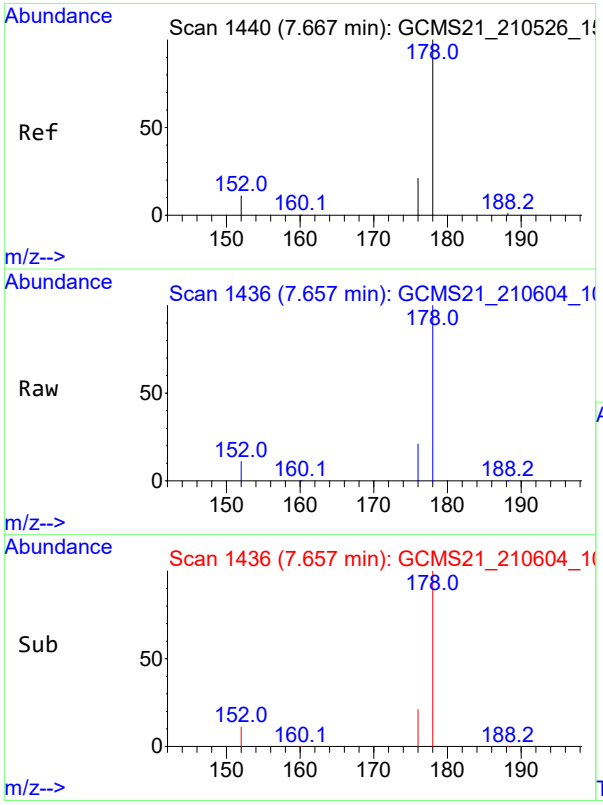


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.633 min Scan# 1426
Delta R.T. 0.005 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:188 Resp: 591353

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

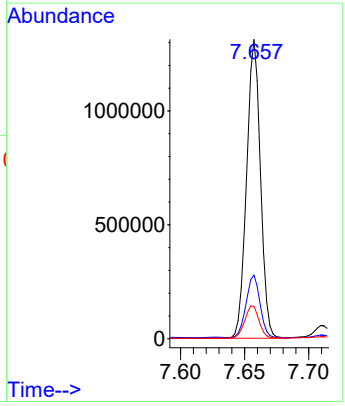


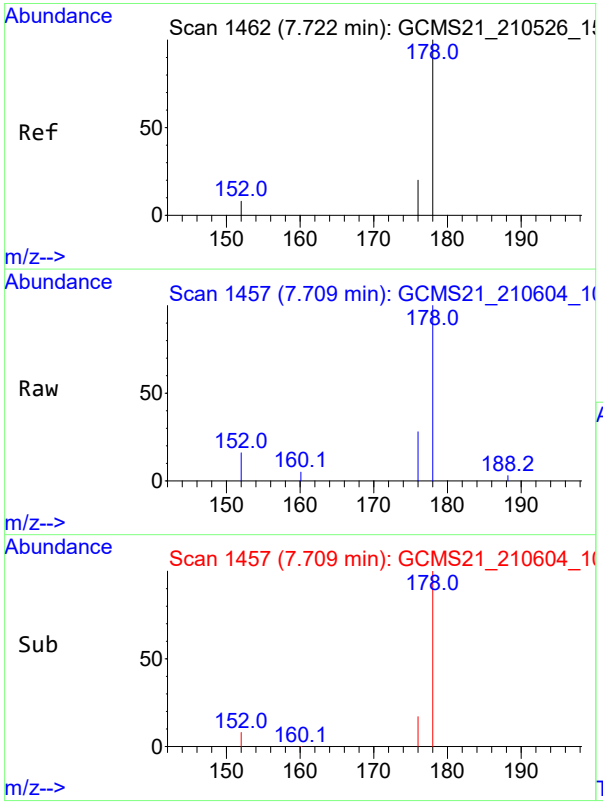


#12
Phenanthrene
Concen: 691.21 ng/mL
RT: 7.657 min Scan# 1436
Delta R.T. 0.007 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:178 Resp: 986500

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	11.1	0.0	40.5

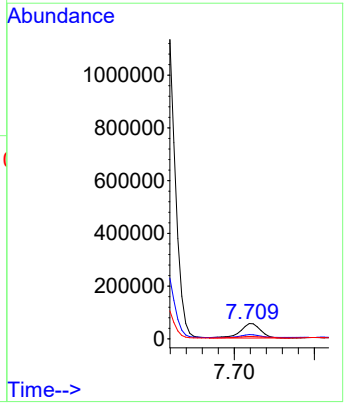


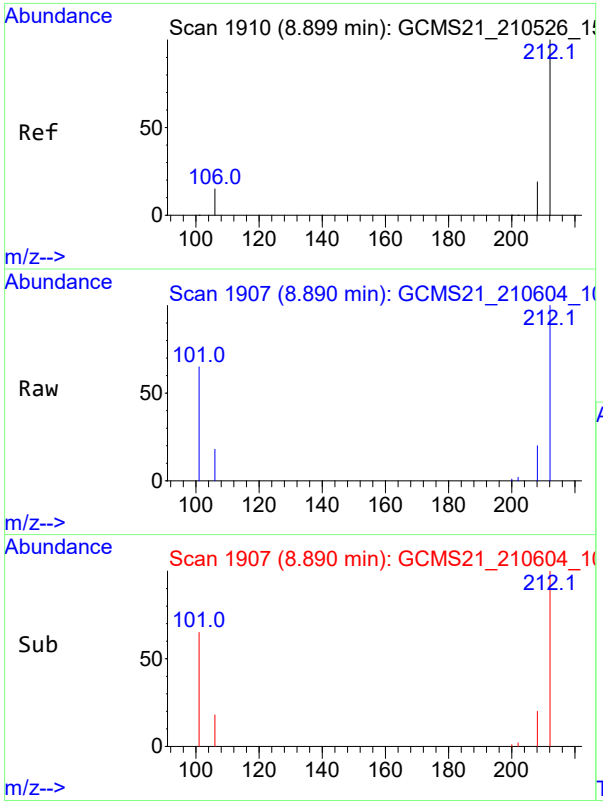


#13
Anthracene
Concen: 40.97 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:178 Resp: 48624

Ion	Ratio	Lower	Upper
178	100		
176	17.4	0.0	50.0
152	14.9	0.0	38.2

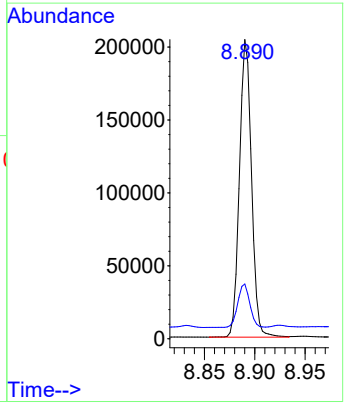


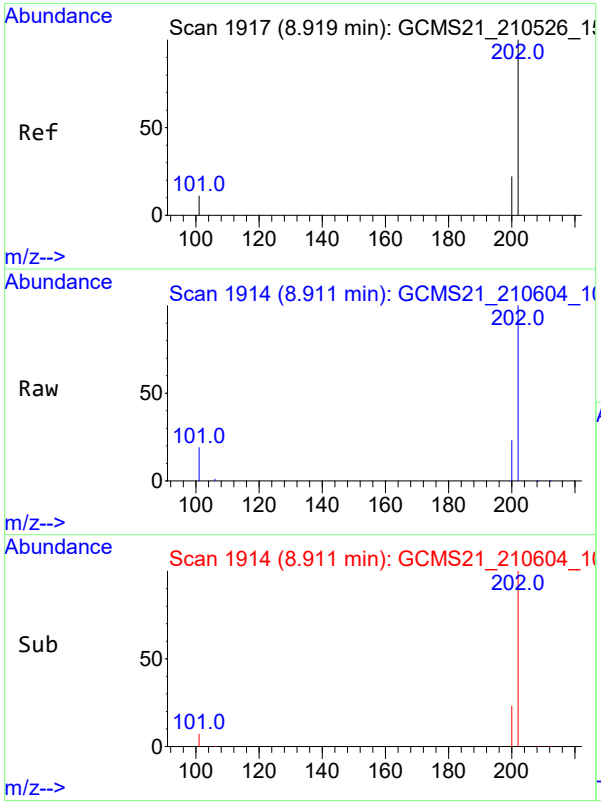


#14
Fluoranthene-D10
Concen: 132.54 ng/mL
RT: 8.890 min Scan# 1907
Delta R.T. 0.009 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:212 Resp: 169711

Ion	Ratio	Lower	Upper
212	100		
106	14.9	0.0	43.1

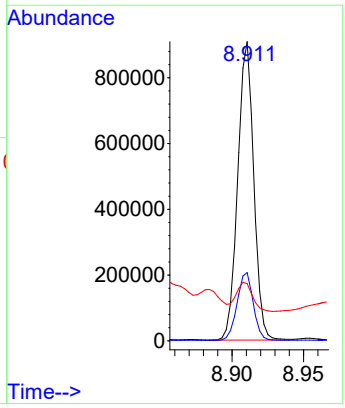


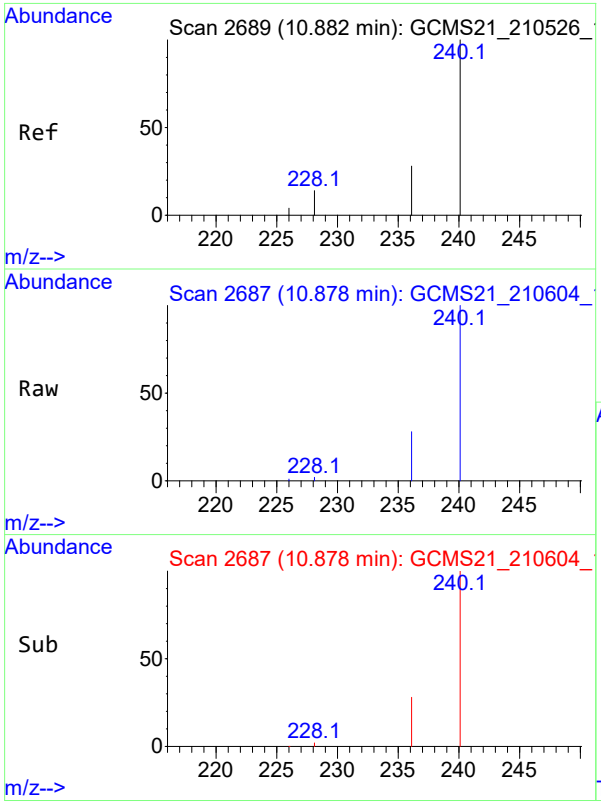


#15
Fluoranthene
Concen: 468.15 ng/mL
RT: 8.911 min Scan# 1914
Delta R.T. 0.012 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:202 Resp: 705163

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	53.3
101	10.1	0.0	41.8

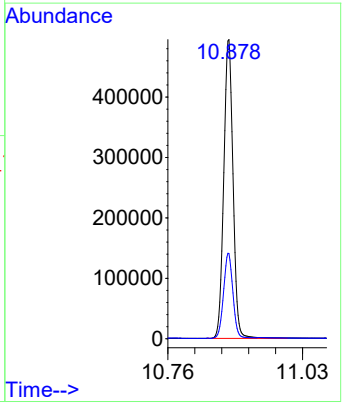


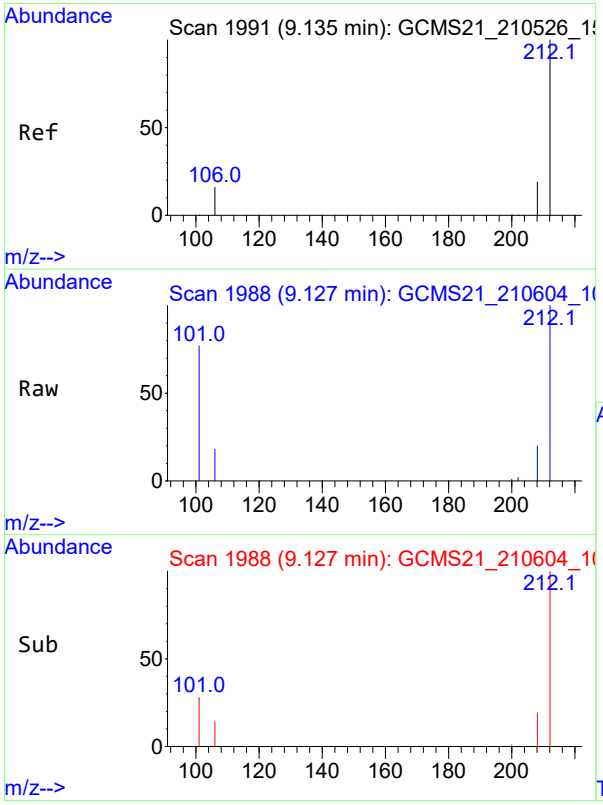


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.878 min Scan# 2687
Delta R.T. 0.016 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:240 Resp: 639580

Ion	Ratio	Lower	Upper
240	100		
236	28.4	0.0	58.5

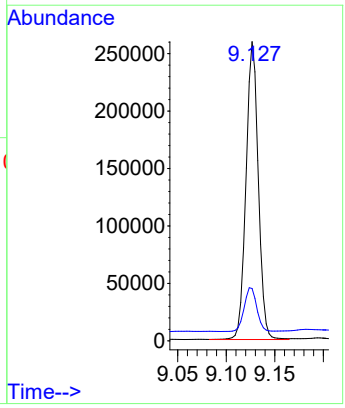


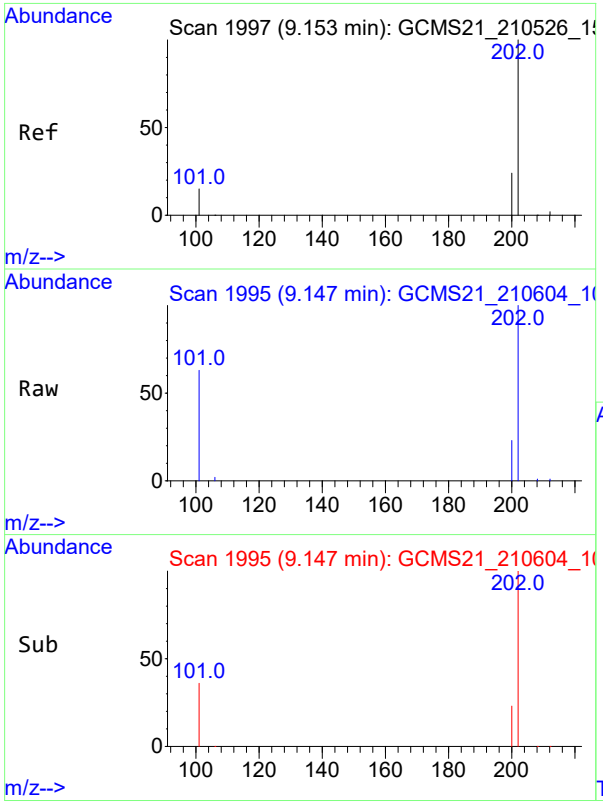


#17
Pyrene-D10
Concen: 155.93 ng/mL
RT: 9.127 min Scan# 1988
Delta R.T. 0.007 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:212 Resp: 227548

Ion	Ratio	Lower	Upper
212	100		
106	15.1	0.0	46.3

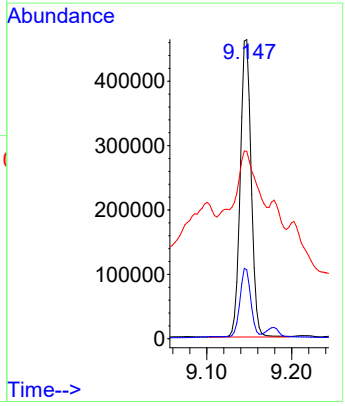


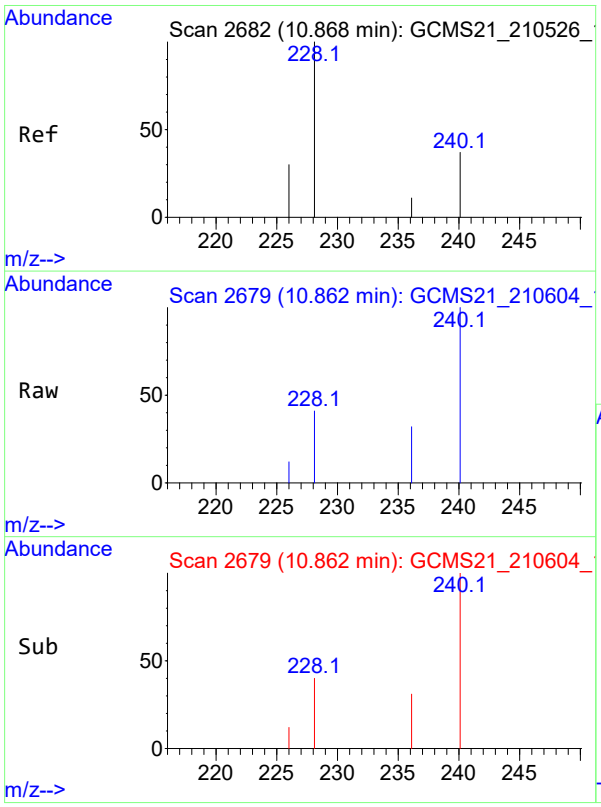


#18
Pyrene
Concen: 242.75 ng/mL
RT: 9.147 min Scan# 1995
Delta R.T. 0.007 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:202 Resp: 413782

Ion	Ratio	Lower	Upper
202	100		
200	23.3	0.0	53.3
101	115.0	0.0	43.2#

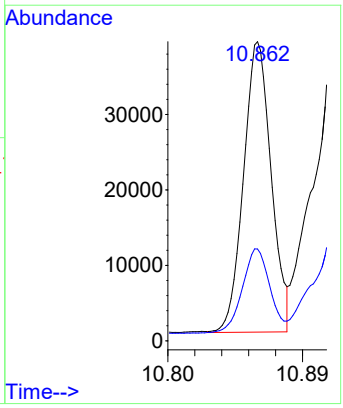


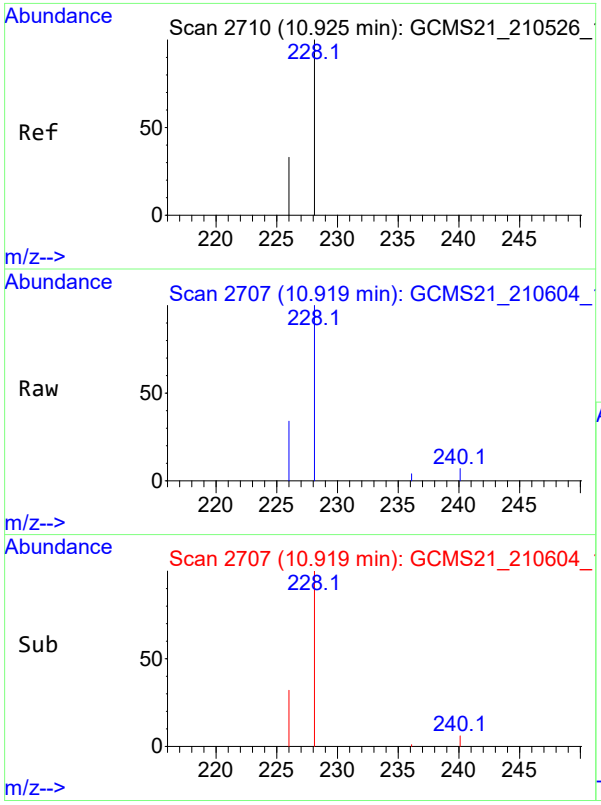


#19
Benzo(a)anthracene
Concen: 39.98 ng/mL
RT: 10.862 min Scan# 2679
Delta R.T. 0.014 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:228 Resp: 51430

Ion	Ratio	Lower	Upper
228	100		
226	29.4	0.0	59.2

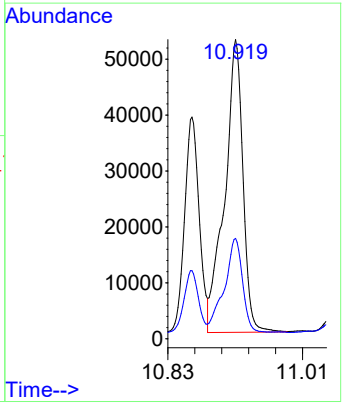


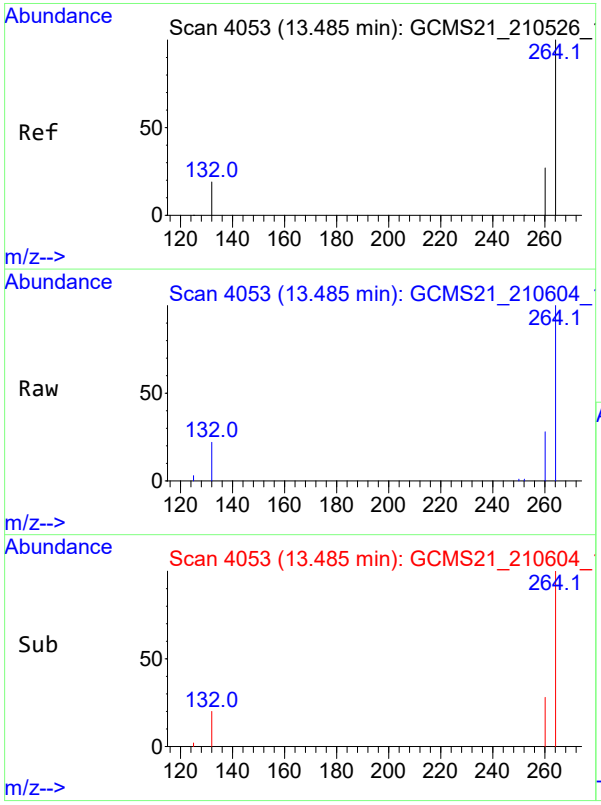


#20
Chrysene
Concen: 54.93 ng/mL
RT: 10.919 min Scan# 2707
Delta R.T. 0.014 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:228 Resp: 87249

Ion	Ratio	Lower	Upper
228	100		
226	32.1	1.9	61.9

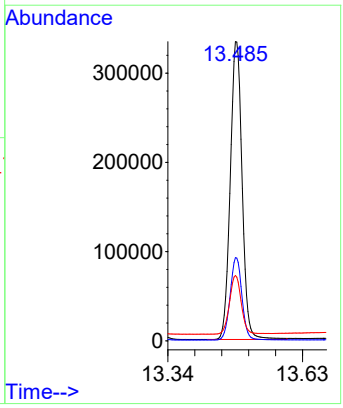


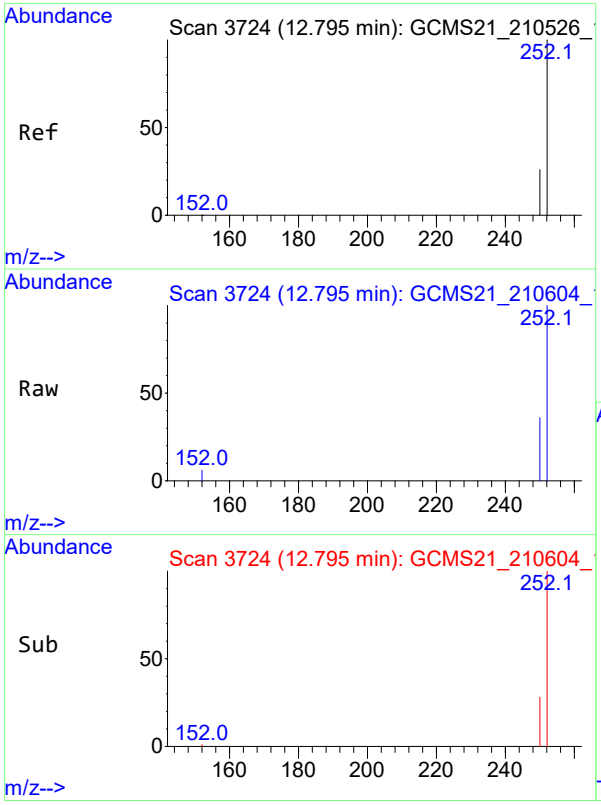


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. 0.023 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:264 Resp: 576851

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.7
132	19.6	0.0	49.0

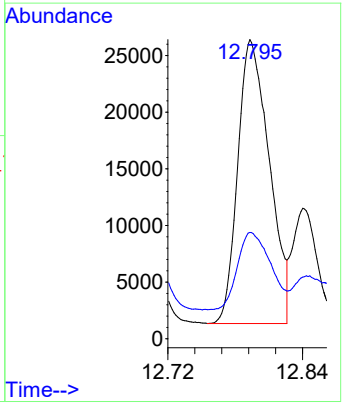


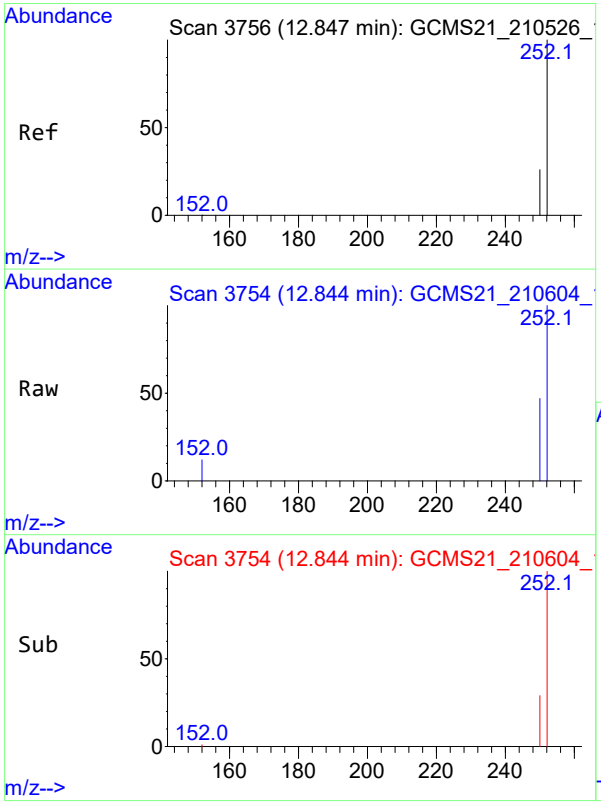


#22
Benzo(b)fluoranthene
Concen: 42.27 ng/mL
RT: 12.795 min Scan# 3724
Delta R.T. 0.023 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:252 Resp: 50609

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	56.1

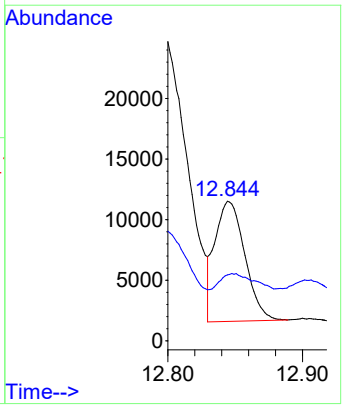


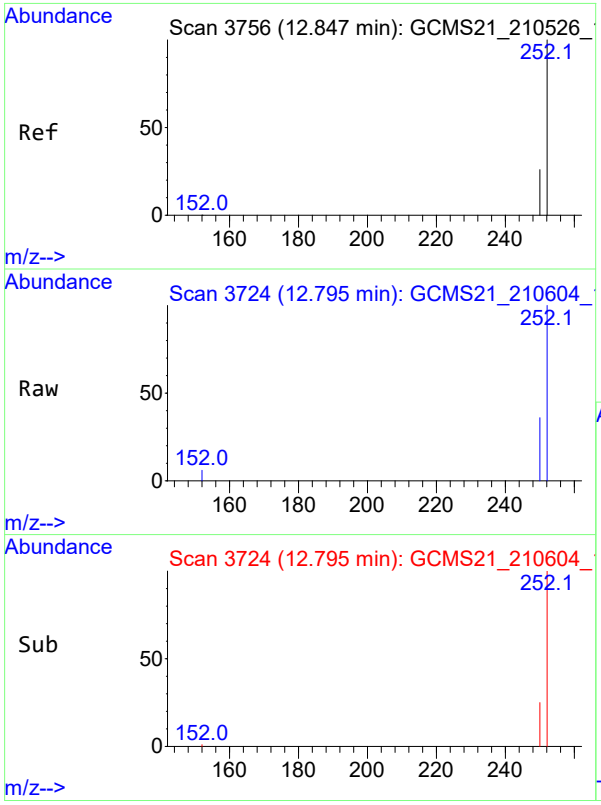


#23
Benzo(k)fluoranthene
Concen: 11.48 ng/mL
RT: 12.844 min Scan# 3754
Delta R.T. 0.021 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:252 Resp: 15229

Ion	Ratio	Lower	Upper
252	100		
250	19.7	0.0	55.4

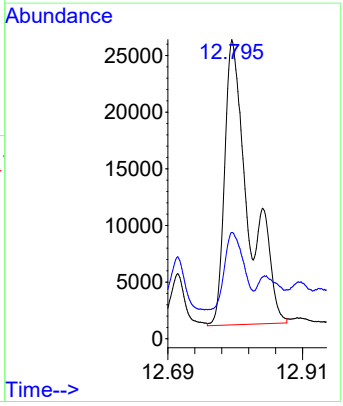


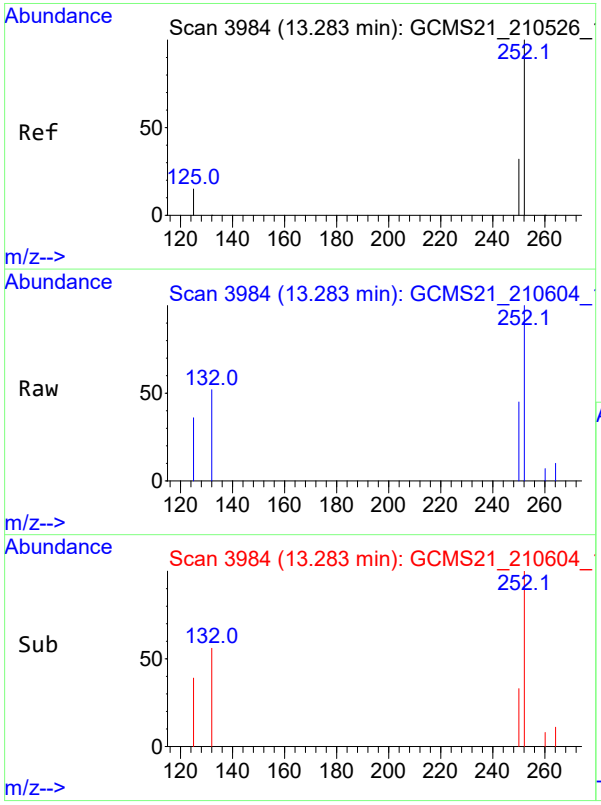


#24
benzo(b+k)fluoranthene (sum)
Concen: 51.73 ng/mL m
RT: 12.795 min Scan# 3724
Delta R.T. -0.028 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:252 Resp: 67302

Ion	Ratio	Lower	Upper
252	100		
250	11.4	0.0	55.4

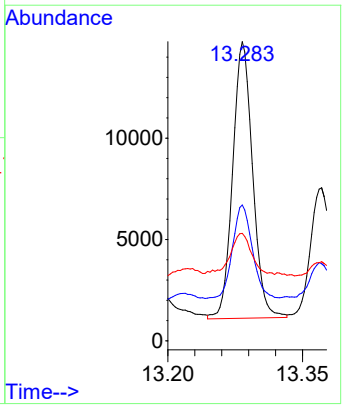


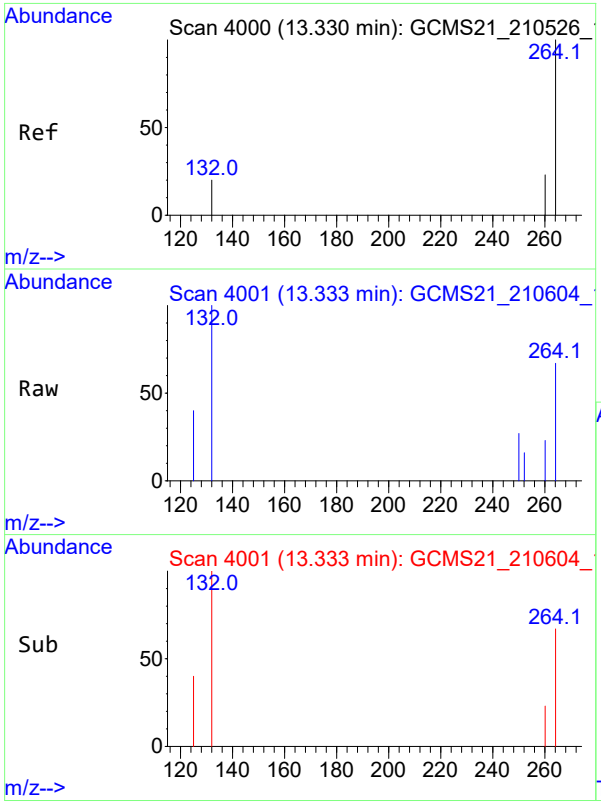


#25
Benzo(e)pyrene
Concen: 18.43 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. 0.024 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:252 Resp: 22255

Ion	Ratio	Lower	Upper
252	100		
250	34.4	2.1	62.1
125	49.9	0.0	45.8#

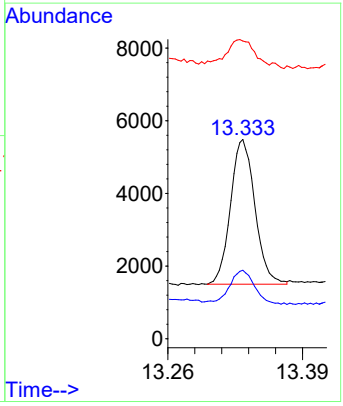


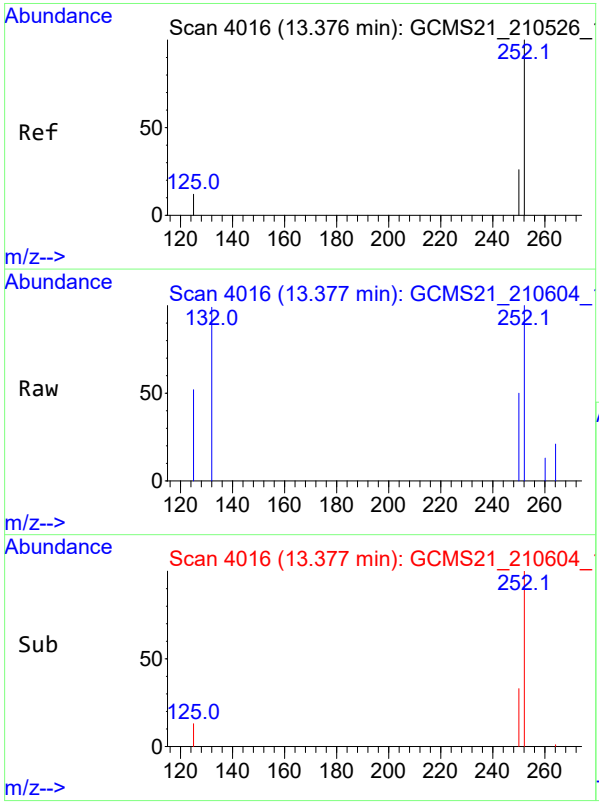


#26
Benzo(a)pyrene-D12
Concen: 7.15 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.021 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:264 Resp: 6705

Ion	Ratio	Lower	Upper
264	100		
260	24.1	0.0	52.9
132	17.9	0.0	48.4

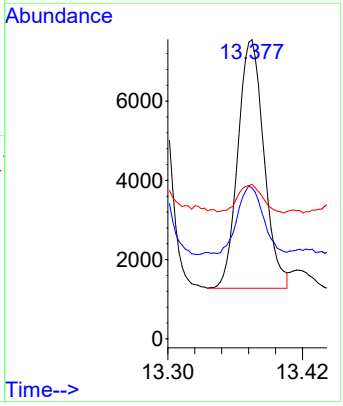


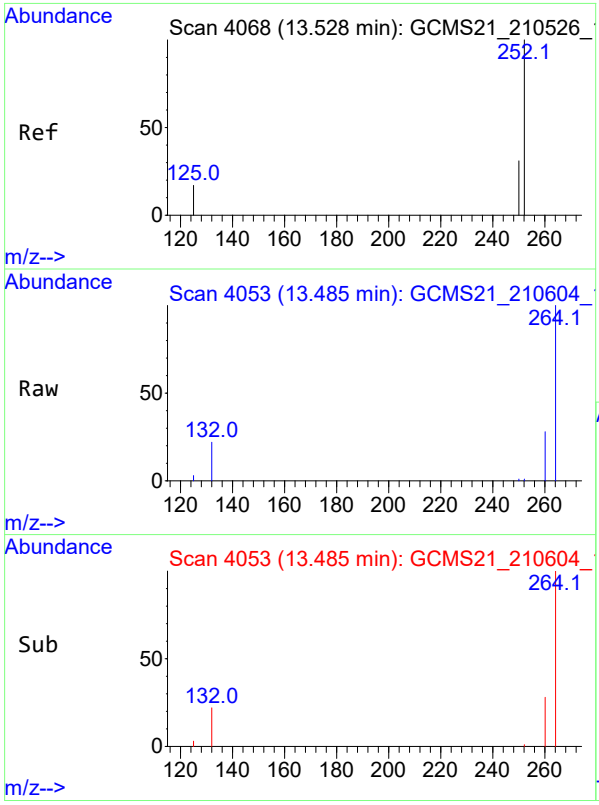


#27
Benzo(a)pyrene
Concen: 9.57 ng/mL
RT: 13.377 min Scan# 4016
Delta R.T. 0.026 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:252 Resp: 10459

Ion	Ratio	Lower	Upper
252	100		
250	26.4	0.0	56.7
125	10.7	0.0	42.1

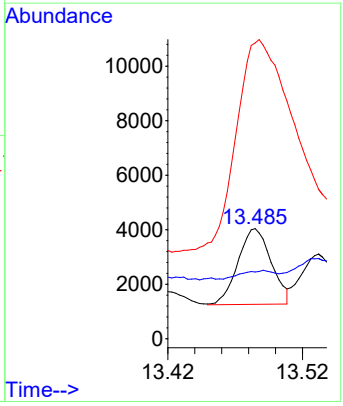


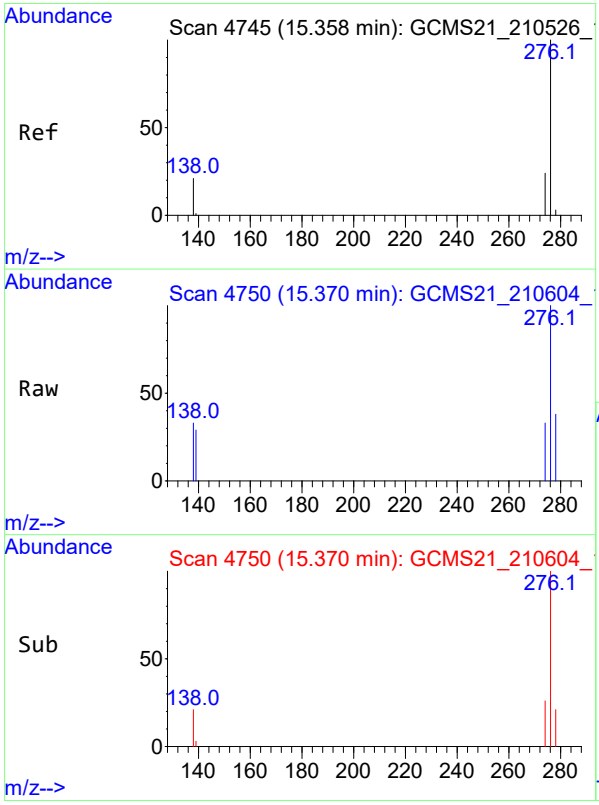


#28
Perylene
Concen: 3.86 ng/mL
RT: 13.485 min Scan# 4053
Delta R.T. -0.020 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:252 Resp: 4733

Ion	Ratio	Lower	Upper
252	100		
250	11.3	1.2	61.2
125	552.4	0.0	46.5#

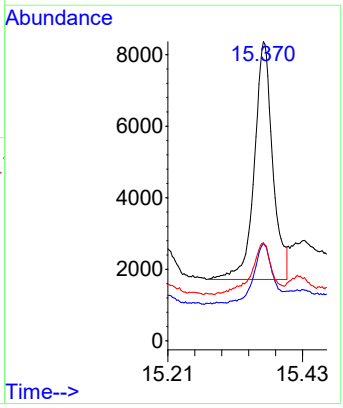


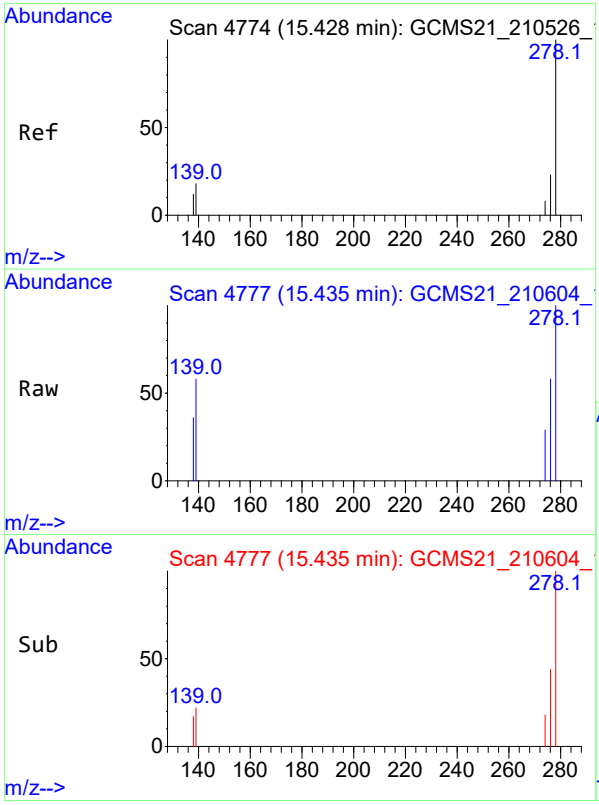


#29
Indeno(1,2,3-cd)pyrene
Concen: 14.88 ng/mL
RT: 15.370 min Scan# 4750
Delta R.T. 0.038 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:276 Resp: 13911

Ion	Ratio	Lower	Upper
276	100		
274	25.5	0.0	53.5
138	24.3	0.0	50.6

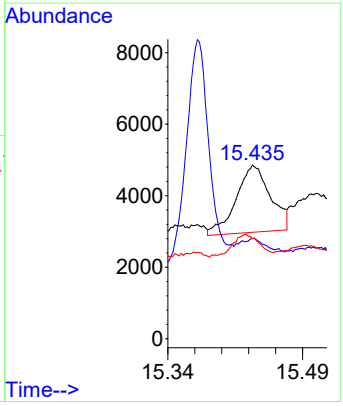




#30
Dibenz(a,h)anthracene
Concen: 5.68 ng/mL
RT: 15.435 min Scan# 4777
Delta R.T. 0.031 min
Lab File: GCMS21_210604_10.D
Acq: 04 Jun 2021 12:24

Tgt Ion:278 Resp: 5296

Ion	Ratio	Lower	Upper
278	100		
276	6.6	0.0	58.7
139	26.8	0.0	47.2



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_09.D
Acq On : 04 Jun 2021 11:59
Operator : MN GCMS21
Sample : 2105001-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 12:02:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

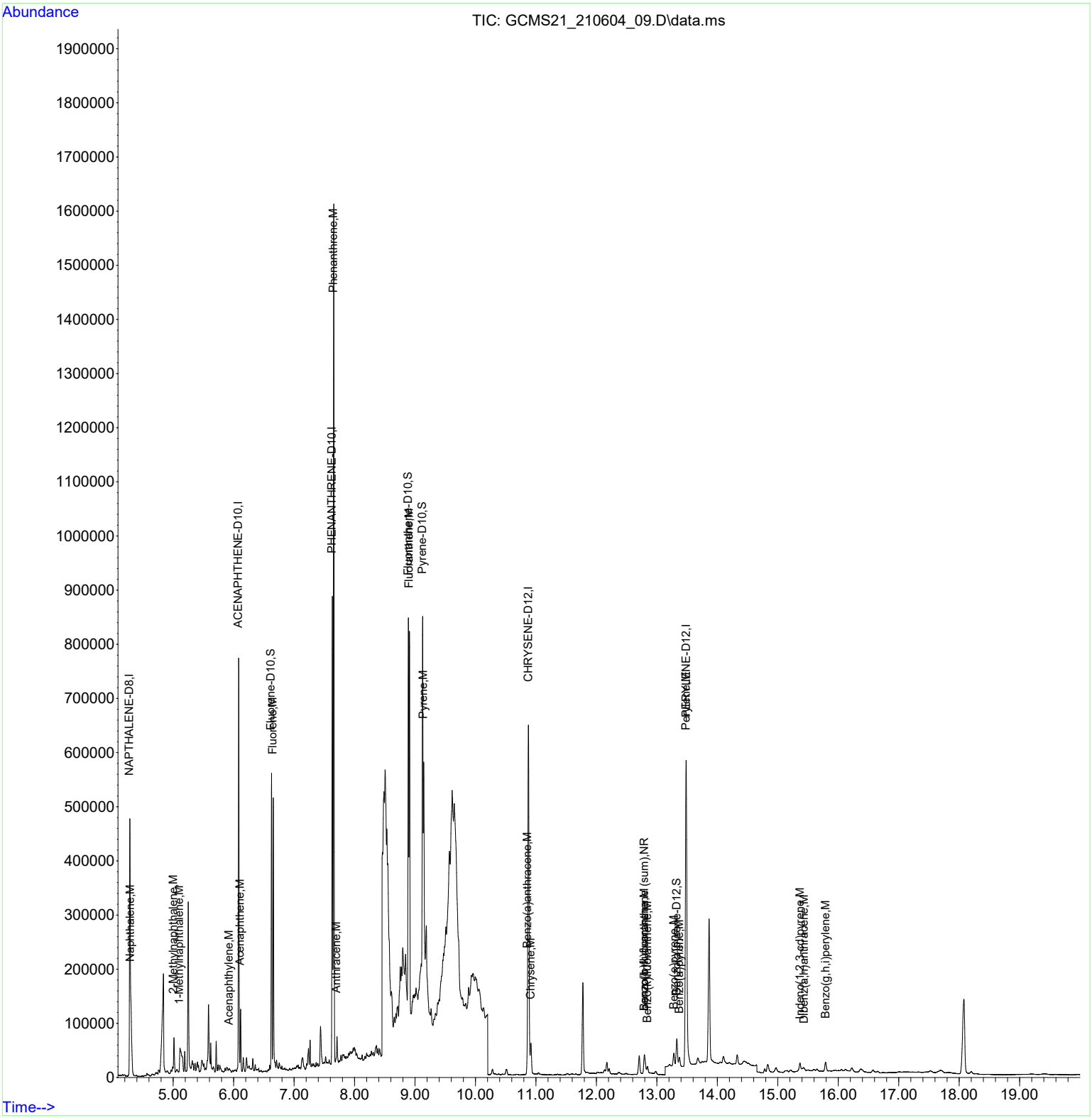
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.284	136	475557	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.086	164	291372	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.632	188	606150	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.876	240	666651	500.00	ng/mL	0.01
21) PERYLENE-D12	13.483	264	616773	500.00	ng/mL	0.02
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.627	176	204410	293.03	ng/mL	0.00
14) Fluoranthene-D10	8.890	212	421152	320.88	ng/mL	0.00
17) Pyrene-D10	9.127	212	421270	276.97	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.331	264	59887	59.76	ng/mL	0.02
Target Compounds						Qvalue
2) Naphthalene	4.304	128	56658	62.09	ng/mL	93
4) 2-Methylnaphthalene	5.013	142	29420	43.78	ng/mL	93
5) 1-Methylnaphthalene	5.112	142	13988	24.99	ng/mL#	81
7) Acenaphthylene	5.932	152	4556	4.71	ng/mL#	41
8) Acenaphthene	6.116	153	34755	46.95	ng/mL	90
10) Fluorene	6.656	166	180537	220.34	ng/mL	99
12) Phenanthrene	7.657	178	964934	659.59	ng/mL	99
13) Anthracene	7.709	178	33447	27.50	ng/mL	75
15) Fluoranthene	8.908	202	429748	278.34	ng/mL	96
18) Pyrene	9.144	202	221010m	124.39	ng/mL	P, B Qual ion manual integrated 07.02.21 MN
19) Benzo(a)anthracene	10.860	228	30024	22.39	ng/mL	97
20) Chrysene	10.917	228	63041	38.08	ng/mL	90
22) Benzo(b)fluoranthene	12.794	252	54272	42.39	ng/mL	96
23) Benzo(k)fluoranthene	12.844	252	17129	12.07	ng/mL	72
24) benzo(b+k)fluoranthene...	12.794	252	70867m	50.94	ng/mL	
25) Benzo(e)pyrene	13.282	252	27629	21.40	ng/mL#	67
27) Benzo(a)pyrene	13.372	252	20208	17.30	ng/mL	96
28) Perylene	13.480	252	8707	6.64	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.367	276	20653	20.66	ng/mL	91
30) Dibenz(a,h)anthracene	15.432	278	6589	6.61	ng/mL#	23
31) Benzo(g,h,i)perylene	15.789	276	20213	15.56	ng/mL	97

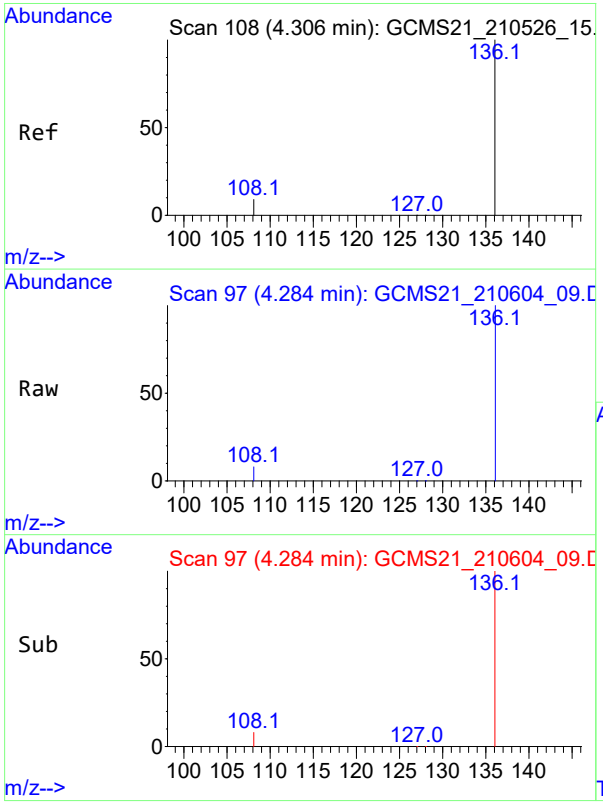
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_09.D
Acq On : 04 Jun 2021 11:59
Operator : MN GCMS21
Sample : 2105001-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 12:02:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

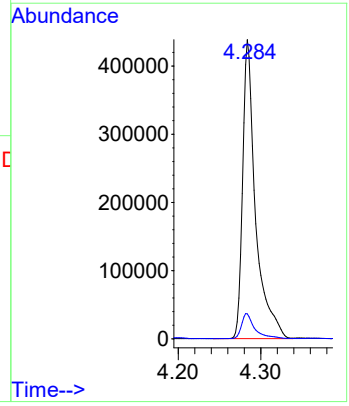


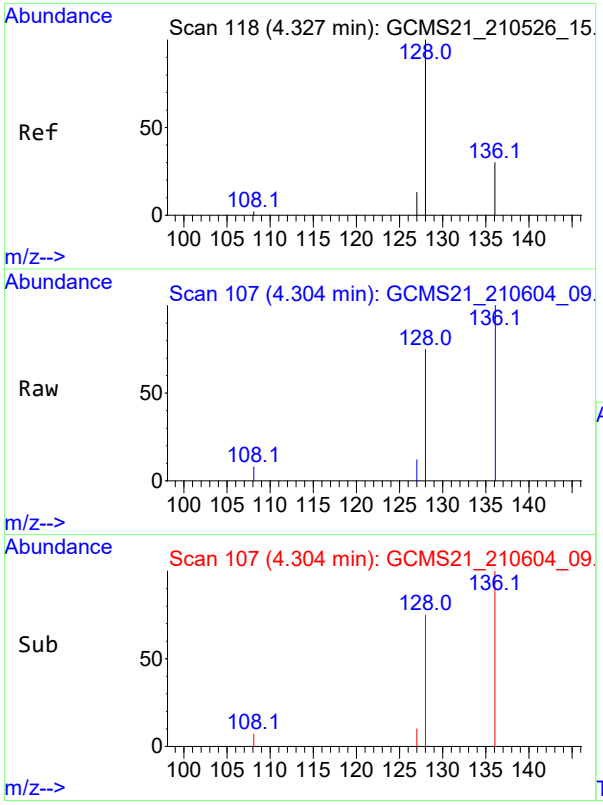


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.284 min Scan# 97
Delta R.T. -0.004 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:136 Resp: 475557

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.6

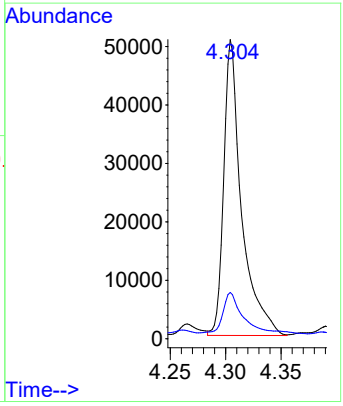


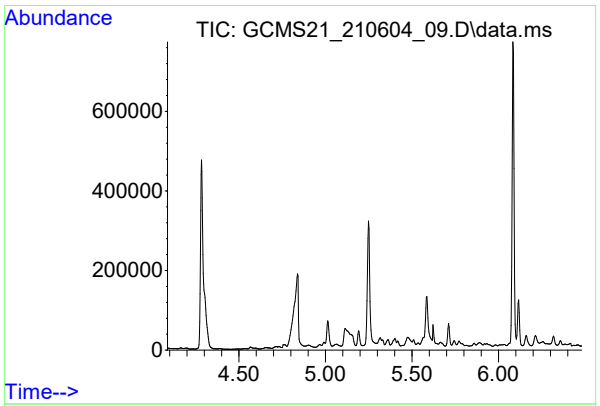


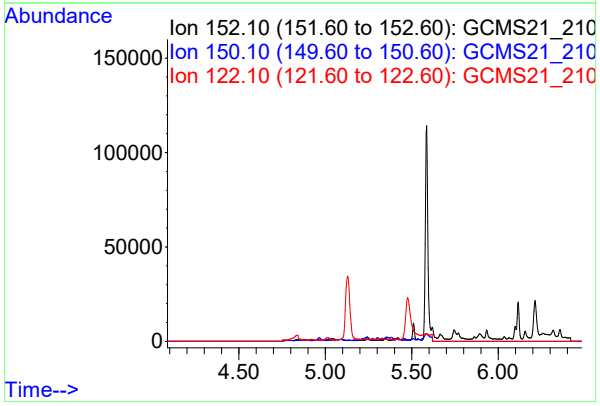
#2
Naphthalene
Concen: 62.09 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.004 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:128 Resp: 56658

Ion	Ratio	Lower	Upper
128	100		
127	16.3	0.0	43.4





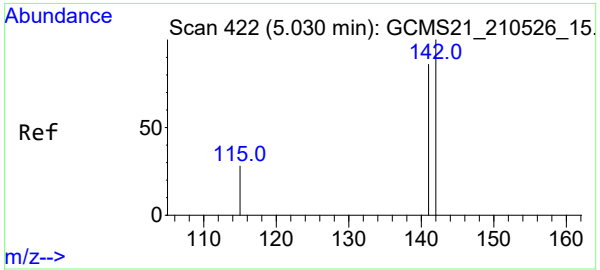


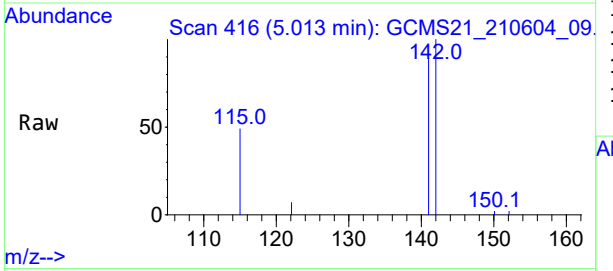
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.98 min

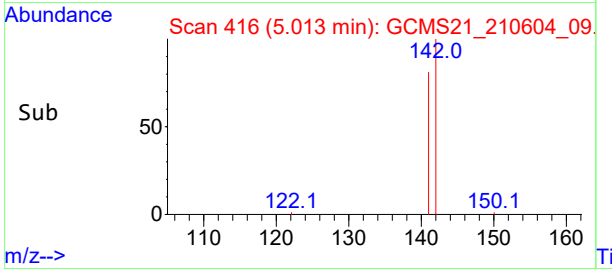
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.8



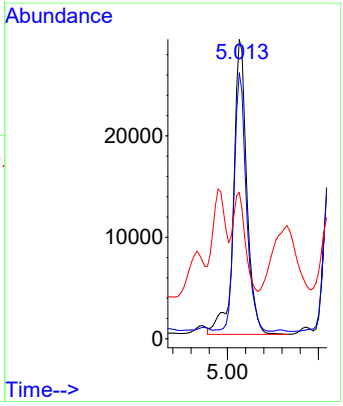


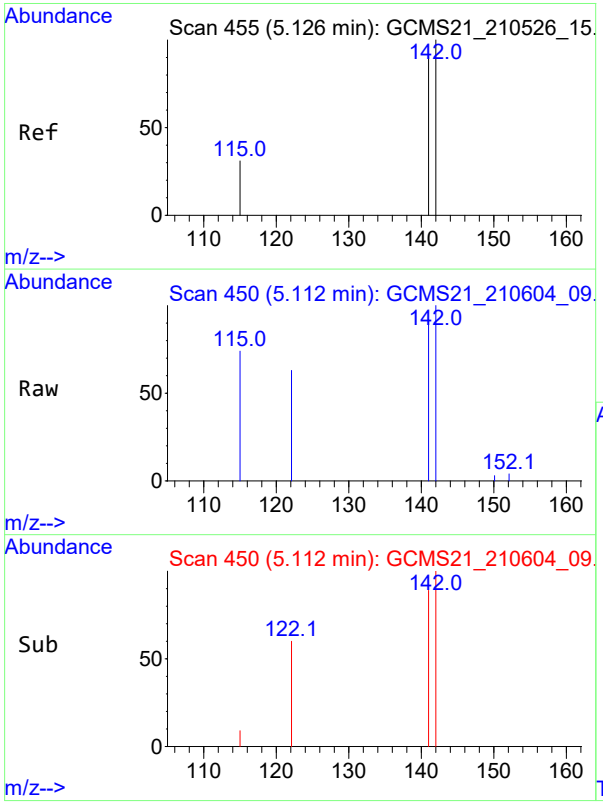


#4
2-Methylnaphthalene
Concen: 43.78 ng/mL
RT: 5.013 min Scan# 416
Delta R.T. -0.000 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:142 Resp: 29420

Ion	Ratio	Lower	Upper
142	100		
141	80.5	56.9	116.9
115	30.8	0.0	57.7

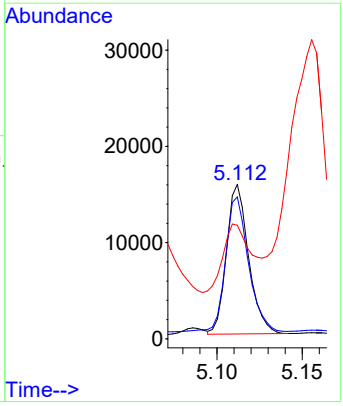


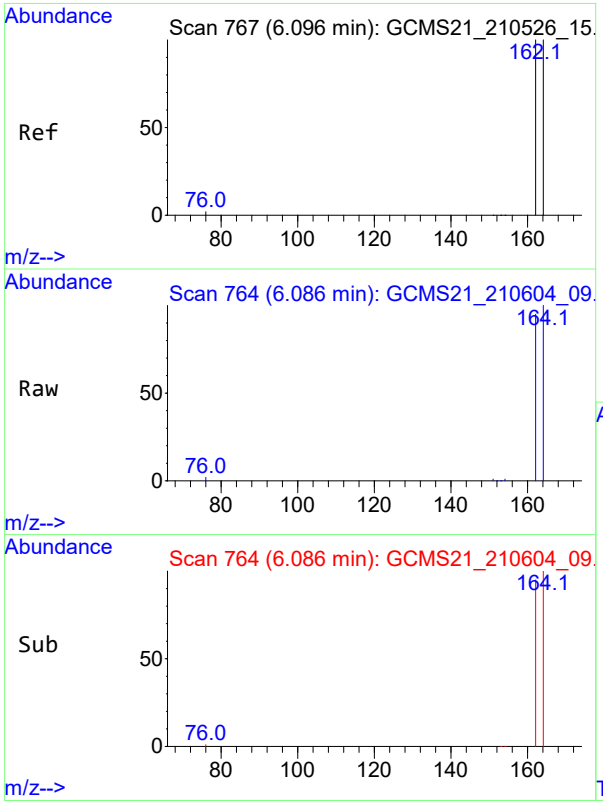


#5
1-Methylnaphthalene
Concen: 24.99 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:142 Resp: 13988

Ion	Ratio	Lower	Upper
142	100		
141	93.6	57.9	117.9
115	59.6	0.0	57.0#

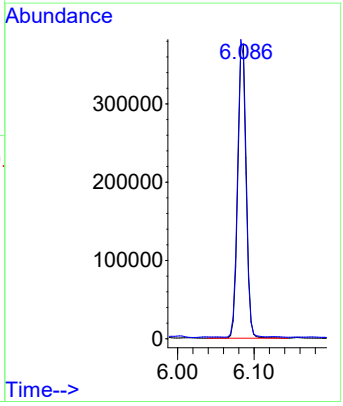


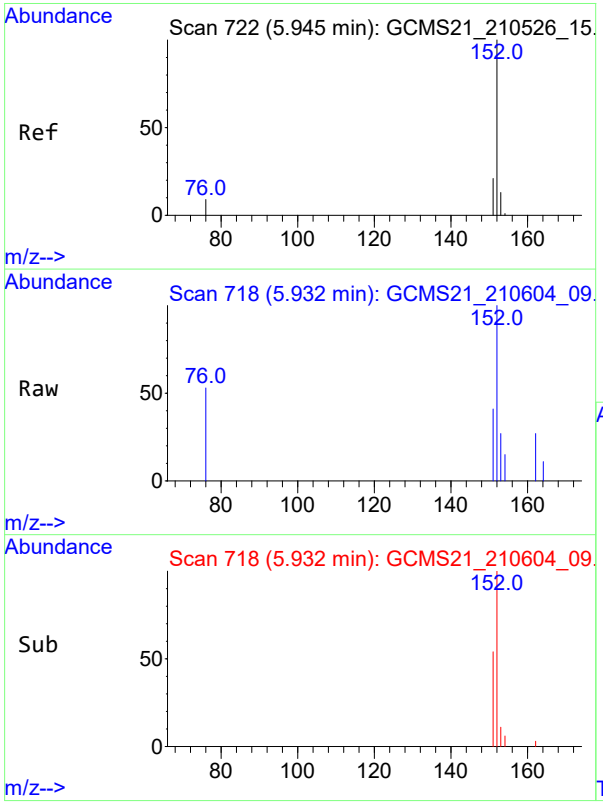


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.086 min Scan# 764
Delta R.T. 0.007 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:164 Resp: 291372

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.0	121.0

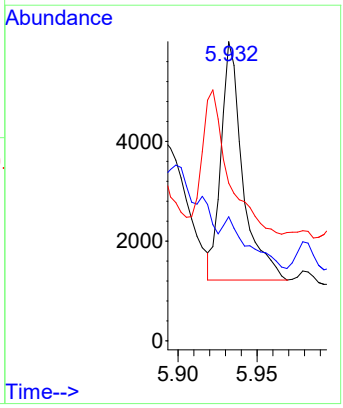


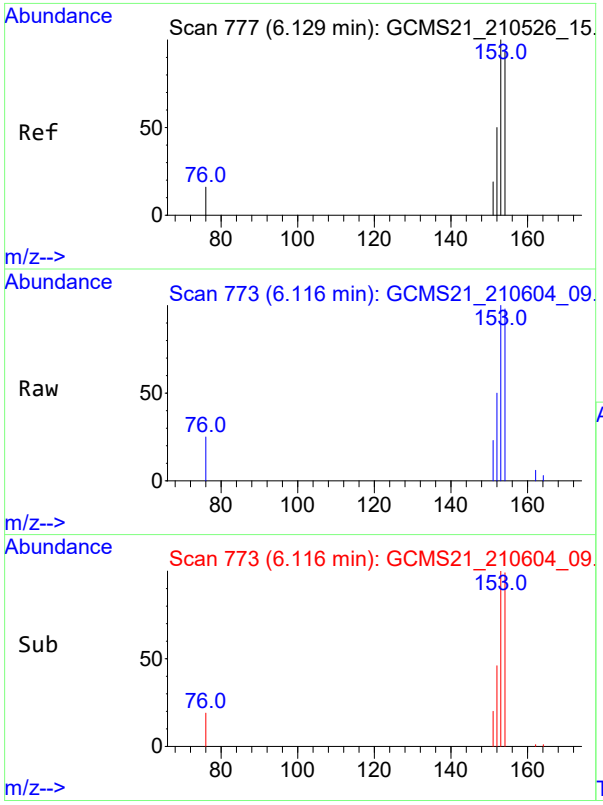


#7
Acenaphthylene
Concen: 4.71 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:152 Resp: 4556

Ion	Ratio	Lower	Upper
152	100		
151	25.0	0.0	51.0
76	73.5	0.0	38.6#

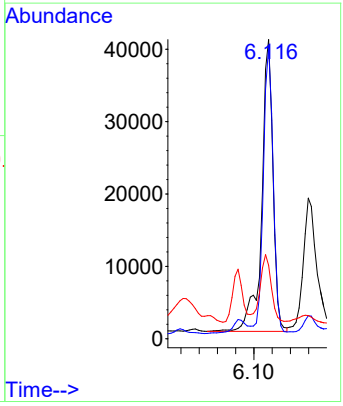


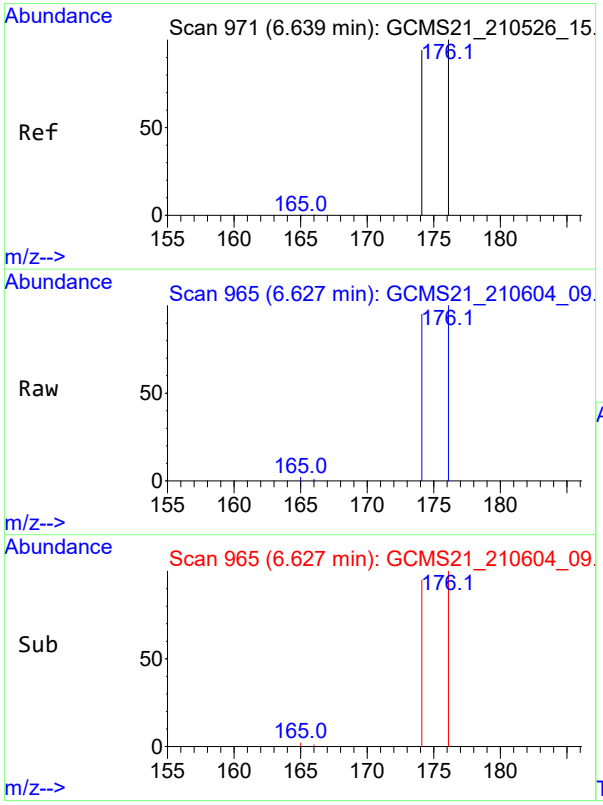


#8
Acenaphthene
Concen: 46.95 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:153 Resp: 34755

Ion	Ratio	Lower	Upper
153	100		
154	85.4	63.7	123.7
76	23.6	0.0	45.2

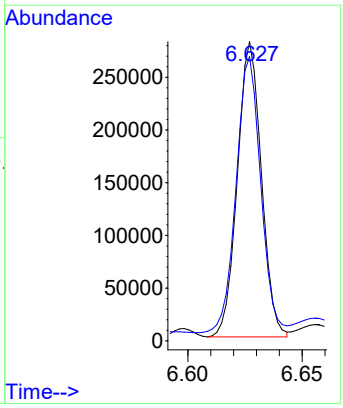


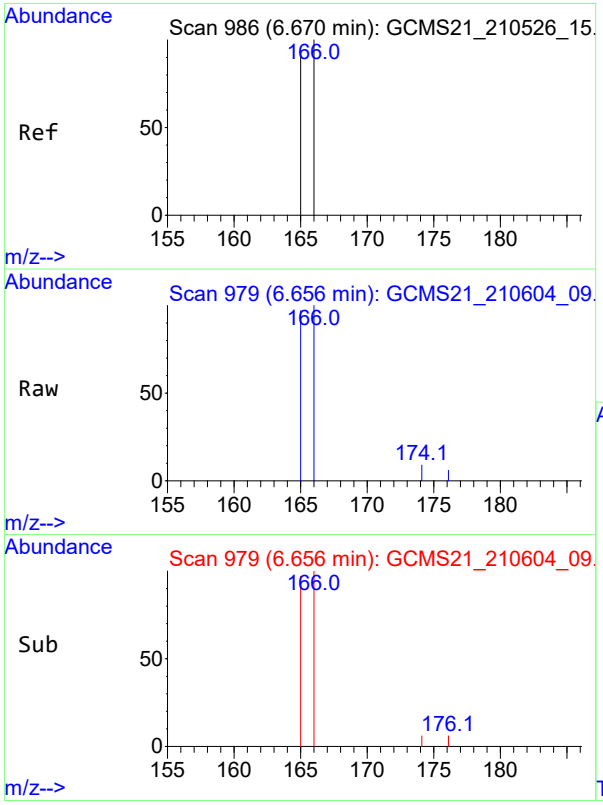


#9
Fluorene-D10
Concen: 293.03 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. 0.004 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:176 Resp: 204410

Ion	Ratio	Lower	Upper
176	100		
174	95.4	63.9	123.9

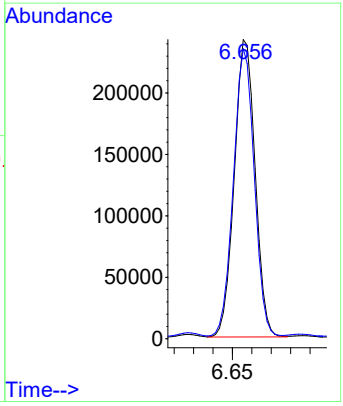


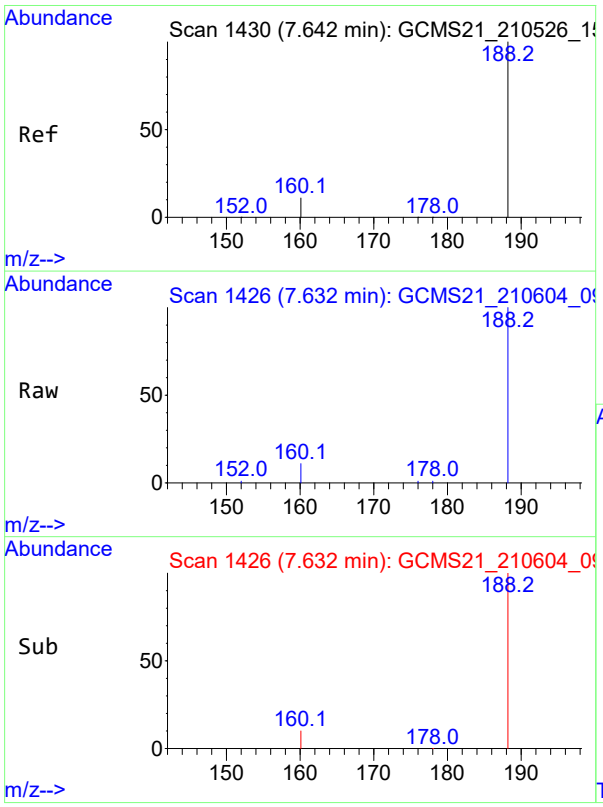


#10
Fluorene
Concen: 220.34 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. 0.004 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:166 Resp: 180537

Ion	Ratio	Lower	Upper
166	100		
165	96.3	65.1	125.1

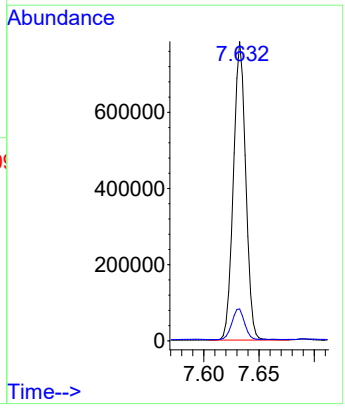


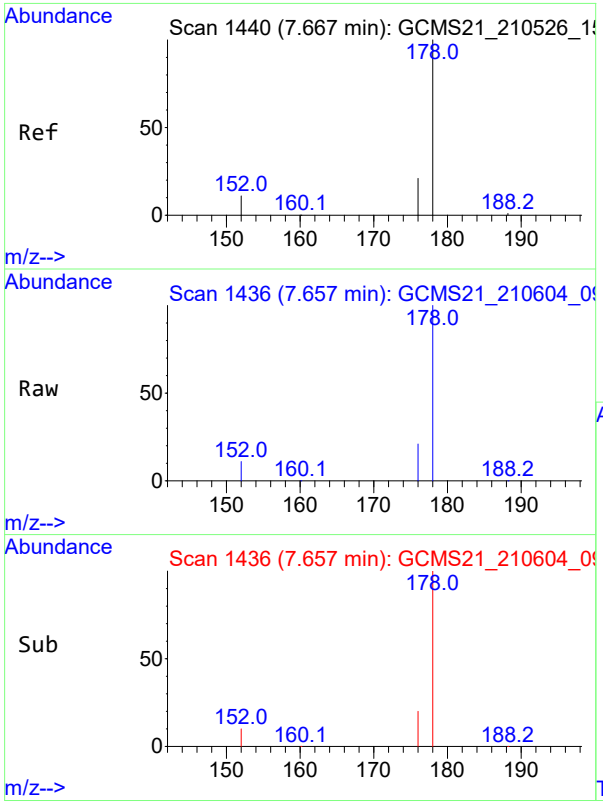


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.632 min Scan# 1426
Delta R.T. 0.005 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:188 Resp: 606150

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

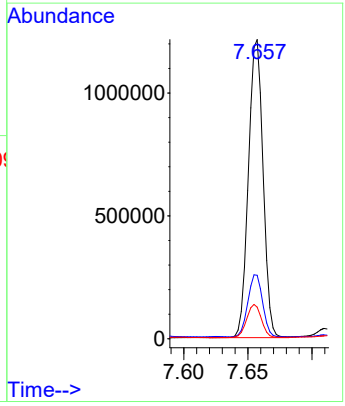


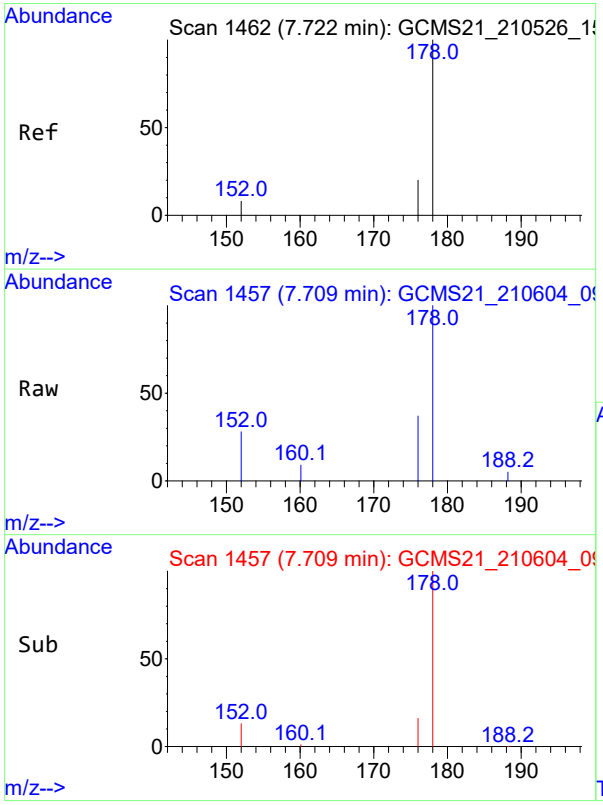


#12
Phenanthrene
Concen: 659.59 ng/mL
RT: 7.657 min Scan# 1436
Delta R.T. 0.007 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:178 Resp: 964934

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	11.1	0.0	40.5

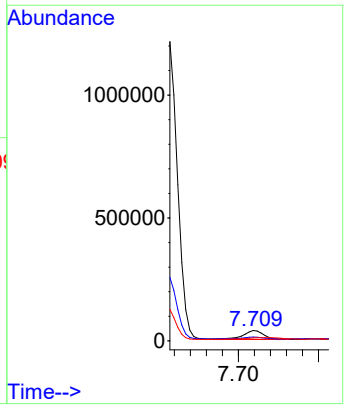


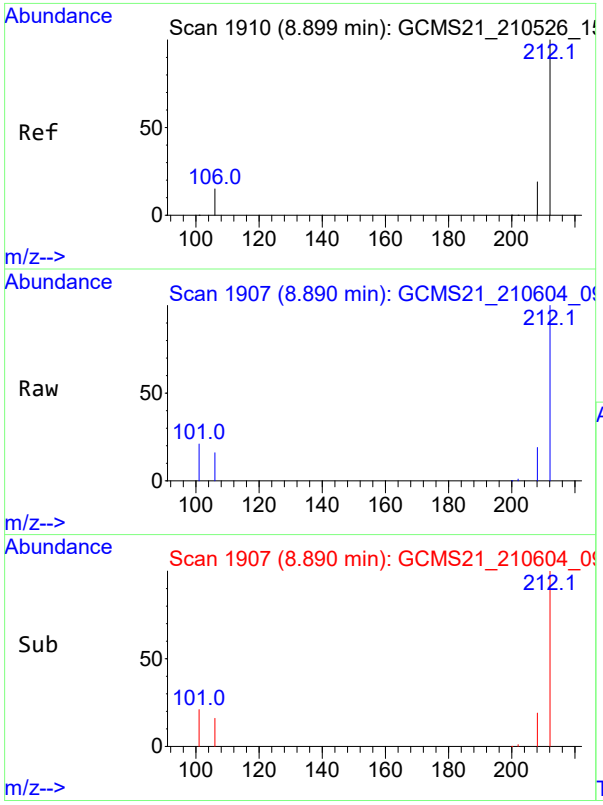


#13
Anthracene
Concen: 27.50 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:178 Resp: 33447

Ion	Ratio	Lower	Upper
178	100		
176	17.7	0.0	50.0
152	34.8	0.0	38.2

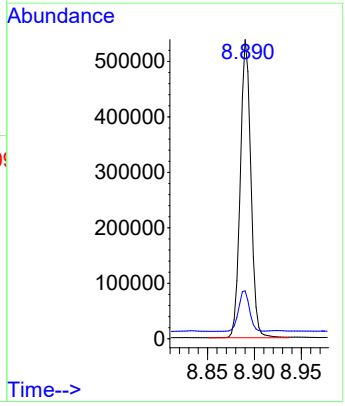


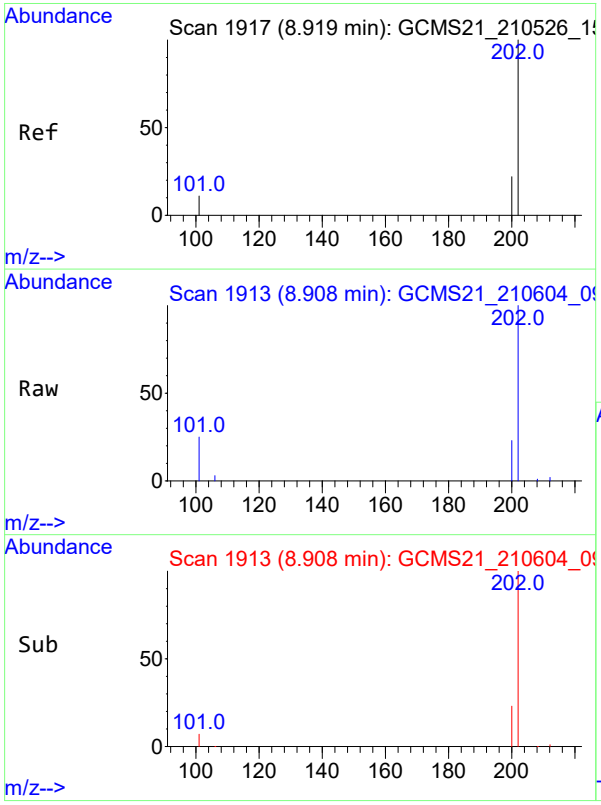


#14
Fluoranthene-D10
Concen: 320.88 ng/mL
RT: 8.890 min Scan# 1907
Delta R.T. 0.009 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:212 Resp: 421152

Ion	Ratio	Lower	Upper
212	100		
106	14.1	0.0	43.1

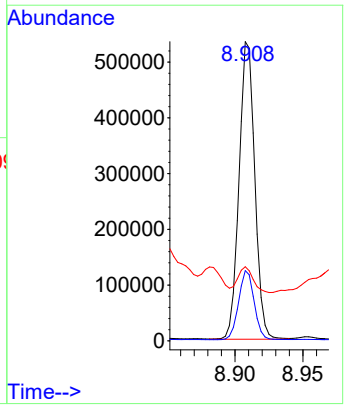


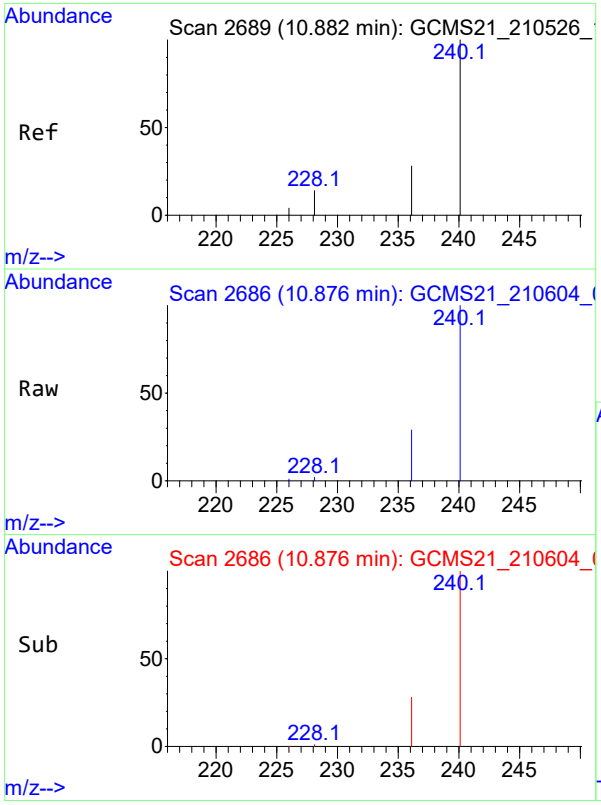


#15
Fluoranthene
Concen: 278.34 ng/mL
RT: 8.908 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:202 Resp: 429748

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.3
101	8.2	0.0	41.8

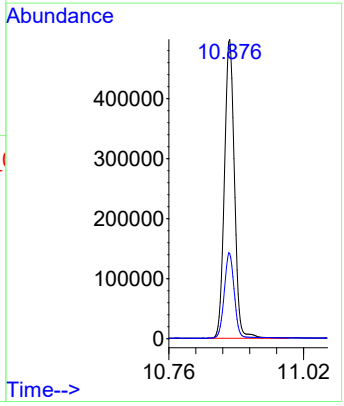


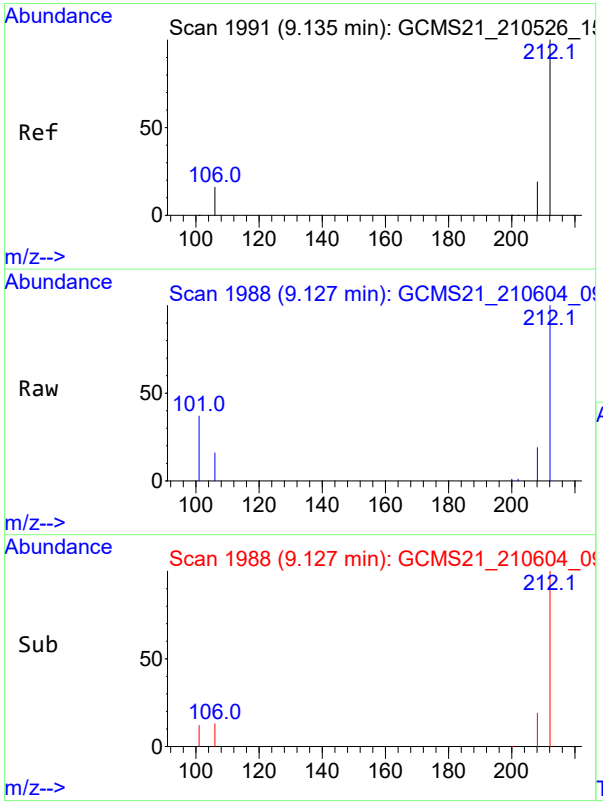


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.876 min Scan# 2686
Delta R.T. 0.014 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:240 Resp: 666651

Ion	Ratio	Lower	Upper
240	100		
236	28.3	0.0	58.5

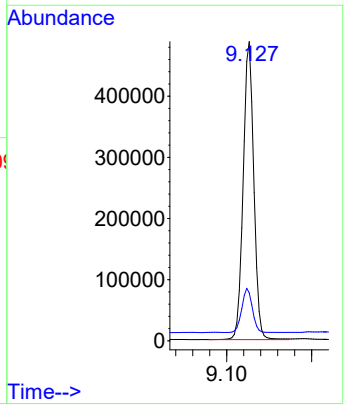


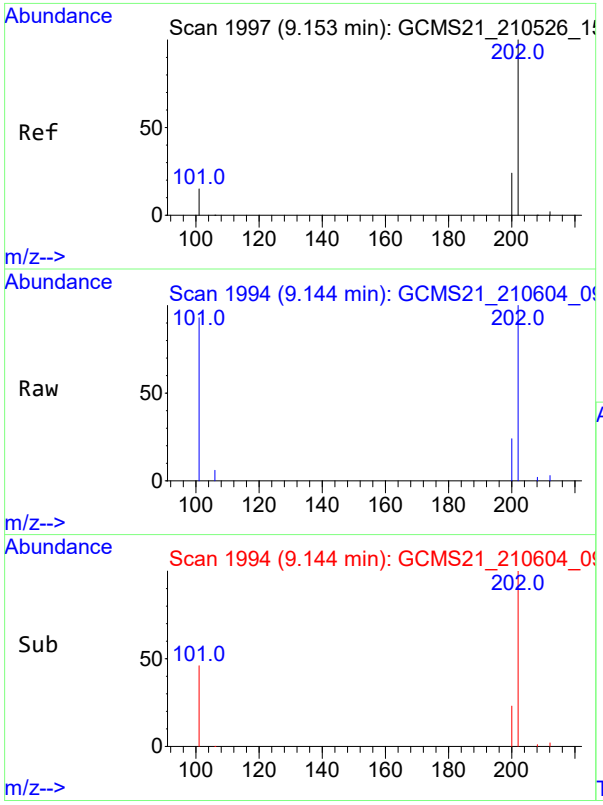


#17
Pyrene-D10
Concen: 276.97 ng/mL
RT: 9.127 min Scan# 1988
Delta R.T. 0.006 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:212 Resp: 421270

Ion	Ratio	Lower	Upper
212	100		
106	14.7	0.0	46.3

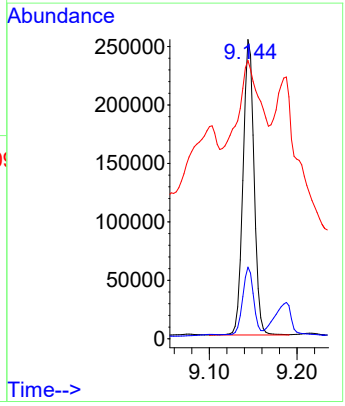


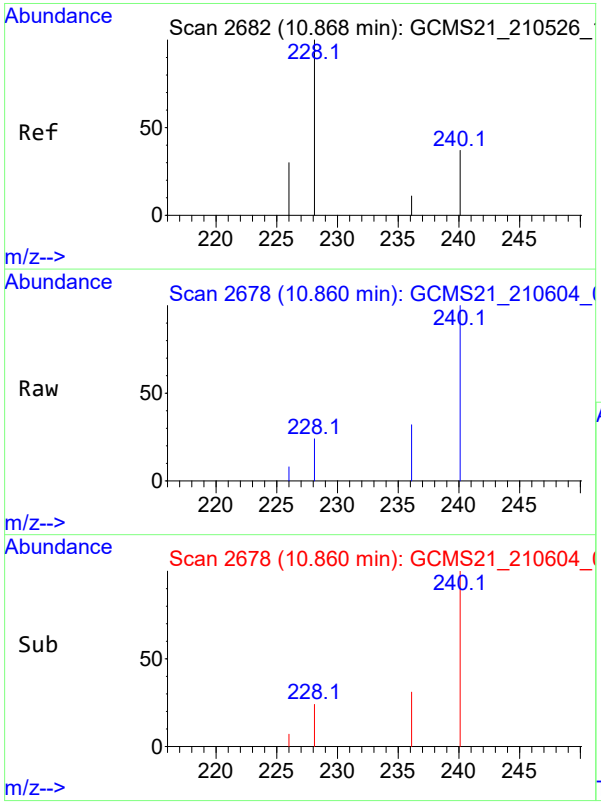


#18
Pyrene
Concen: 124.39 ng/mL m
RT: 9.144 min Scan# 1994
Delta R.T. 0.004 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:202 Resp: 221010

Ion	Ratio	Lower	Upper
202	100		
200	24.2	0.0	53.3
101	15.3	0.0	43.2

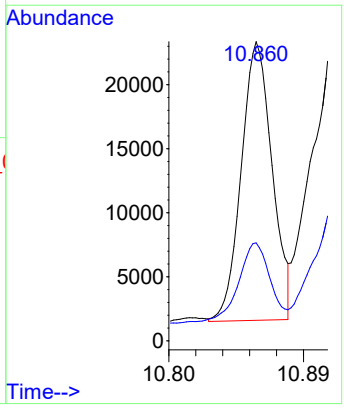


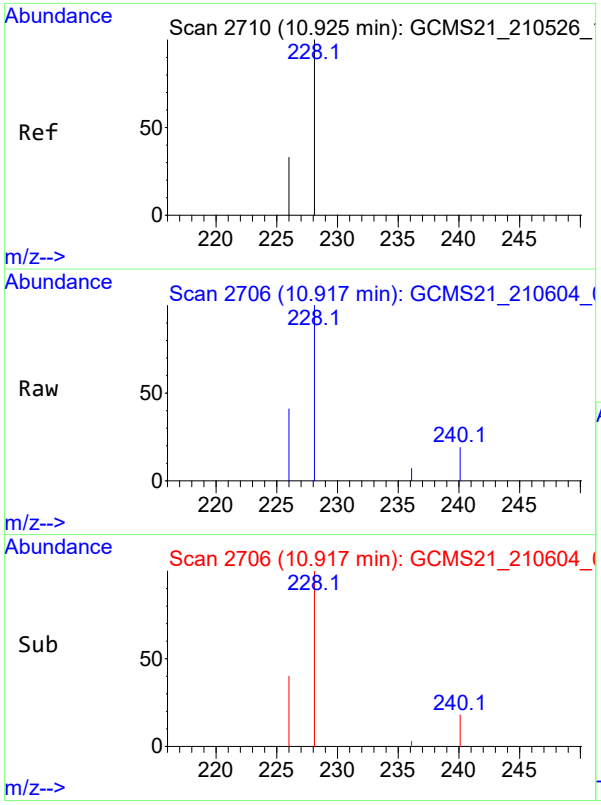


#19
Benzo(a)anthracene
Concen: 22.39 ng/mL
RT: 10.860 min Scan# 2678
Delta R.T. 0.012 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:228 Resp: 30024

Ion	Ratio	Lower	Upper
228	100		
226	31.0	0.0	59.2

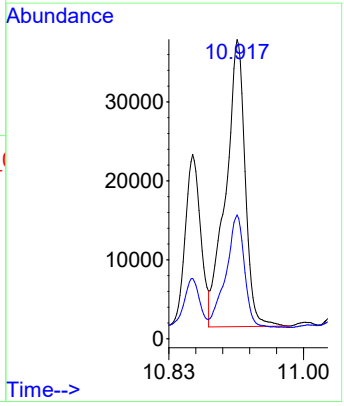


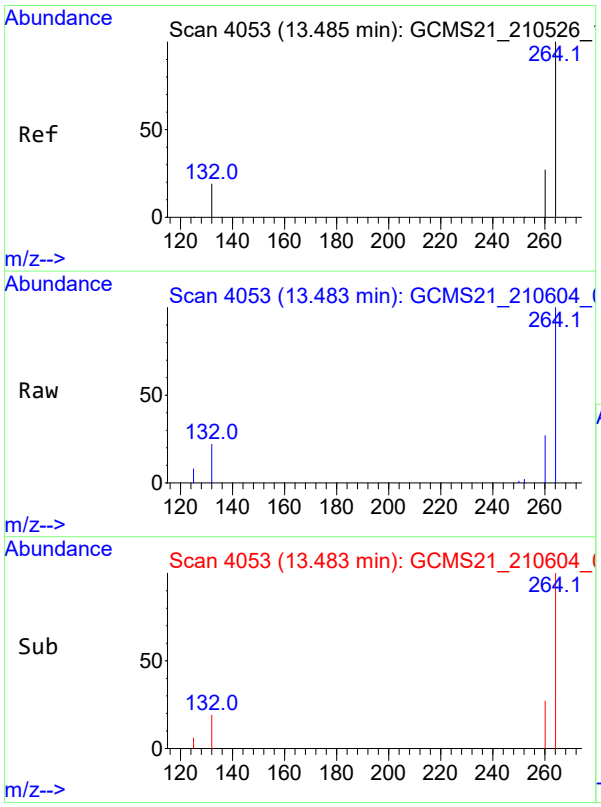


#20
Chrysene
Concen: 38.08 ng/mL
RT: 10.917 min Scan# 2706
Delta R.T. 0.012 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:228 Resp: 63041

Ion	Ratio	Lower	Upper
228	100		
226	37.3	1.9	61.9

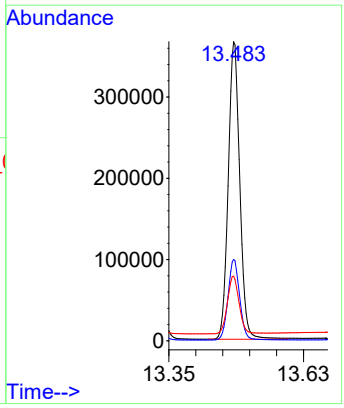


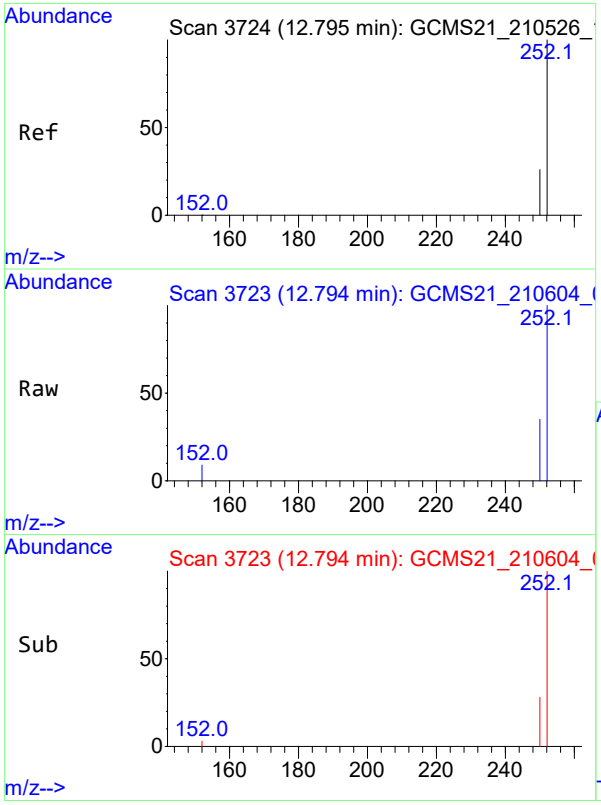


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.483 min Scan# 4053
Delta R.T. 0.022 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:264 Resp: 616773

Ion	Ratio	Lower	Upper
264	100		
260	27.3	0.0	57.7
132	19.5	0.0	49.0

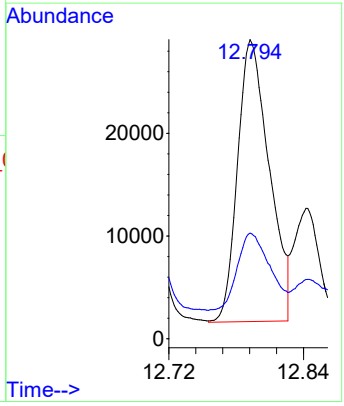


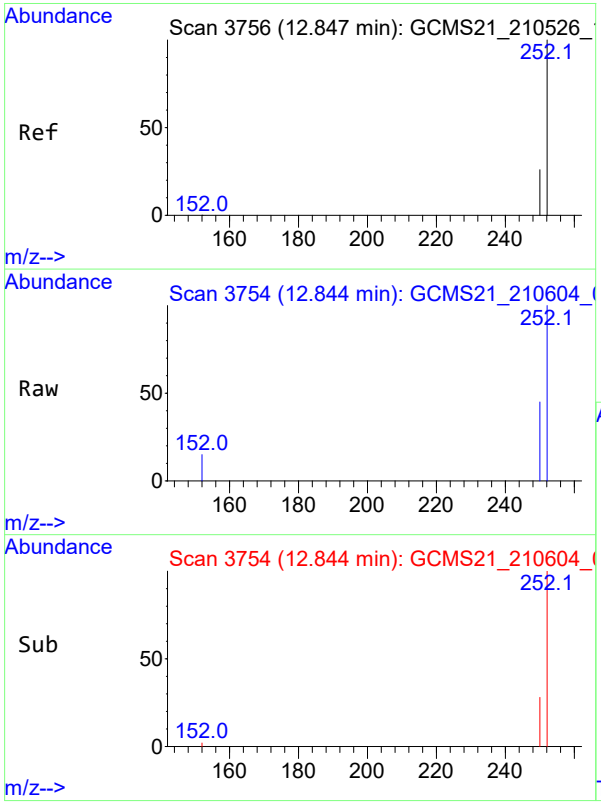


#22
Benzo(b)fluoranthene
Concen: 42.39 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. 0.021 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 54272

Ion	Ratio	Lower	Upper
252	100		
250	28.2	0.0	56.1

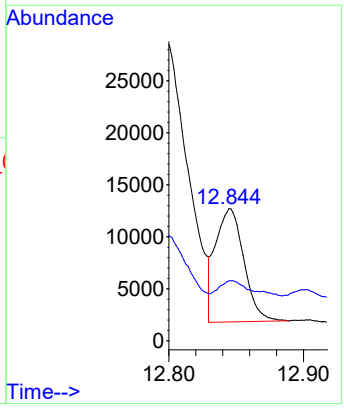


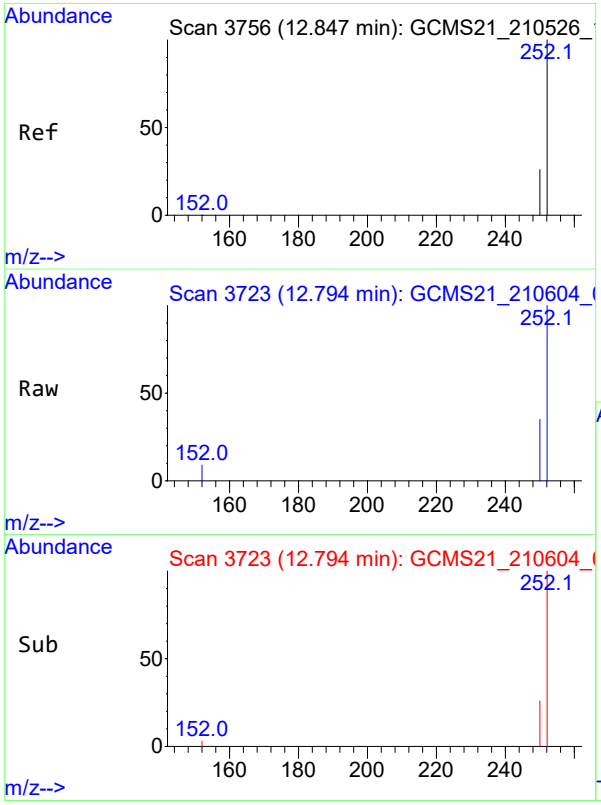


#23
Benzo(k)fluoranthene
Concen: 12.07 ng/mL
RT: 12.844 min Scan# 3754
Delta R.T. 0.021 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 17129

Ion	Ratio	Lower	Upper
252	100		
250	11.3	0.0	55.4

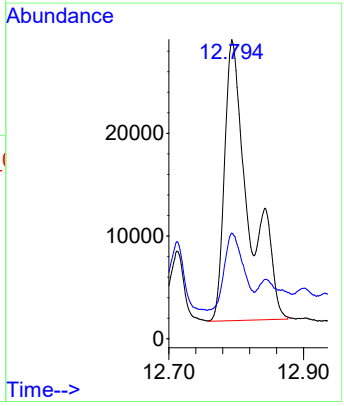


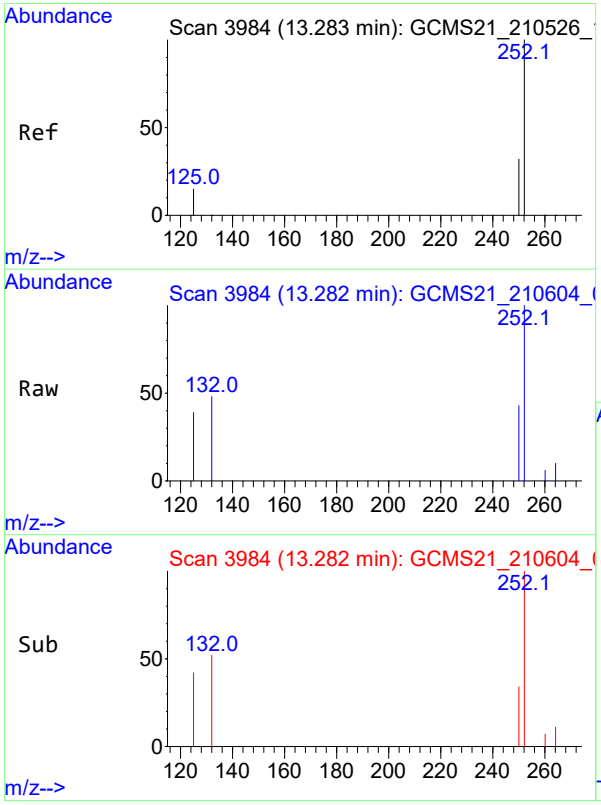


#24
benzo(b+k)fluoranthene (sum)
Concen: 50.94 ng/mL m
RT: 12.794 min Scan# 3723
Delta R.T. -0.030 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 70867

Ion	Ratio	Lower	Upper
252	100		
250	2.6	0.0	55.4

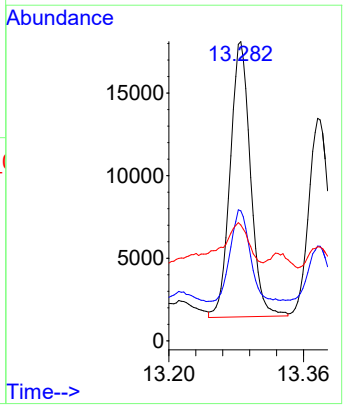


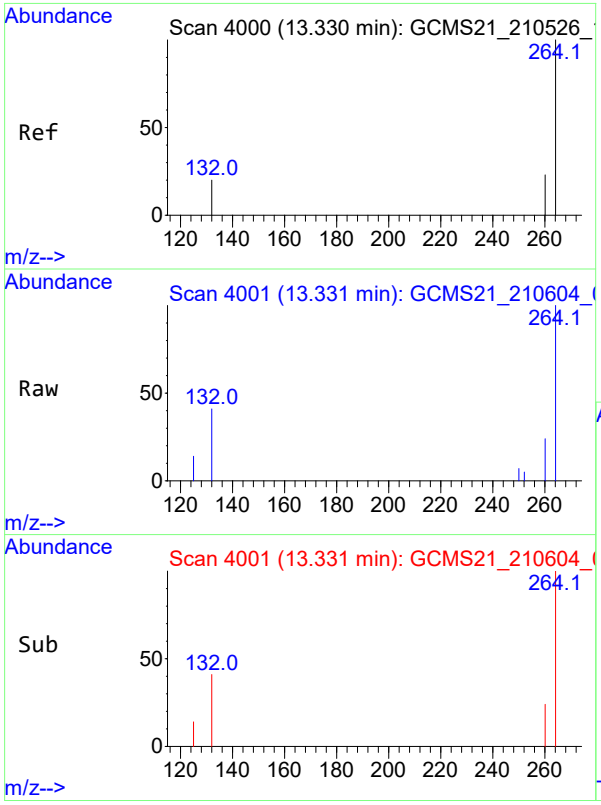


#25
Benzo(e)pyrene
Concen: 21.40 ng/mL
RT: 13.282 min Scan# 3984
Delta R.T. 0.022 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 27629

Ion	Ratio	Lower	Upper
252	100		
250	34.2	2.1	62.1
125	54.9	0.0	45.8#

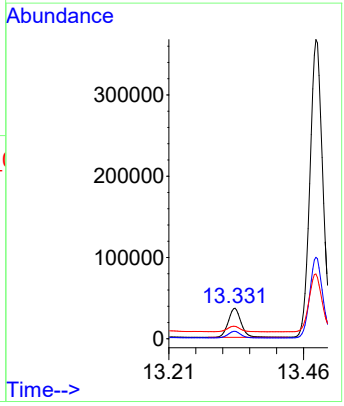


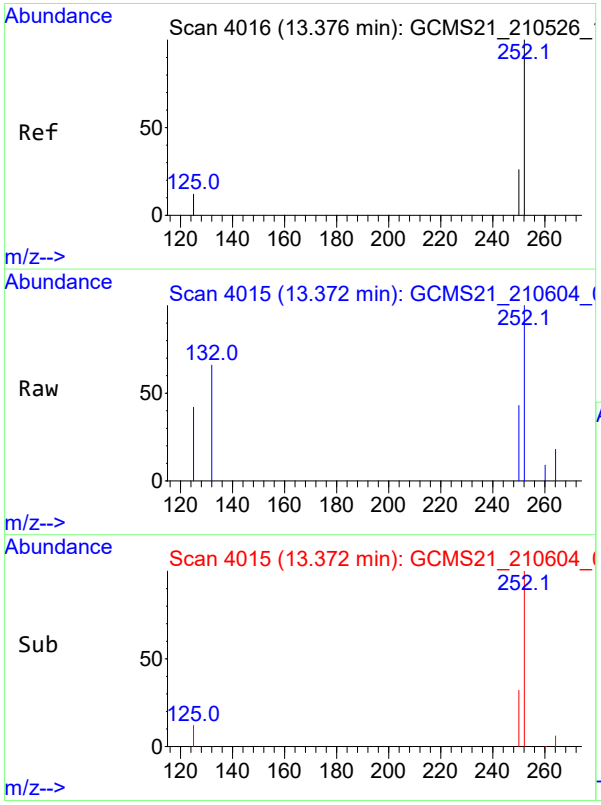


#26
Benzo(a)pyrene-D12
Concen: 59.76 ng/mL
RT: 13.331 min Scan# 4001
Delta R.T. 0.019 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:264 Resp: 59887

Ion	Ratio	Lower	Upper
264	100		
260	22.4	0.0	52.9
132	19.9	0.0	48.4

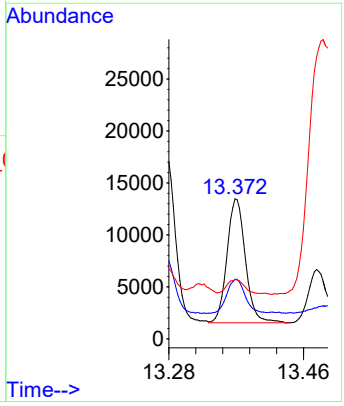


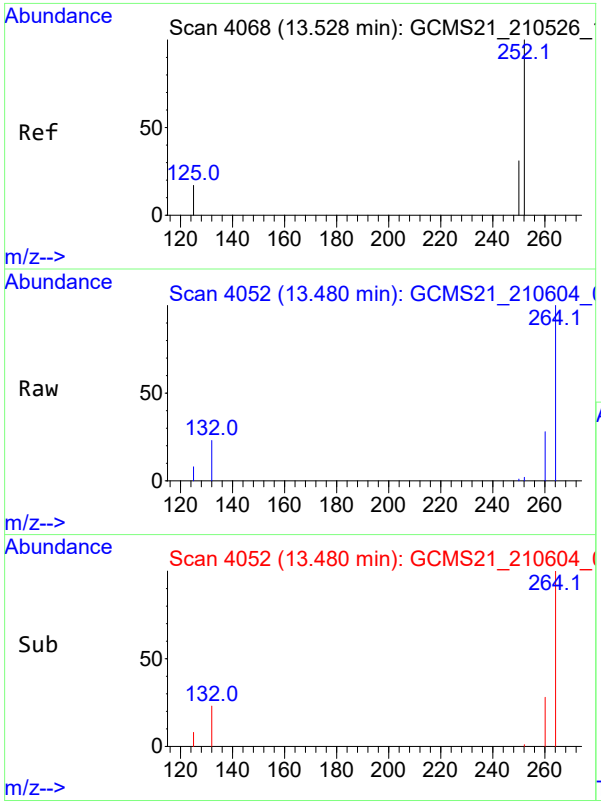


#27
Benzo(a)pyrene
Concen: 17.30 ng/mL
RT: 13.372 min Scan# 4015
Delta R.T. 0.022 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 20208

Ion	Ratio	Lower	Upper
252	100		
250	28.8	0.0	56.7
125	10.1	0.0	42.1

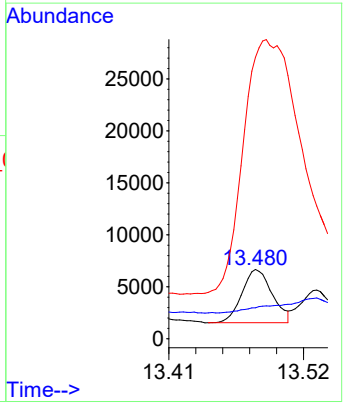


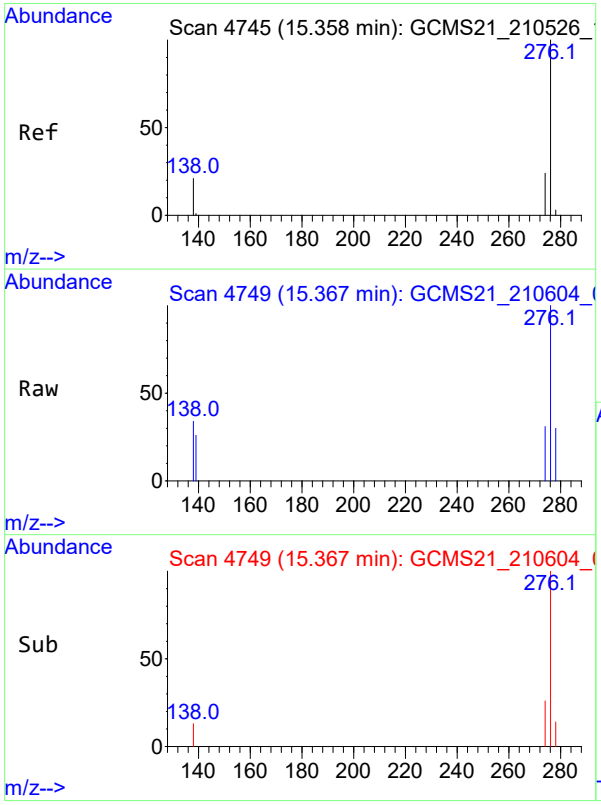


#28
Perylene
Concen: 6.64 ng/mL
RT: 13.480 min Scan# 4052
Delta R.T. -0.025 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 8707

Ion	Ratio	Lower	Upper
252	100		
250	0.0	1.2	61.2#
125	1252.8	0.0	46.5#

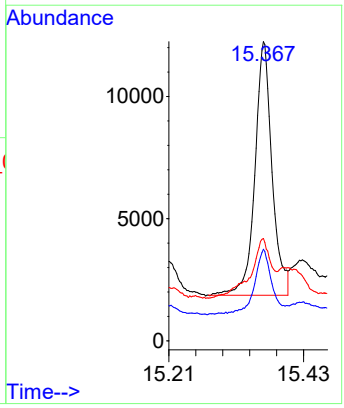


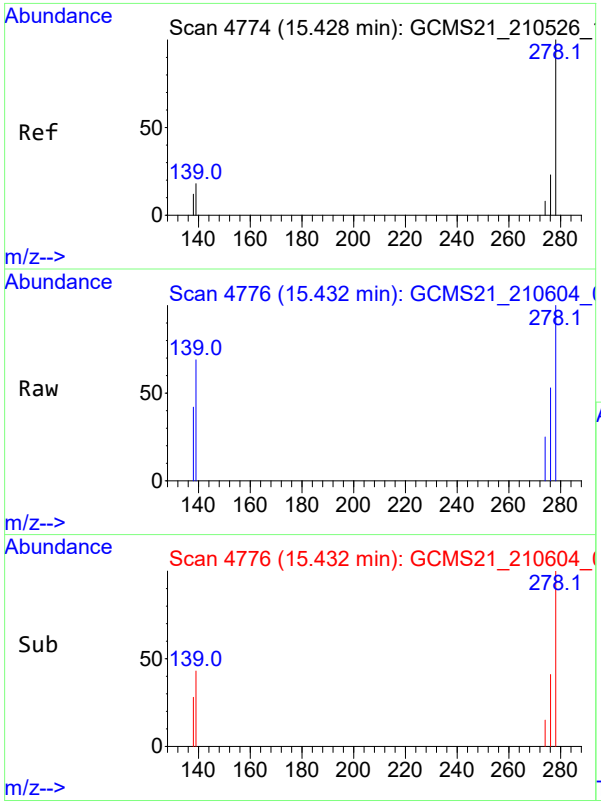


#29
Indeno(1,2,3-cd)pyrene
Concen: 20.66 ng/mL
RT: 15.367 min Scan# 4749
Delta R.T. 0.035 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:276 Resp: 20653

Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	53.5
138	28.4	0.0	50.6

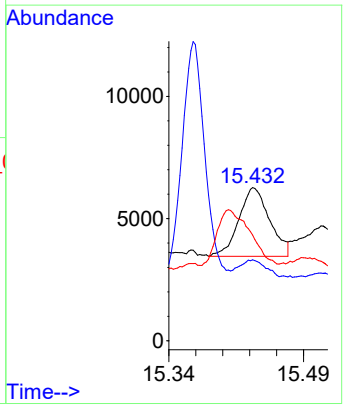


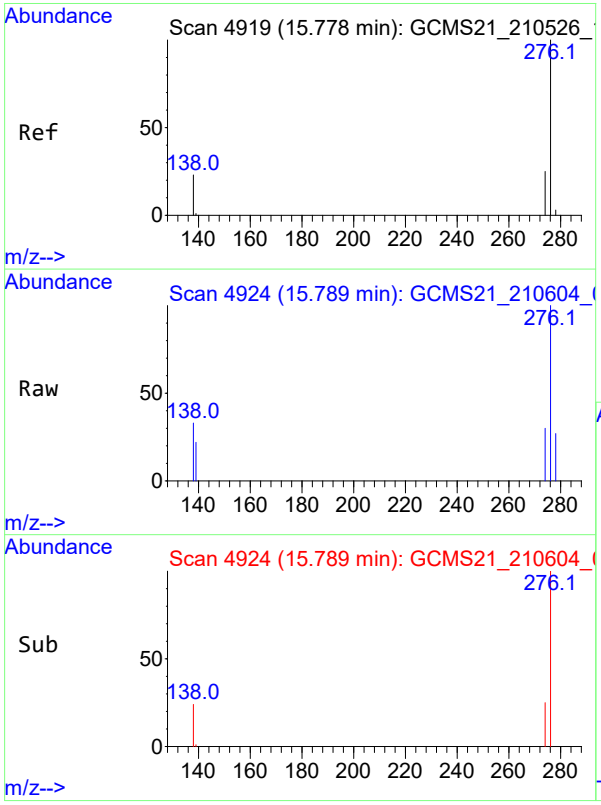


#30
Dibenz(a,h)anthracene
Concen: 6.61 ng/mL
RT: 15.432 min Scan# 4776
Delta R.T. 0.028 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:278 Resp: 6589

Ion	Ratio	Lower	Upper
278	100		
276	25.1	0.0	58.7
139	101.5	0.0	47.2#

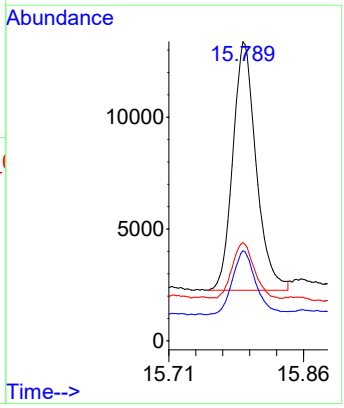




#31
Benzo(g,h,i)perylene
Concen: 15.56 ng/mL
RT: 15.789 min Scan# 4924
Delta R.T. 0.032 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:276 Resp: 20213

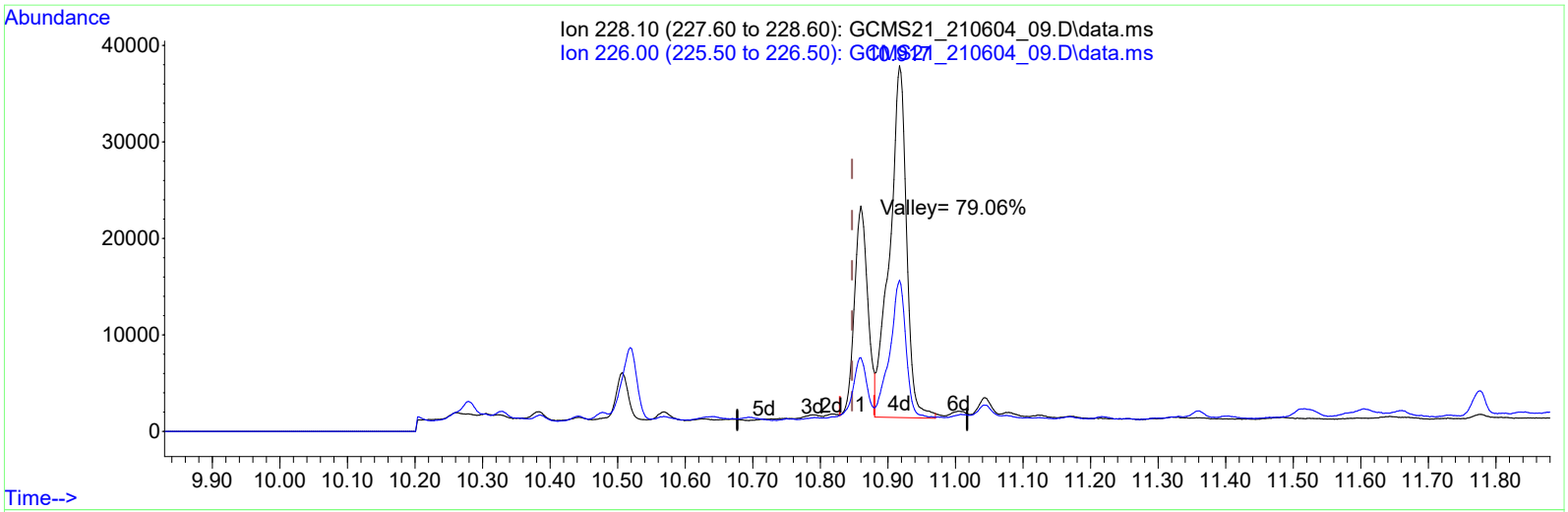
Ion	Ratio	Lower	Upper
276	100		
274	26.1	0.0	54.2
138	21.1	0.0	52.4

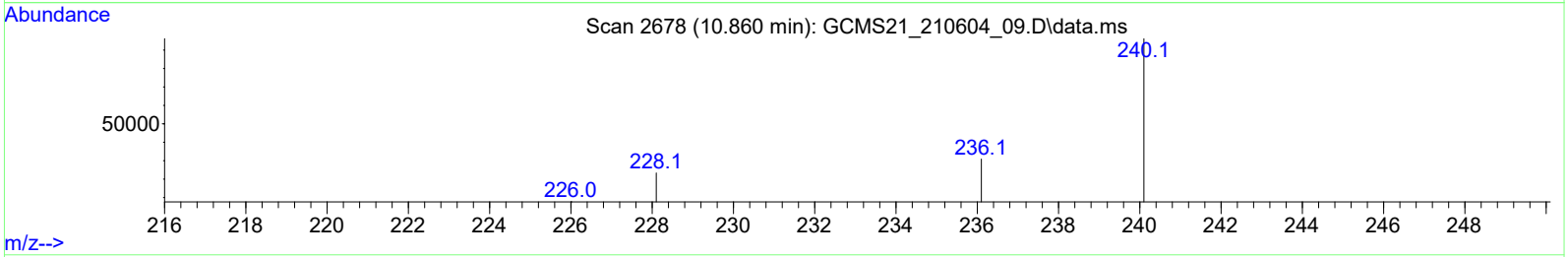


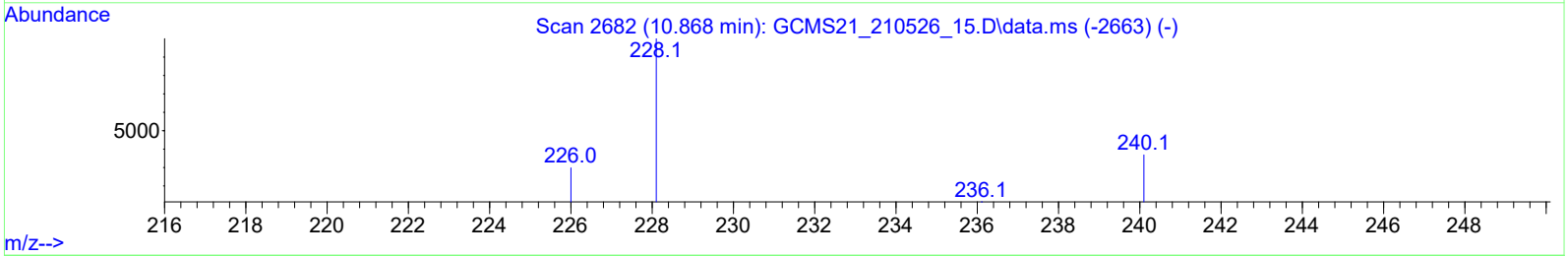
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210604
... 006\
Data File : GCMS21_210604_09.D
Acq On : 04 Jun 2021 11:59 am
Operator : MN GCMS21
Sample : 2105001-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 12:02:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_09.D\data.ms

(19) Benzo(a)anthracene (M)

10.860min (+ 0.012) 22.39 ng/mL

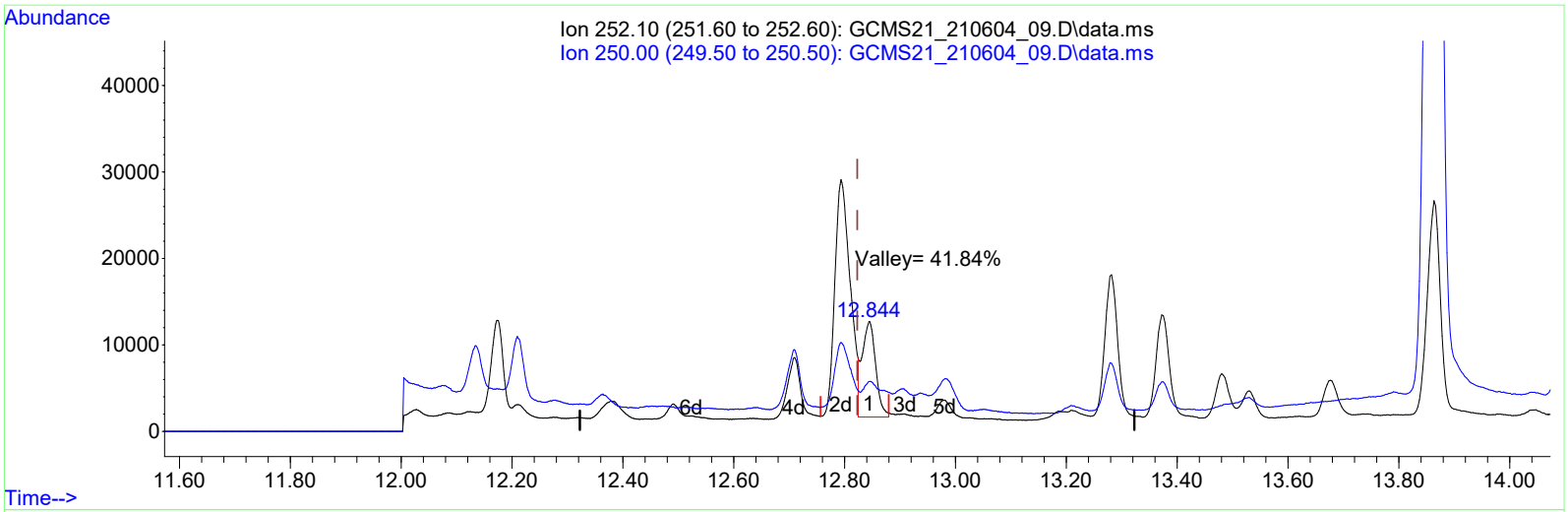
response 30024

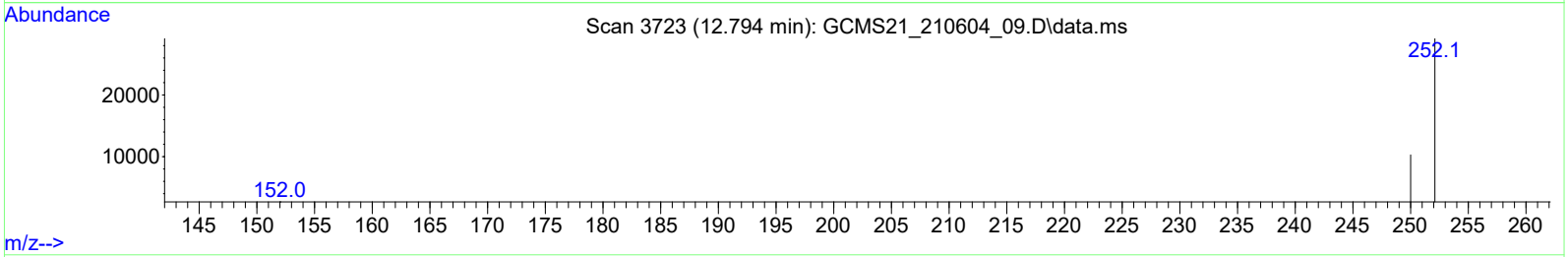
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.20	30.98
0.00	0.00	0.00
0.00	0.00	0.00

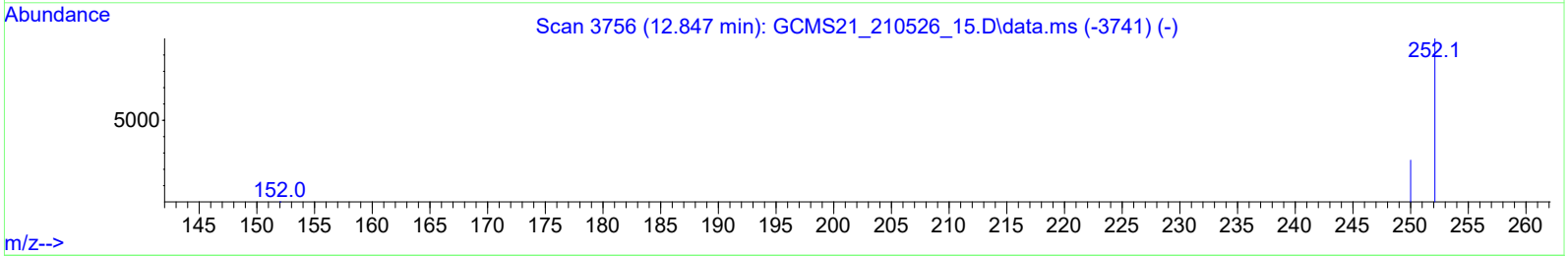
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210604
... 006\
Data File : GCMS21_210604_09.D
Acq On : 04 Jun 2021 11:59 am
Operator : MN GCMS21
Sample : 2105001-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 12:02:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_09.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.794min (-0.030) 50.94 ng/mL m

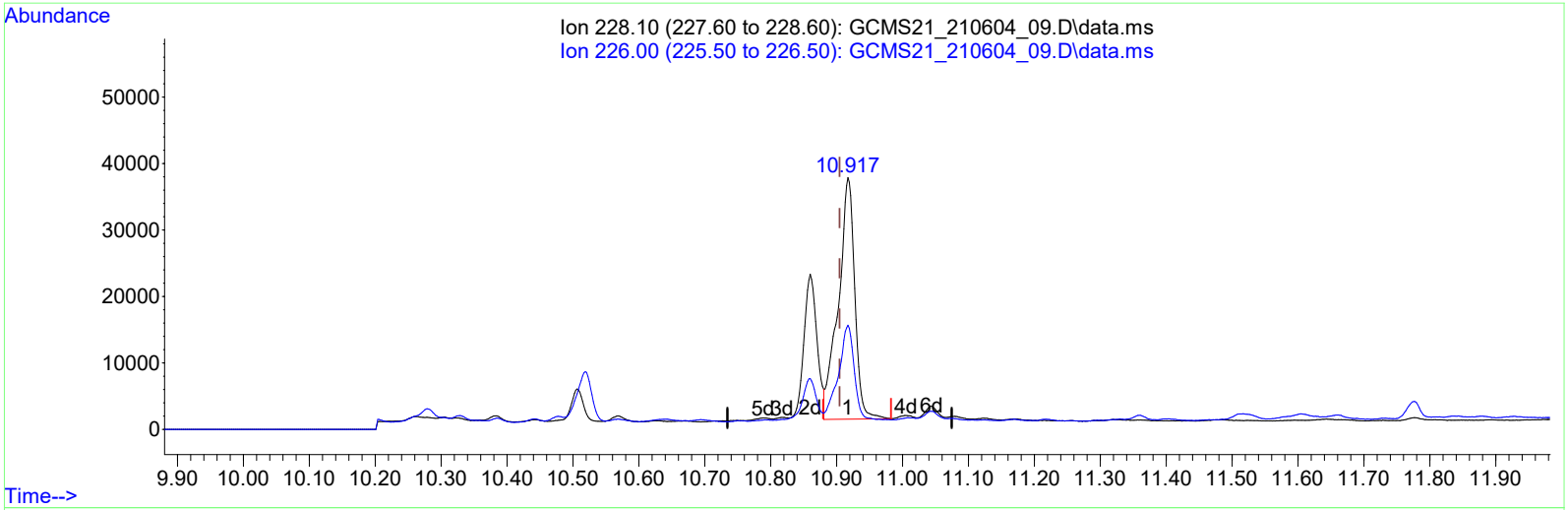
response 70867

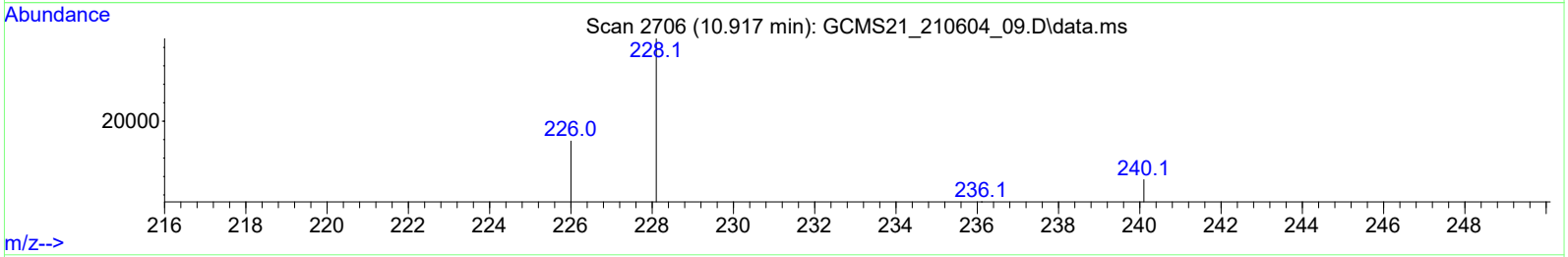
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.40	2.59
0.00	0.00	0.00
0.00	0.00	0.00

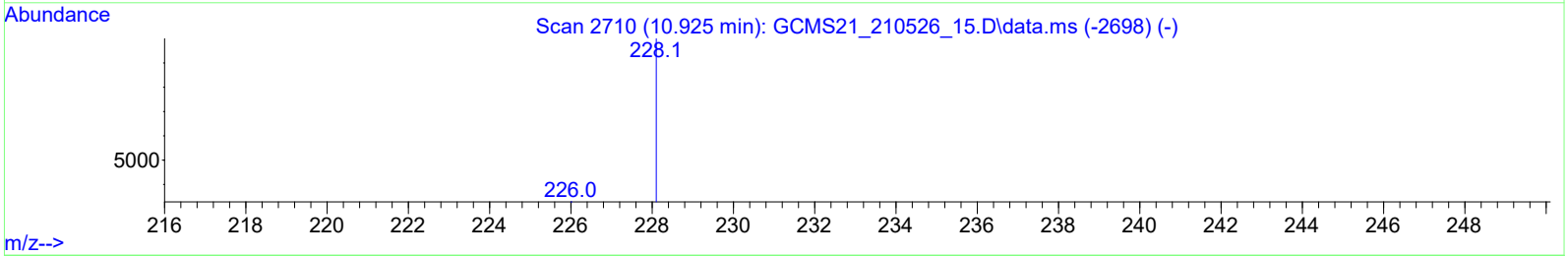
Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210604
... 006\
Data File : GCMS21_210604_09.D
Acq On : 04 Jun 2021 11:59 am
Operator : MN GCMS21
Sample : 2105001-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 12:02:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration







TIC: GCMS21_210604_09.D\data.ms

(20) Chrysene (M)

10.917min (+ 0.012) 38.08 ng/mL

response 63041

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	31.90	37.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_09.D
Acq On : 04 Jun 2021 11:59
Operator : MN GCMS21
Sample : 2105001-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 12:02:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

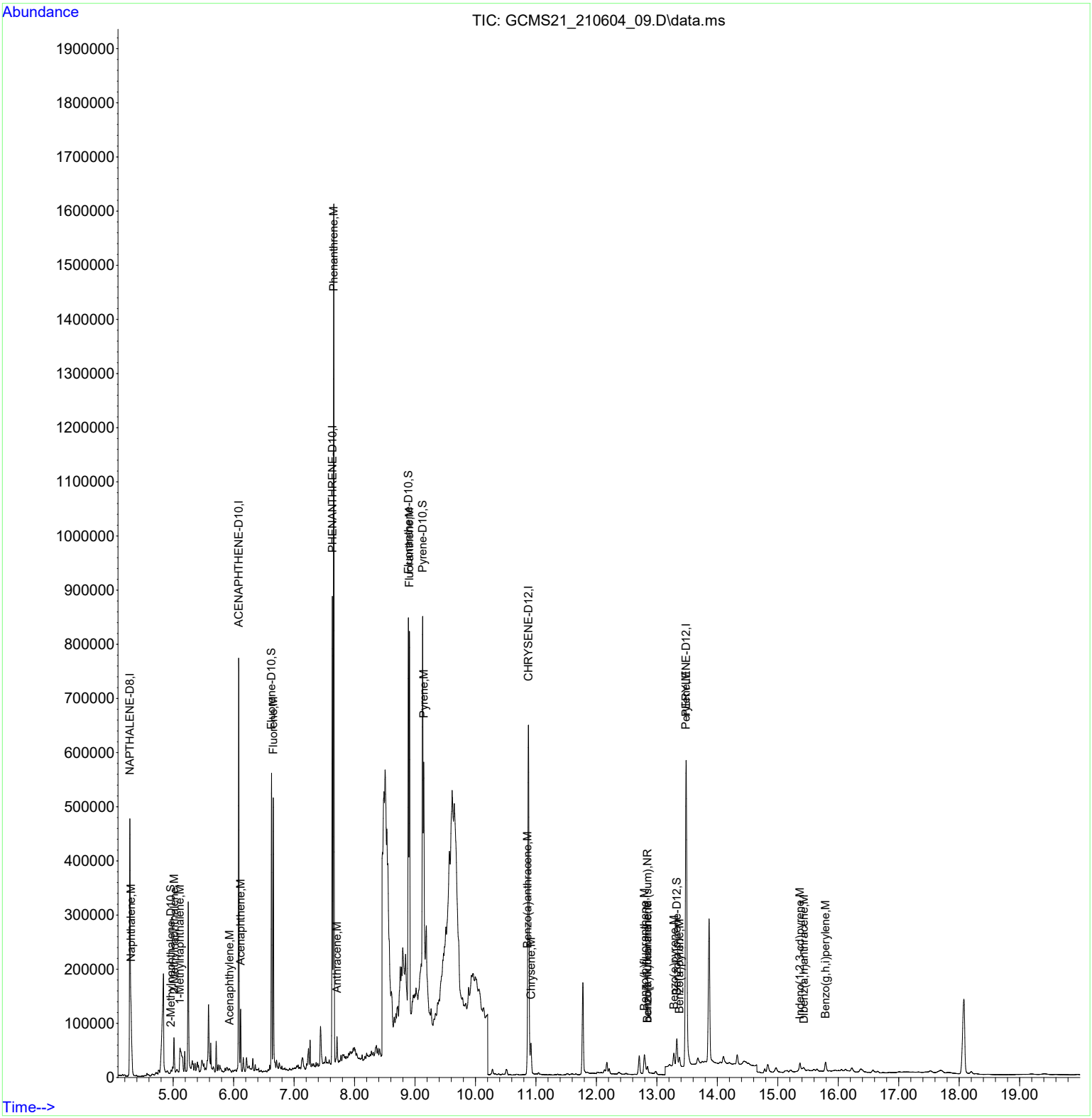
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.284	136	475557	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.086	164	291372	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.632	188	606150	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.876	240	666651	500.00	ng/mL	0.01
21) PERYLENE-D12	13.483	264	616773	500.00	ng/mL	0.02
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.961	152	1239	2.07	ng/mL	-0.02
9) Fluorene-D10	6.627	176	204410	293.03	ng/mL	0.00
14) Fluoranthene-D10	8.890	212	421152	320.88	ng/mL	0.00
17) Pyrene-D10	9.127	212	421270	276.97	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.331	264	59887	59.76	ng/mL	0.02
Target Compounds						Qvalue
2) Naphthalene	4.304	128	56658	62.09	ng/mL	93
4) 2-Methylnaphthalene	5.013	142	29420	43.78	ng/mL	93
5) 1-Methylnaphthalene	5.112	142	13988	24.99	ng/mL#	81
7) Acenaphthylene	5.932	152	4556	4.71	ng/mL#	41
8) Acenaphthene	6.116	153	34755	46.95	ng/mL	90
10) Fluorene	6.656	166	180537	220.34	ng/mL	99
12) Phenanthrene	7.657	178	964934	659.59	ng/mL	99
13) Anthracene	7.709	178	33447	27.50	ng/mL	75
15) Fluoranthene	8.908	202	429748	278.34	ng/mL	96
18) Pyrene	9.144	202	221010	124.39	ng/mL#	1
19) Benzo(a)anthracene	10.860	228	30024	22.39	ng/mL	97
20) Chrysene	10.917	228	63041	38.08	ng/mL	90
22) Benzo(b)fluoranthene	12.794	252	54272	42.39	ng/mL	96
23) Benzo(k)fluoranthene	12.844	252	17129	12.07	ng/mL	72
24) benzo(b+k)fluoranthene...	12.844	252	17093	12.29	ng/mL	71
25) Benzo(e)pyrene	13.282	252	27629	21.40	ng/mL#	67
27) Benzo(a)pyrene	13.372	252	20208	17.30	ng/mL	96
28) Perylene	13.480	252	8707	6.64	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.367	276	20653	20.66	ng/mL	91
30) Dibenz(a,h)anthracene	15.432	278	6589	6.61	ng/mL#	23
31) Benzo(g,h,i)perylene	15.789	276	20213	15.56	ng/mL	97

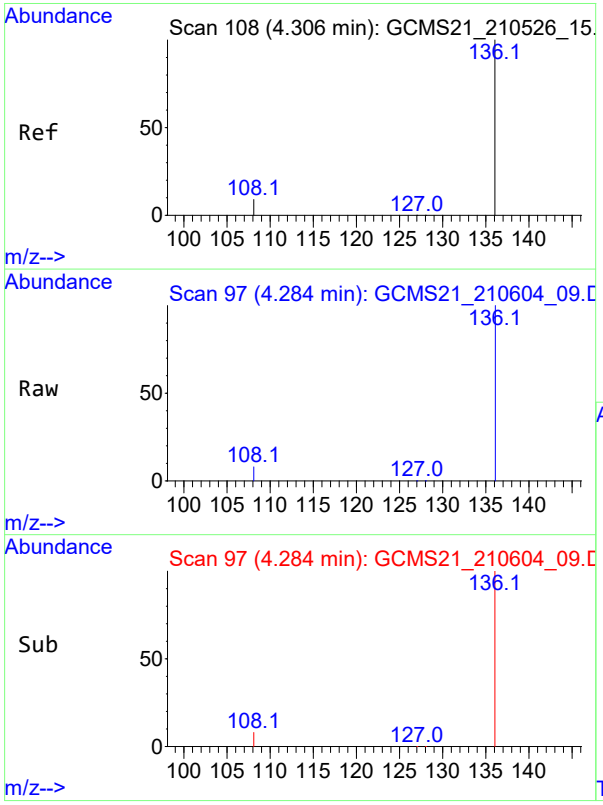
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_09.D
Acq On : 04 Jun 2021 11:59
Operator : MN GCMS21
Sample : 2105001-17
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 30 12:02:04 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

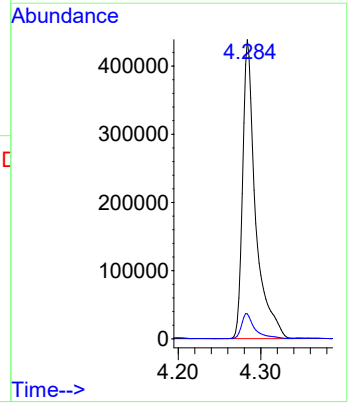


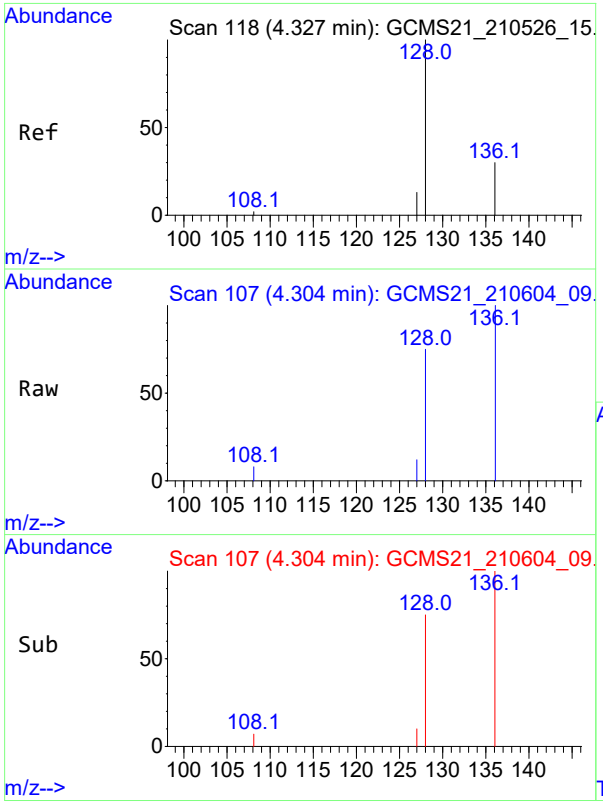


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.284 min Scan# 97
Delta R.T. -0.004 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:136 Resp: 475557

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.6

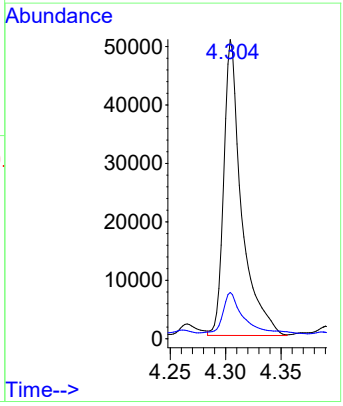


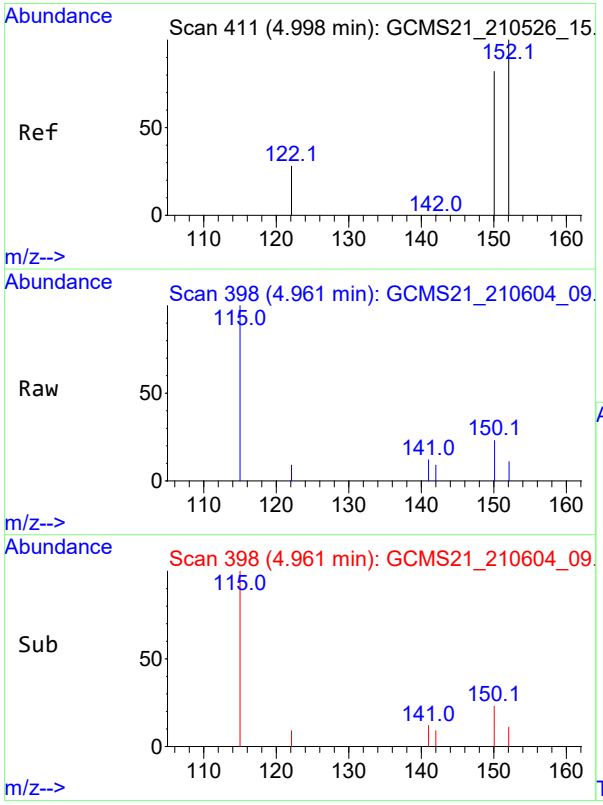


#2
Naphthalene
Concen: 62.09 ng/mL
RT: 4.304 min Scan# 107
Delta R.T. -0.004 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:128 Resp: 56658

Ion	Ratio	Lower	Upper
128	100		
127	16.3	0.0	43.4

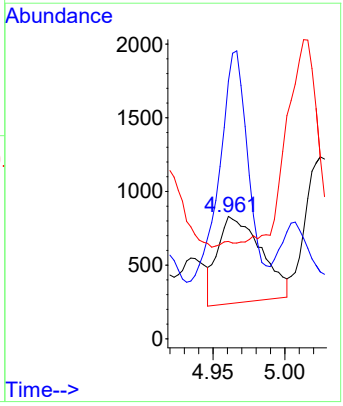


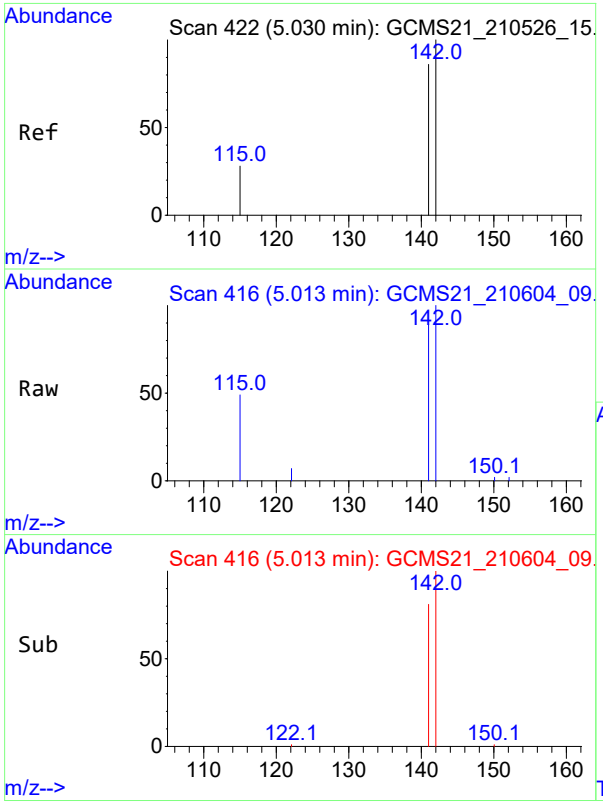


#3
2-Methylnaphthalene-D10
Concen: 2.07 ng/mL
RT: 4.961 min Scan# 398
Delta R.T. -0.020 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:152 Resp: 1239

Ion	Ratio	Lower	Upper
152	100		
150	191.1	52.3	112.3#
122	0.0	0.0	57.8

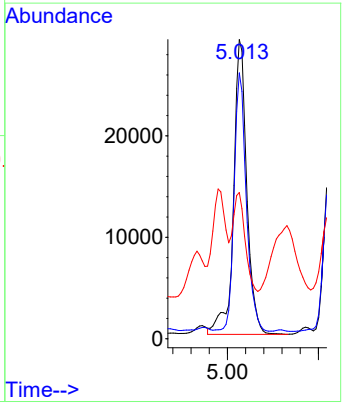


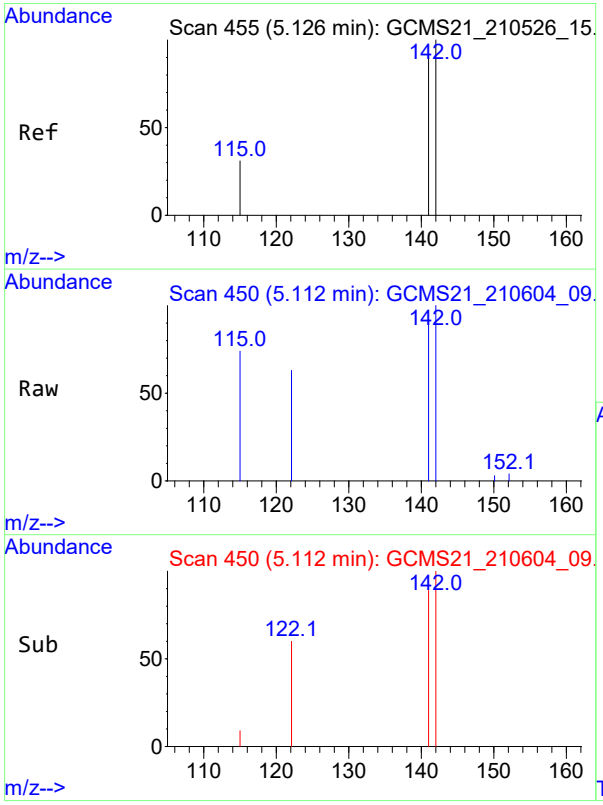


#4
2-Methylnaphthalene
Concen: 43.78 ng/mL
RT: 5.013 min Scan# 416
Delta R.T. -0.000 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:142 Resp: 29420

Ion	Ratio	Lower	Upper
142	100		
141	80.5	56.9	116.9
115	30.8	0.0	57.7

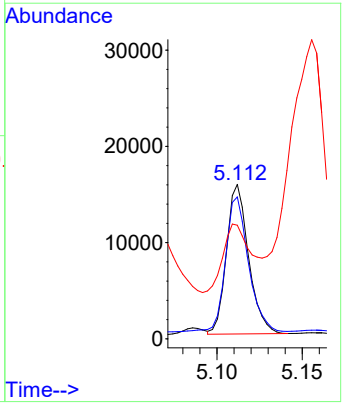


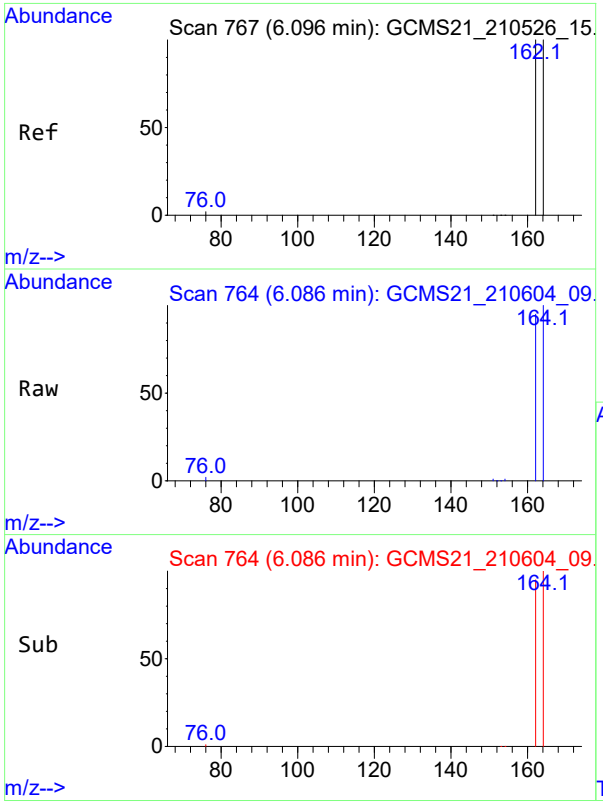


#5
1-Methylnaphthalene
Concen: 24.99 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:142 Resp: 13988

Ion	Ratio	Lower	Upper
142	100		
141	93.6	57.9	117.9
115	59.6	0.0	57.0#

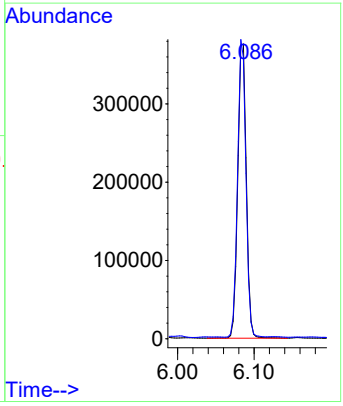


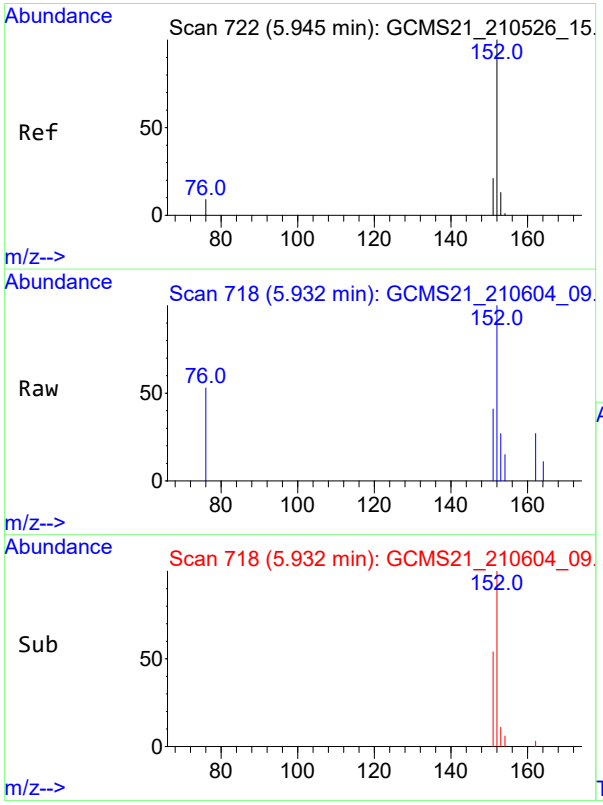


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.086 min Scan# 764
Delta R.T. 0.007 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:164 Resp: 291372

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.0	121.0

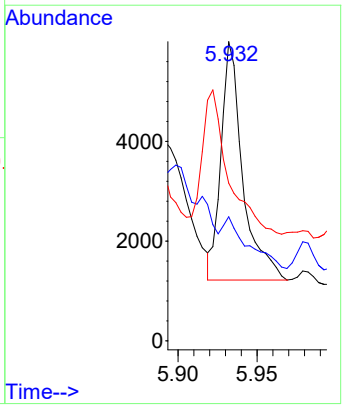


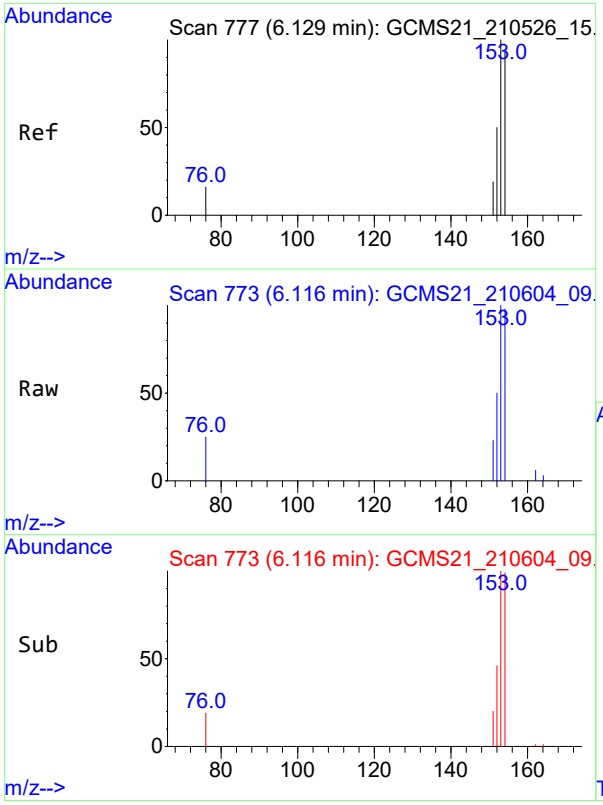


#7
Acenaphthylene
Concen: 4.71 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:152 Resp: 4556

Ion	Ratio	Lower	Upper
152	100		
151	25.0	0.0	51.0
76	73.5	0.0	38.6#

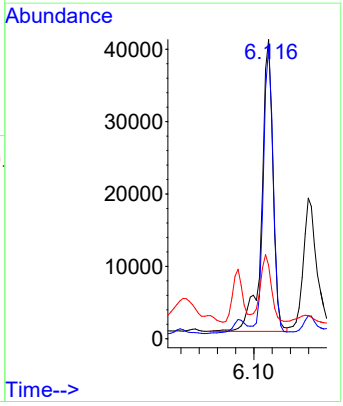


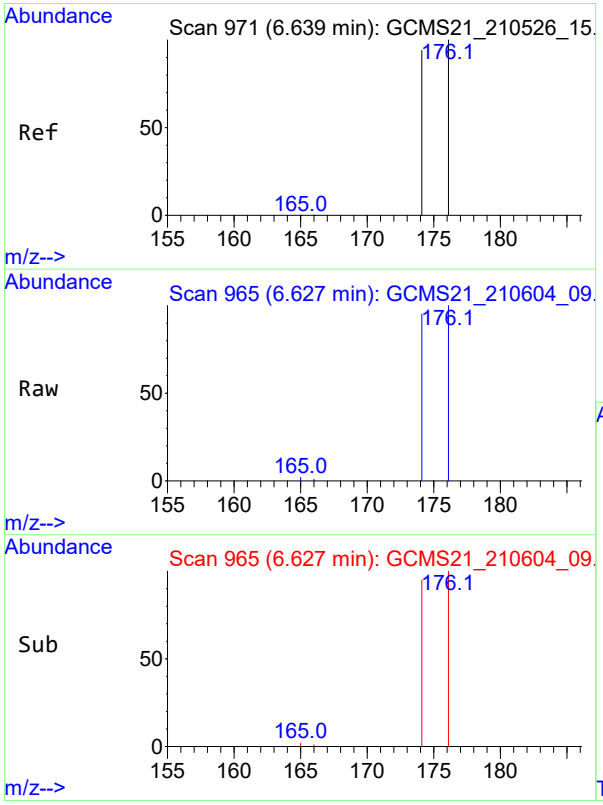


#8
Acenaphthene
Concen: 46.95 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:153 Resp: 34755

Ion	Ratio	Lower	Upper
153	100		
154	85.4	63.7	123.7
76	23.6	0.0	45.2

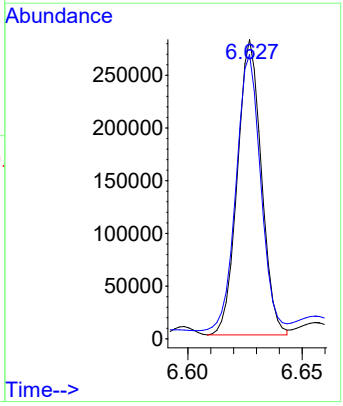


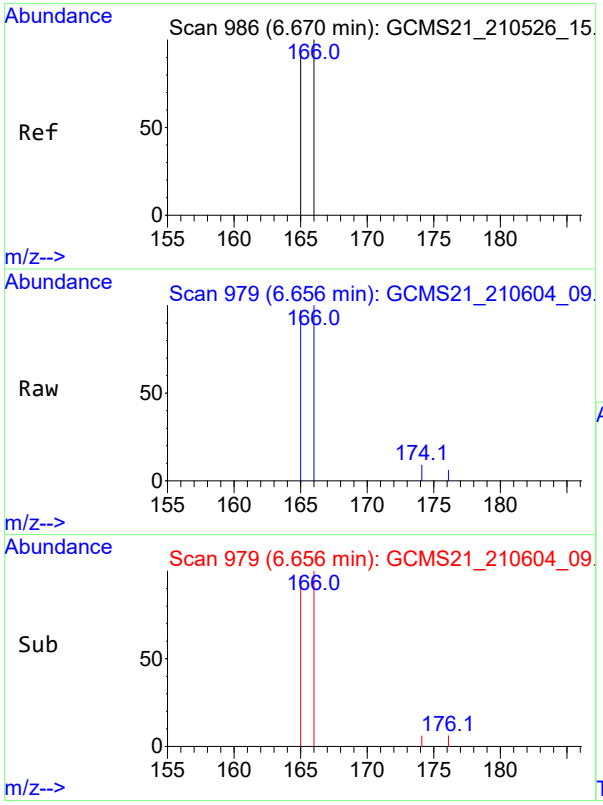


#9
Fluorene-D10
Concen: 293.03 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. 0.004 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:176 Resp: 204410

Ion	Ratio	Lower	Upper
176	100		
174	95.4	63.9	123.9

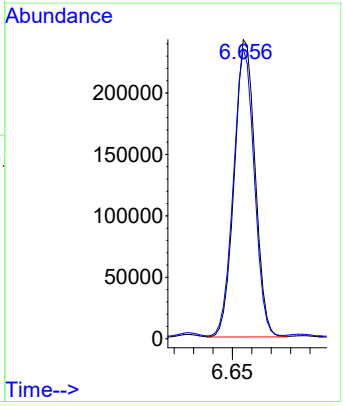


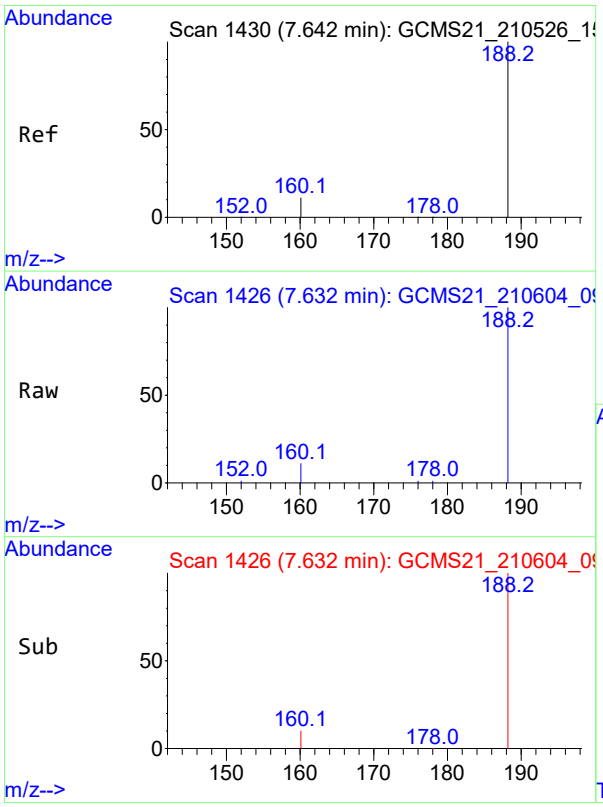


#10
Fluorene
Concen: 220.34 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. 0.004 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:166 Resp: 180537

Ion	Ratio	Lower	Upper
166	100		
165	96.3	65.1	125.1

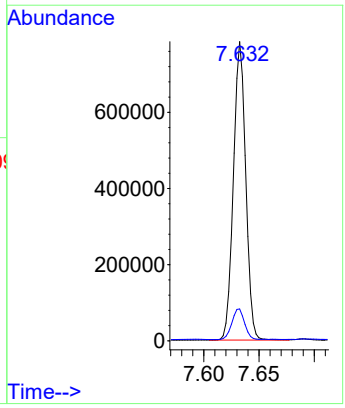


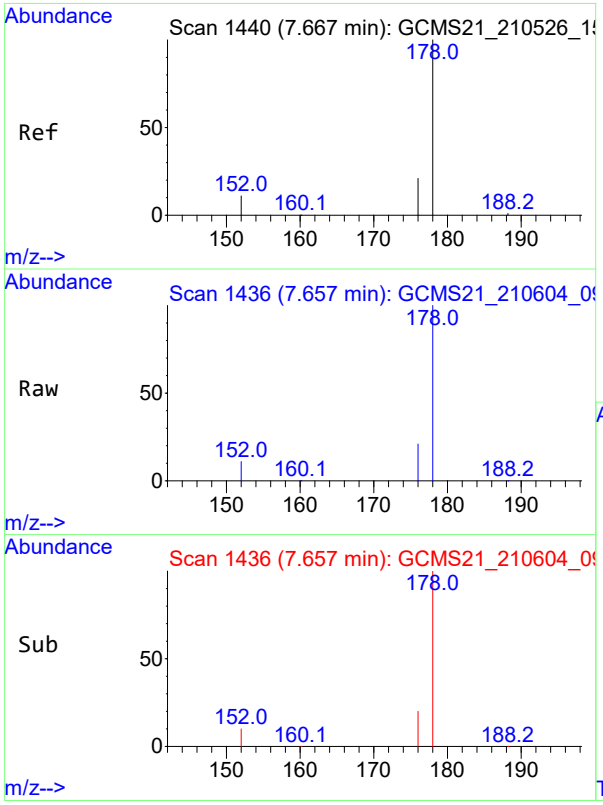


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.632 min Scan# 1426
Delta R.T. 0.005 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:188 Resp: 606150

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	41.1

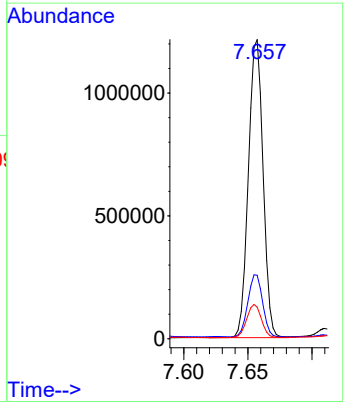


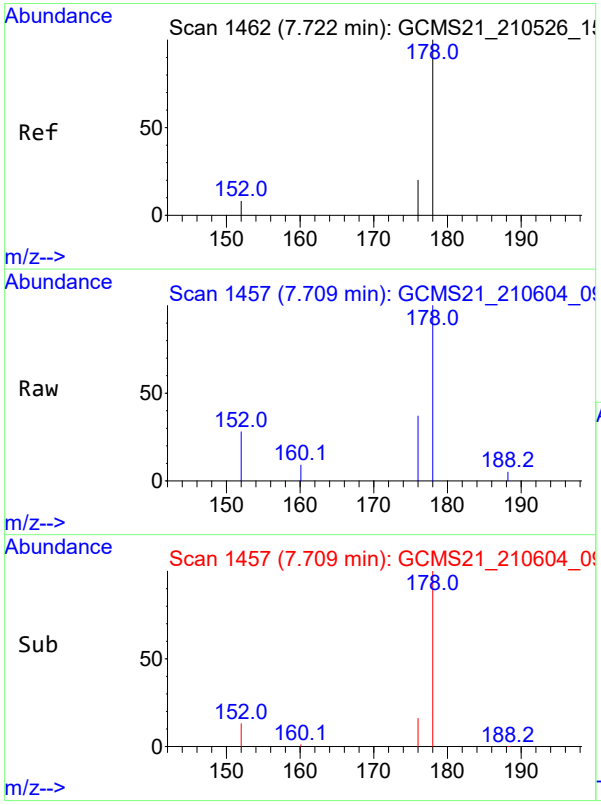


#12
Phenanthrene
Concen: 659.59 ng/mL
RT: 7.657 min Scan# 1436
Delta R.T. 0.007 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:178 Resp: 964934

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	11.1	0.0	40.5

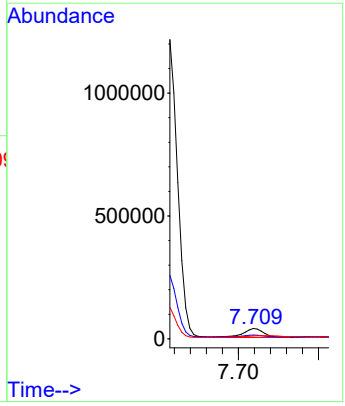


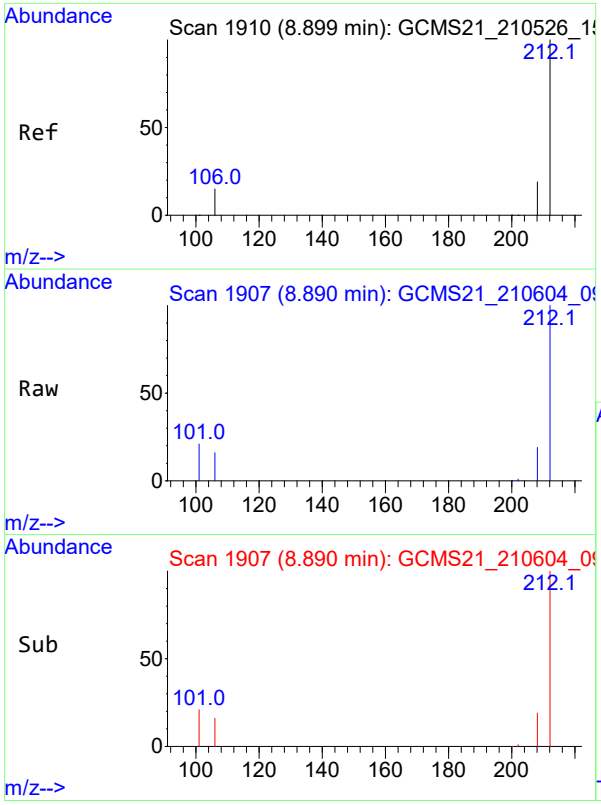


#13
Anthracene
Concen: 27.50 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:178 Resp: 33447

Ion	Ratio	Lower	Upper
178	100		
176	17.7	0.0	50.0
152	34.8	0.0	38.2

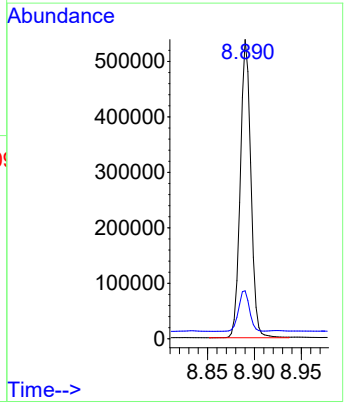


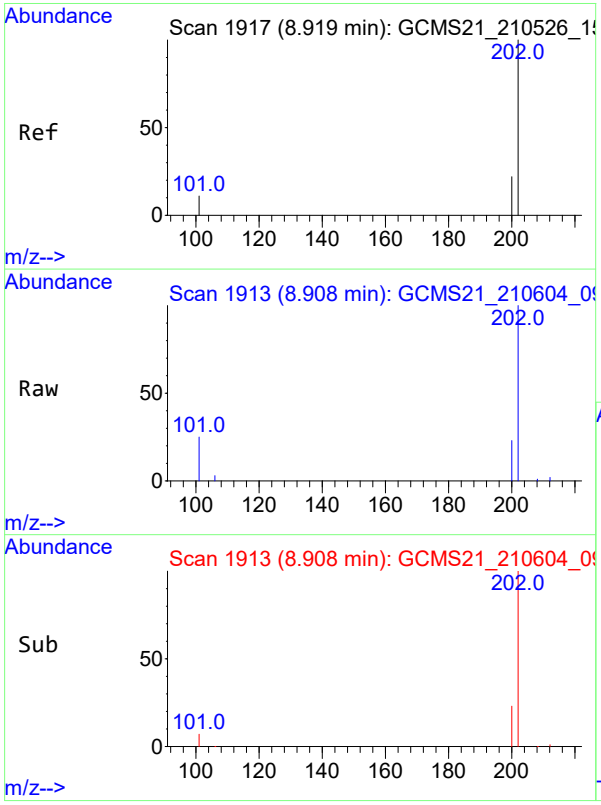


#14
Fluoranthene-D10
Concen: 320.88 ng/mL
RT: 8.890 min Scan# 1907
Delta R.T. 0.009 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:212 Resp: 421152

Ion	Ratio	Lower	Upper
212	100		
106	14.1	0.0	43.1

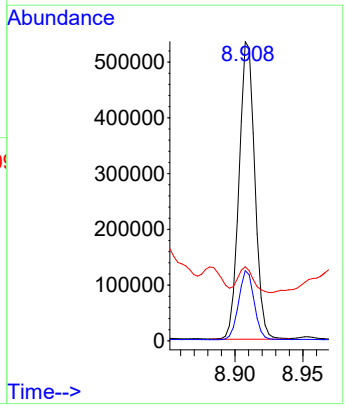


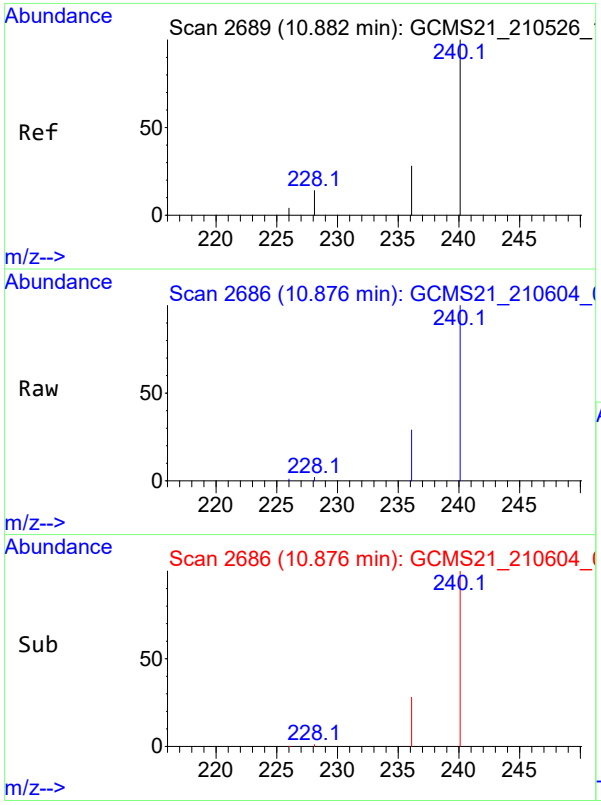


#15
Fluoranthene
Concen: 278.34 ng/mL
RT: 8.908 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:202 Resp: 429748

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.3
101	8.2	0.0	41.8

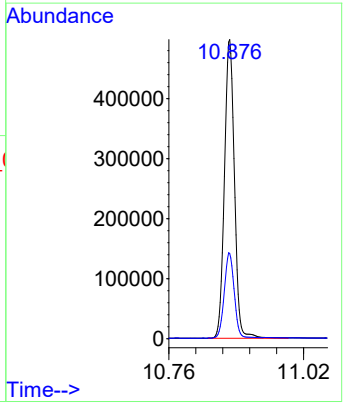


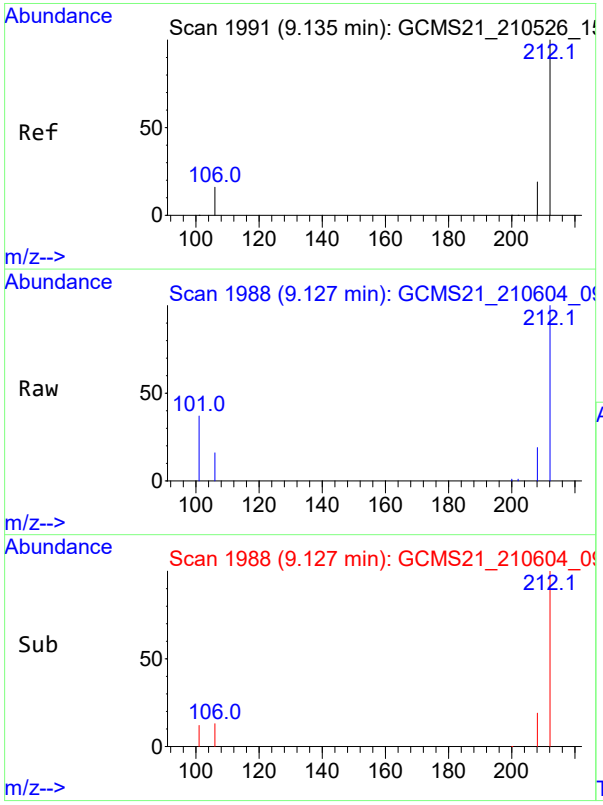


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.876 min Scan# 2686
Delta R.T. 0.014 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:240 Resp: 666651

Ion	Ratio	Lower	Upper
240	100		
236	28.3	0.0	58.5

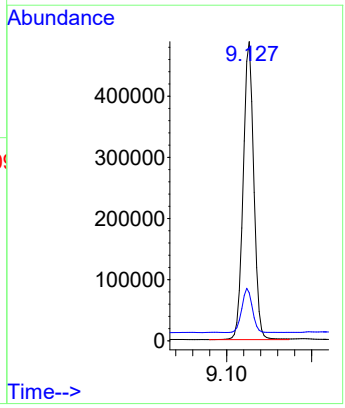


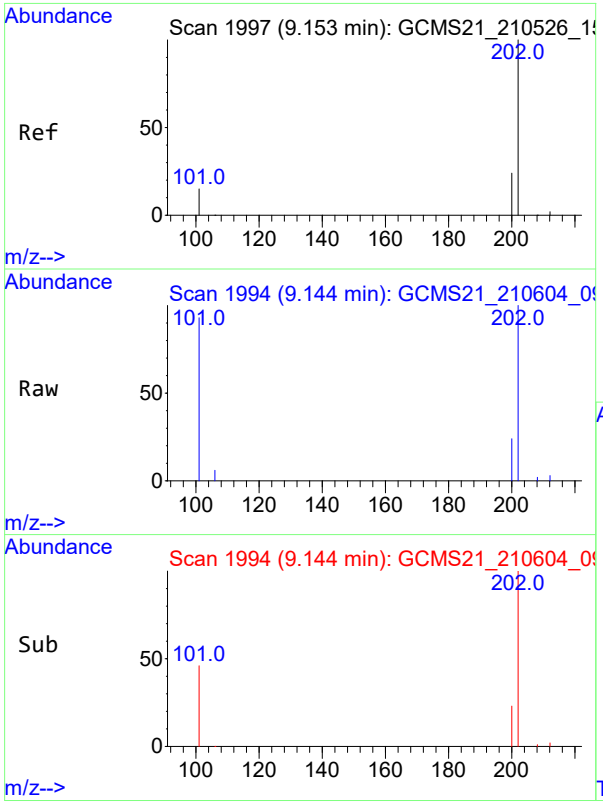


#17
Pyrene-D10
Concen: 276.97 ng/mL
RT: 9.127 min Scan# 1988
Delta R.T. 0.006 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:212 Resp: 421270

Ion	Ratio	Lower	Upper
212	100		
106	14.7	0.0	46.3

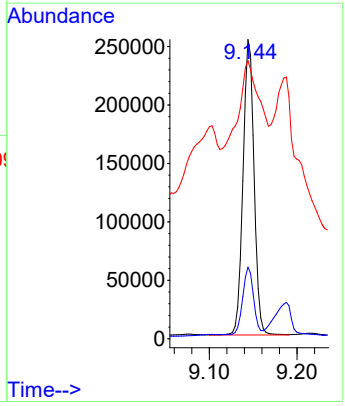


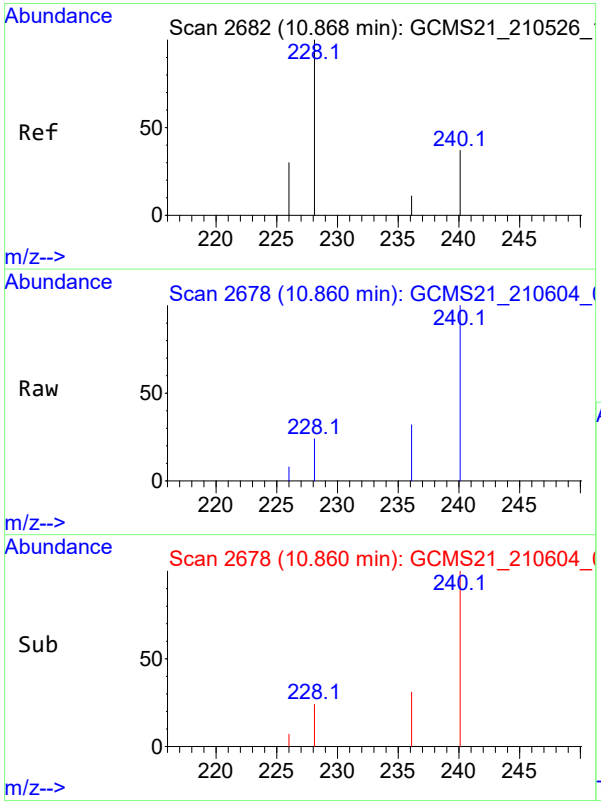


#18
Pyrene
Concen: 124.39 ng/mL
RT: 9.144 min Scan# 1994
Delta R.T. 0.004 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:202 Resp: 221010

Ion	Ratio	Lower	Upper
202	100		
200	24.2	0.0	53.3
101	155.3	0.0	43.2#

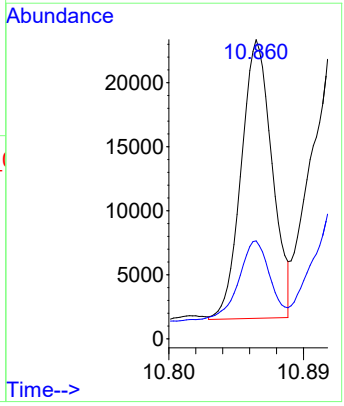


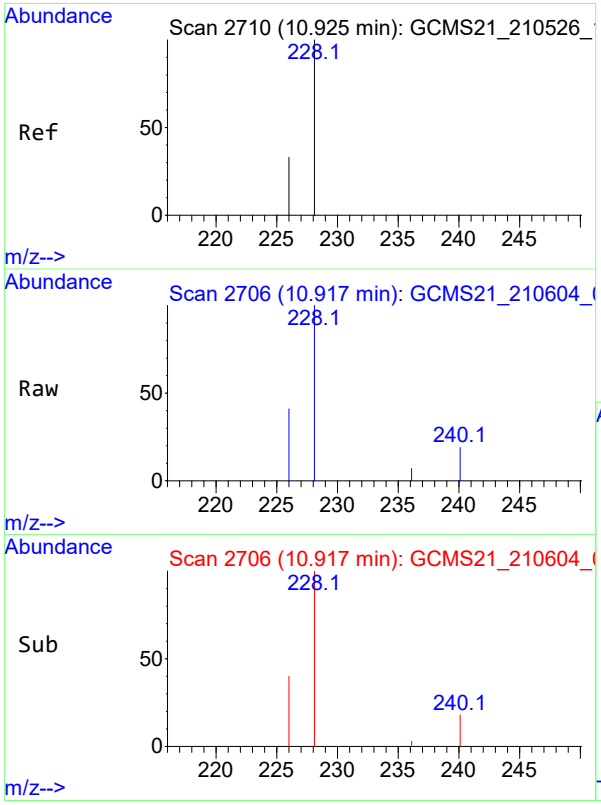


#19
Benzo(a)anthracene
Concen: 22.39 ng/mL
RT: 10.860 min Scan# 2678
Delta R.T. 0.012 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:228 Resp: 30024

Ion	Ratio	Lower	Upper
228	100		
226	31.0	0.0	59.2

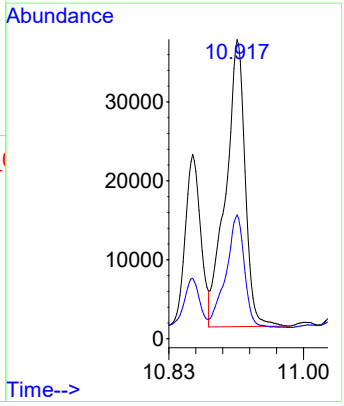


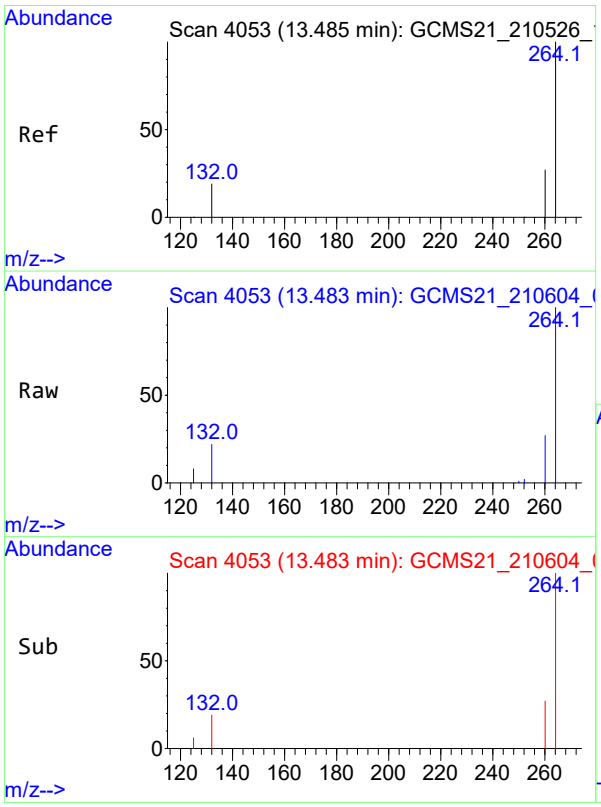


#20
Chrysene
Concen: 38.08 ng/mL
RT: 10.917 min Scan# 2706
Delta R.T. 0.012 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:228 Resp: 63041

Ion	Ratio	Lower	Upper
228	100		
226	37.3	1.9	61.9

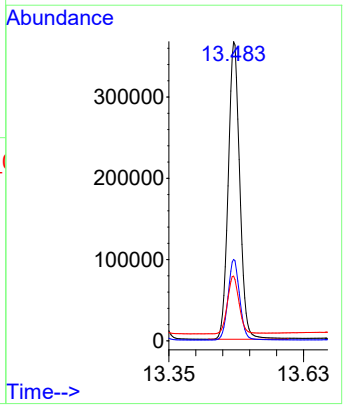


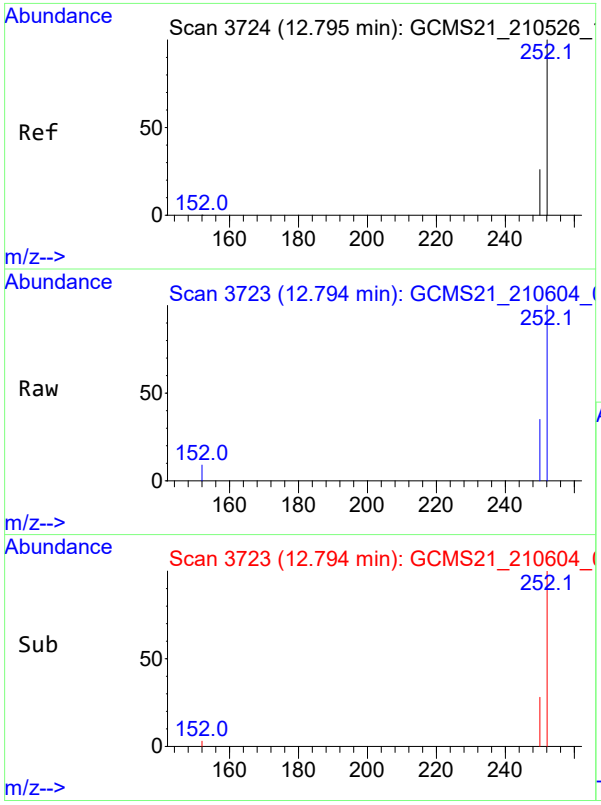


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.483 min Scan# 4053
Delta R.T. 0.022 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:264 Resp: 616773

Ion	Ratio	Lower	Upper
264	100		
260	27.3	0.0	57.7
132	19.5	0.0	49.0

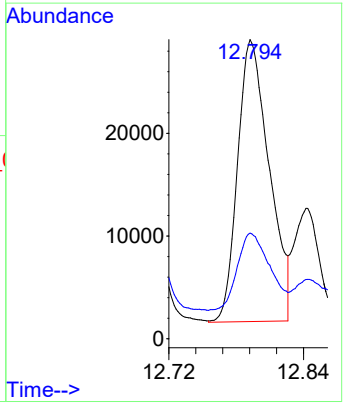


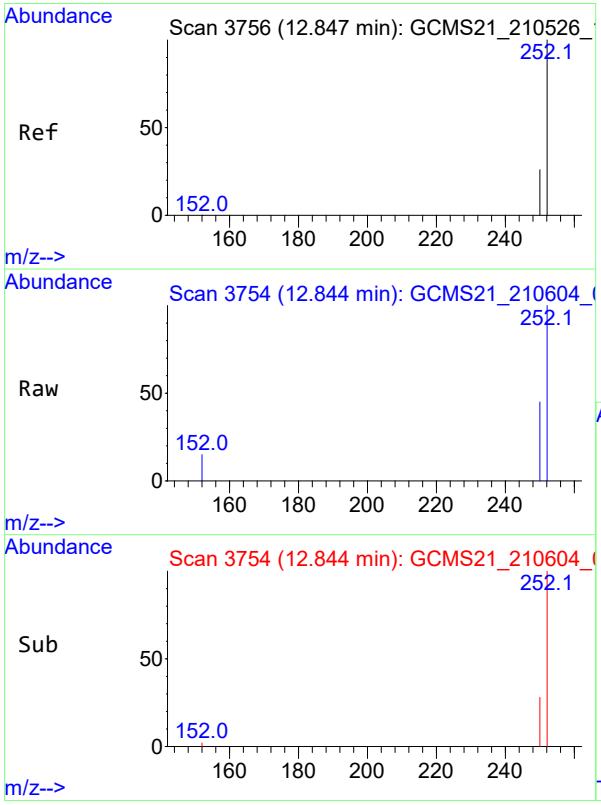


#22
Benzo(b)fluoranthene
Concen: 42.39 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. 0.021 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 54272

Ion	Ratio	Lower	Upper
252	100		
250	28.2	0.0	56.1

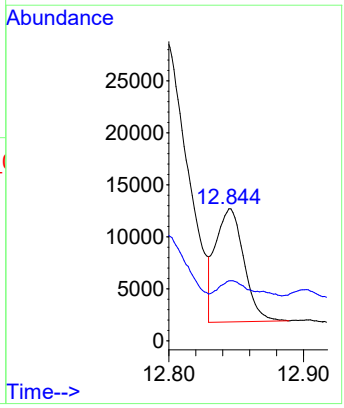


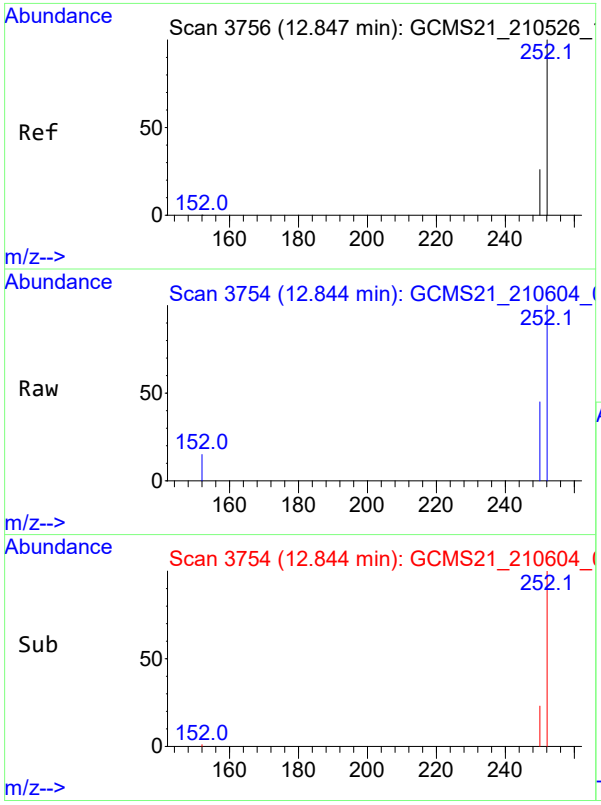


#23
Benzo(k)fluoranthene
Concen: 12.07 ng/mL
RT: 12.844 min Scan# 3754
Delta R.T. 0.021 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 17129

Ion	Ratio	Lower	Upper
252	100		
250	11.3	0.0	55.4

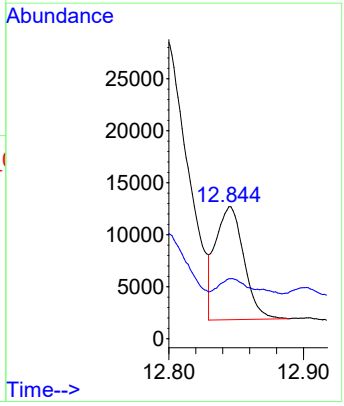


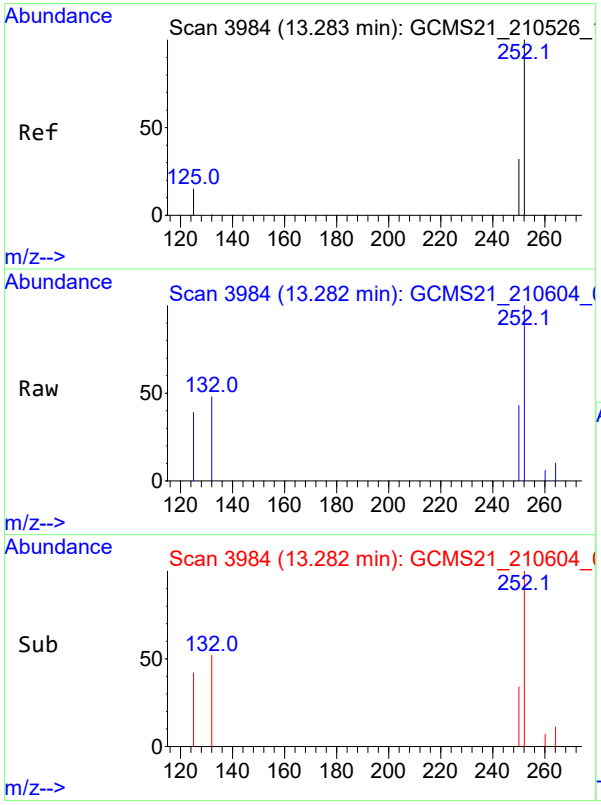


#24
benzo(b+k)fluoranthene (sum)
Concen: 12.29 ng/mL
RT: 12.844 min Scan# 3754
Delta R.T. 0.021 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 17093

Ion	Ratio	Lower	Upper
252	100		
250	10.7	0.0	55.4

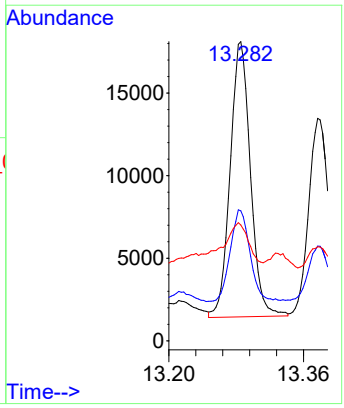


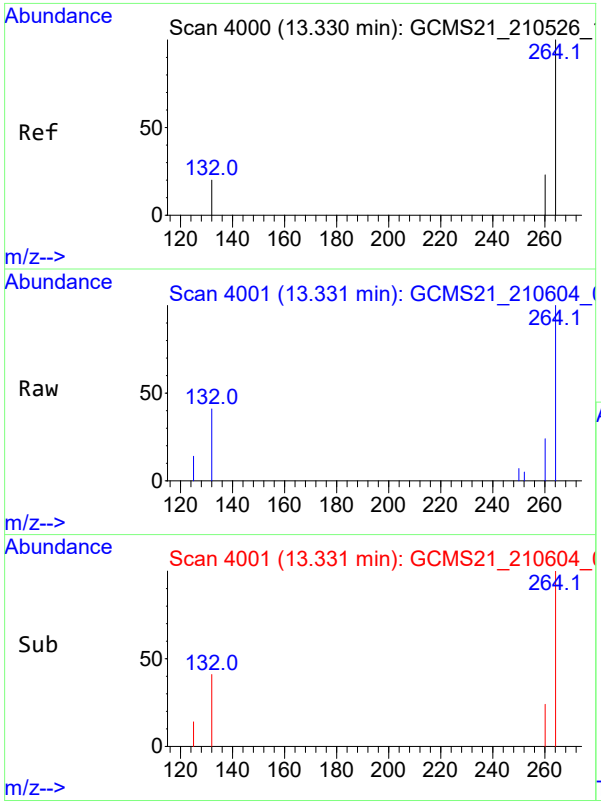


#25
Benzo(e)pyrene
Concen: 21.40 ng/mL
RT: 13.282 min Scan# 3984
Delta R.T. 0.022 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 27629

Ion	Ratio	Lower	Upper
252	100		
250	34.2	2.1	62.1
125	54.9	0.0	45.8#

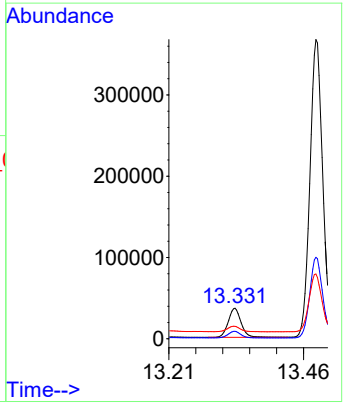


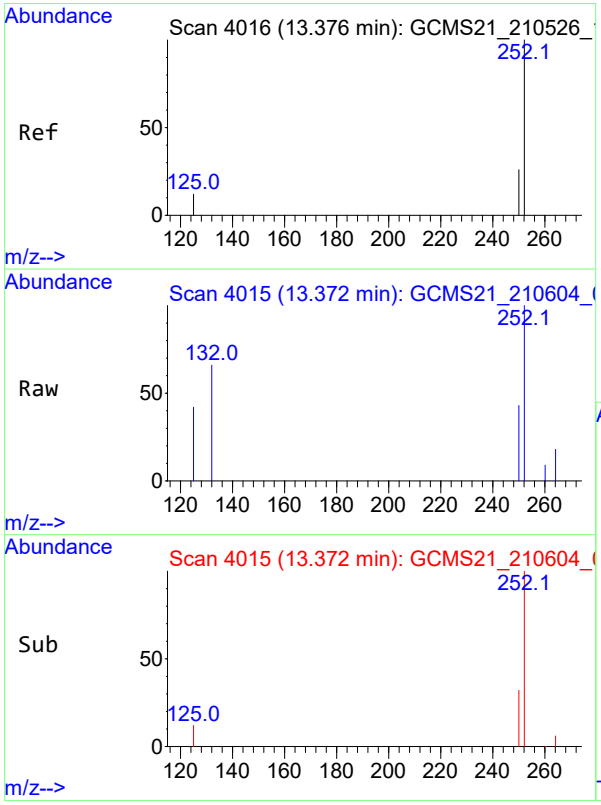


#26
Benzo(a)pyrene-D12
Concen: 59.76 ng/mL
RT: 13.331 min Scan# 4001
Delta R.T. 0.019 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:264 Resp: 59887

Ion	Ratio	Lower	Upper
264	100		
260	22.4	0.0	52.9
132	19.9	0.0	48.4

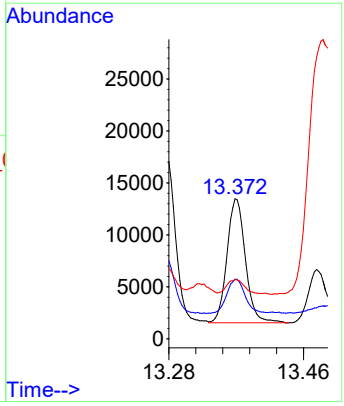


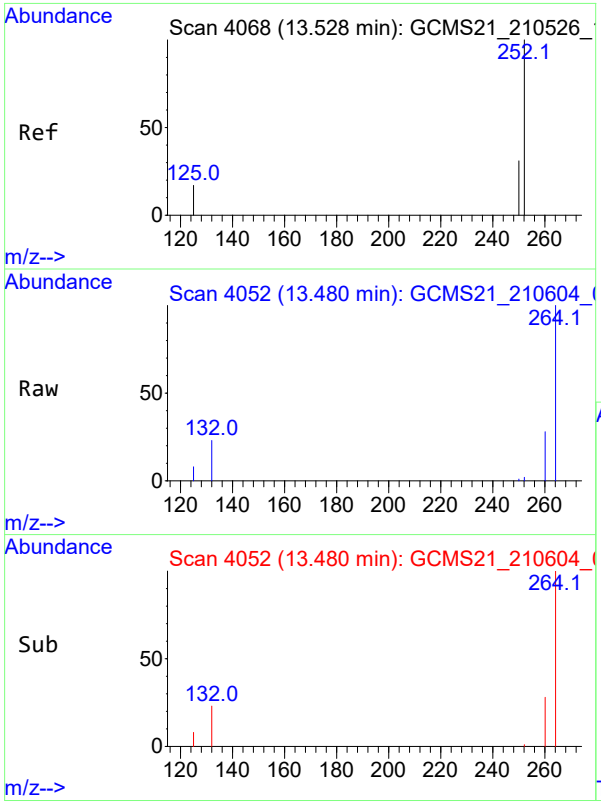


#27
Benzo(a)pyrene
Concen: 17.30 ng/mL
RT: 13.372 min Scan# 4015
Delta R.T. 0.022 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 20208

Ion	Ratio	Lower	Upper
252	100		
250	28.8	0.0	56.7
125	10.1	0.0	42.1

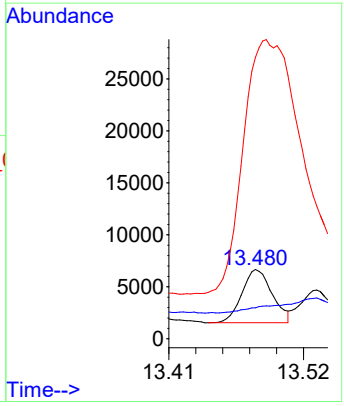


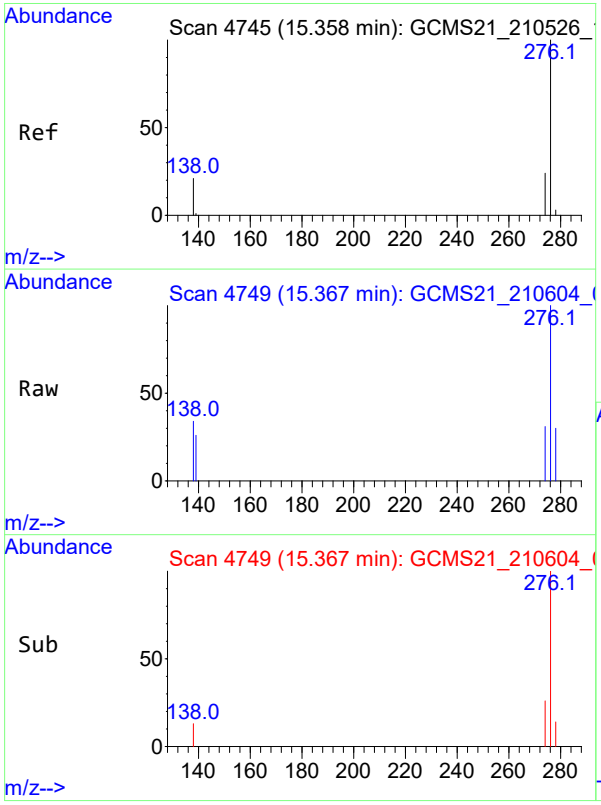


#28
Perylene
Concen: 6.64 ng/mL
RT: 13.480 min Scan# 4052
Delta R.T. -0.025 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:252 Resp: 8707

Ion	Ratio	Lower	Upper
252	100		
250	0.0	1.2	61.2#
125	1252.8	0.0	46.5#

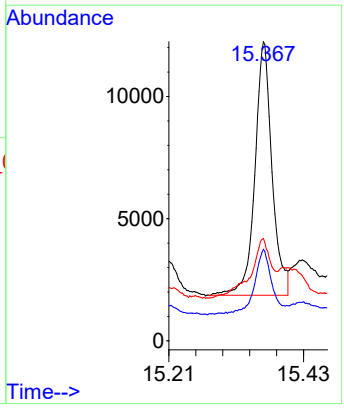


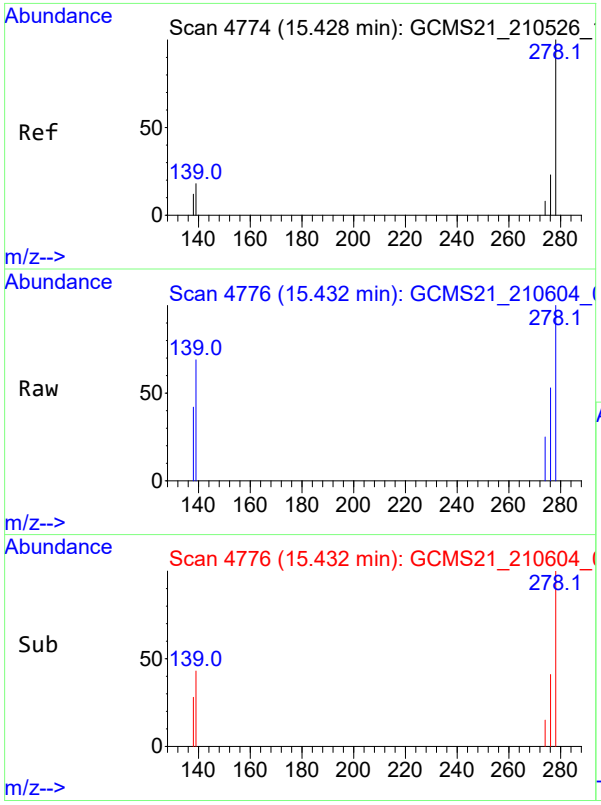


#29
Indeno(1,2,3-cd)pyrene
Concen: 20.66 ng/mL
RT: 15.367 min Scan# 4749
Delta R.T. 0.035 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:276 Resp: 20653

Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	53.5
138	28.4	0.0	50.6

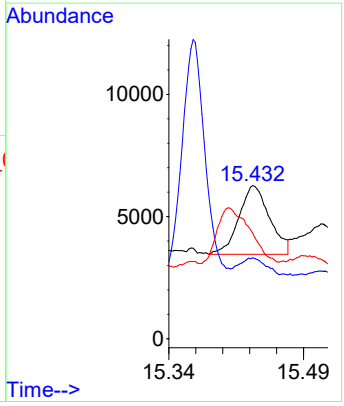


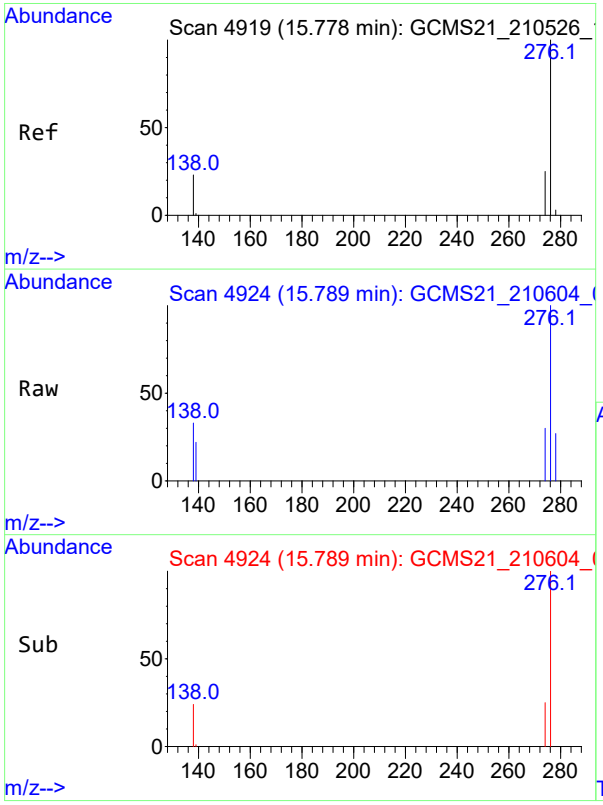


#30
Dibenz(a,h)anthracene
Concen: 6.61 ng/mL
RT: 15.432 min Scan# 4776
Delta R.T. 0.028 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:278 Resp: 6589

Ion	Ratio	Lower	Upper
278	100		
276	25.1	0.0	58.7
139	101.5	0.0	47.2#

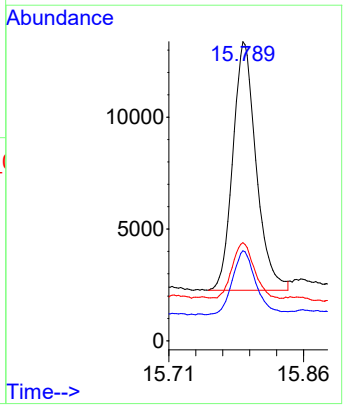




#31
Benzo(g,h,i)perylene
Concen: 15.56 ng/mL
RT: 15.789 min Scan# 4924
Delta R.T. 0.032 min
Lab File: GCMS21_210604_09.D
Acq: 04 Jun 2021 11:59

Tgt Ion:276 Resp: 20213

Ion	Ratio	Lower	Upper
276	100		
274	26.1	0.0	54.2
138	21.1	0.0	52.4



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_12.D
Acq On : 04 Jun 2021 13:14
Operator : MN GCMS21
Sample : 2105001-02RE1
Misc : 100µL+400µL 21D3002 (5X)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 30 12:02:39 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.288	136	459207	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	276860	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.630	188	582913	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.870	240	597758	500.00	ng/mL	0.00
21) PERYLENE-D12	13.476	264	615182	500.00	ng/mL	0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.627	176	53860	81.26	ng/mL	0.00
14) Fluoranthene-D10	8.887	212	77100	61.08	ng/mL	0.00
17) Pyrene-D10	9.124	212	91243	66.90	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.324	264	7762	7.77	ng/mL	0.01
Target Compounds						Qvalue
2) Naphthalene	4.308	128	32628	37.03	ng/mL	99
4) 2-Methylnaphthalene	5.016	142	35494	54.70	ng/mL	99
5) 1-Methylnaphthalene	5.112	142	16841	31.16	ng/mL	95
7) Acenaphthylene	5.932	152	4376	4.76	ng/mL	83
8) Acenaphthene	6.116	153	43895	62.41	ng/mL	97
10) Fluorene	6.656	166	148186	190.33	ng/mL	97
12) Phenanthrene	7.655	178	889308	632.13	ng/mL	99
13) Anthracene	7.709	178	58363	49.89	ng/mL	85
15) Fluoranthene	8.908	202	414317	279.04	ng/mL	99
18) Pyrene	9.141	202	236667	148.55	ng/mL#	54
19) Benzo(a)anthracene	10.854	228	46267	38.48	ng/mL	90
20) Chrysene	10.911	228	74647	50.29	ng/mL	96
22) Benzo(b)fluoranthene	12.789	252	66367	51.97	ng/mL	94
23) Benzo(k)fluoranthene	12.836	252	22487	15.89	ng/mL	89
24) benzo(b+k)fluoranthene...	12.789	252	88941m	64.10	ng/mL	
25) Benzo(e)pyrene	13.271	252	44181	34.30	ng/mL	89
27) Benzo(a)pyrene	13.365	252	37711	32.36	ng/mL	98
28) Perylene	13.520	252	9060	6.92	ng/mL#	84
29) Indeno(1,2,3-cd)pyrene	15.358	276	25387	25.46	ng/mL	98
30) Dibenz(a,h)anthracene	15.421	278	9123	9.18	ng/mL	81
31) Benzo(g,h,i)perylene	15.780	276	32675	25.22	ng/mL	98

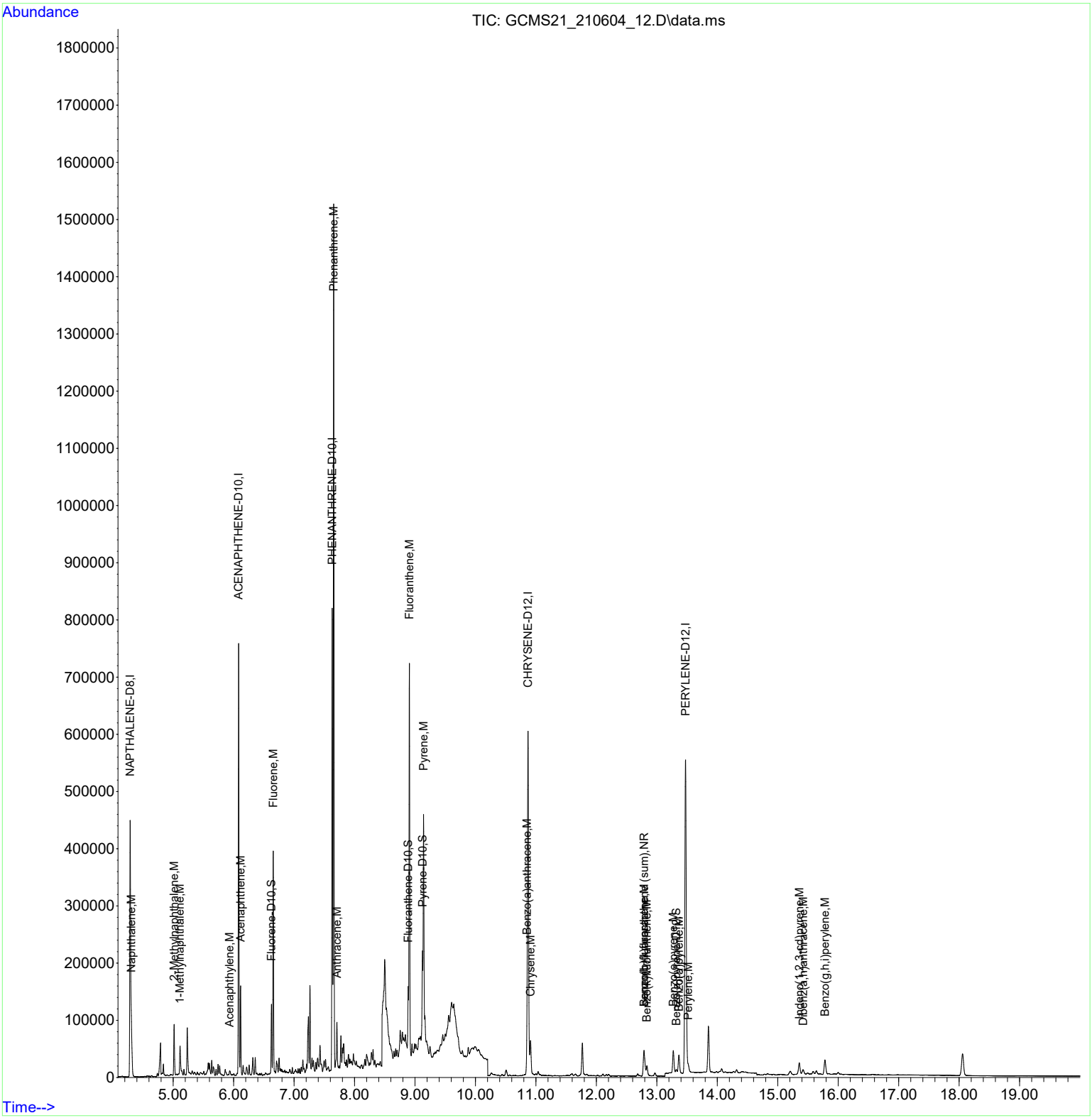
Only Phenanthrene and Fluoranthene were reported form this run. MN 07.01.2021

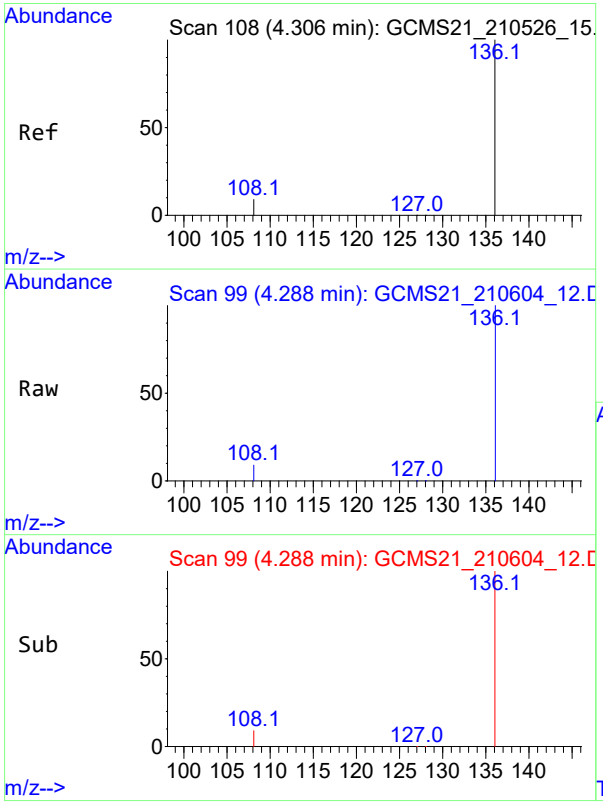
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_12.D
Acq On : 04 Jun 2021 13:14
Operator : MN GCMS21
Sample : 2105001-02RE1
Misc : 100µL+400µL 21D3002 (5X)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 30 12:02:39 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

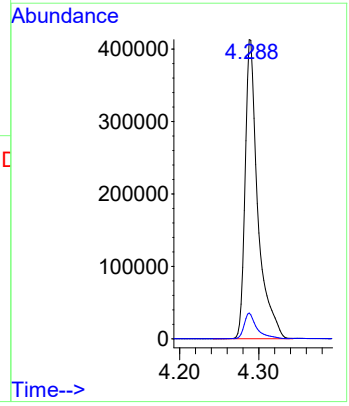


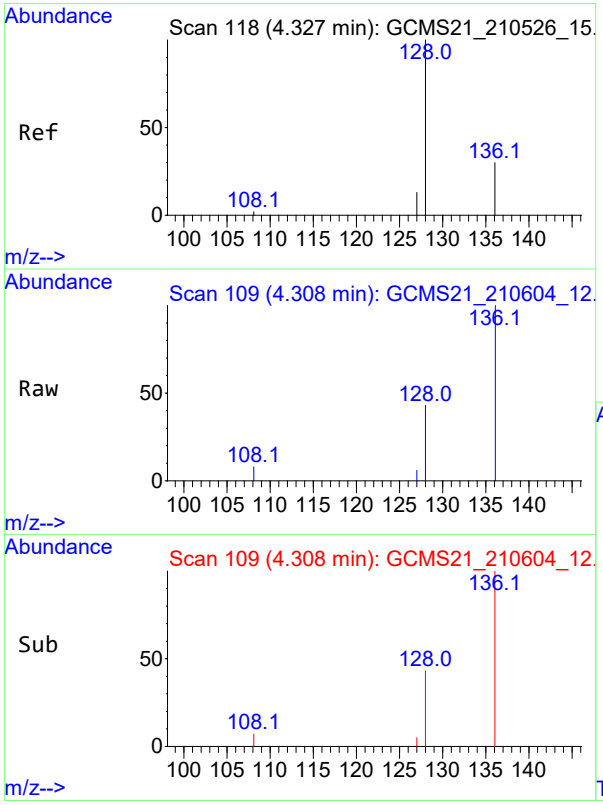


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.288 min Scan# 99
Delta R.T. -0.018 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:136 Resp: 459207

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	29.0

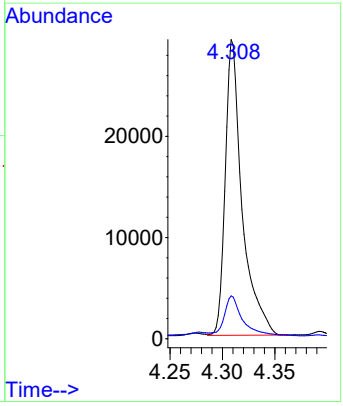


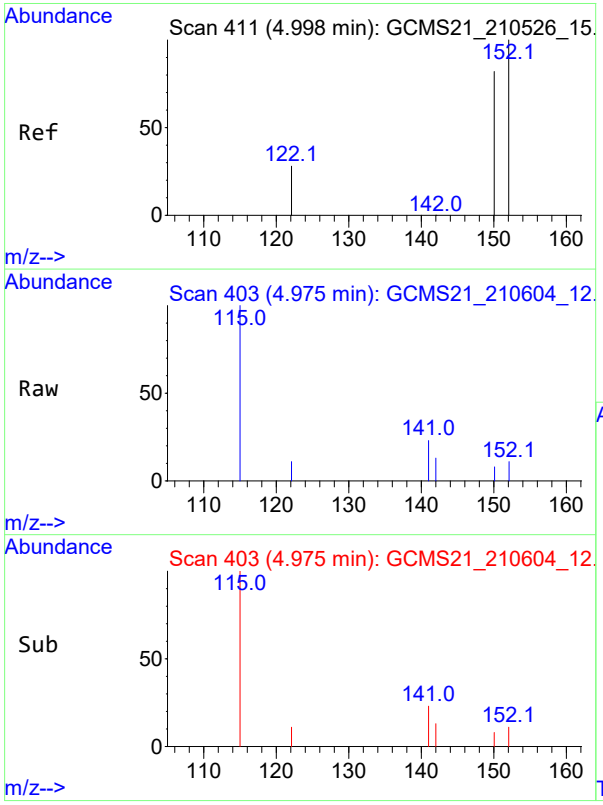


#2
Naphthalene
Concen: 37.05 ng/mL
RT: 4.308 min Scan# 109
Delta R.T. -0.019 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:128 Resp: 32641

Ion	Ratio	Lower	Upper
128	100		
127	13.7	0.0	43.4

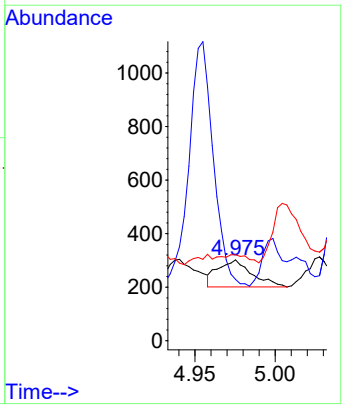


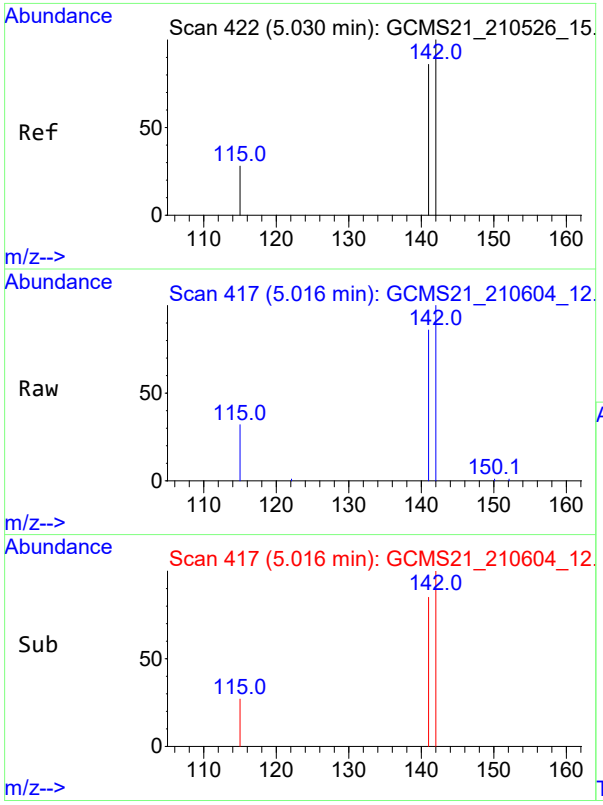


#3
2-Methylnaphthalene-D10
Concen: 0.26 ng/mL
RT: 4.975 min Scan# 403
Delta R.T. -0.023 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:152 Resp: 148

Ion	Ratio	Lower	Upper
152	100		
150	101.4	52.1	112.1
122	181.1	0.0	58.7#

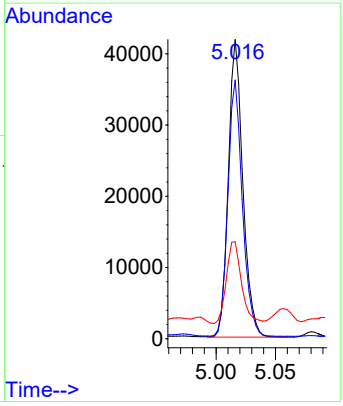


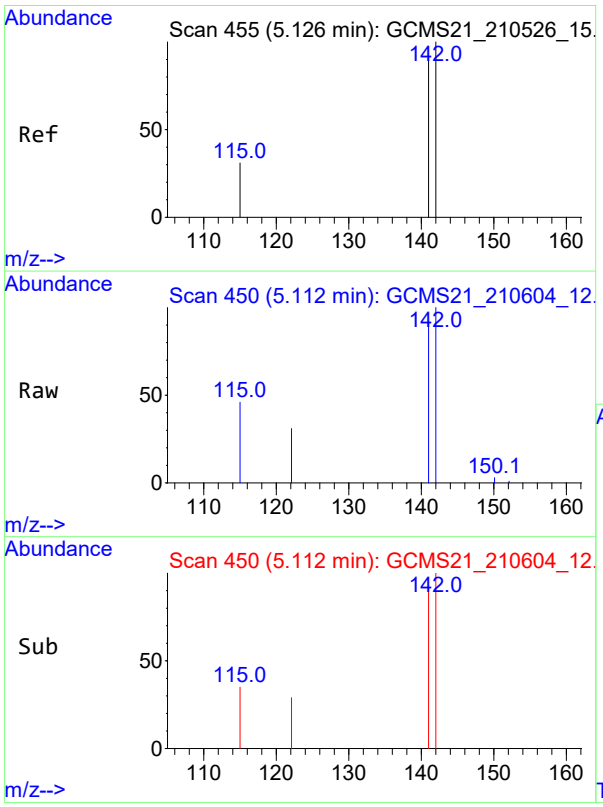


#4
2-Methylnaphthalene
Concen: 54.70 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. -0.014 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:142 Resp: 35494

Ion	Ratio	Lower	Upper
142	100		
141	86.2	56.5	116.5
115	28.7	0.0	59.3

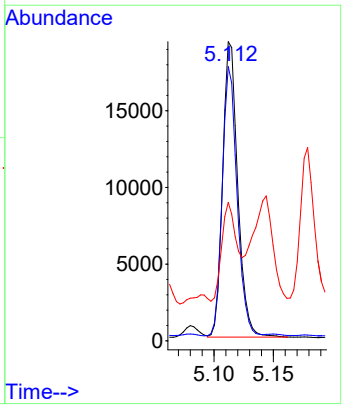


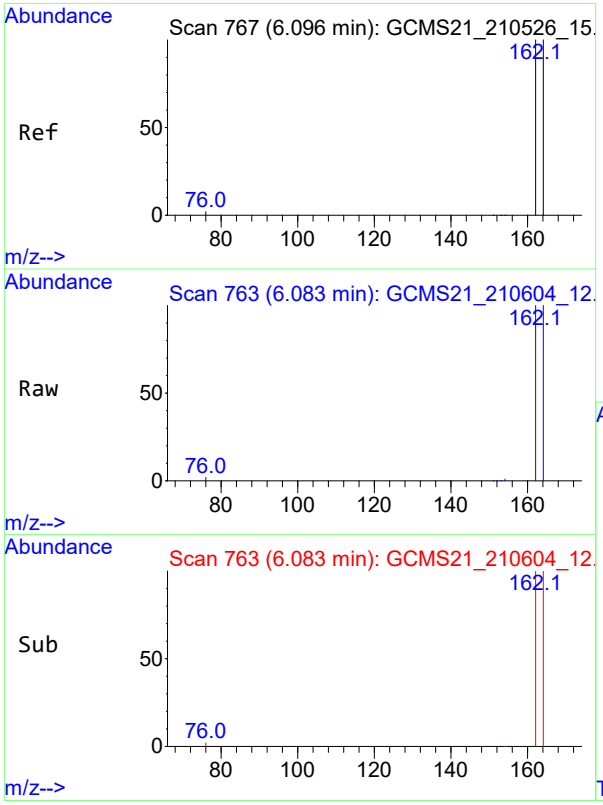


#5
1-Methylnaphthalene
Concen: 31.45 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.014 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:142 Resp: 16996

Ion	Ratio	Lower	Upper
142	100		
141	89.3	59.6	119.6
115	33.9	1.2	61.2

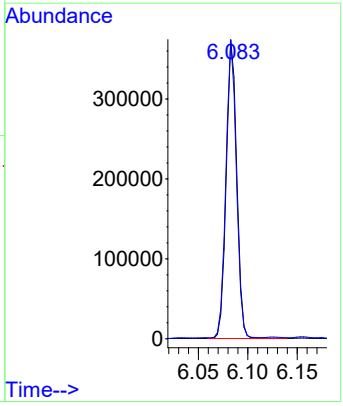


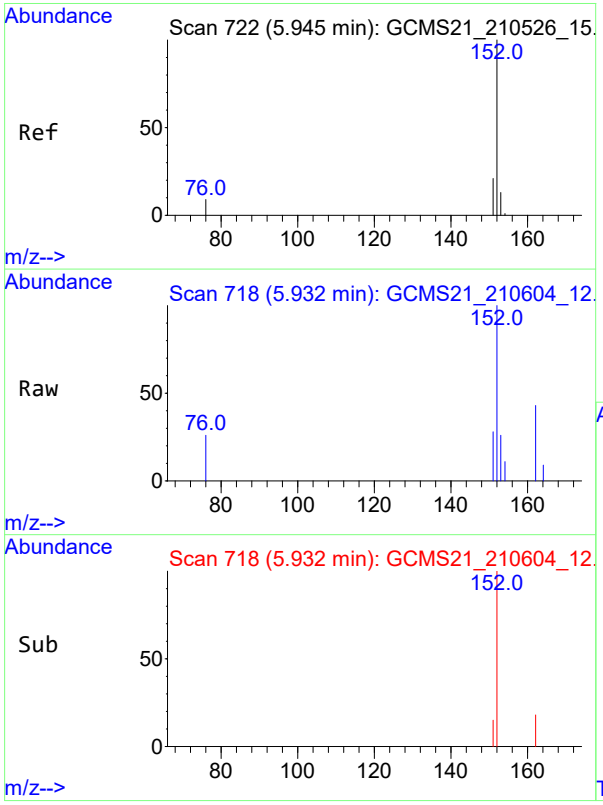


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. -0.013 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:164 Resp: 276884

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.5	119.5

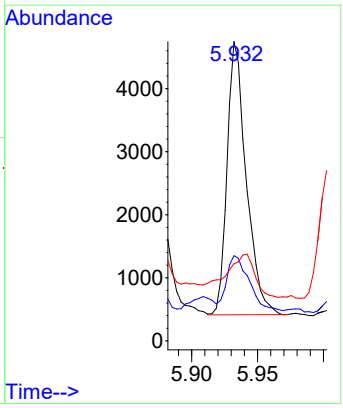


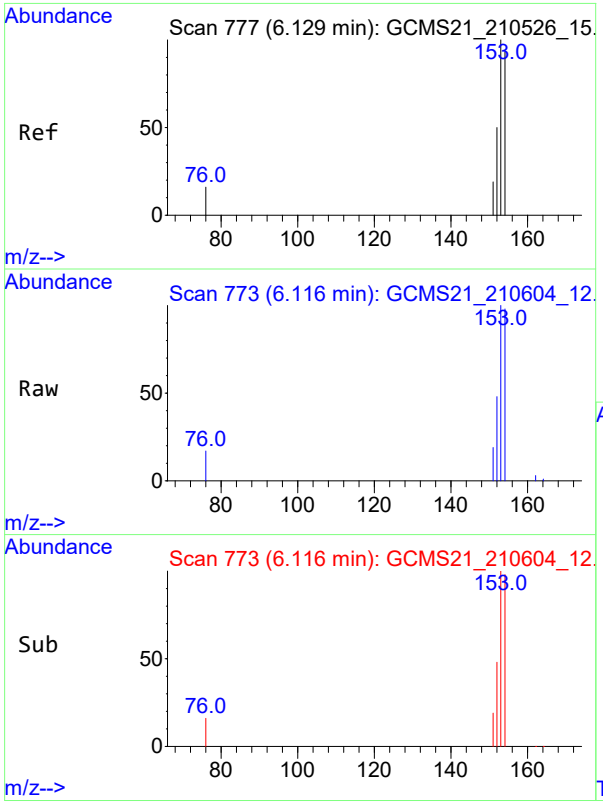


#7
Acenaphthylene
Concen: 4.76 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. -0.013 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:152 Resp: 4376

Ion	Ratio	Lower	Upper
152	100		
151	23.6	0.0	51.5
76	24.7	0.0	39.5

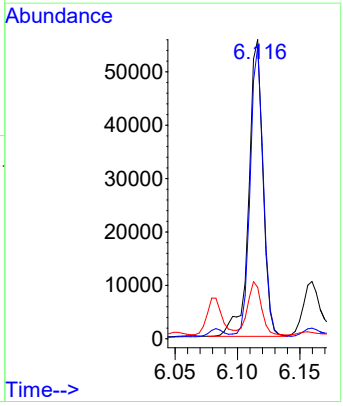


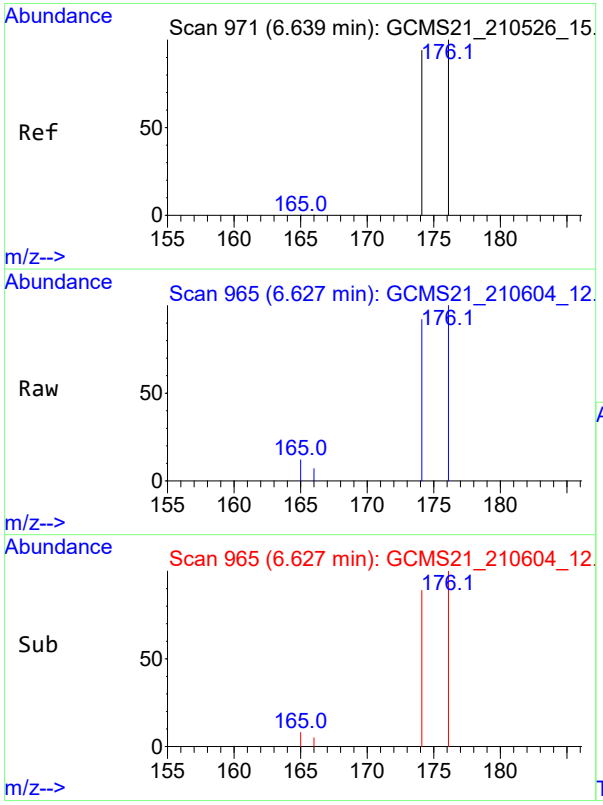


#8
Acenaphthene
Concen: 62.40 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. -0.013 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:153 Resp: 43895

Ion	Ratio	Lower	Upper
153	100		
154	91.3	61.9	121.9
76	17.4	0.0	47.6

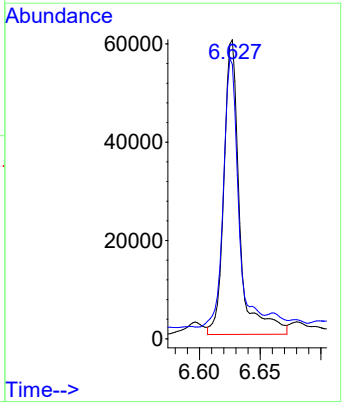


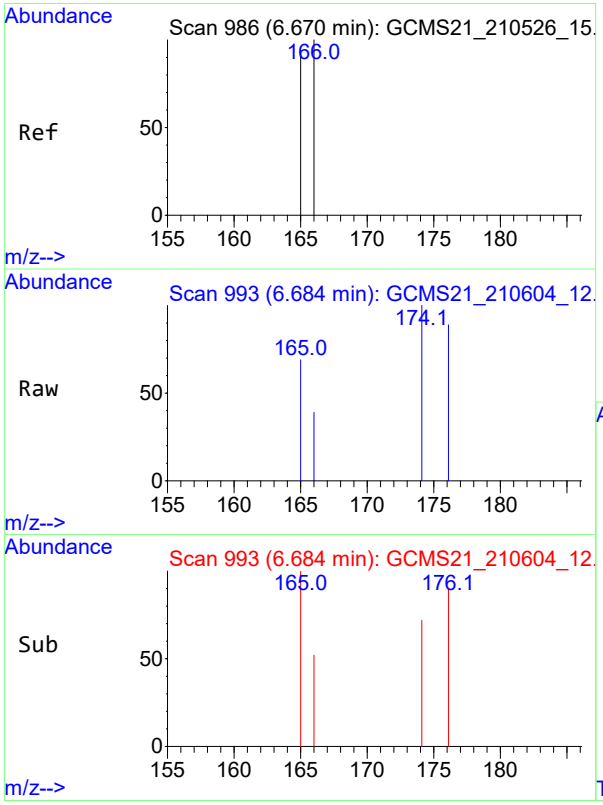


#9
Fluorene-D10
Concen: 81.47 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. -0.012 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:176 Resp: 54009

Ion	Ratio	Lower	Upper
176	100		
174	88.6	64.3	124.3

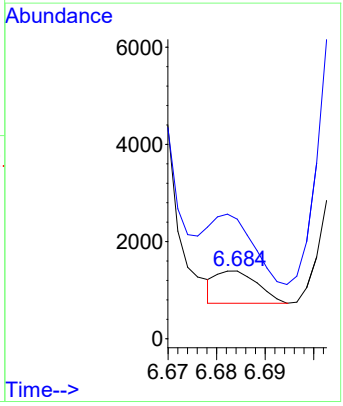


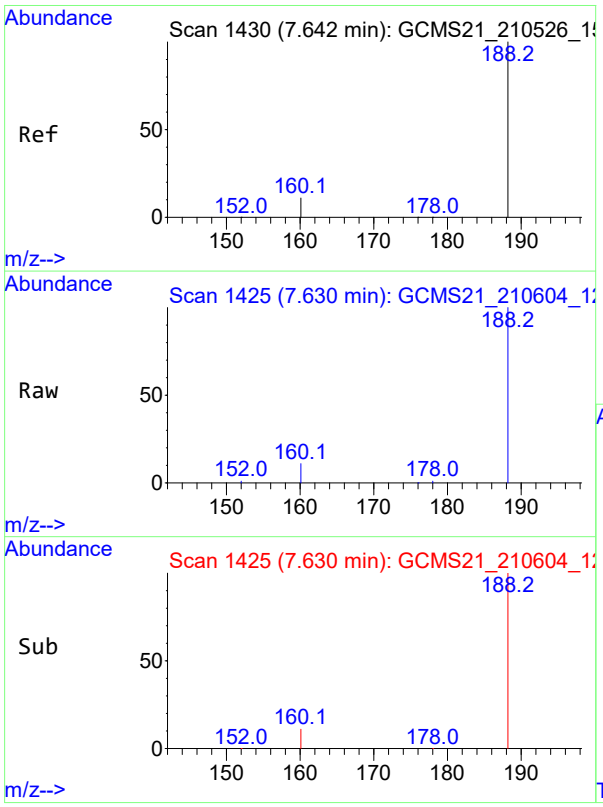


#10
Fluorene
Concen: 0.51 ng/mL
RT: 6.684 min Scan# 993
Delta R.T. 0.014 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:166 Resp: 394

Ion	Ratio	Lower	Upper
166	100		
165	232.5	65.4	125.4#

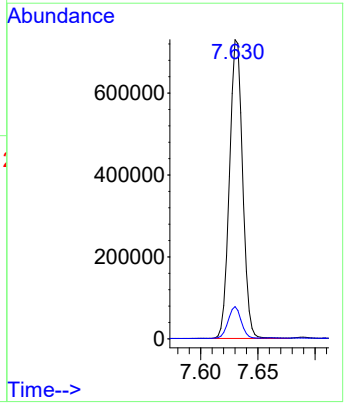


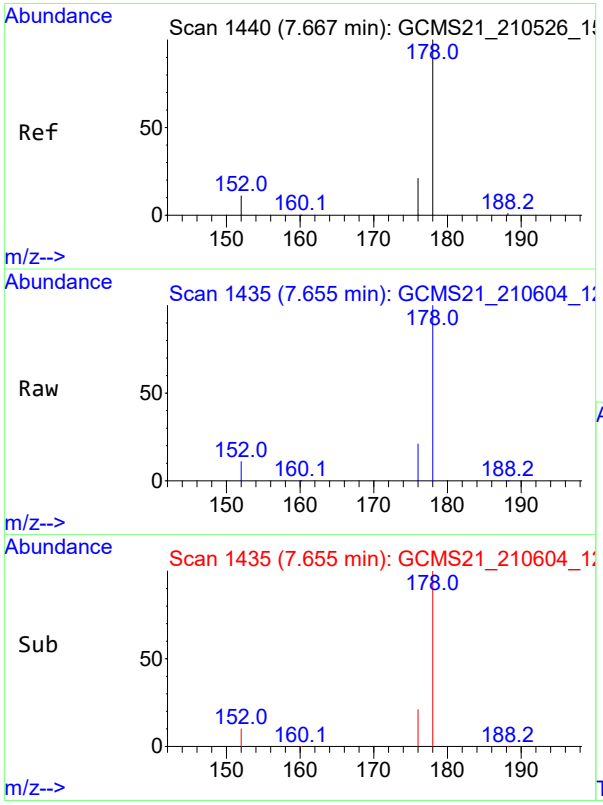


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.630 min Scan# 1425
Delta R.T. -0.012 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:188 Resp: 582913

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	40.3

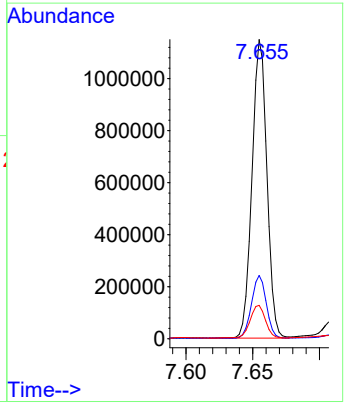


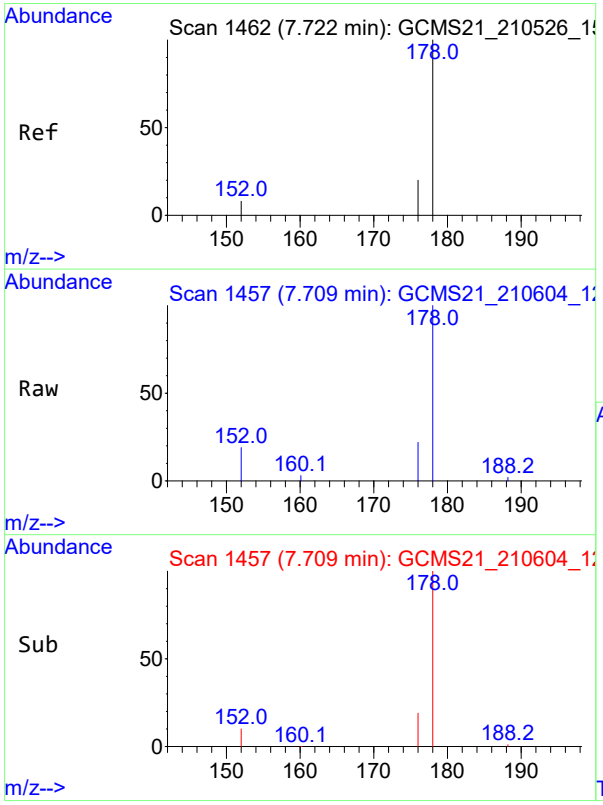


#12
Phenanthrene
Concen: 632.13 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. -0.012 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:178 Resp: 889308

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	50.9
152	10.9	0.0	40.7

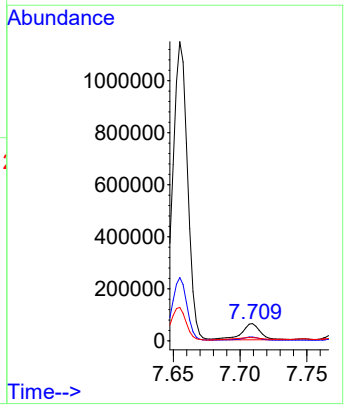


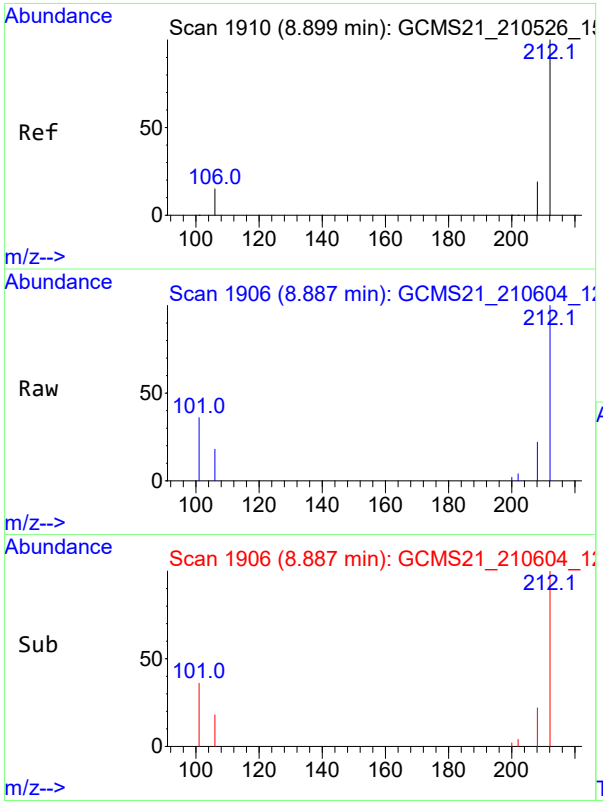


#13
Anthracene
Concen: 50.57 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. -0.013 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:178 Resp: 62169

Ion	Ratio	Lower	Upper
178	100		
176	21.1	0.0	50.2
152	22.0	0.0	38.7

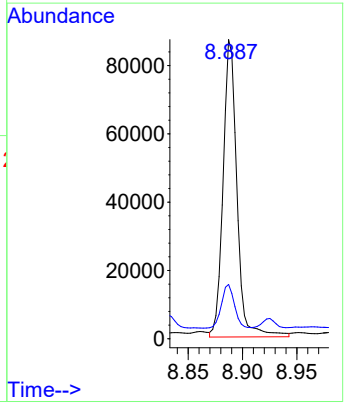


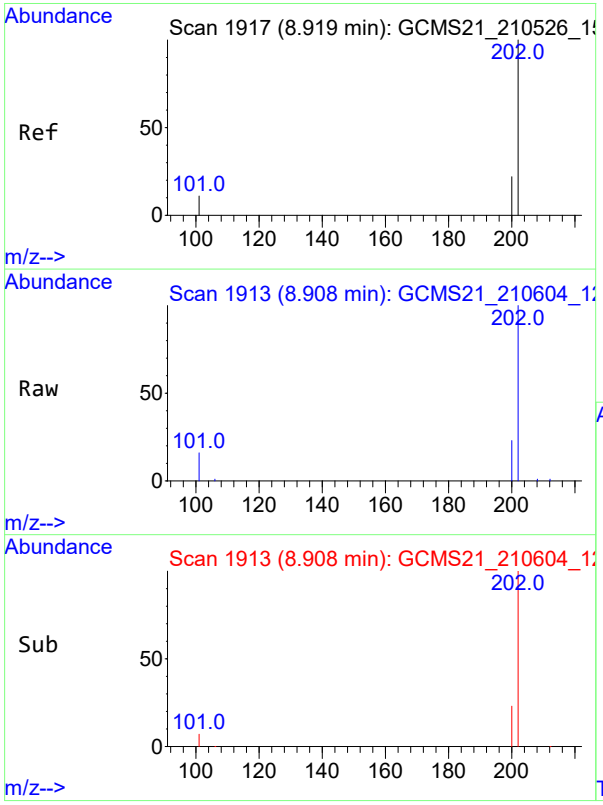


#14
Fluoranthene-D10
Concen: 60.63 ng/mL
RT: 8.887 min Scan# 1906
Delta R.T. -0.012 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:212 Resp: 77100

Ion	Ratio	Lower	Upper
212	100		
106	13.7	0.0	45.1

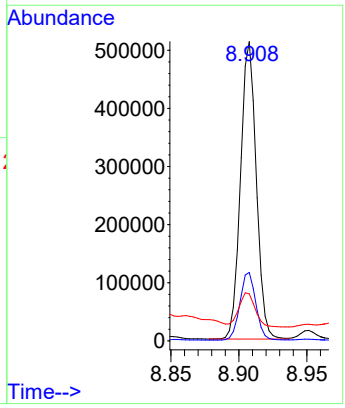


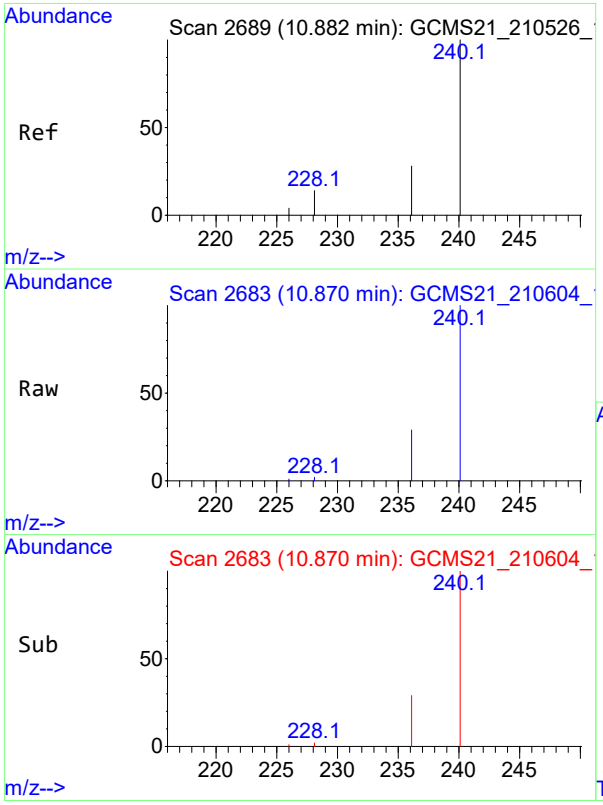


#15
Fluoranthene
Concen: 277.36 ng/mL
RT: 8.908 min Scan# 1913
Delta R.T. -0.011 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:202 Resp: 411821

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	53.2
101	11.9	0.0	42.4

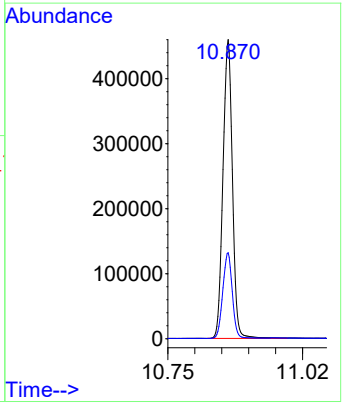


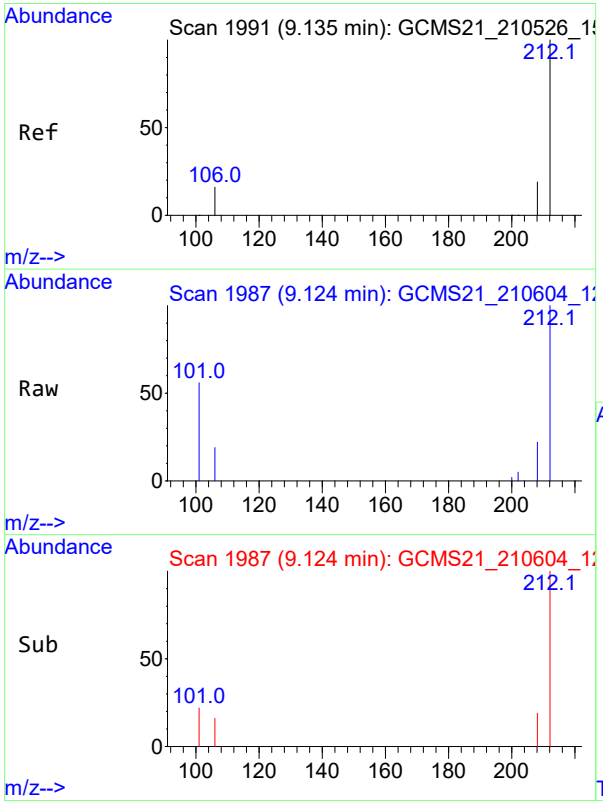


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.870 min Scan# 2683
Delta R.T. -0.012 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:240 Resp: 597758

Ion	Ratio	Lower	Upper
240	100		
236	28.8	0.0	58.5

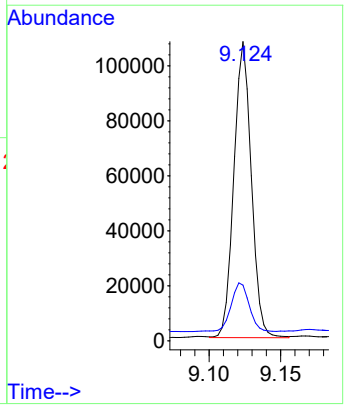


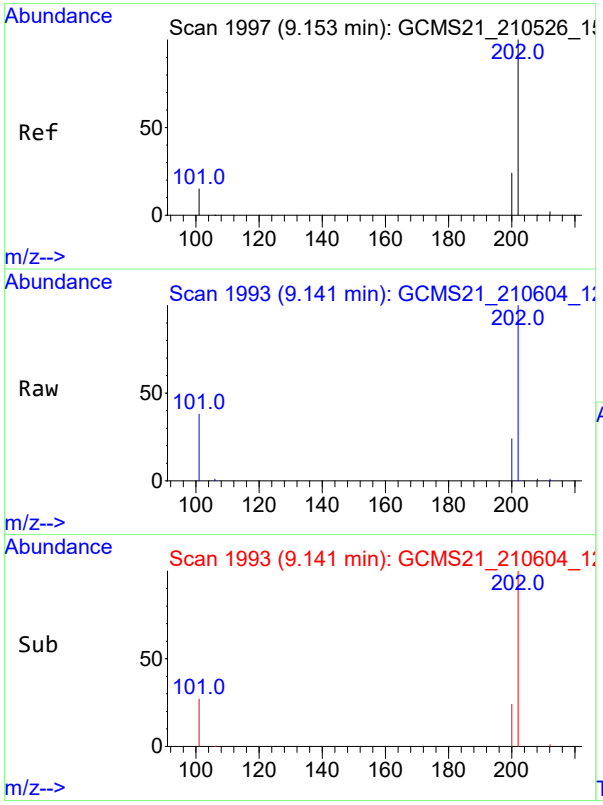


#17
Pyrene-D10
Concen: 66.87 ng/mL
RT: 9.124 min Scan# 1987
Delta R.T. -0.011 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:212 Resp: 91203

Ion	Ratio	Lower	Upper
212	100		
106	17.5	0.0	47.4

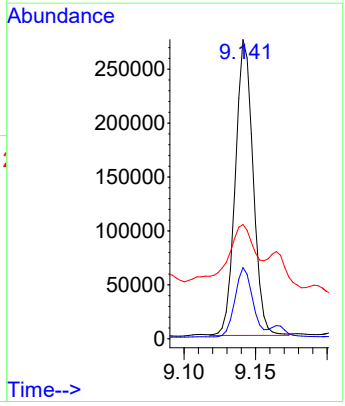


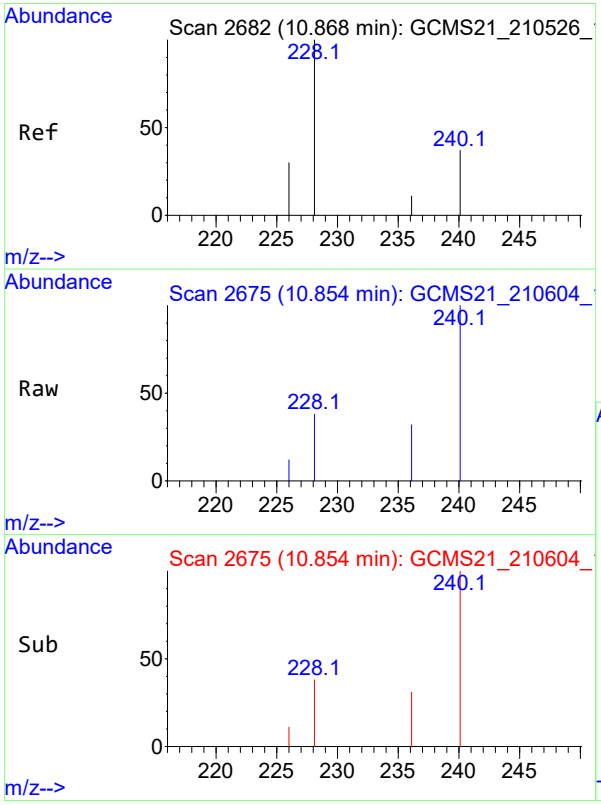


#18
Pyrene
Concen: 148.57 ng/mL
RT: 9.141 min Scan# 1993
Delta R.T. -0.012 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:202 Resp: 236694

Ion	Ratio	Lower	Upper
202	100		
200	24.1	0.0	53.6
101	60.6	0.0	44.4#

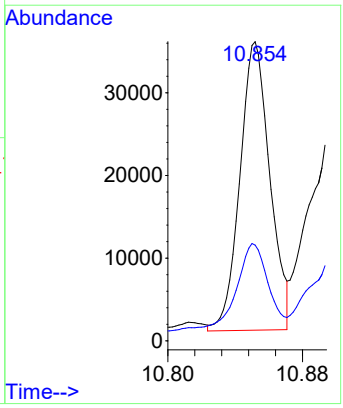


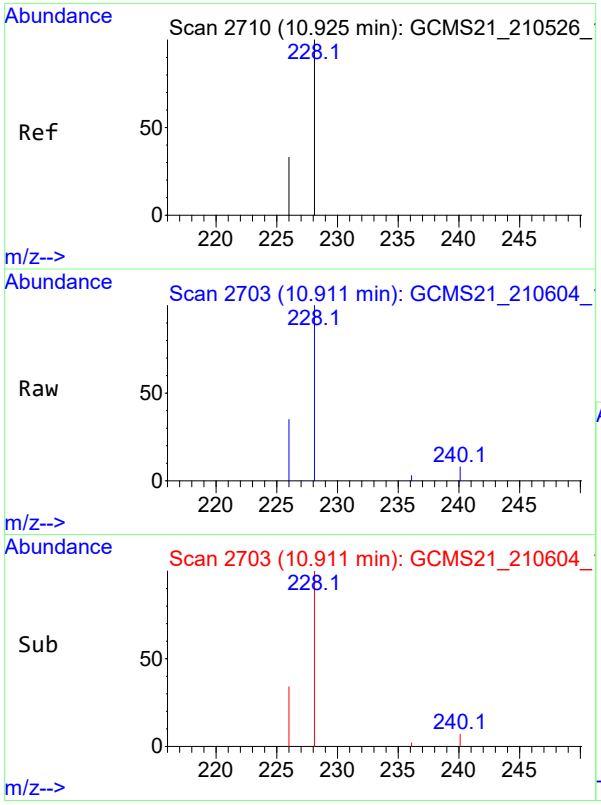


#19
Benzo(a)anthracene
Concen: 38.83 ng/mL
RT: 10.854 min Scan# 2675
Delta R.T. -0.014 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:228 Resp: 46686

Ion	Ratio	Lower	Upper
228	100		
226	34.9	0.0	59.6

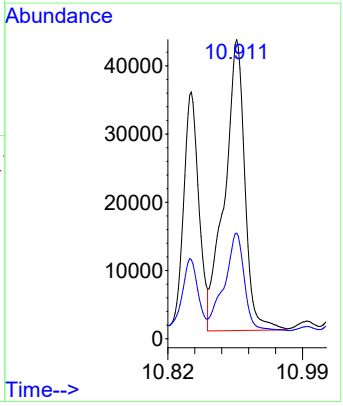


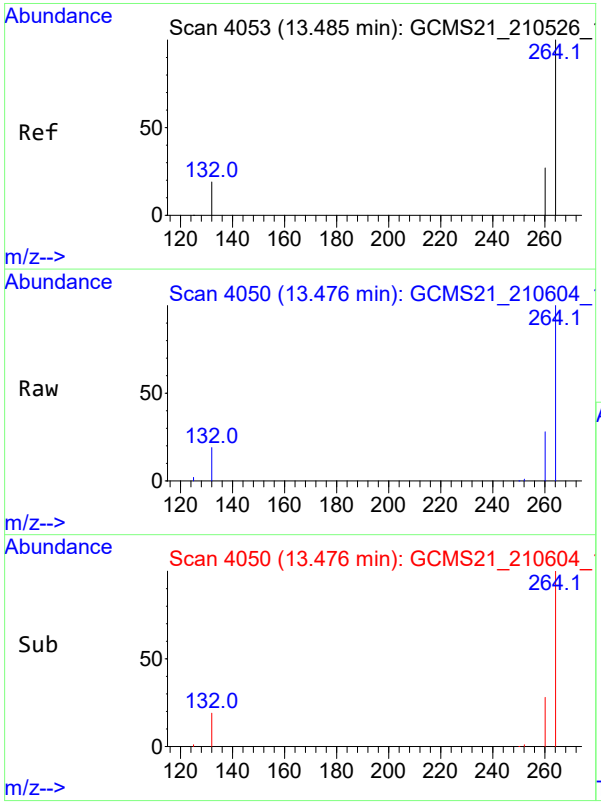


#20
Chrysene
Concen: 50.95 ng/mL
RT: 10.911 min Scan# 2703
Delta R.T. -0.014 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:228 Resp: 75635

Ion	Ratio	Lower	Upper
228	100		
226	35.2	2.5	62.5

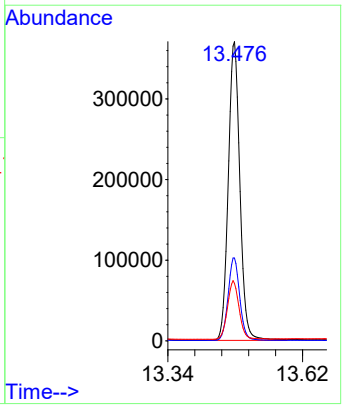


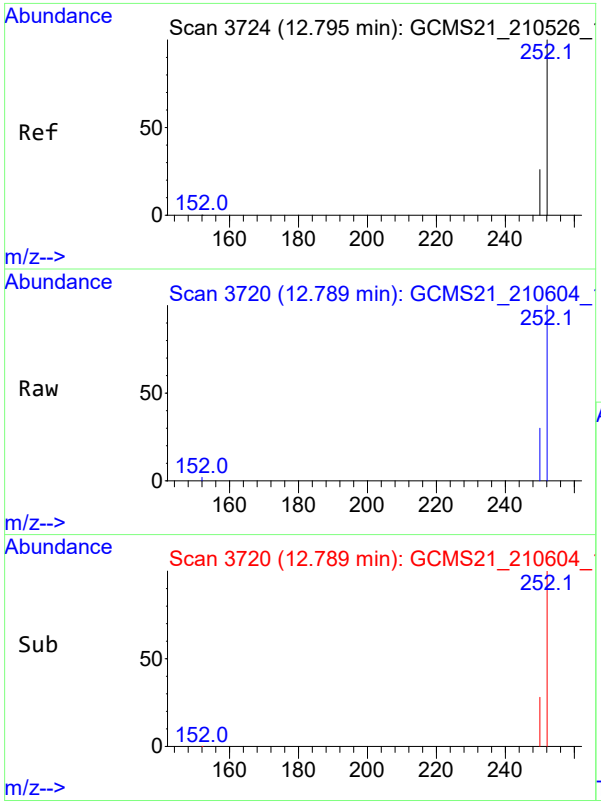


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.476 min Scan# 4050
Delta R.T. -0.009 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:264 Resp: 615182

Ion	Ratio	Lower	Upper
264	100		
260	27.8	0.0	57.5
132	19.6	0.0	49.9

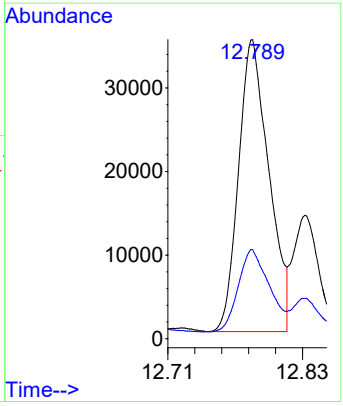


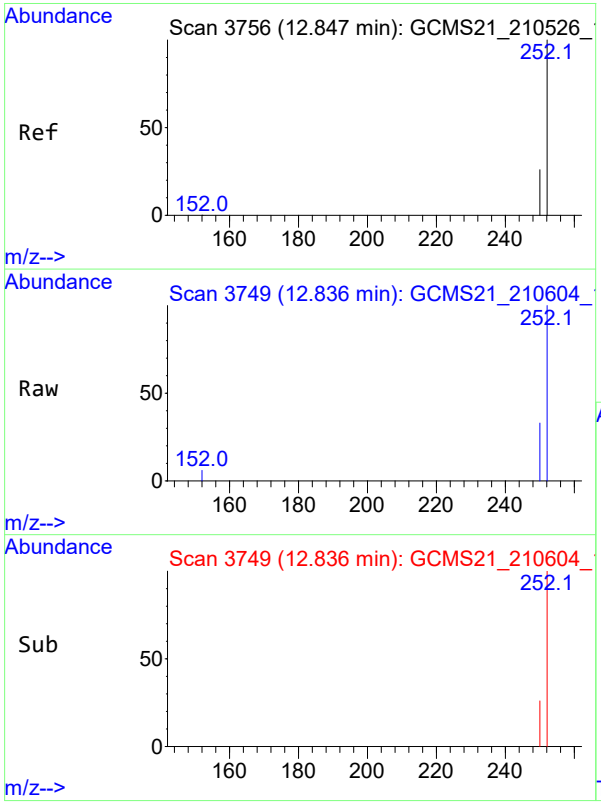


#22
Benzo(b)fluoranthene
Concen: 51.97 ng/mL
RT: 12.789 min Scan# 3720
Delta R.T. -0.006 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:252 Resp: 66367

Ion	Ratio	Lower	Upper
252	100		
250	28.9	0.0	56.2

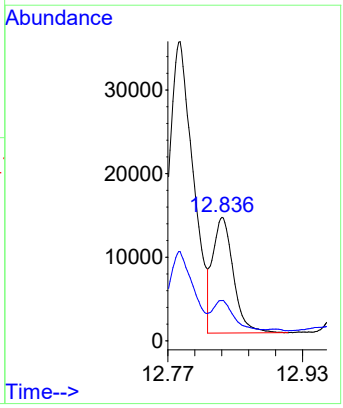


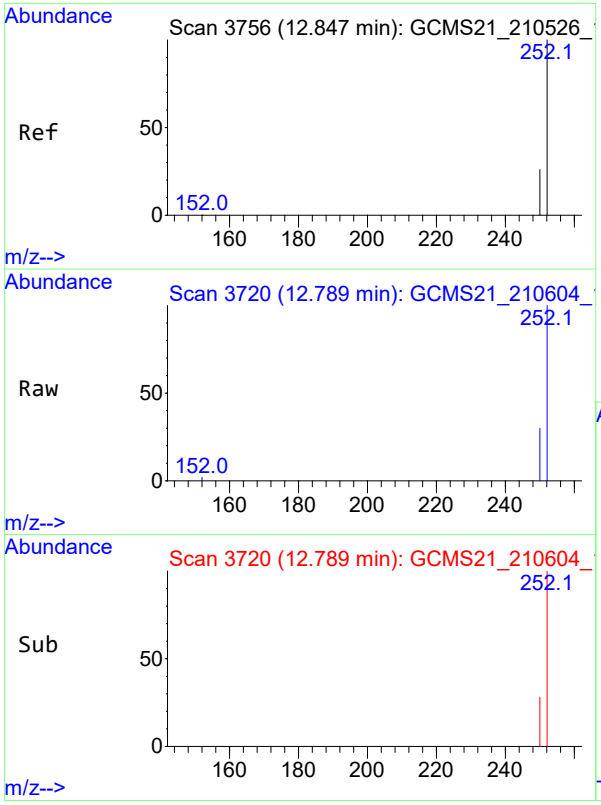


#23
Benzo(k)fluoranthene
Concen: 15.89 ng/mL
RT: 12.836 min Scan# 3749
Delta R.T. -0.011 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:252 Resp: 22487

Ion	Ratio	Lower	Upper
252	100		
250	33.7	0.0	55.4

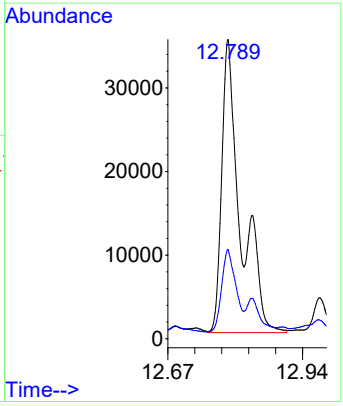


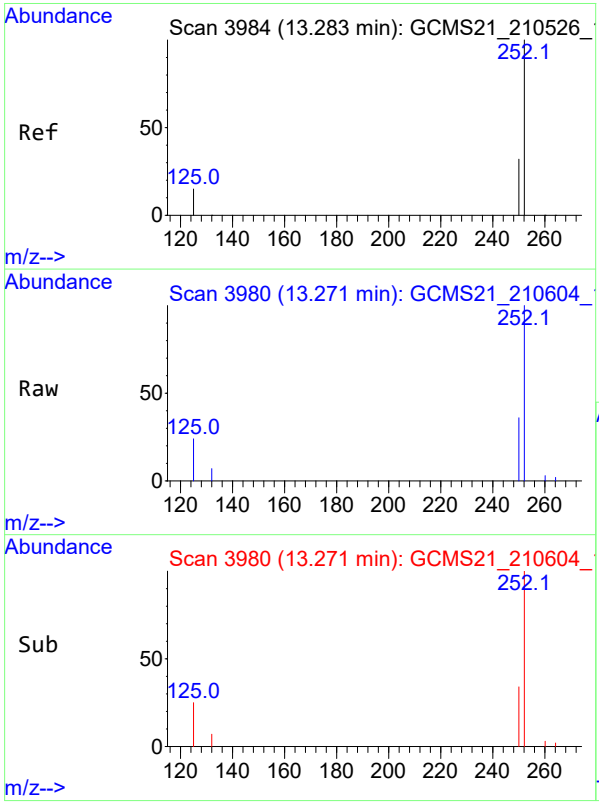


#24
benzo(b+k)fluoranthene (sum)
Concen: 65.20 ng/mL m
RT: 12.789 min Scan# 3720
Delta R.T. -0.058 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:252 Resp: 90461

Ion	Ratio	Lower	Upper
252	100		
250	33.4	0.0	56.3

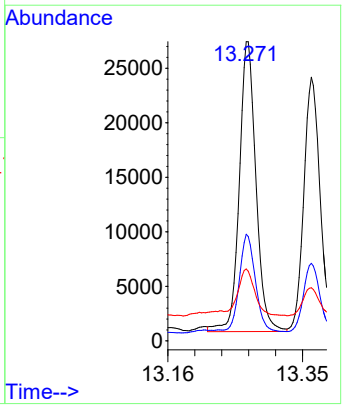


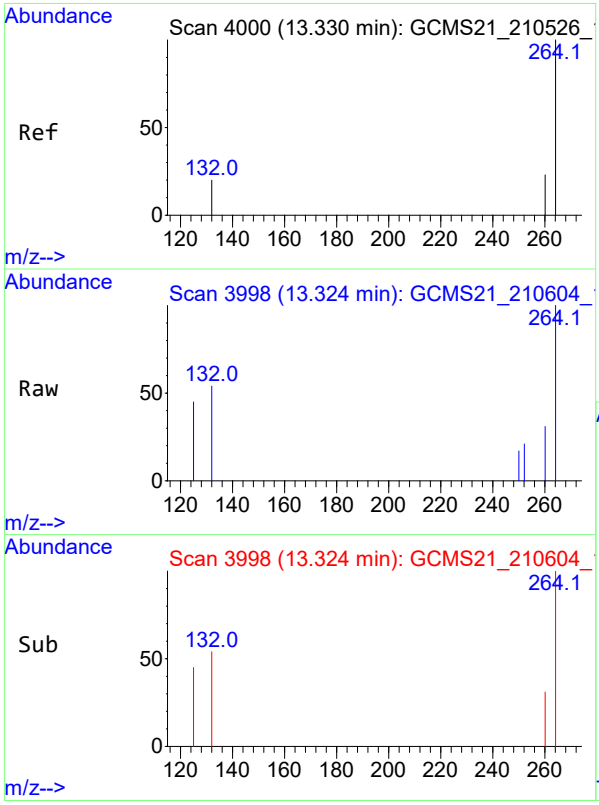


#25
Benzo(e)pyrene
Concen: 34.30 ng/mL
RT: 13.271 min Scan# 3980
Delta R.T. -0.012 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:252 Resp: 44181

Ion	Ratio	Lower	Upper
252	100		
250	31.8	2.4	62.4
125	29.2	0.0	46.0

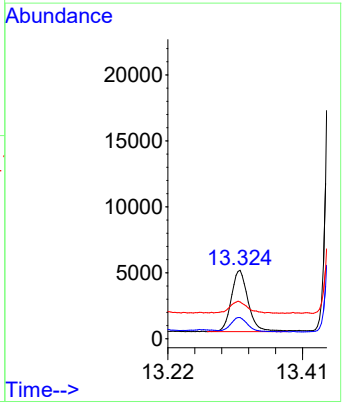


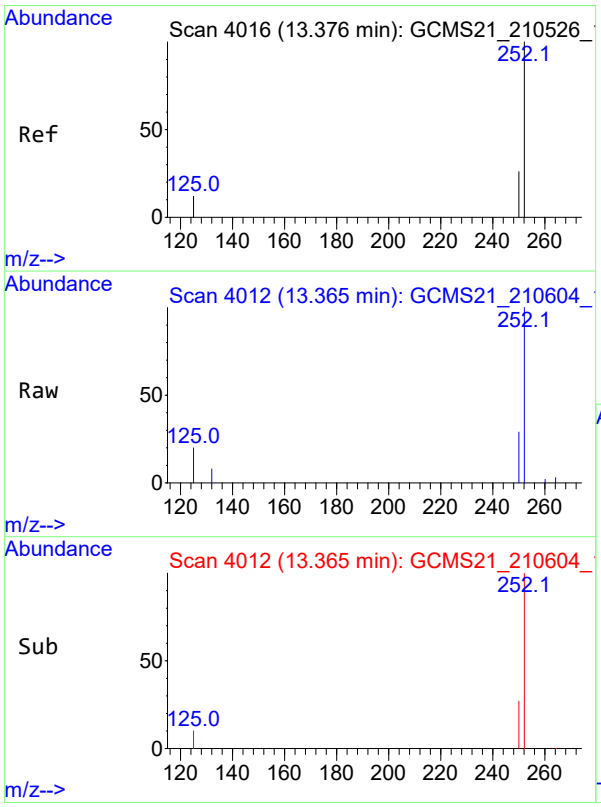


#26
Benzo(a)pyrene-D12
Concen: 7.77 ng/mL
RT: 13.324 min Scan# 3998
Delta R.T. -0.006 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:264 Resp: 7762

Ion	Ratio	Lower	Upper
264	100		
260	30.8	0.0	52.7
132	18.7	0.0	49.5

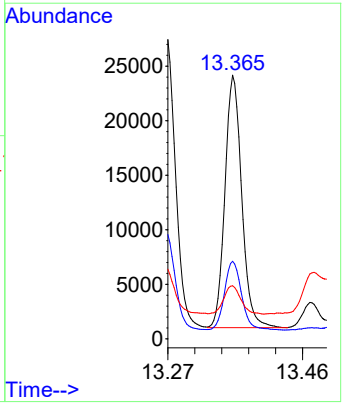


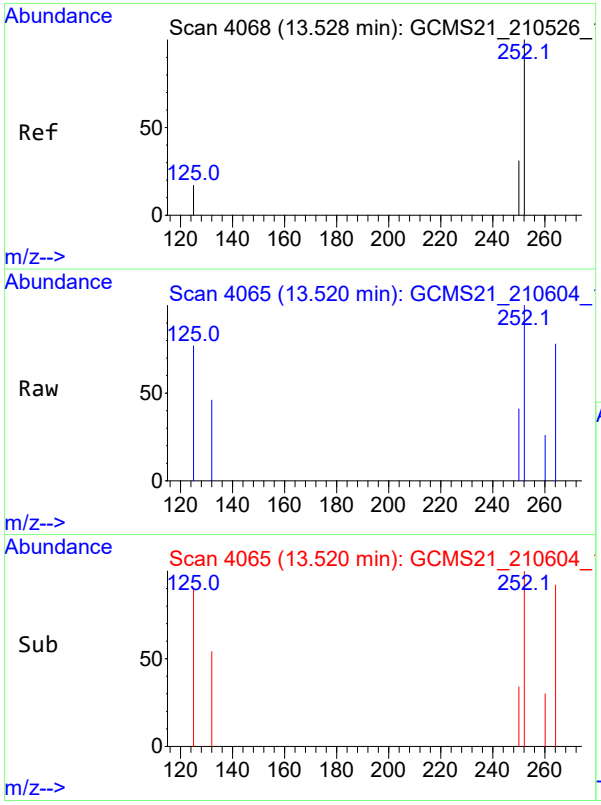


#27
Benzo(a)pyrene
Concen: 32.36 ng/mL
RT: 13.365 min Scan# 4012
Delta R.T. -0.011 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:252 Resp: 37711

Ion	Ratio	Lower	Upper
252	100		
250	27.8	0.0	57.2
125	11.3	0.0	42.3

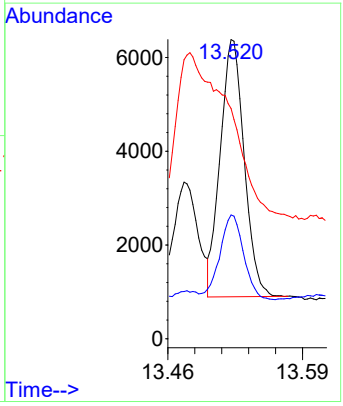


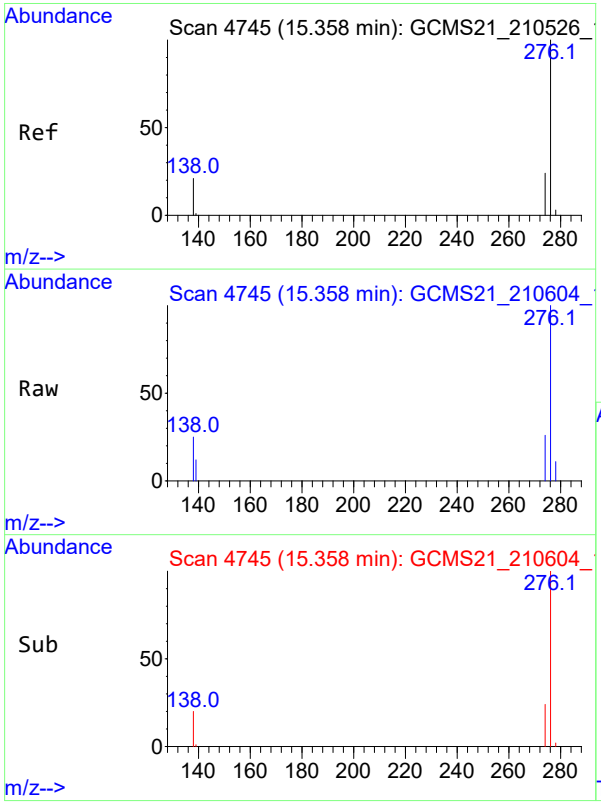


#28
Perylene
Concen: 6.92 ng/mL
RT: 13.520 min Scan# 4065
Delta R.T. -0.008 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:252 Resp: 9060

Ion	Ratio	Lower	Upper
252	100		
250	33.2	1.1	61.1
125	0.0	0.0	46.2

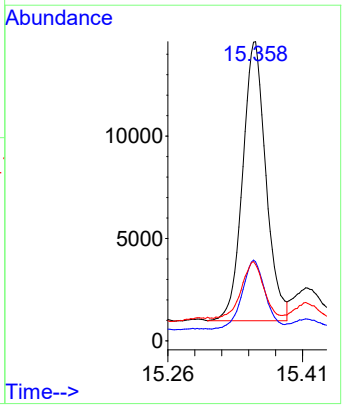


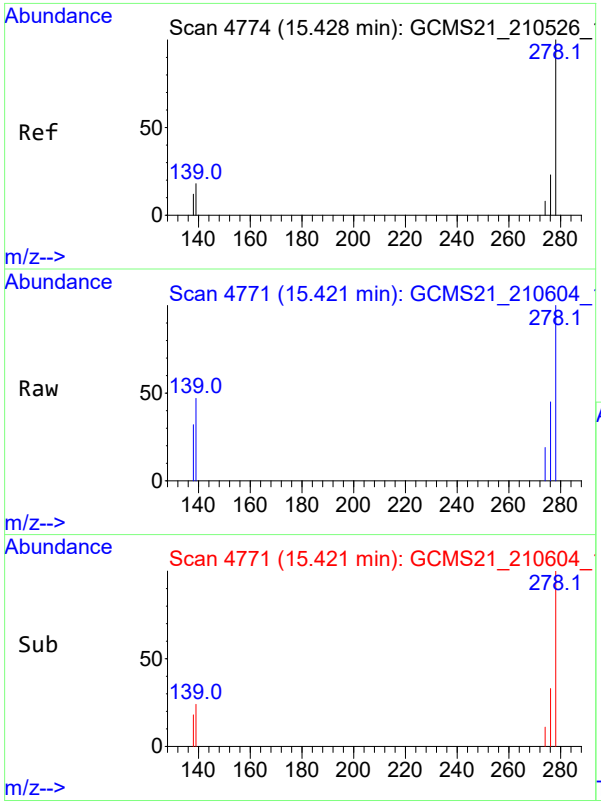


#29
Indeno(1,2,3-cd)pyrene
Concen: 25.46 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.000 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:276 Resp: 25387

Ion	Ratio	Lower	Upper
276	100		
274	24.6	0.0	53.7
138	21.5	0.0	51.1

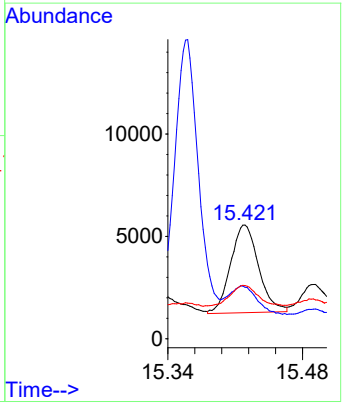


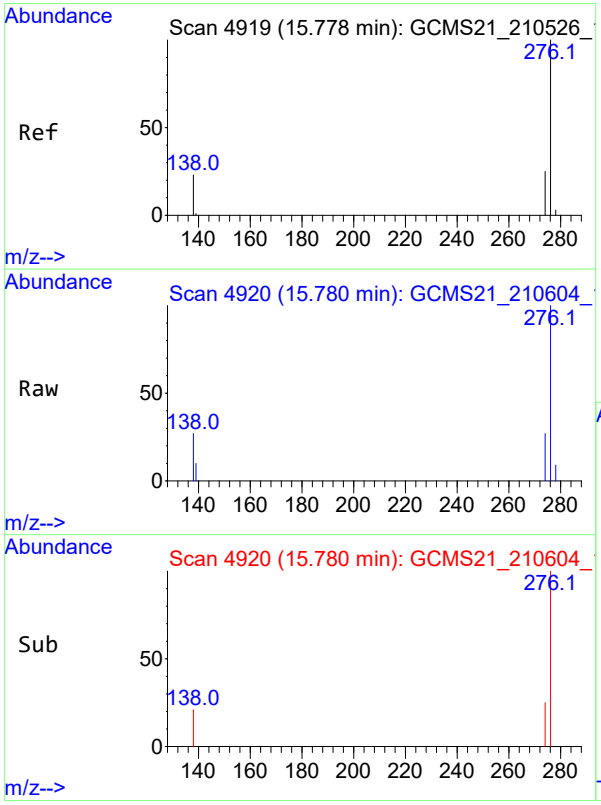


#30
Dibenz(a,h)anthracene
Concen: 9.18 ng/mL
RT: 15.421 min Scan# 4771
Delta R.T. -0.007 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:278 Resp: 9121

Ion	Ratio	Lower	Upper
278	100		
276	40.0	2.7	62.7
139	23.4	0.0	47.4

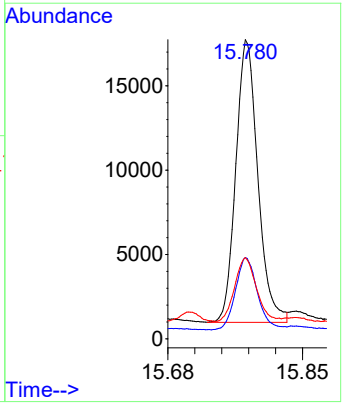




#31
Benzo(g,h,i)perylene
Concen: 25.22 ng/mL
RT: 15.780 min Scan# 4920
Delta R.T. 0.002 min
Lab File: GCMS21_210604_12.D
Acq: 04 Jun 2021 01:14 pm

Tgt Ion:276 Resp: 32675

Ion	Ratio	Lower	Upper
276	100		
274	25.7	0.0	54.7
138	22.0	0.0	52.8



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_11.D
Acq On : 04 Jun 2021 12:49
Operator : MN GCMS21
Sample : 2105001-03RE1
Misc : 50µL+450µL 21D3002 (10X)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 30 12:02:27 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.290	136	478351	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	285133	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.630	188	594428	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.868	240	596476	500.00	ng/mL	0.00
21) PERYLENE-D12	13.476	264	629733	500.00	ng/mL	0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.625	176	20988	30.74	ng/mL	0.00
14) Fluoranthene-D10	8.887	212	36115	28.06	ng/mL	0.00
17) Pyrene-D10	9.121	212	38227	28.09	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.321	264	3472	3.39	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.308	128	17803	19.40	ng/mL	96
4) 2-Methylnaphthalene	5.016	142	22011	32.56	ng/mL	99
5) 1-Methylnaphthalene	5.112	142	10324	18.34	ng/mL	93
7) Acenaphthylene	5.932	152	2676	2.83	ng/mL	85
8) Acenaphthene	6.113	153	20007	27.62	ng/mL	95
10) Fluorene	6.656	166	65488	81.67	ng/mL	97
12) Phenanthrene	7.655	178	414889	289.20	ng/mL	99
13) Anthracene	7.709	178	33085	27.73	ng/mL	84
15) Fluoranthene	8.905	202	206105	136.12	ng/mL	99
18) Pyrene	9.141	202	121740	76.58	ng/mL#	47
19) Benzo(a)anthracene	10.854	228	27694	23.08	ng/mL	91
20) Chrysene	10.911	228	41332	27.90	ng/mL	96
22) Benzo(b)fluoranthene	12.787	252	37334	28.56	ng/mL	95
23) Benzo(k)fluoranthene	12.836	252	12655	8.74	ng/mL	99
24) benzo(b+k)fluoranthene...	12.787	252	50241m	35.37	ng/mL	
25) Benzo(e)pyrene	13.271	252	24846	18.85	ng/mL	83
27) Benzo(a)pyrene	13.365	252	22376	18.76	ng/mL	98
28) Perylene	13.520	252	5586	4.17	ng/mL#	87
29) Indeno(1,2,3-cd)pyrene	15.358	276	14812	14.51	ng/mL	98
30) Dibenz(a,h)anthracene	15.423	278	5207	5.12	ng/mL	82
31) Benzo(g,h,i)perylene	15.780	276	18783	14.16	ng/mL	98

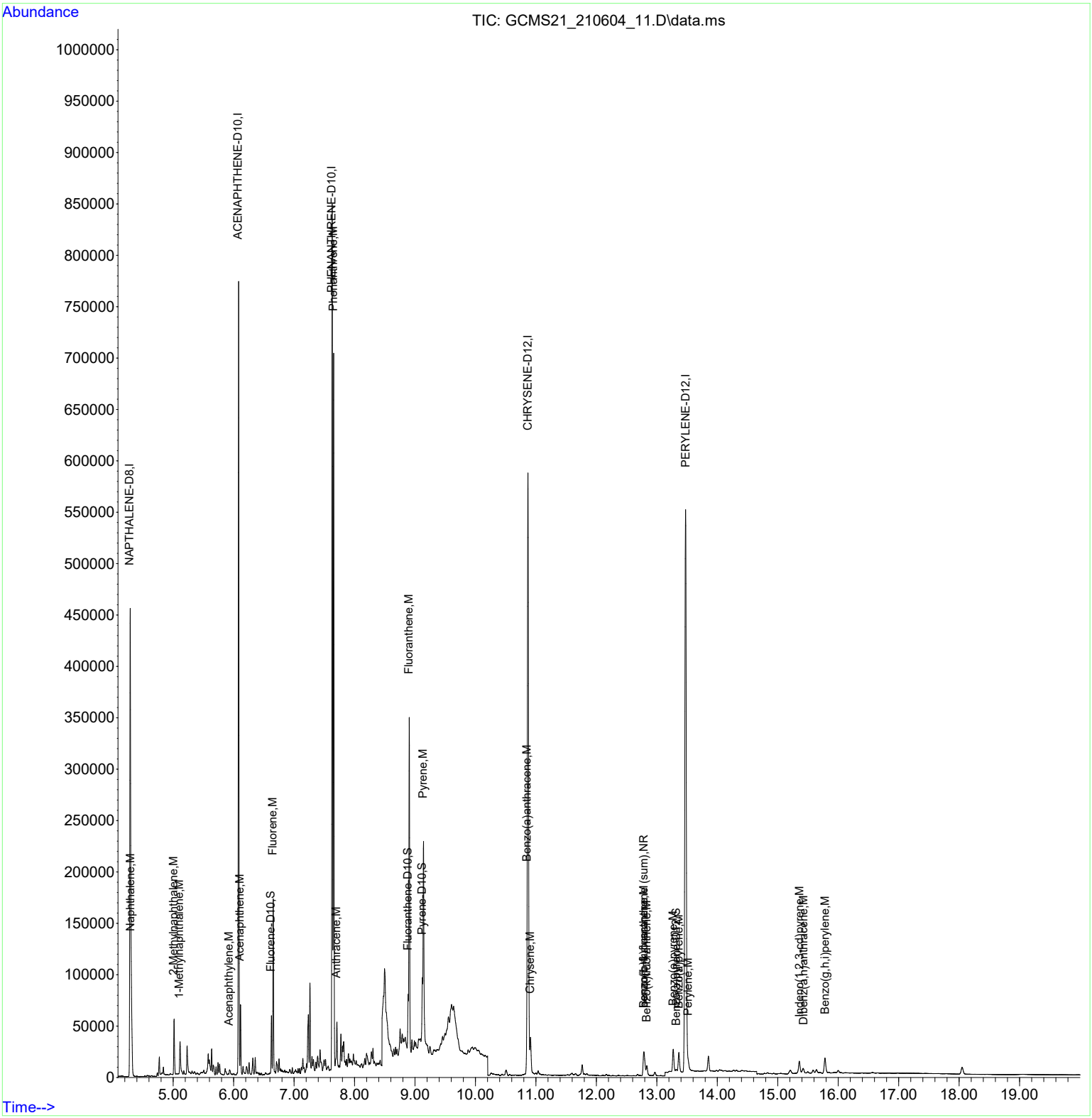
Only Phenanthrene and luoranthene were reported form this run. MN 07.01.2021

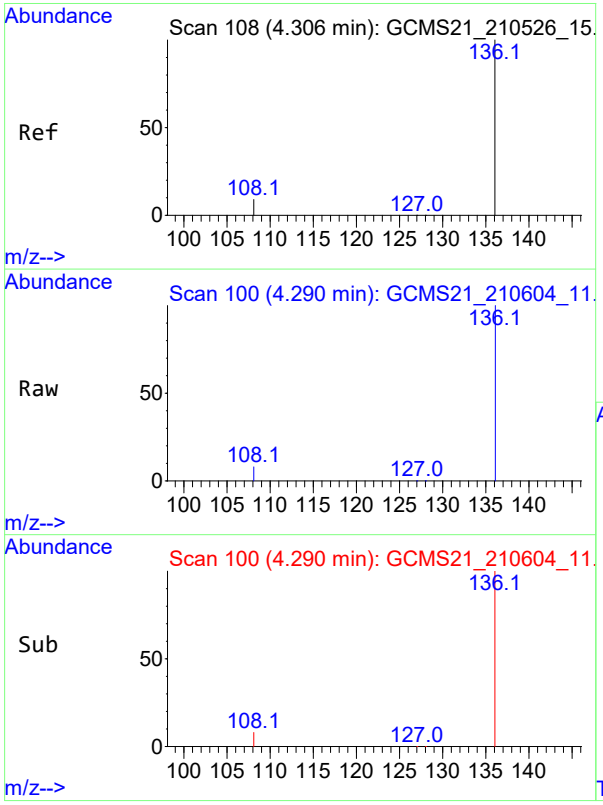
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_11.D
Acq On : 04 Jun 2021 12:49
Operator : MN GCMS21
Sample : 2105001-03RE1
Misc : 50µL+450µL 21D3002 (10X)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 30 12:02:27 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

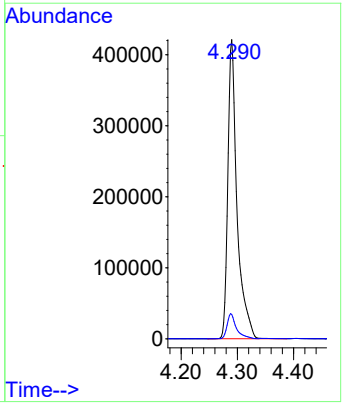


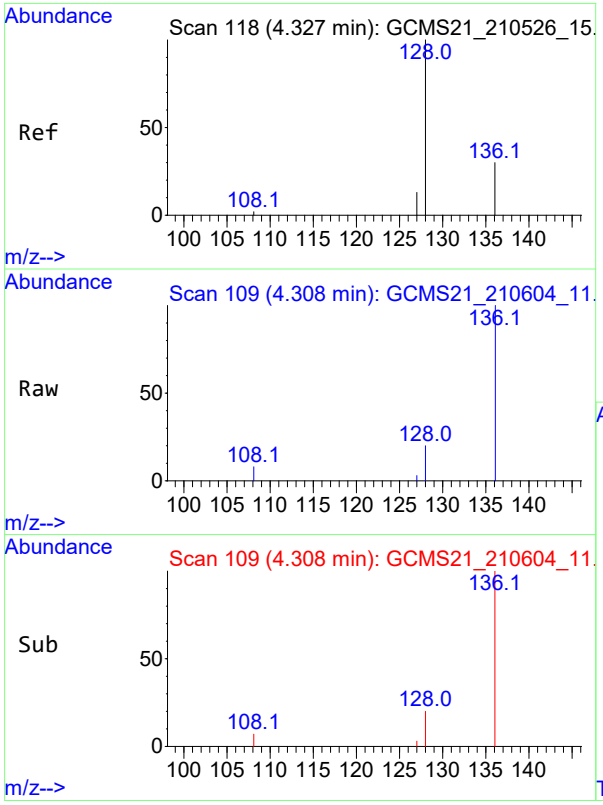


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.290 min Scan# 100
Delta R.T. 0.002 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:136 Resp: 478351

Ion	Ratio	Lower	Upper
136	100		
108	8.4	0.0	28.6

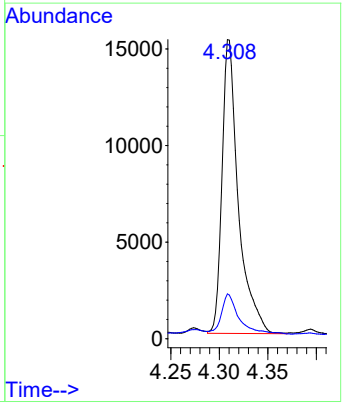


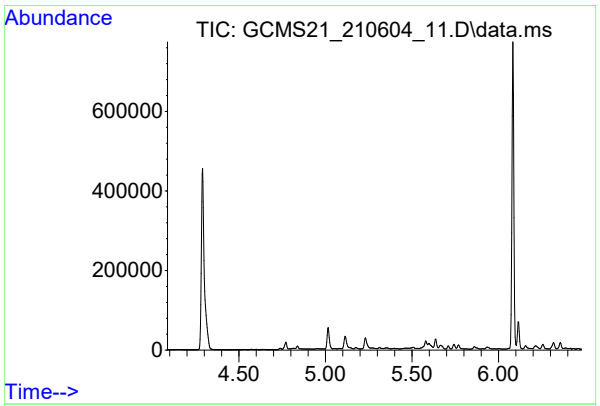


#2
Naphthalene
Concen: 19.40 ng/mL
RT: 4.308 min Scan# 109
Delta R.T. 0.000 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:128 Resp: 17803

Ion	Ratio	Lower	Upper
128	100		
127	14.9	0.0	43.4



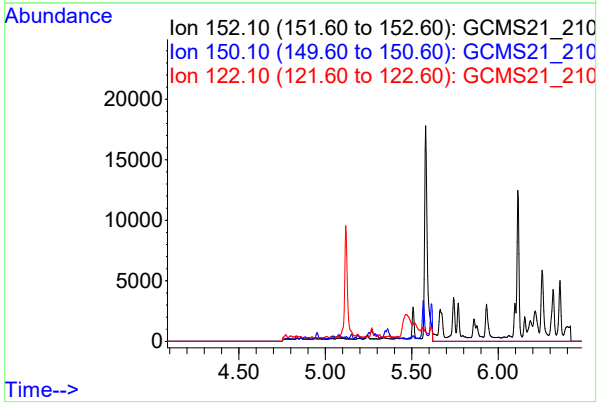


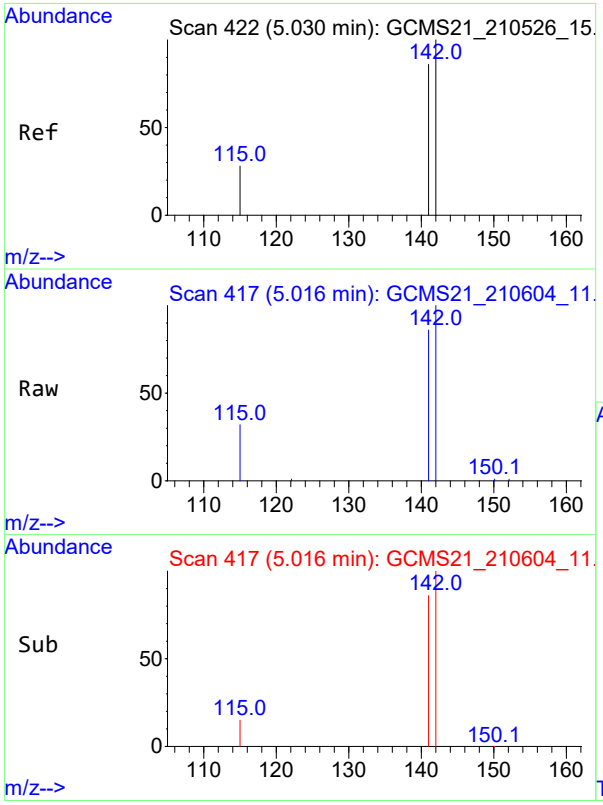
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.98 min

Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.8

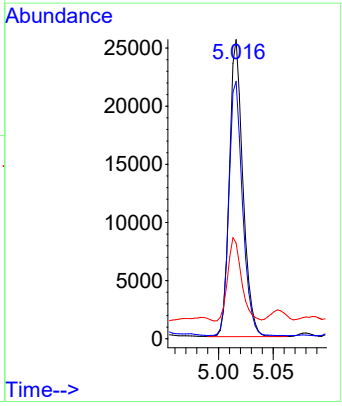


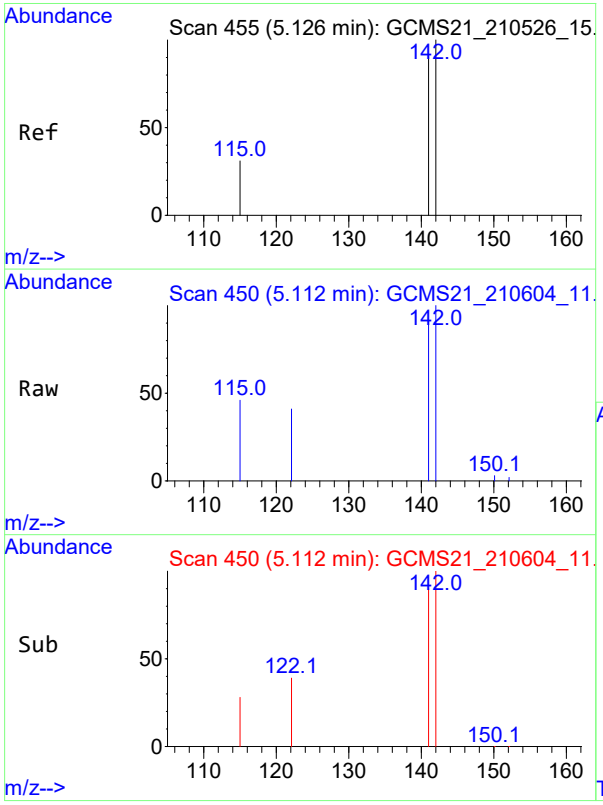


#4
2-Methylnaphthalene
Concen: 32.56 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. 0.003 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:142 Resp: 22011

Ion	Ratio	Lower	Upper
142	100		
141	86.3	56.9	116.9
115	28.3	0.0	57.7

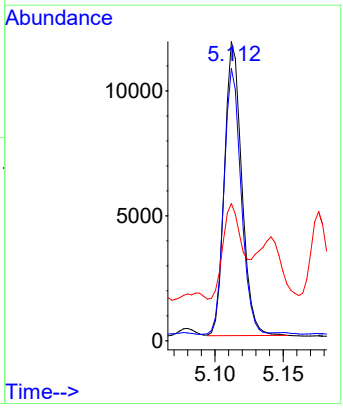


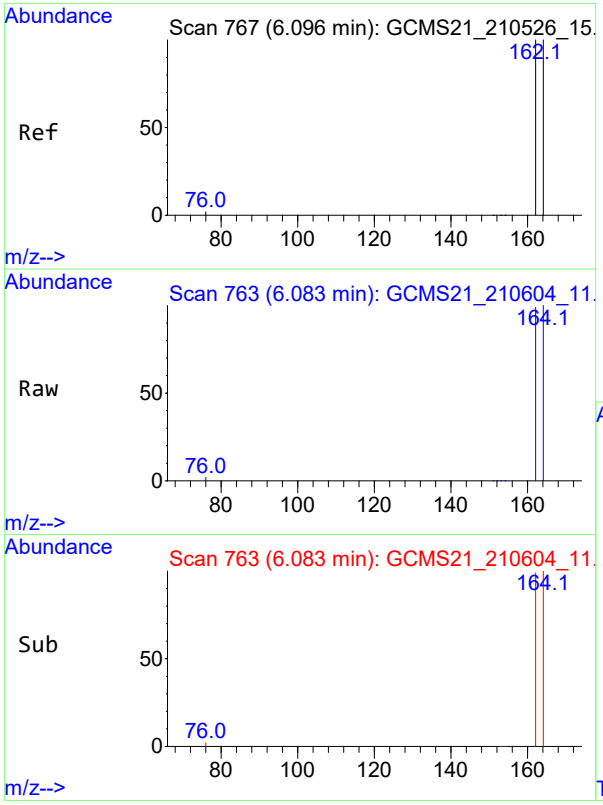


#5
1-Methylnaphthalene
Concen: 18.34 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. 0.000 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:142 Resp: 10324

Ion	Ratio	Lower	Upper
142	100		
141	90.2	57.9	117.9
115	37.5	0.0	57.0

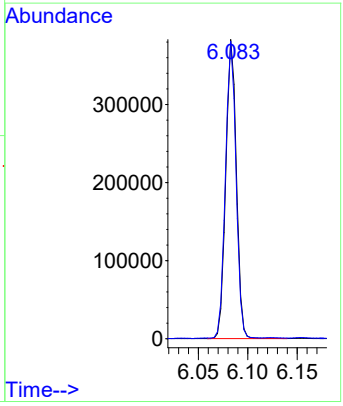


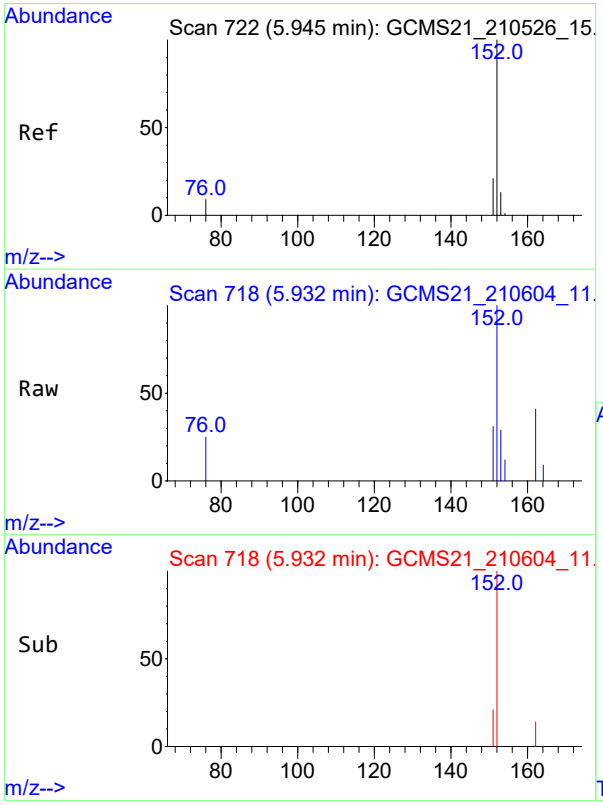


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:164 Resp: 285133

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.0	121.0

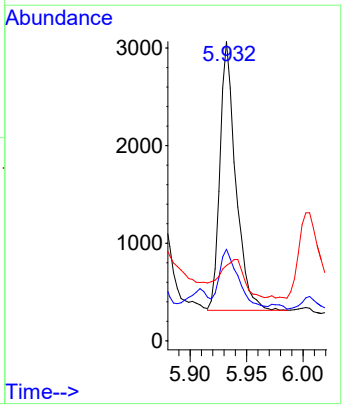


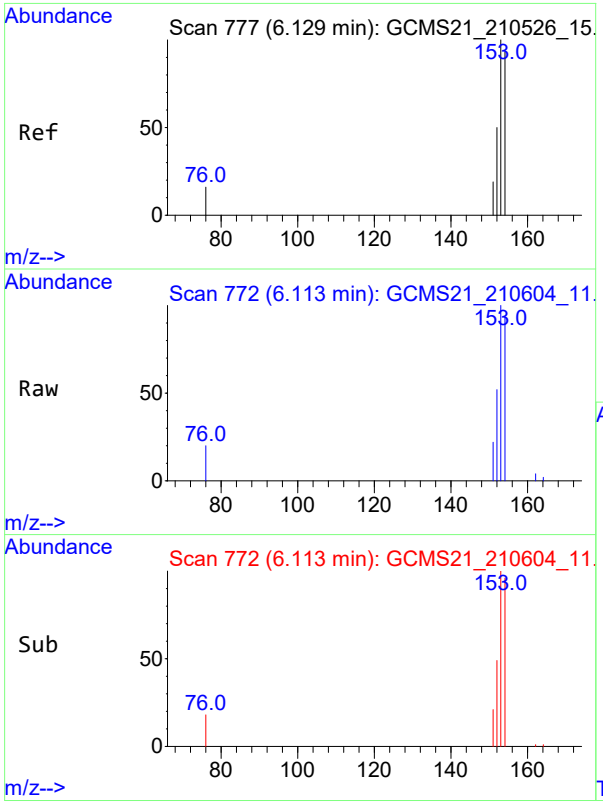


#7
Acenaphthylene
Concen: 2.83 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:152 Resp: 2676

Ion	Ratio	Lower	Upper
152	100		
151	24.1	0.0	51.0
76	21.8	0.0	38.6

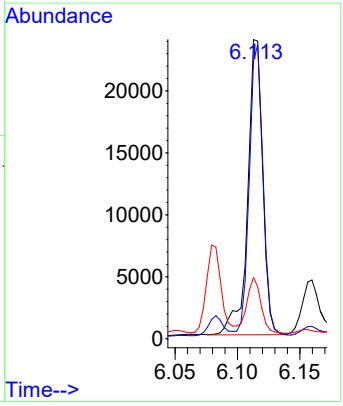


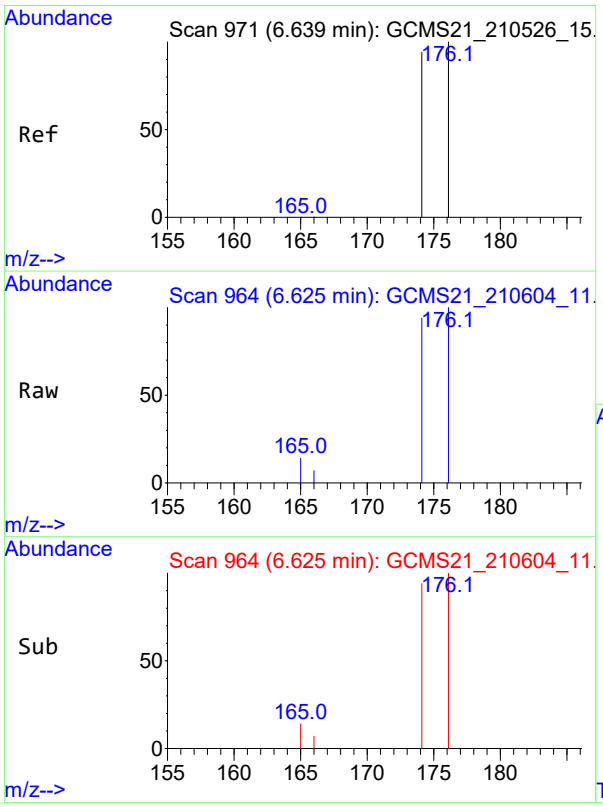


#8
Acenaphthene
Concen: 27.62 ng/mL
RT: 6.113 min Scan# 772
Delta R.T. 0.000 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:153 Resp: 20007

Ion	Ratio	Lower	Upper
153	100		
154	89.7	63.7	123.7
76	18.2	0.0	45.2

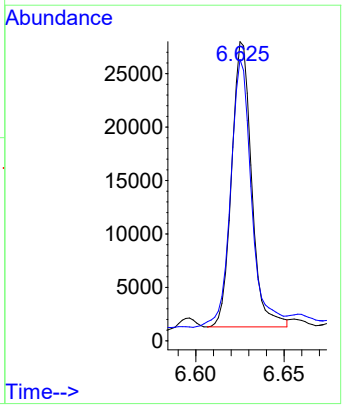


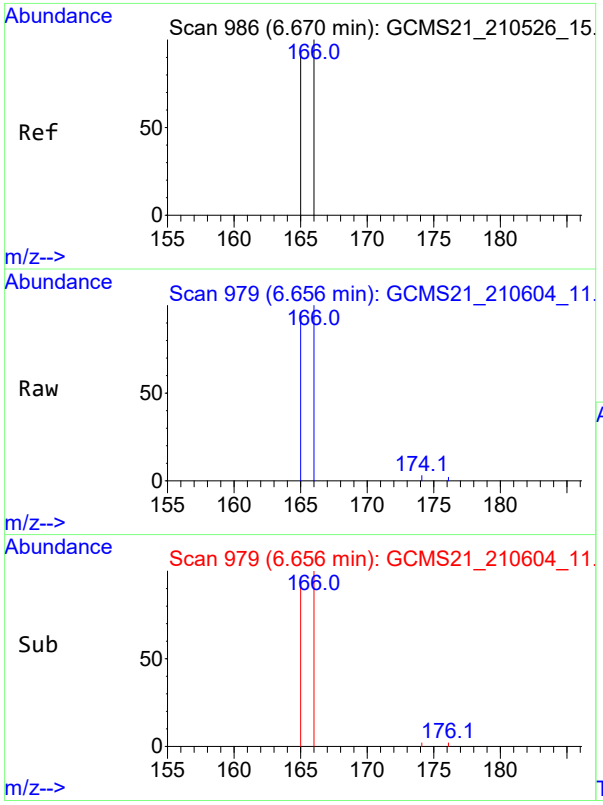


#9
Fluorene-D10
Concen: 30.74 ng/mL
RT: 6.625 min Scan# 964
Delta R.T. 0.002 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:176 Resp: 20988

Ion	Ratio	Lower	Upper
176	100		
174	99.0	63.9	123.9

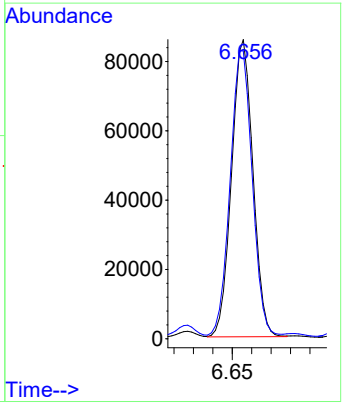


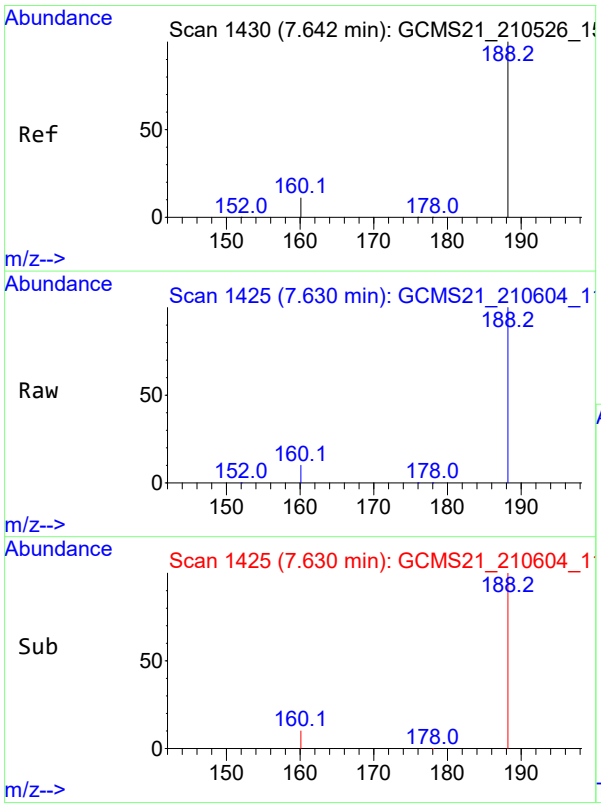


#10
Fluorene
Concen: 81.67 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. 0.004 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:166 Resp: 65488

Ion	Ratio	Lower	Upper
166	100		
165	98.4	65.1	125.1

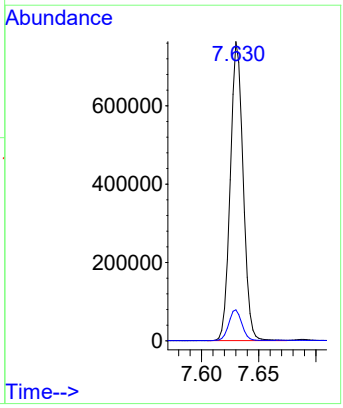


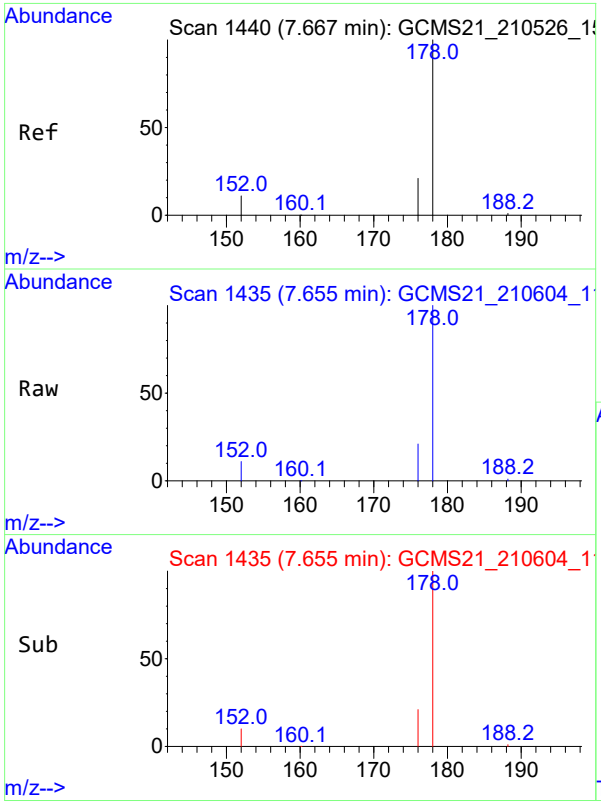


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.630 min Scan# 1425
Delta R.T. 0.003 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:188 Resp: 594428

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	41.1

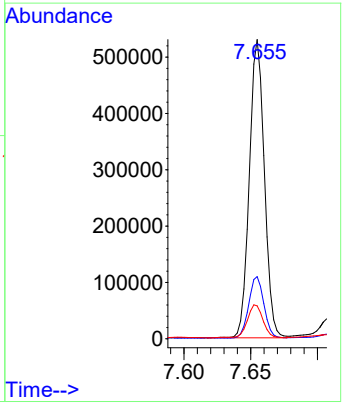


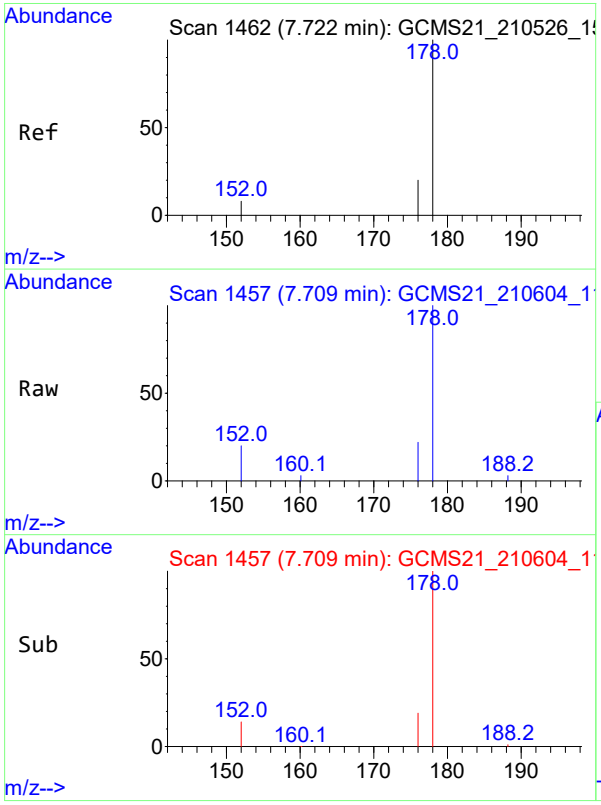


#12
Phenanthrene
Concen: 289.20 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. 0.005 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:178 Resp: 414889

Ion	Ratio	Lower	Upper
178	100		
176	20.7	0.0	51.1
152	11.0	0.0	40.5

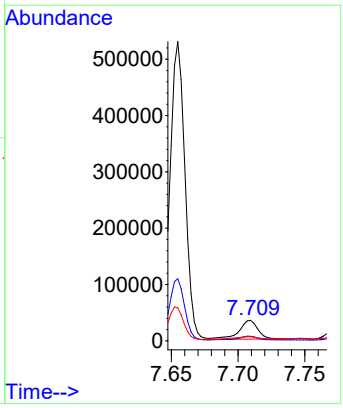


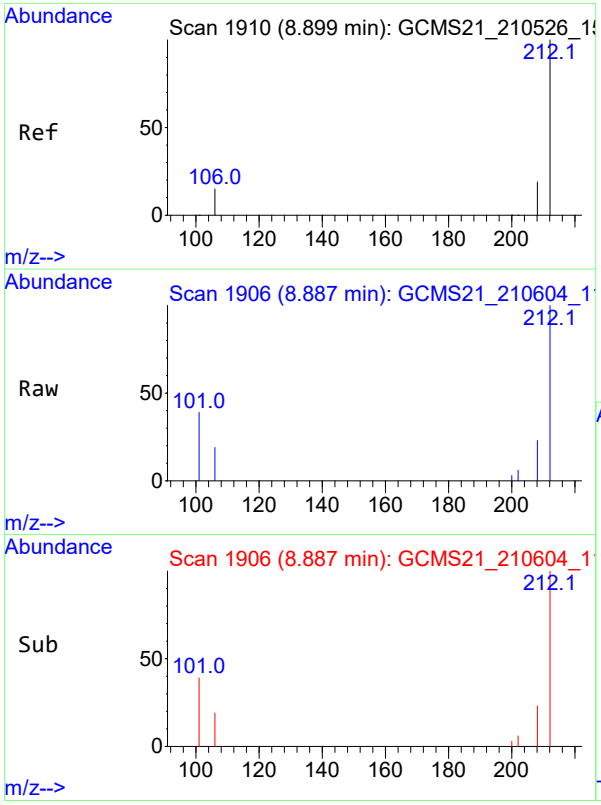


#13
Anthracene
Concen: 27.73 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:178 Resp: 33085

Ion	Ratio	Lower	Upper
178	100		
176	22.6	0.0	50.0
152	22.2	0.0	38.2

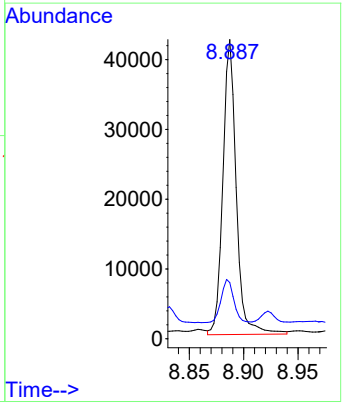


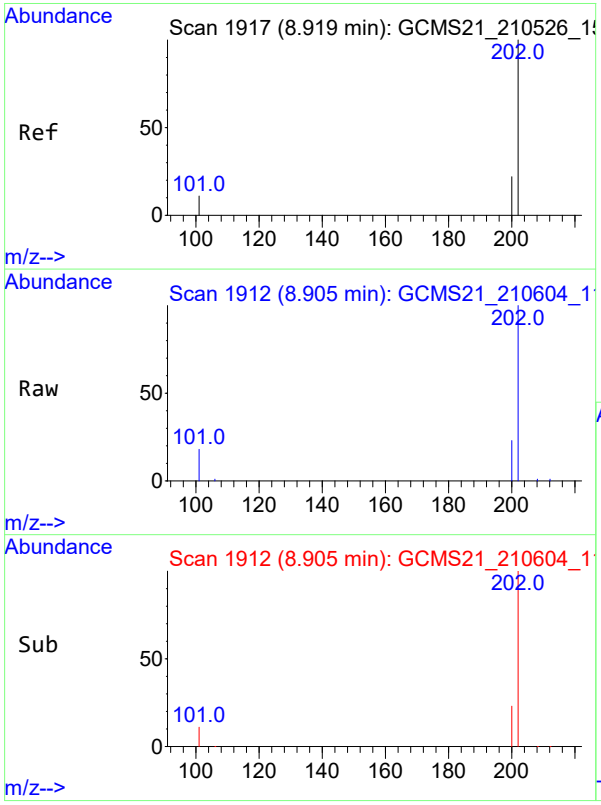


#14
Fluoranthene-D10
Concen: 28.06 ng/mL
RT: 8.887 min Scan# 1906
Delta R.T. 0.006 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:212 Resp: 36115

Ion	Ratio	Lower	Upper
212	100		
106	13.9	0.0	43.1

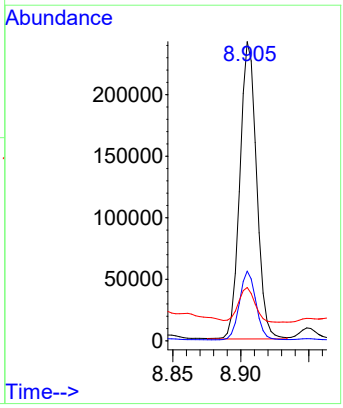


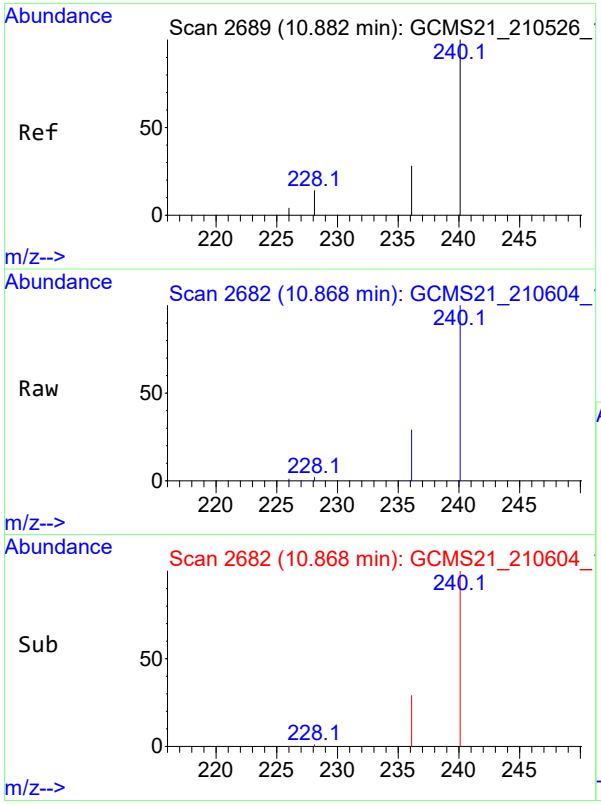


#15
Fluoranthene
Concen: 136.12 ng/mL
RT: 8.905 min Scan# 1912
Delta R.T. 0.006 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:202 Resp: 206105

Ion	Ratio	Lower	Upper
202	100		
200	22.7	0.0	53.3
101	11.5	0.0	41.8

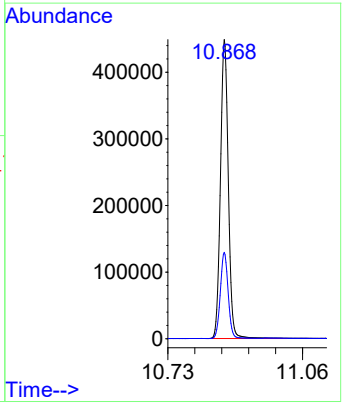


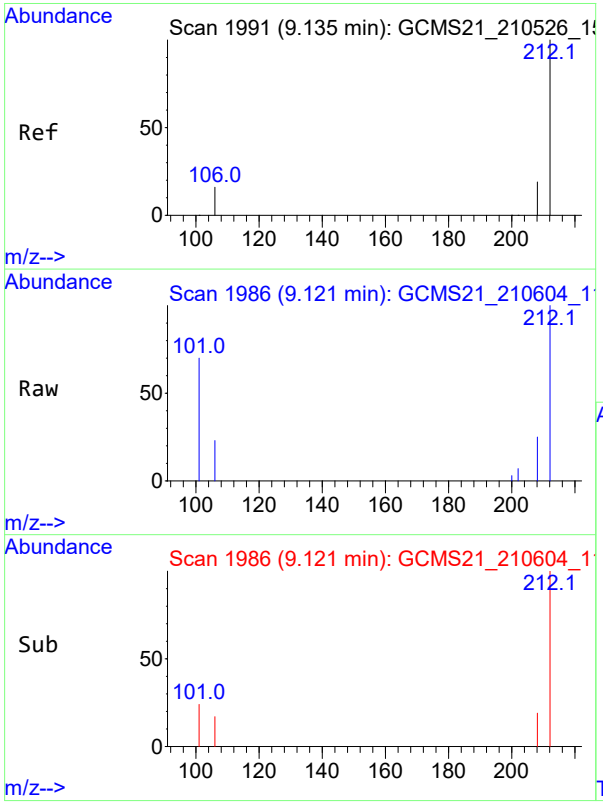


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.006 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:240 Resp: 596476

Ion	Ratio	Lower	Upper
240	100		
236	28.8	0.0	58.5

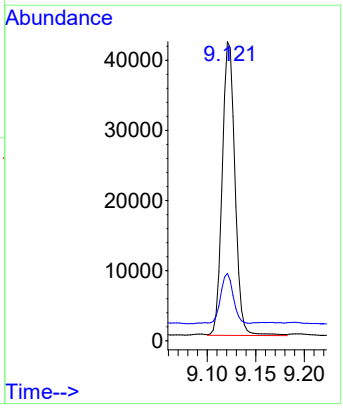


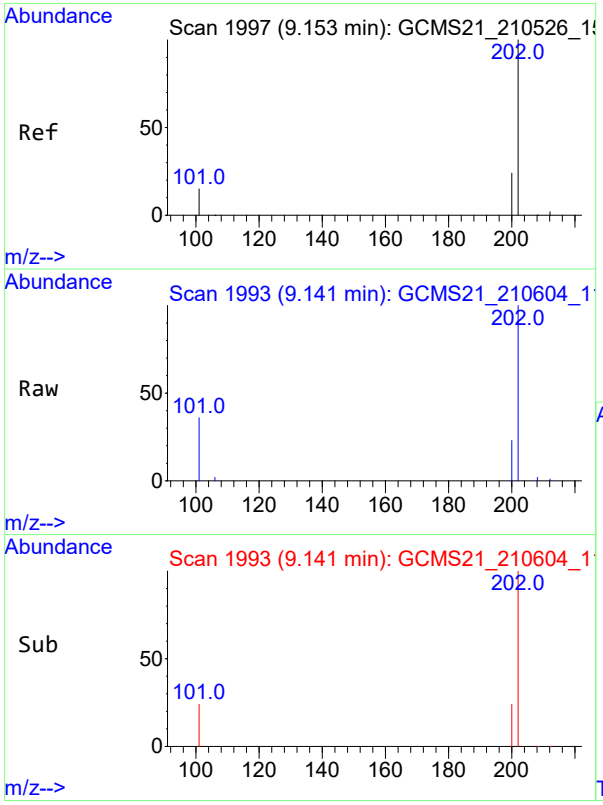


#17
Pyrene-D10
Concen: 28.09 ng/mL
RT: 9.121 min Scan# 1986
Delta R.T. 0.001 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:212 Resp: 38227

Ion	Ratio	Lower	Upper
212	100		
106	17.1	0.0	46.3

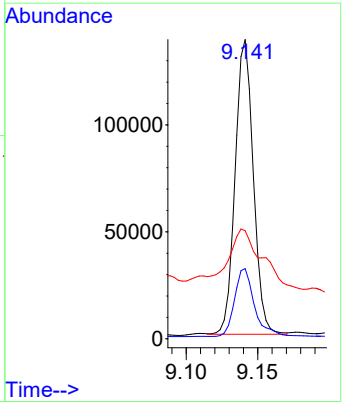


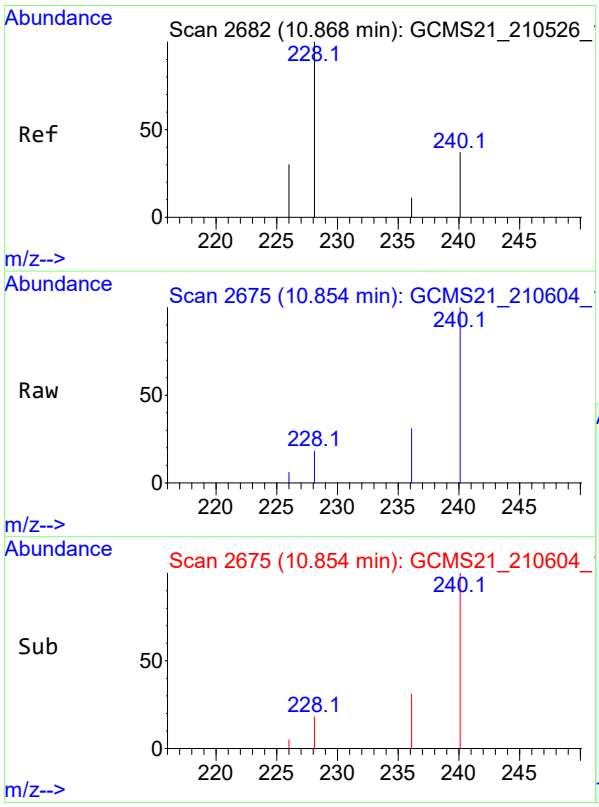


#18
Pyrene
Concen: 76.58 ng/mL
RT: 9.141 min Scan# 1993
Delta R.T. 0.001 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:202 Resp: 121740

Ion	Ratio	Lower	Upper
202	100		
200	25.4	0.0	53.3
101	69.0	0.0	43.2#

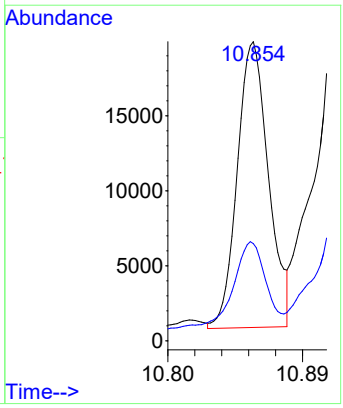


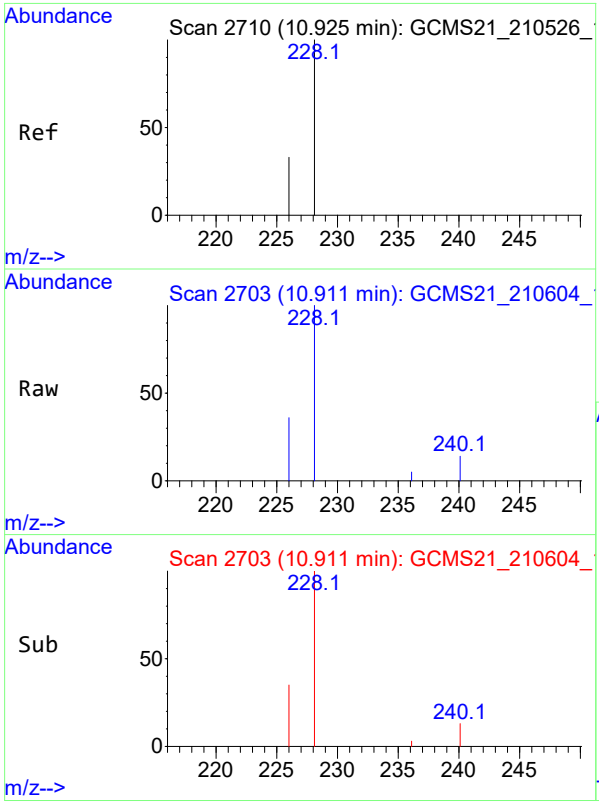


#19
Benzo(a)anthracene
Concen: 23.08 ng/mL
RT: 10.854 min Scan# 2675
Delta R.T. 0.006 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:228 Resp: 27694

Ion	Ratio	Lower	Upper
228	100		
226	34.2	0.0	59.2

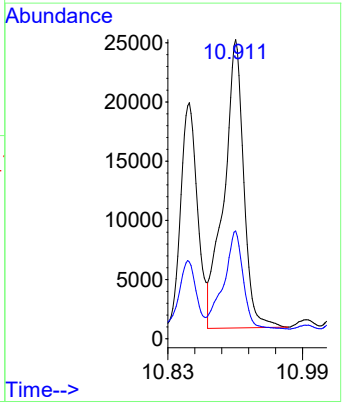


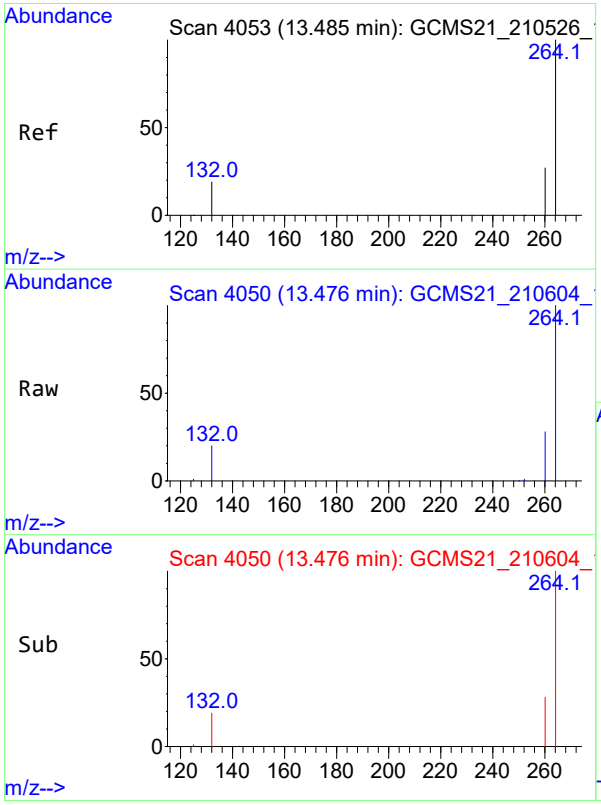


#20
Chrysene
Concen: 27.90 ng/mL
RT: 10.911 min Scan# 2703
Delta R.T. 0.006 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:228 Resp: 41332

Ion	Ratio	Lower	Upper
228	100		
226	34.4	1.9	61.9

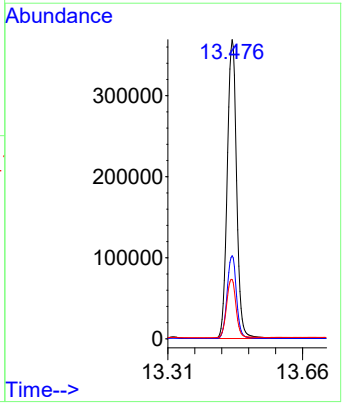


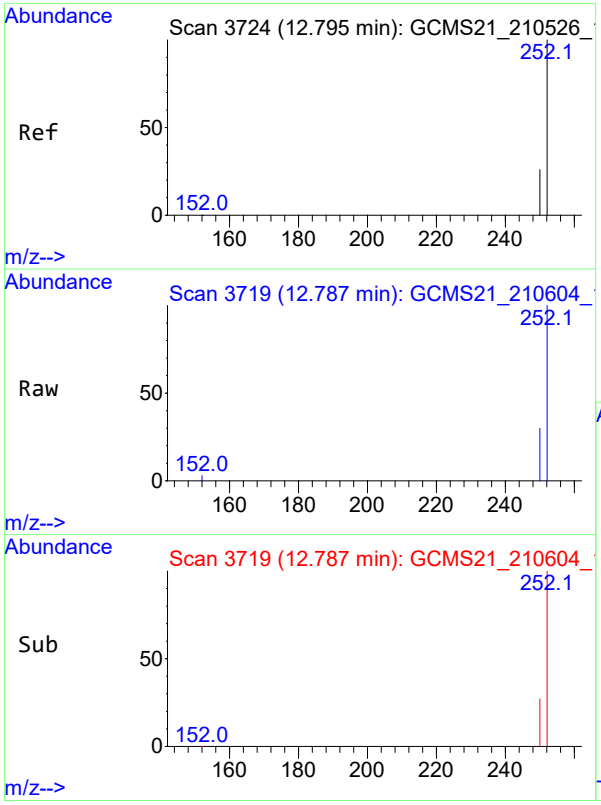


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.476 min Scan# 4050
Delta R.T. 0.015 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:264 Resp: 629733

Ion	Ratio	Lower	Upper
264	100		
260	27.8	0.0	57.7
132	19.7	0.0	49.0

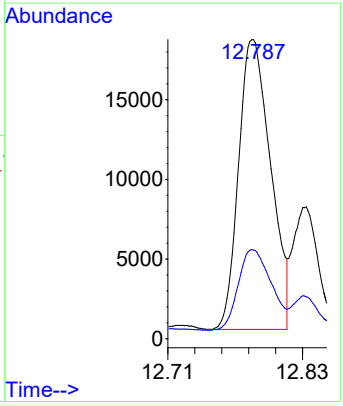


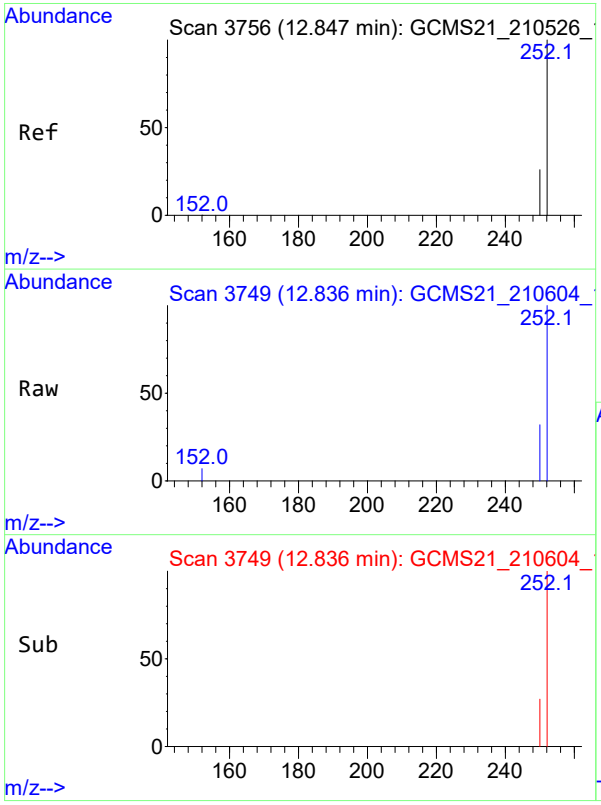


#22
Benzo(b)fluoranthene
Concen: 28.56 ng/mL
RT: 12.787 min Scan# 3719
Delta R.T. 0.014 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:252 Resp: 37334

Ion	Ratio	Lower	Upper
252	100		
250	28.7	0.0	56.1

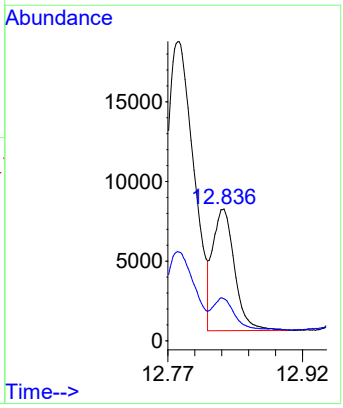


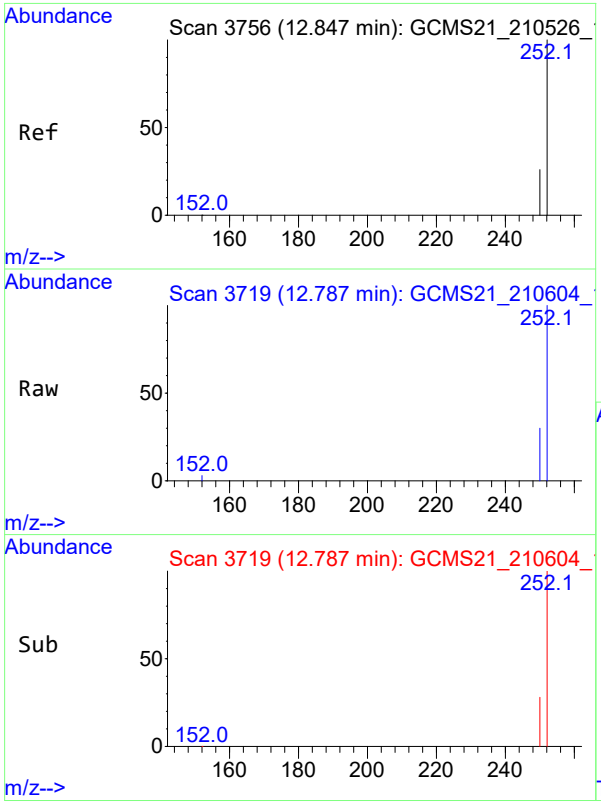


#23
Benzo(k)fluoranthene
Concen: 8.74 ng/mL
RT: 12.836 min Scan# 3749
Delta R.T. 0.013 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:252 Resp: 12655

Ion	Ratio	Lower	Upper
252	100		
250	26.1	0.0	55.4

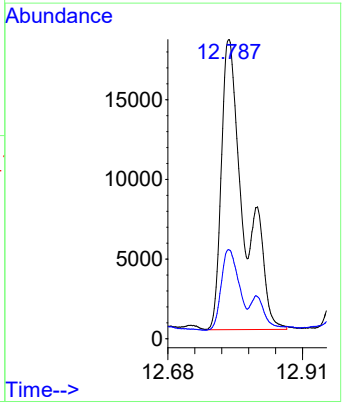


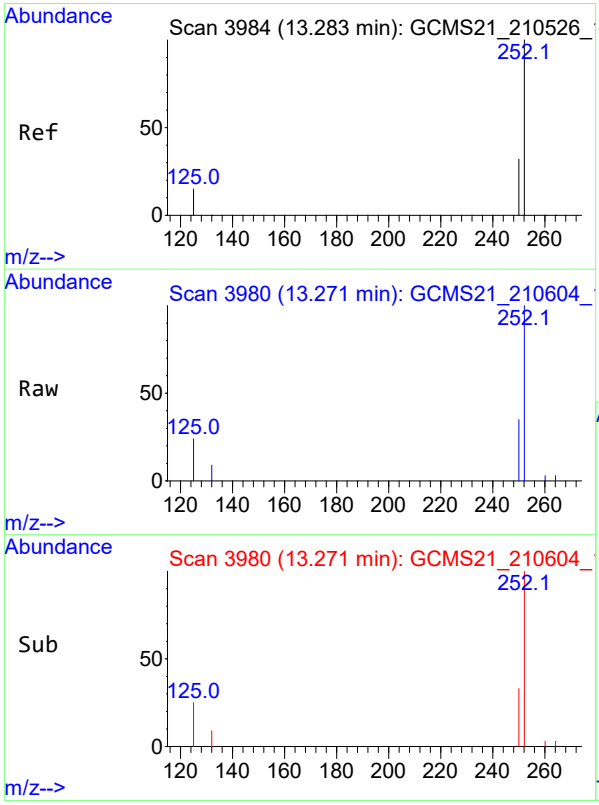


#24
benzo(b+k)fluoranthene (sum)
Concen: 35.37 ng/mL m
RT: 12.787 min Scan# 3719
Delta R.T. -0.036 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:252 Resp: 50241

Ion	Ratio	Lower	Upper
252	100		
250	6.6	0.0	55.4

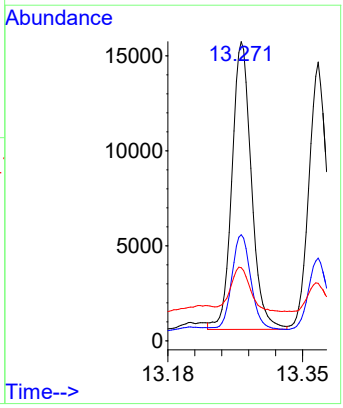


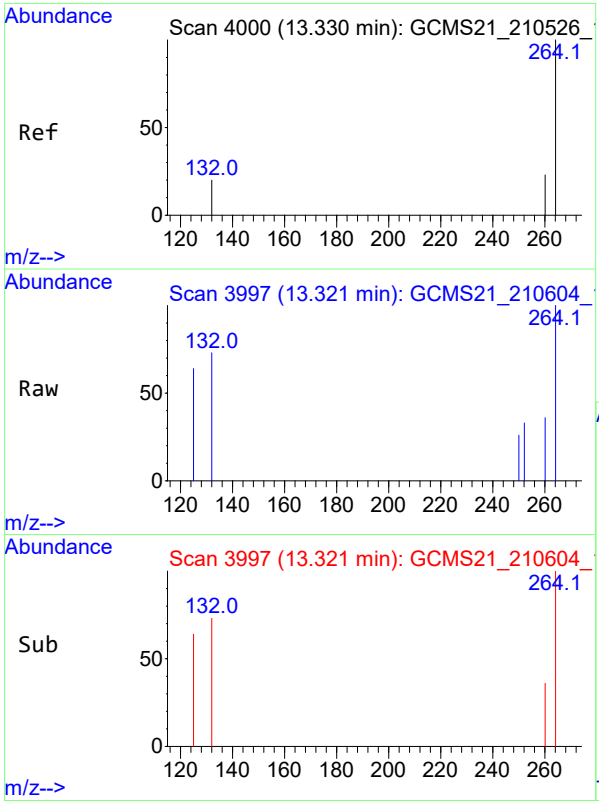


#25
Benzo(e)pyrene
Concen: 18.85 ng/mL
RT: 13.271 min Scan# 3980
Delta R.T. 0.012 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:252 Resp: 24846

Ion	Ratio	Lower	Upper
252	100		
250	33.4	2.1	62.1
125	35.4	0.0	45.8

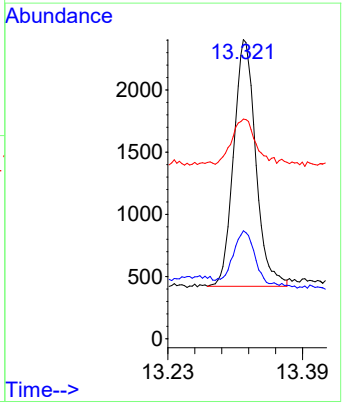


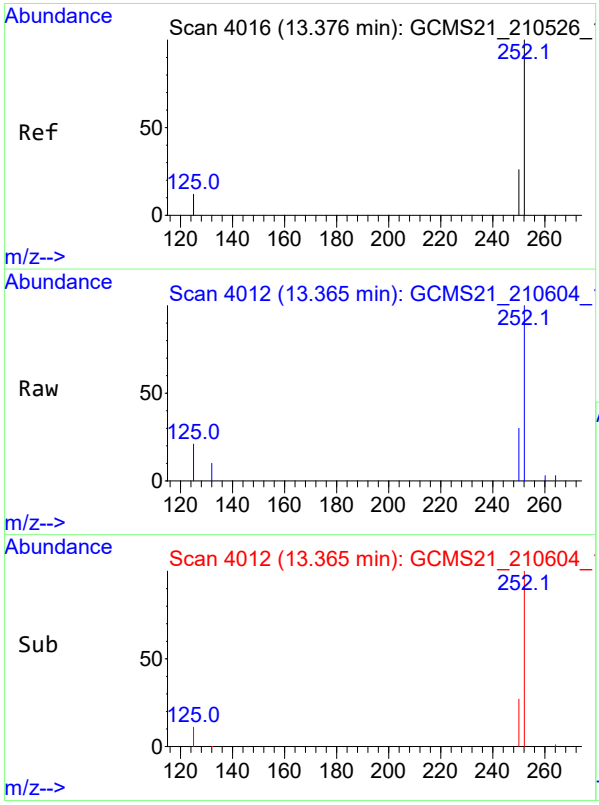


#26
Benzo(a)pyrene-D12
Concen: 3.39 ng/mL
RT: 13.321 min Scan# 3997
Delta R.T. 0.009 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:264 Resp: 3472

Ion	Ratio	Lower	Upper
264	100		
260	21.9	0.0	52.9
132	19.6	0.0	48.4

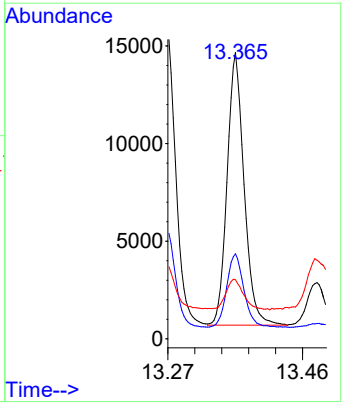


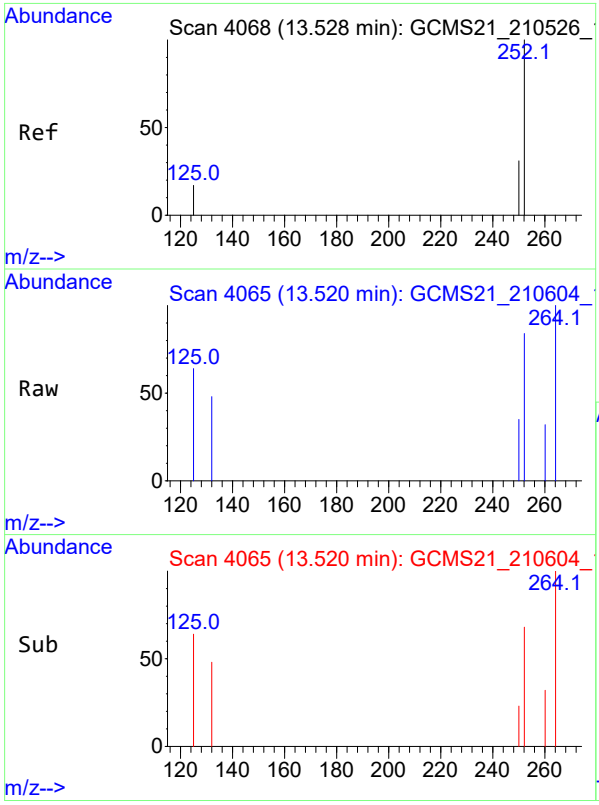


#27
Benzo(a)pyrene
Concen: 18.76 ng/mL
RT: 13.365 min Scan# 4012
Delta R.T. 0.015 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:252 Resp: 22376

Ion	Ratio	Lower	Upper
252	100		
250	27.2	0.0	56.7
125	11.0	0.0	42.1

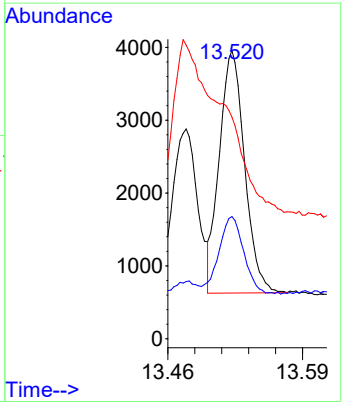


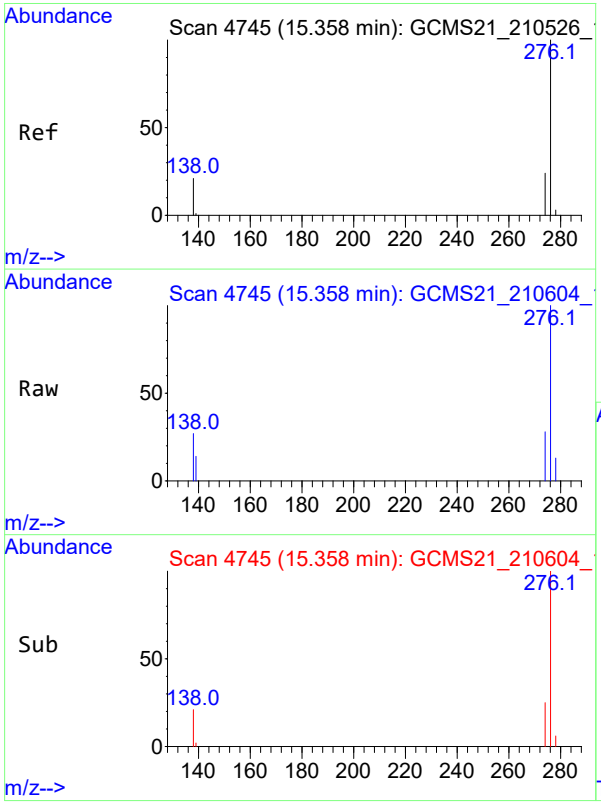


#28
Perylene
Concen: 4.17 ng/mL
RT: 13.520 min Scan# 4065
Delta R.T. 0.015 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:252 Resp: 5586

Ion	Ratio	Lower	Upper
252	100		
250	31.1	1.2	61.2
125	0.0	0.0	46.5

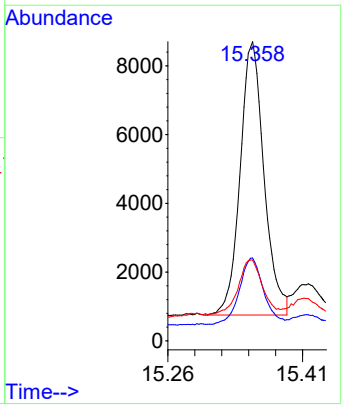


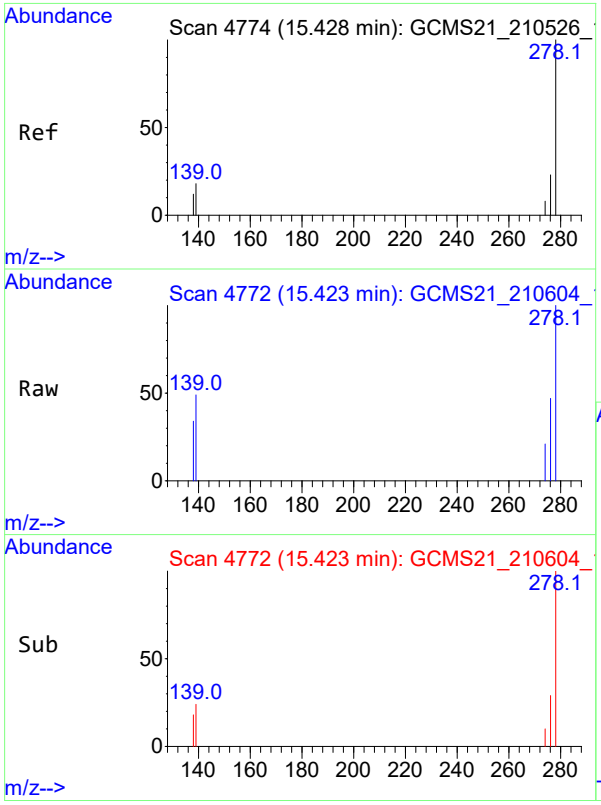


#29
Indeno(1,2,3-cd)pyrene
Concen: 14.51 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.026 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:276 Resp: 14812

Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	53.5
138	22.0	0.0	50.6

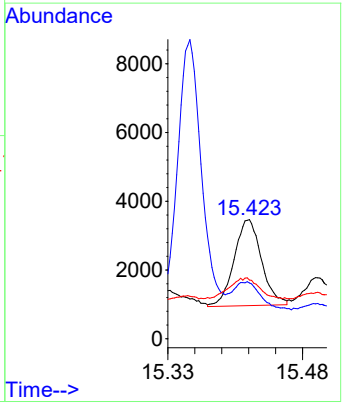


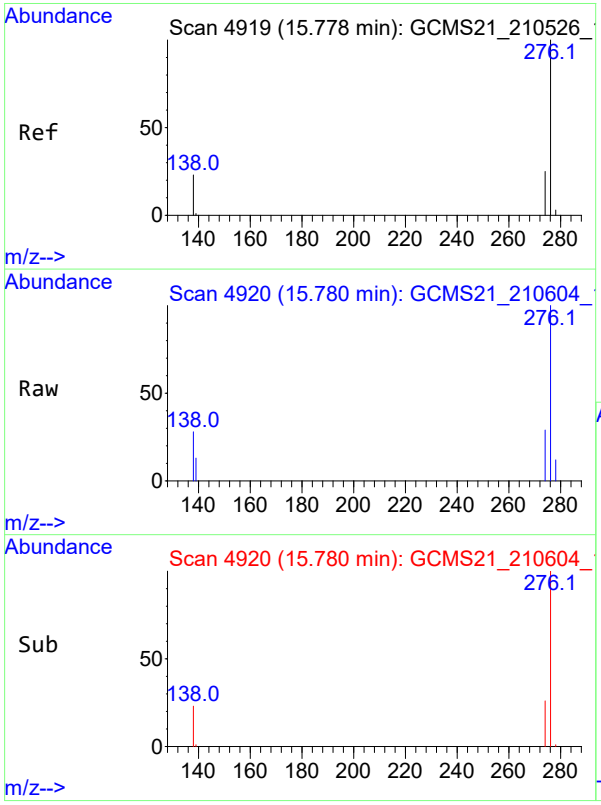


#30
Dibenz(a,h)anthracene
Concen: 5.12 ng/mL
RT: 15.423 min Scan# 4772
Delta R.T. 0.019 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:278 Resp: 5207

Ion	Ratio	Lower	Upper
278	100		
276	37.2	0.0	58.7
139	26.9	0.0	47.2

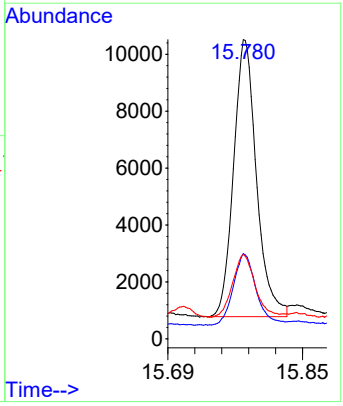




#31
Benzo(g,h,i)perylene
Concen: 14.16 ng/mL
RT: 15.780 min Scan# 4920
Delta R.T. 0.024 min
Lab File: GCMS21_210604_11.D
Acq: 04 Jun 2021 12:49

Tgt Ion:276 Resp: 18783

Ion	Ratio	Lower	Upper
276	100		
274	25.9	0.0	54.2
138	22.4	0.0	52.4



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_13.D
Acq On : 04 Jun 2021 13:39
Operator : MN GCMS21
Sample : 2105001-04RE1
Misc : 100µL+100µL 21D3002 (2X)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 30 12:02:51 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

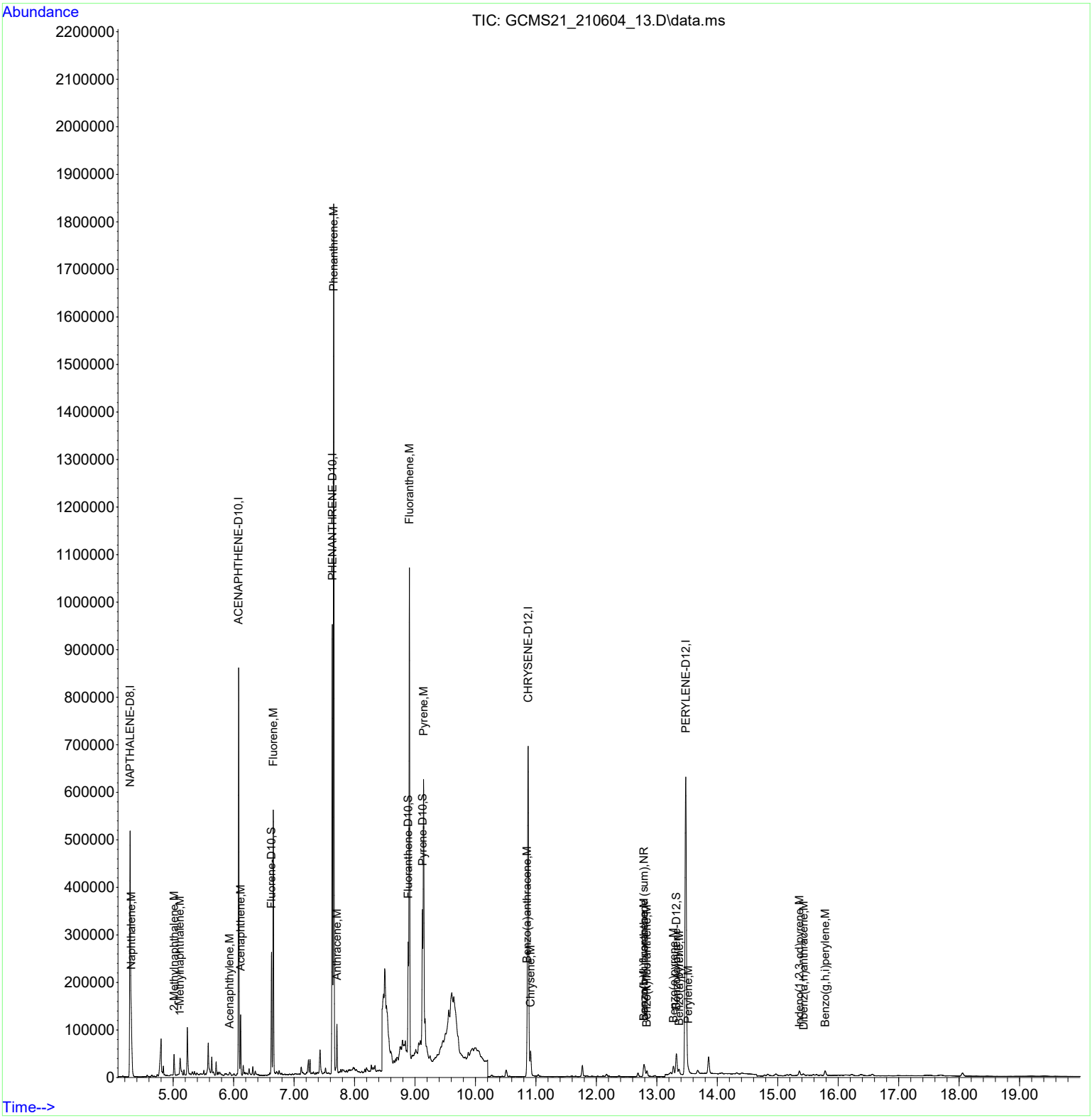
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.288	136	534148	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	324185	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.633	188	679777	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.872	240	703145	500.00	ng/mL	0.01
21) PERYLENE-D12	13.479	264	708083	500.00	ng/mL	0.02
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.627	176	99342	127.99	ng/mL	0.00
14) Fluoranthene-D10	8.887	212	157497	107.00	ng/mL	0.00
17) Pyrene-D10	9.124	212	181152	112.92	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.324	264	53090	46.15	ng/mL	0.01
Target Compounds						Qvalue
2) Naphthalene	4.308	128	57751	56.35	ng/mL	99
4) 2-Methylnaphthalene	5.016	142	19271	25.53	ng/mL	99
5) 1-Methylnaphthalene	5.112	142	9047	14.39	ng/mL	93
7) Acenaphthylene	5.932	152	3790	3.52	ng/mL#	87
8) Acenaphthene	6.116	153	35753	43.41	ng/mL	95
10) Fluorene	6.656	166	210529	230.93	ng/mL	100
12) Phenanthrene	7.655	178	1091123	665.07	ng/mL	99
13) Anthracene	7.709	178	68049	49.88	ng/mL	94
15) Fluoranthene	8.908	202	617749	356.77	ng/mL	99
18) Pyrene	9.141	202	357653	190.85	ng/mL	79
19) Benzo(a)anthracene	10.854	228	40255	28.46	ng/mL	98
20) Chrysene	10.911	228	59024	33.80	ng/mL	97
22) Benzo(b)fluoranthene	12.787	252	41708	28.38	ng/mL	94
23) Benzo(k)fluoranthene	12.836	252	14848	9.12	ng/mL	97
24) benzo(b+k)fluoranthene...	12.787	252	56731m	35.52	ng/mL	
25) Benzo(e)pyrene	13.274	252	19820	13.37	ng/mL	90
27) Benzo(a)pyrene	13.368	252	12830	9.56	ng/mL	96
28) Perylene	13.520	252	3725	2.47	ng/mL#	82
29) Indeno(1,2,3-cd)pyrene	15.358	276	12569	10.95	ng/mL	97
30) Dibenz(a,h)anthracene	15.426	278	3491	3.05	ng/mL	73
31) Benzo(g,h,i)perylene	15.785	276	12782	8.57	ng/mL	96

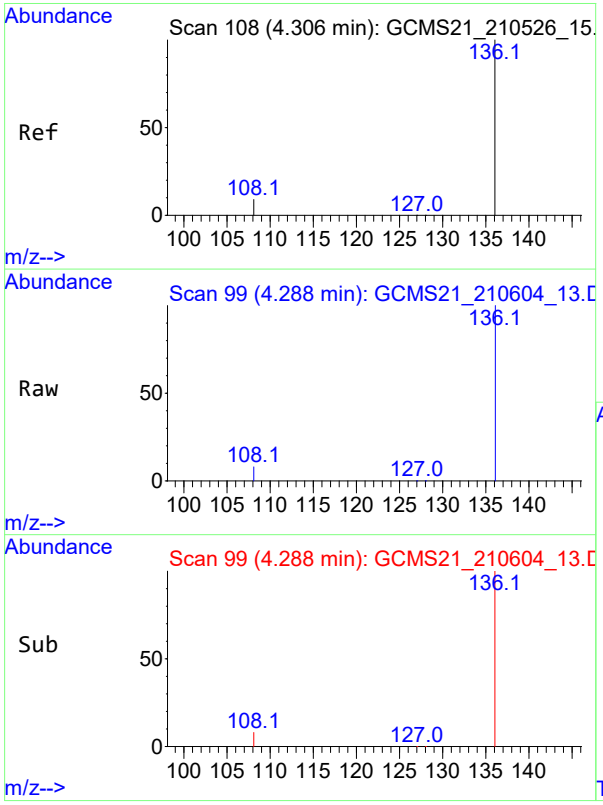
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_13.D
Acq On : 04 Jun 2021 13:39
Operator : MN GCMS21
Sample : 2105001-04RE1
Misc : 100µL+100µL 21D3002 (2X)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 30 12:02:51 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

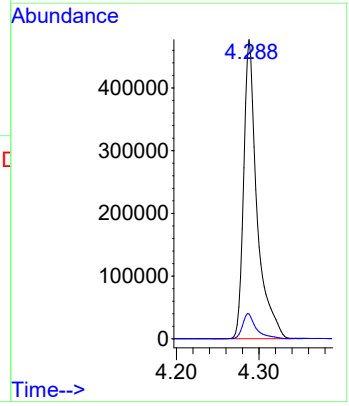


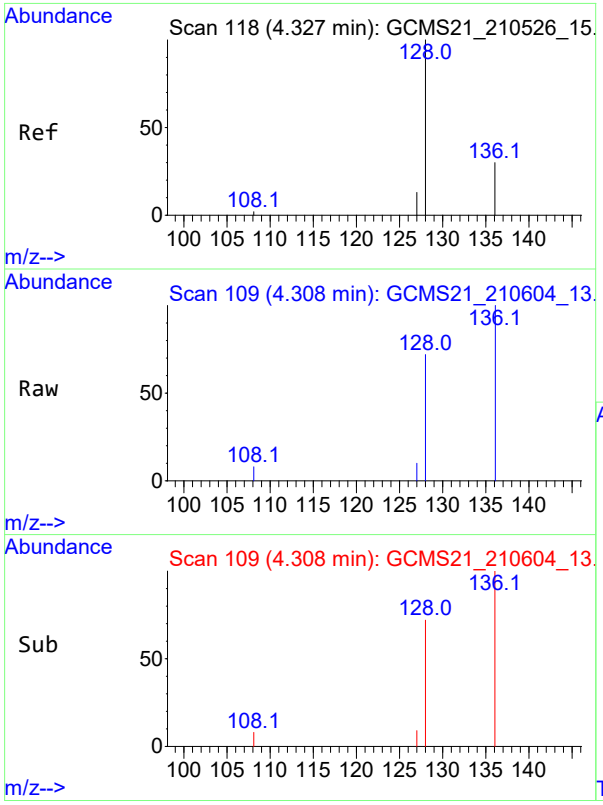


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.288 min Scan# 99
Delta R.T. 0.000 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:136 Resp: 534148

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.6

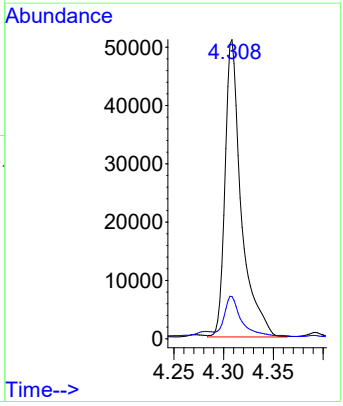


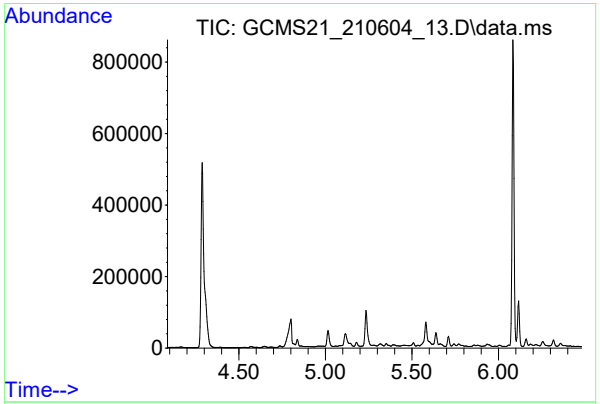


#2
Naphthalene
Concen: 56.35 ng/mL
RT: 4.308 min Scan# 109
Delta R.T. 0.000 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:128 Resp: 57751

Ion	Ratio	Lower	Upper
128	100		
127	13.7	0.0	43.4



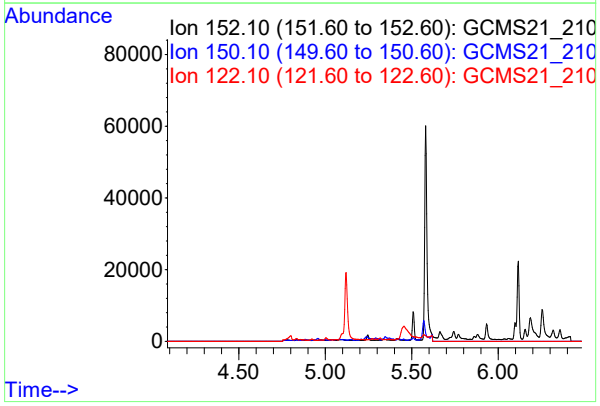


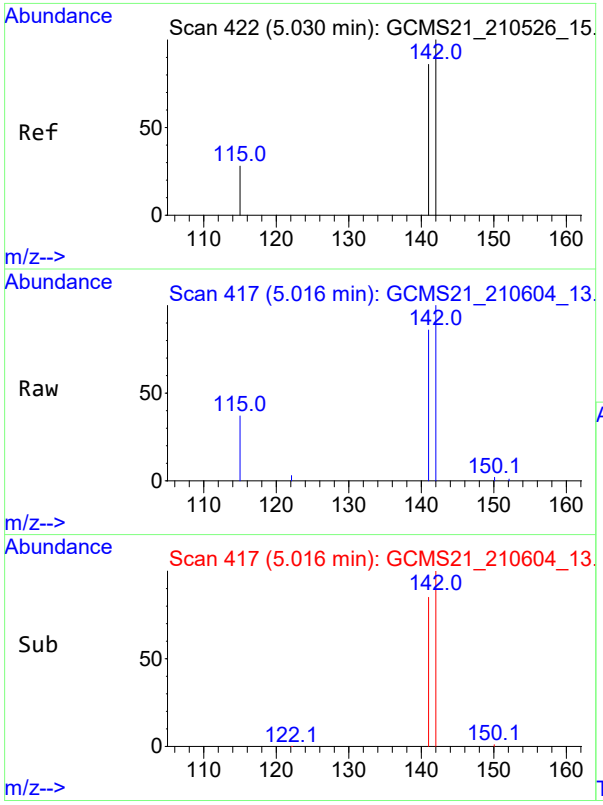
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.98 min

Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.8

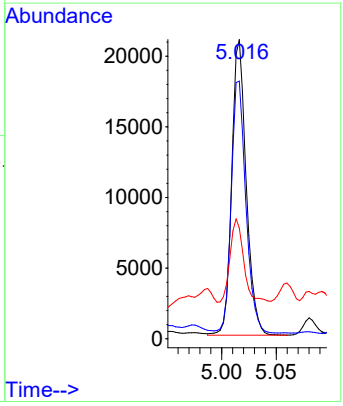


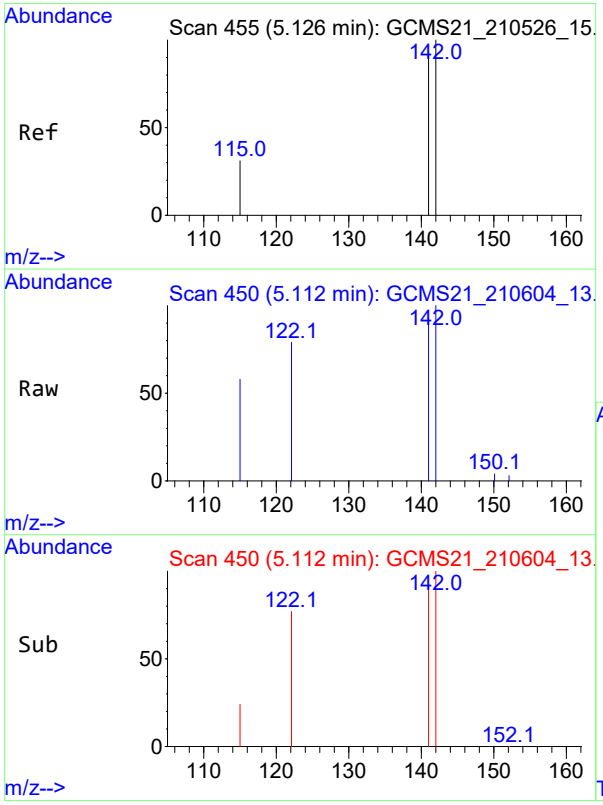


#4
2-Methylnaphthalene
Concen: 25.53 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. 0.003 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:142 Resp: 19271

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.9	116.9
115	26.3	0.0	57.7

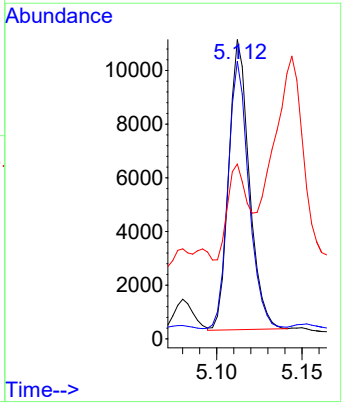


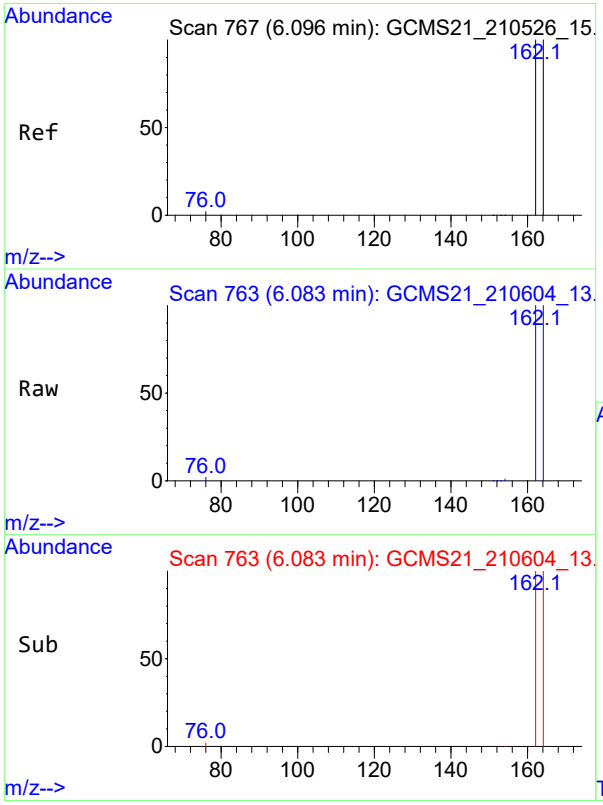


#5
1-Methylnaphthalene
Concen: 14.39 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. 0.000 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:142 Resp: 9047

Ion	Ratio	Lower	Upper
142	100		
141	93.3	57.9	117.9
115	31.5	0.0	57.0

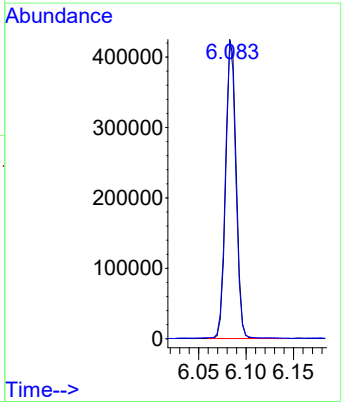


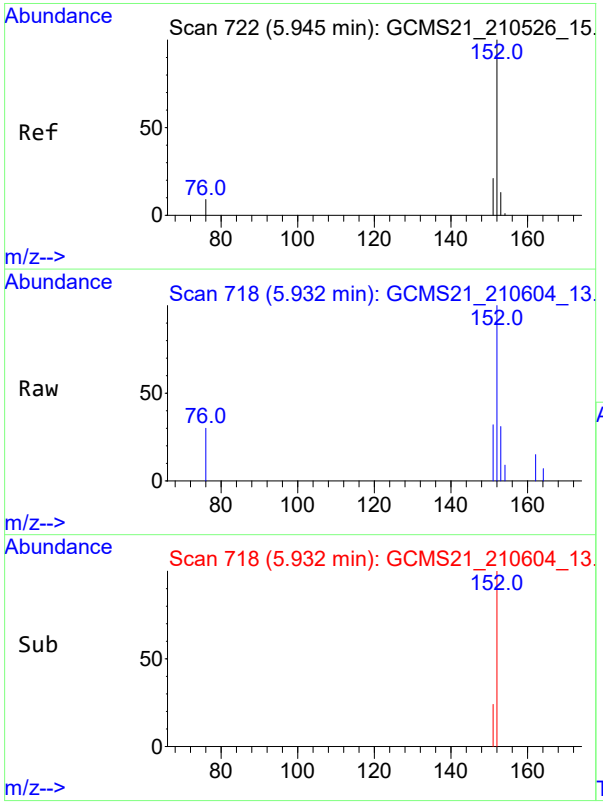


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:164 Resp: 324185

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.0	121.0

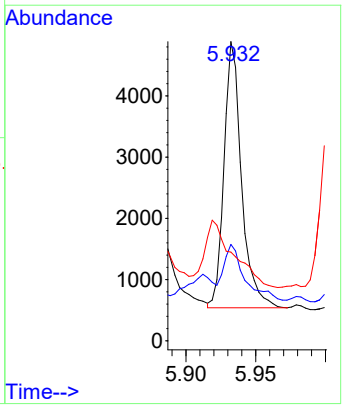


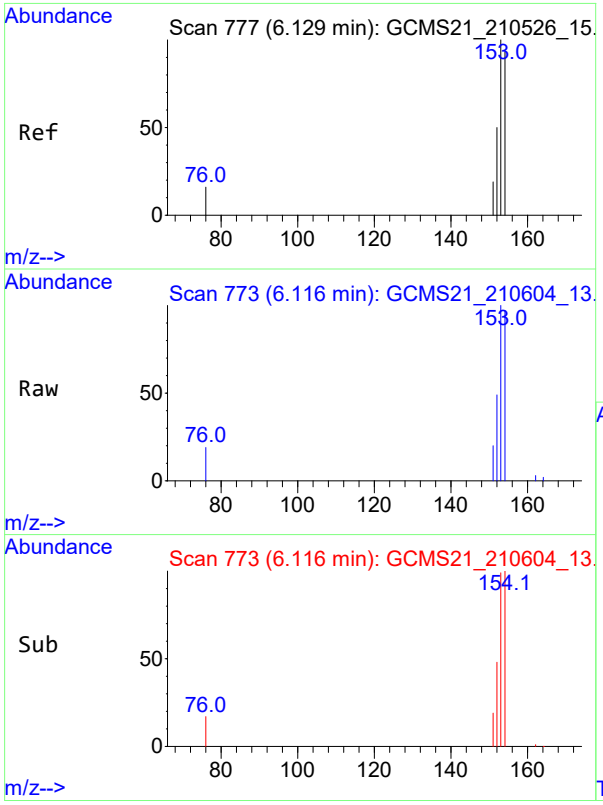


#7
Acenaphthylene
Concen: 3.52 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:152 Resp: 3790

Ion	Ratio	Lower	Upper
152	100		
151	25.0	0.0	51.0
76	0.0	0.0	38.6

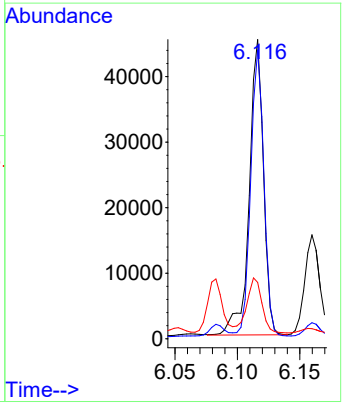


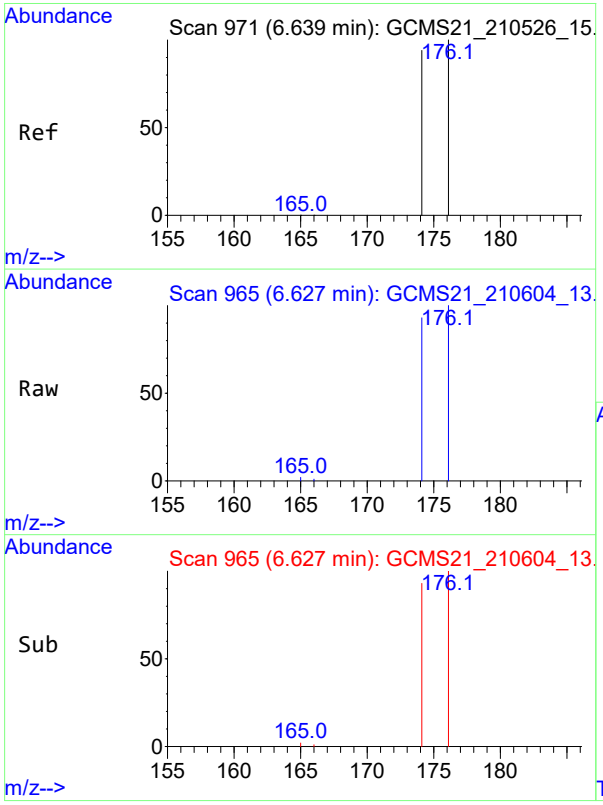


#8
Acenaphthene
Concen: 43.41 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:153 Resp: 35753

Ion	Ratio	Lower	Upper
153	100		
154	89.8	63.7	123.7
76	19.9	0.0	45.2

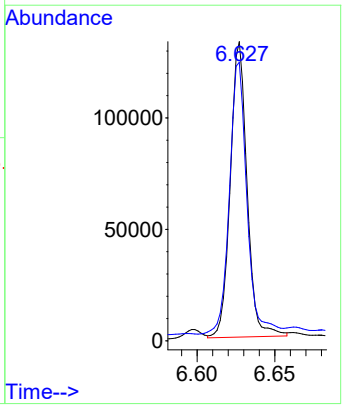


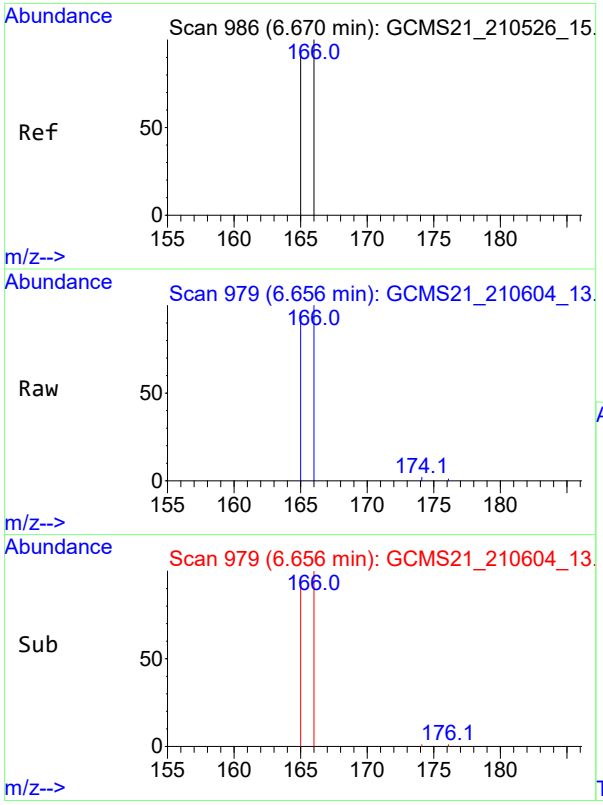


#9
Fluorene-D10
Concen: 127.99 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. 0.004 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:176 Resp: 99342

Ion	Ratio	Lower	Upper
176	100		
174	97.6	63.9	123.9

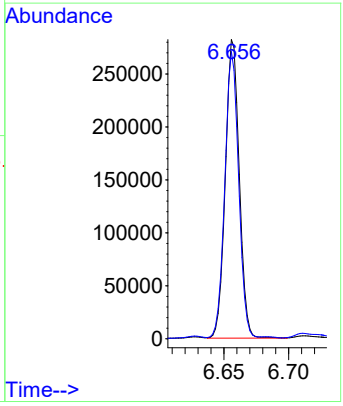


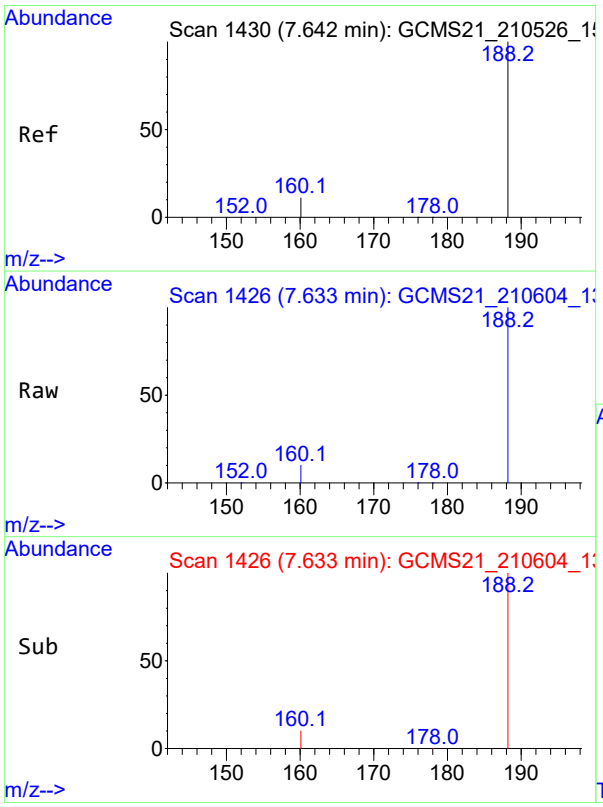


#10
Fluorene
Concen: 230.93 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. 0.004 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:166 Resp: 210529

Ion	Ratio	Lower	Upper
166	100		
165	95.1	65.1	125.1

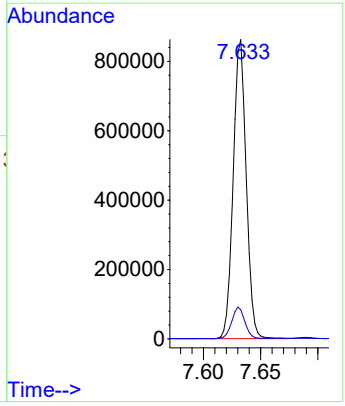


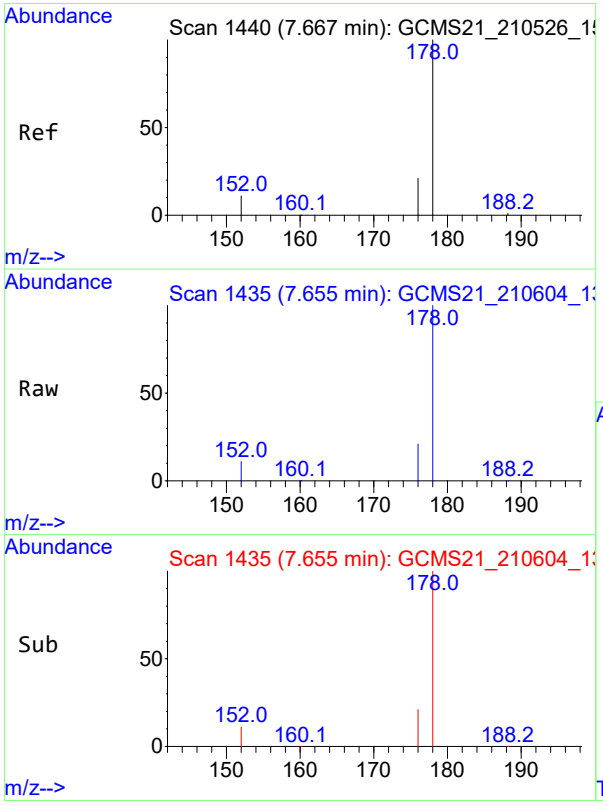


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.633 min Scan# 1426
Delta R.T. 0.005 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:188 Resp: 679777

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	41.1

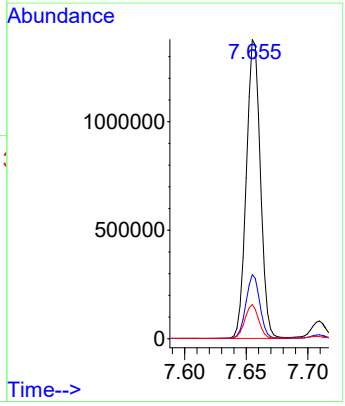


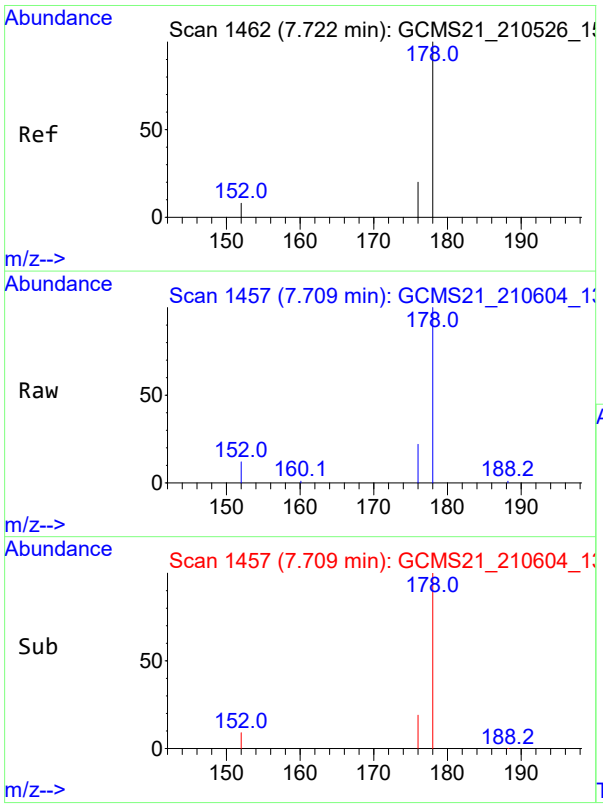


#12
Phenanthrene
Concen: 665.07 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. 0.005 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:178 Resp: 1091123

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	11.1	0.0	40.5

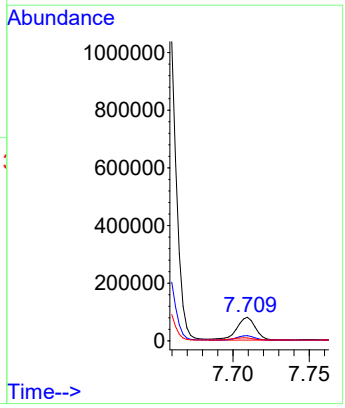


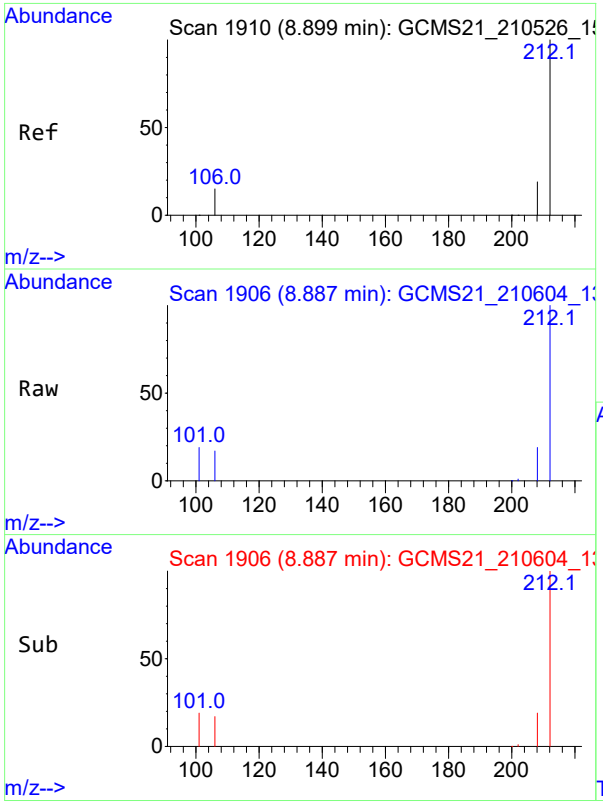


#13
Anthracene
Concen: 49.88 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:178 Resp: 68049

Ion	Ratio	Lower	Upper
178	100		
176	18.8	0.0	50.0
152	13.4	0.0	38.2

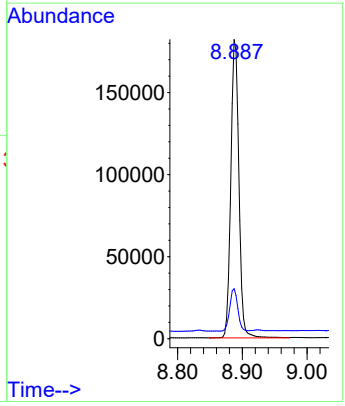


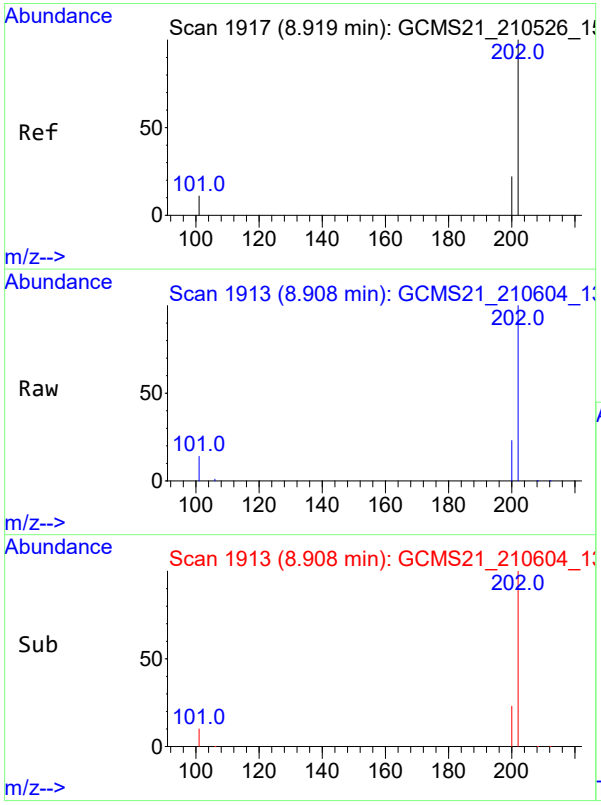


#14
Fluoranthene-D10
Concen: 107.00 ng/mL
RT: 8.887 min Scan# 1906
Delta R.T. 0.006 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:212 Resp: 157497

Ion	Ratio	Lower	Upper
212	100		
106	14.1	0.0	43.1

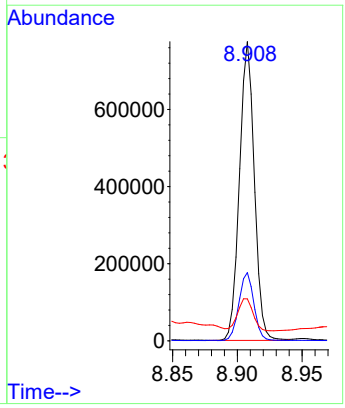


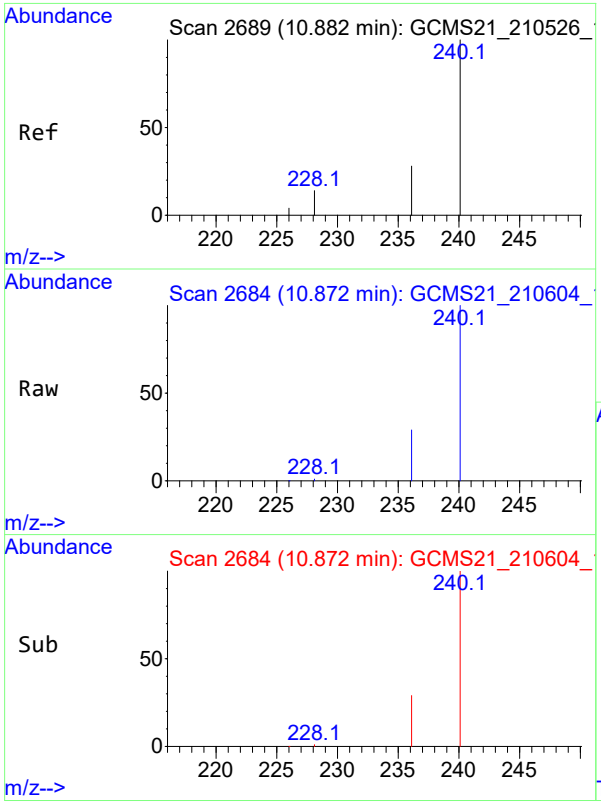


#15
Fluoranthene
Concen: 356.77 ng/mL
RT: 8.908 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:202 Resp: 617749

Ion	Ratio	Lower	Upper
202	100		
200	23.0	0.0	53.3
101	11.1	0.0	41.8

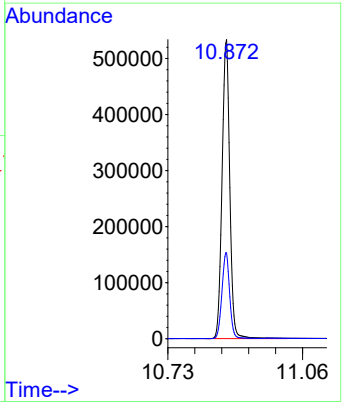


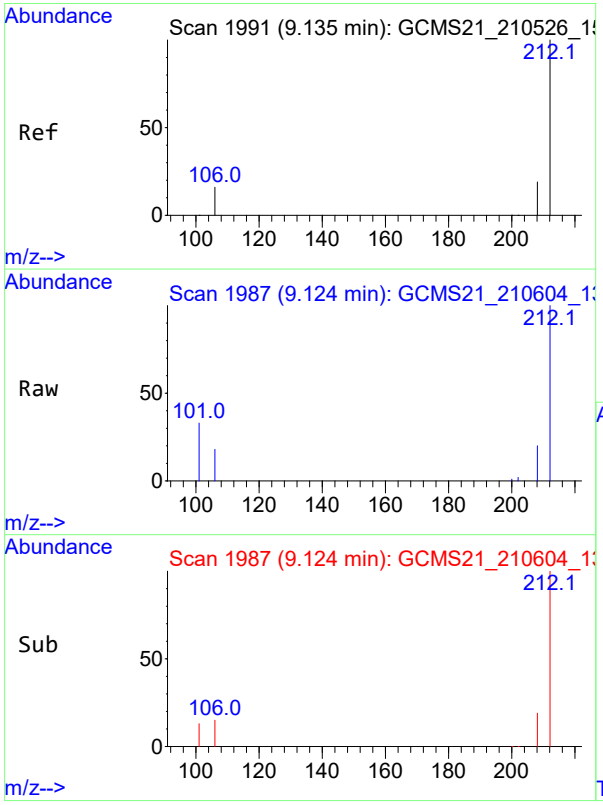


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.872 min Scan# 2684
Delta R.T. 0.010 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:240 Resp: 703145

Ion	Ratio	Lower	Upper
240	100		
236	28.7	0.0	58.5

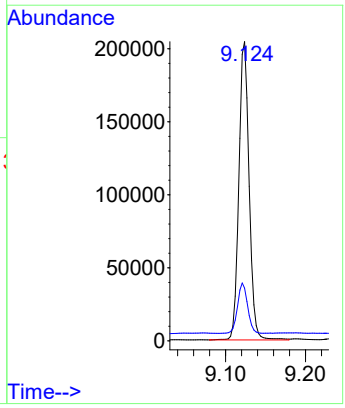


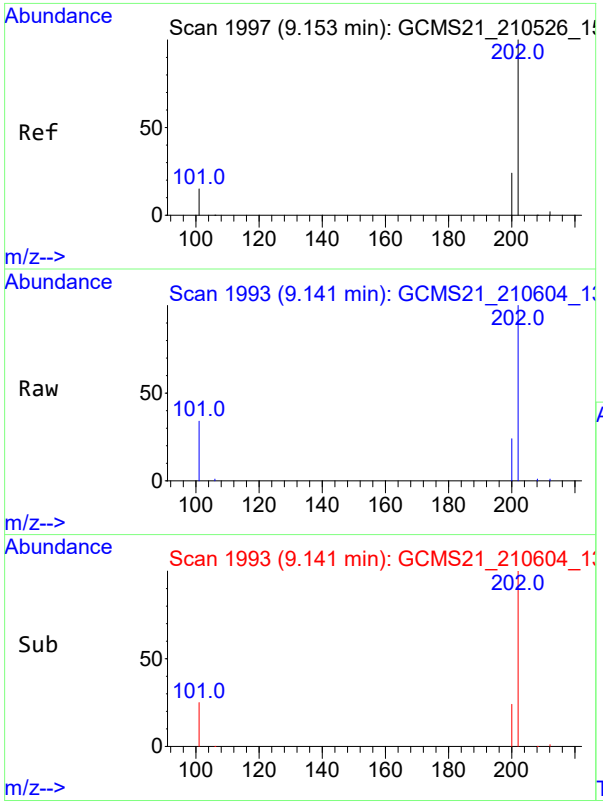


#17
Pyrene-D10
Concen: 112.92 ng/mL
RT: 9.124 min Scan# 1987
Delta R.T. 0.004 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:212 Resp: 181152

Ion	Ratio	Lower	Upper
212	100		
106	16.7	0.0	46.3

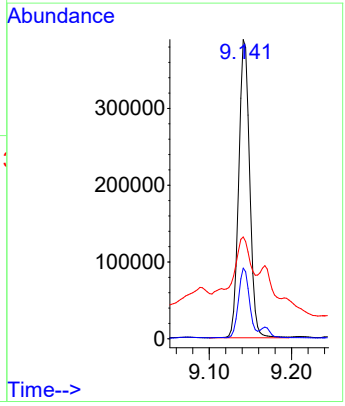


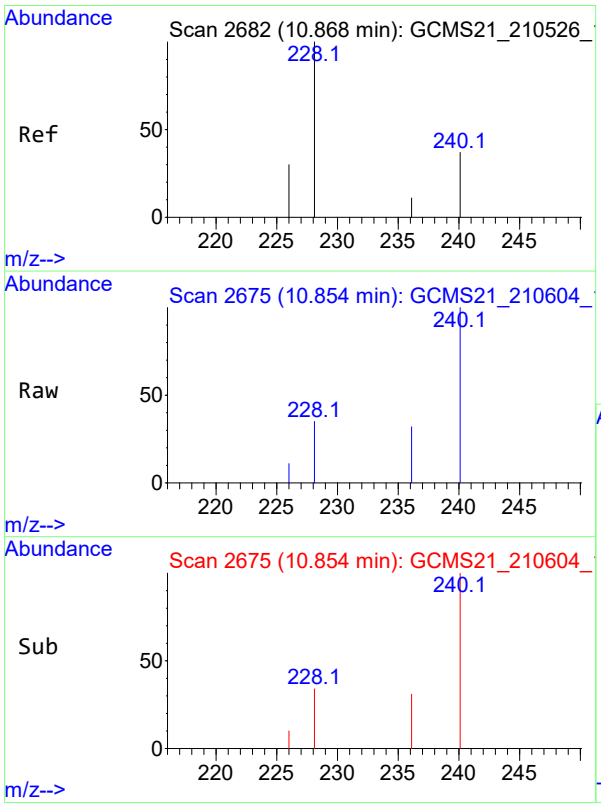


#18
Pyrene
Concen: 190.85 ng/mL
RT: 9.141 min Scan# 1993
Delta R.T. 0.001 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:202 Resp: 357653

Ion	Ratio	Lower	Upper
202	100		
200	23.9	0.0	53.3
101	35.0	0.0	43.2

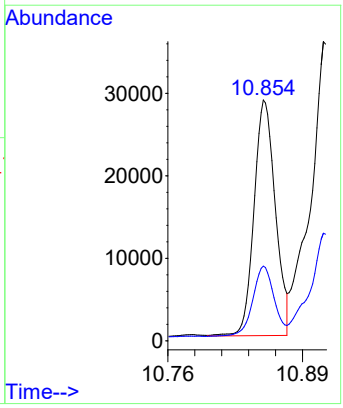


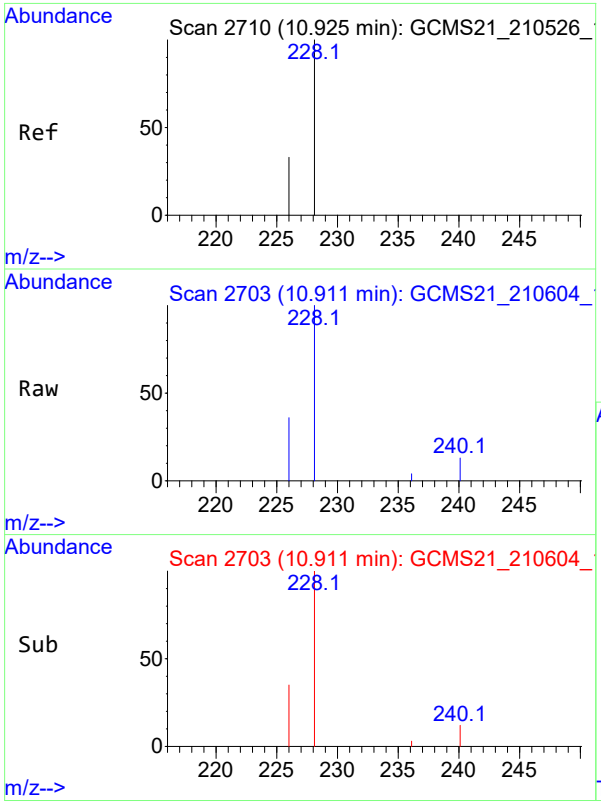


#19
Benzo(a)anthracene
Concen: 28.46 ng/mL
RT: 10.854 min Scan# 2675
Delta R.T. 0.006 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:228 Resp: 40255

Ion	Ratio	Lower	Upper
228	100		
226	30.4	0.0	59.2

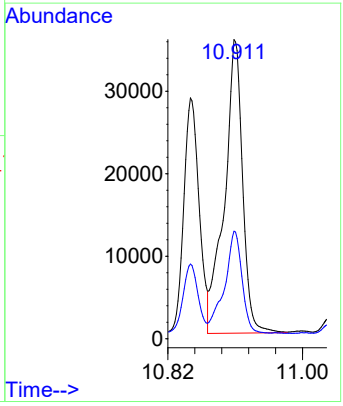


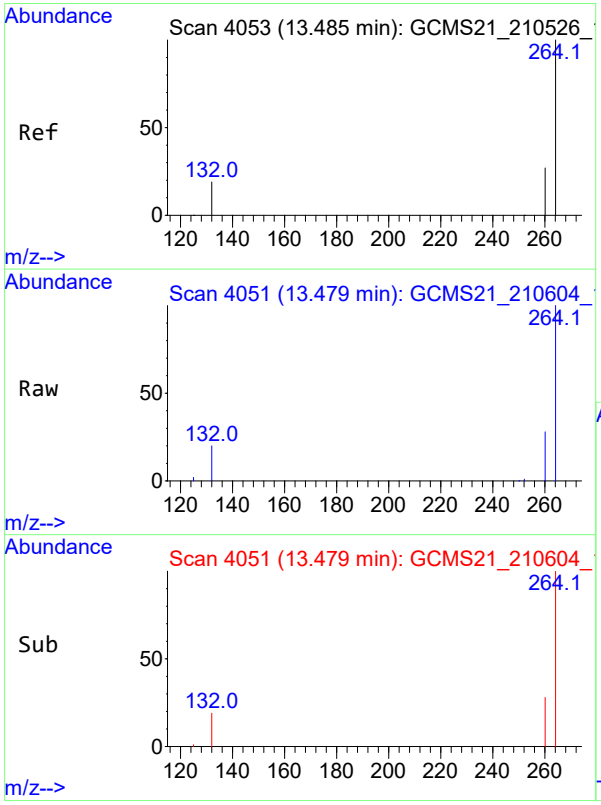


#20
Chrysene
Concen: 33.80 ng/mL
RT: 10.911 min Scan# 2703
Delta R.T. 0.006 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:228 Resp: 59024

Ion	Ratio	Lower	Upper
228	100		
226	33.7	1.9	61.9

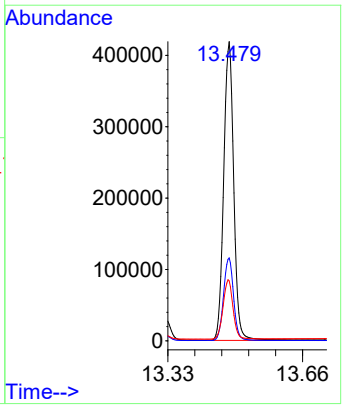


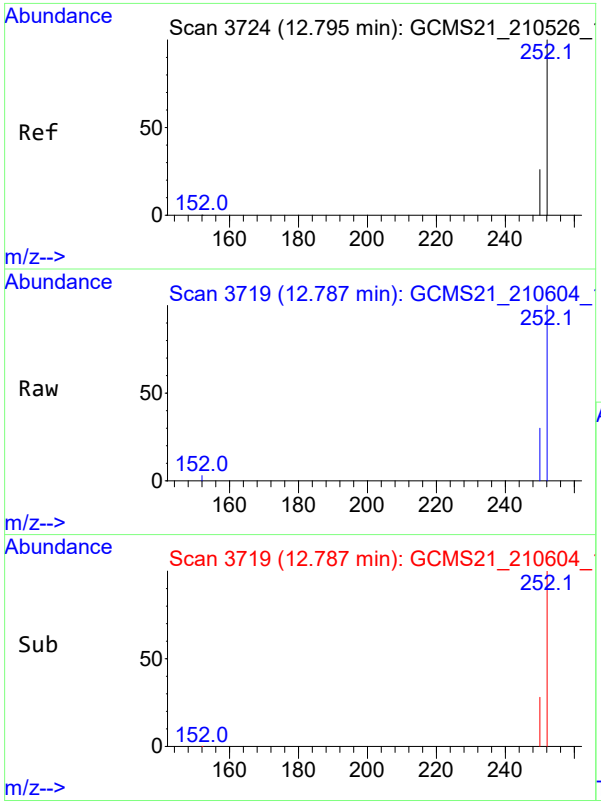


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.479 min Scan# 4051
Delta R.T. 0.018 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:264 Resp: 708083

Ion	Ratio	Lower	Upper
264	100		
260	27.8	0.0	57.7
132	19.8	0.0	49.0

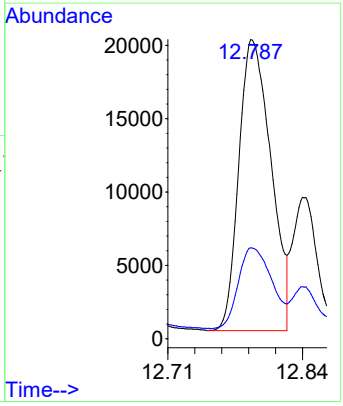


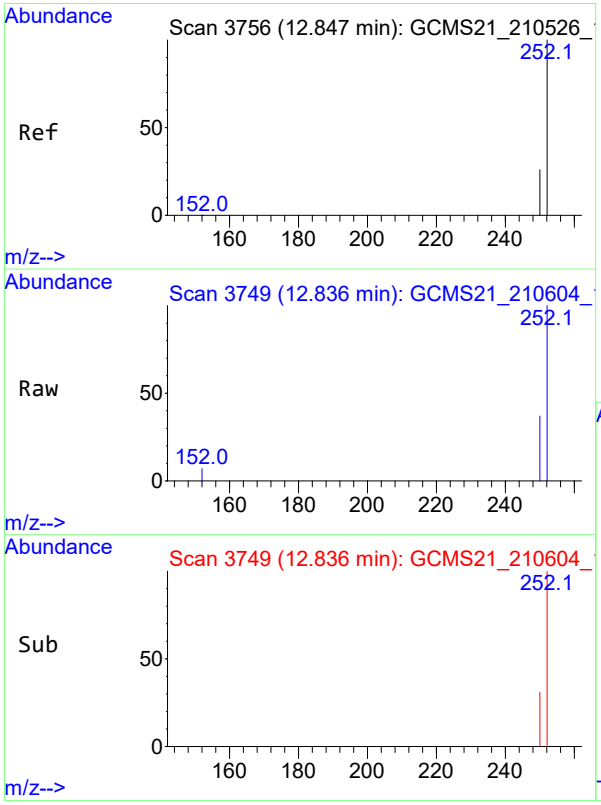


#22
Benzo(b)fluoranthene
Concen: 28.38 ng/mL
RT: 12.787 min Scan# 3719
Delta R.T. 0.015 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:252 Resp: 41708

Ion	Ratio	Lower	Upper
252	100		
250	29.1	0.0	56.1

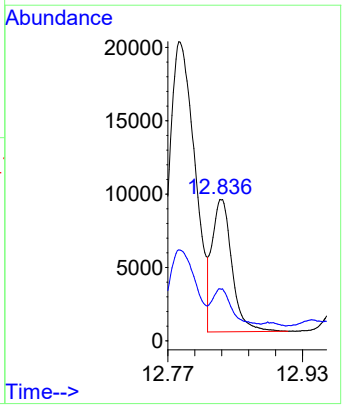


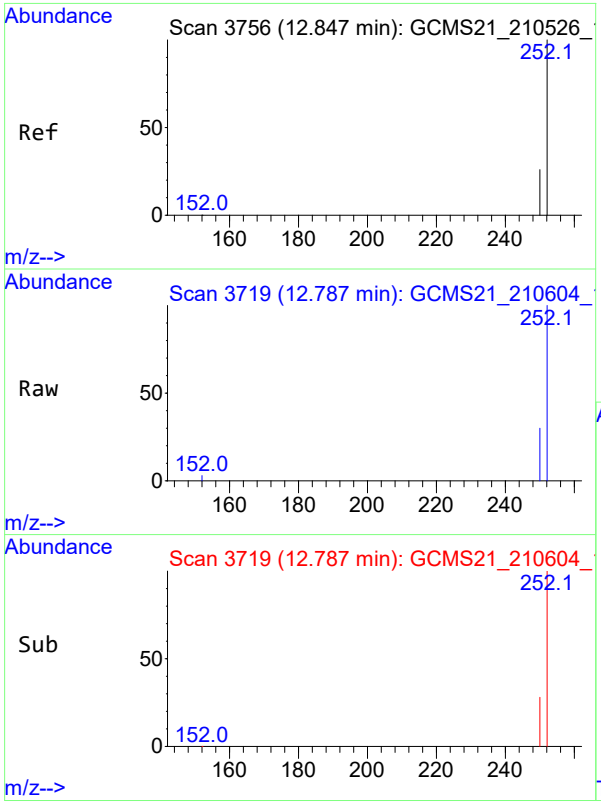


#23
Benzo(k)fluoranthene
Concen: 9.12 ng/mL
RT: 12.836 min Scan# 3749
Delta R.T. 0.013 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:252 Resp: 14848

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	55.4

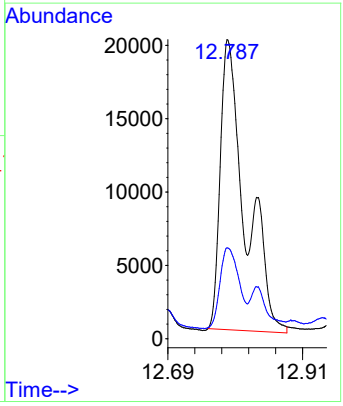


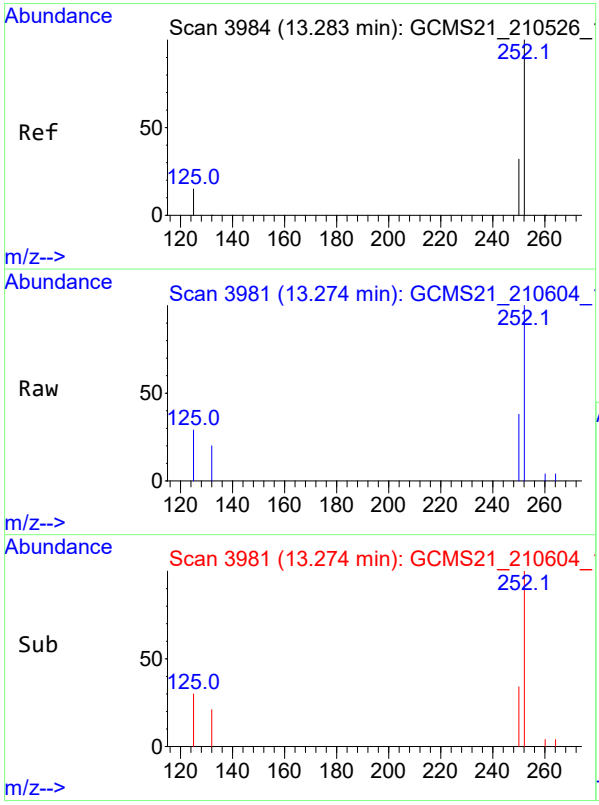


#24
benzo(b+k)fluoranthene (sum)
Concen: 35.52 ng/mL m
RT: 12.787 min Scan# 3719
Delta R.T. -0.036 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:252 Resp: 56731

Ion	Ratio	Lower	Upper
252	100		
250	7.0	0.0	55.4

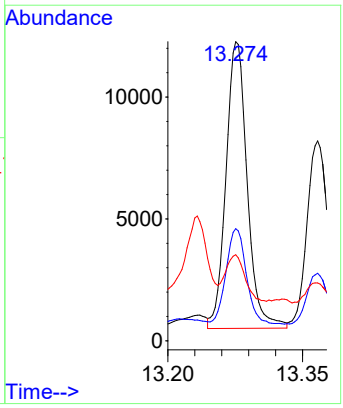


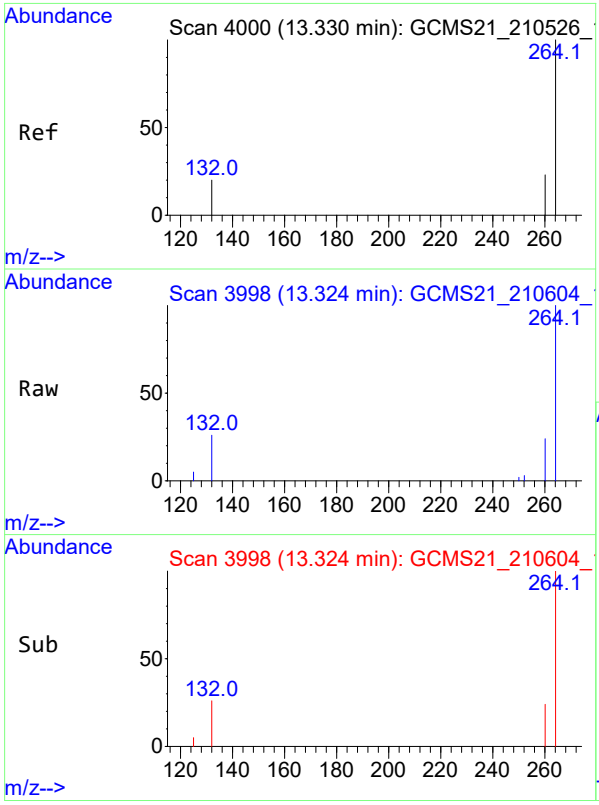


#25
Benzo(e)pyrene
Concen: 13.37 ng/mL
RT: 13.274 min Scan# 3981
Delta R.T. 0.015 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:252 Resp: 19820

Ion	Ratio	Lower	Upper
252	100		
250	33.2	2.1	62.1
125	27.2	0.0	45.8

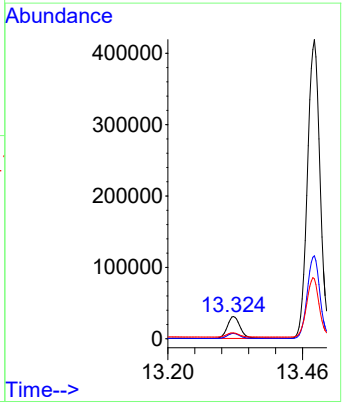


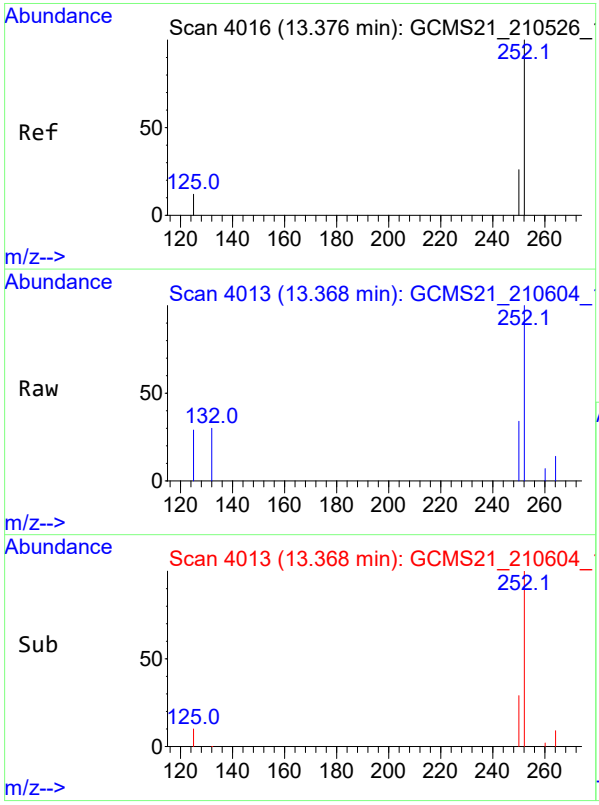


#26
Benzo(a)pyrene-D12
Concen: 46.15 ng/mL
RT: 13.324 min Scan# 3998
Delta R.T. 0.012 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:264 Resp: 53090

Ion	Ratio	Lower	Upper
264	100		
260	22.8	0.0	52.9
132	18.8	0.0	48.4

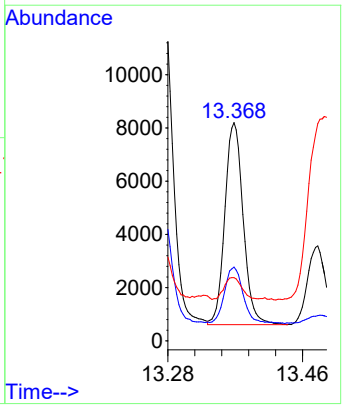


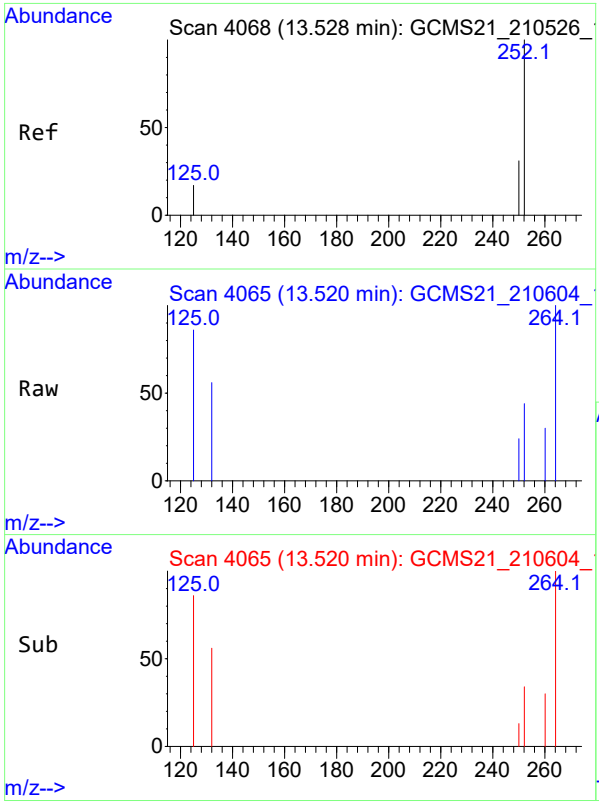


#27
Benzo(a)pyrene
Concen: 9.56 ng/mL
RT: 13.368 min Scan# 4013
Delta R.T. 0.018 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:252 Resp: 12830

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	56.7
125	10.2	0.0	42.1

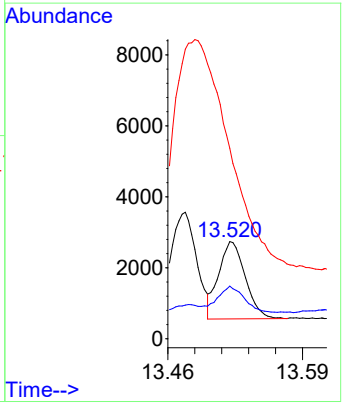


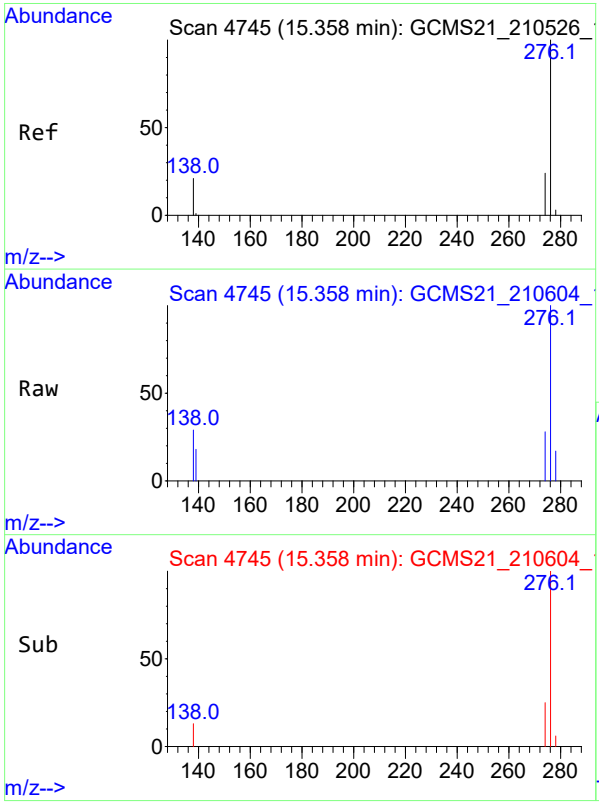


#28
Perylene
Concen: 2.47 ng/mL
RT: 13.520 min Scan# 4065
Delta R.T. 0.015 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:252 Resp: 3725

Ion	Ratio	Lower	Upper
252	100		
250	35.5	1.2	61.2
125	0.0	0.0	46.5

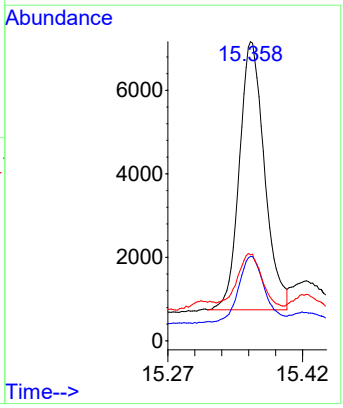


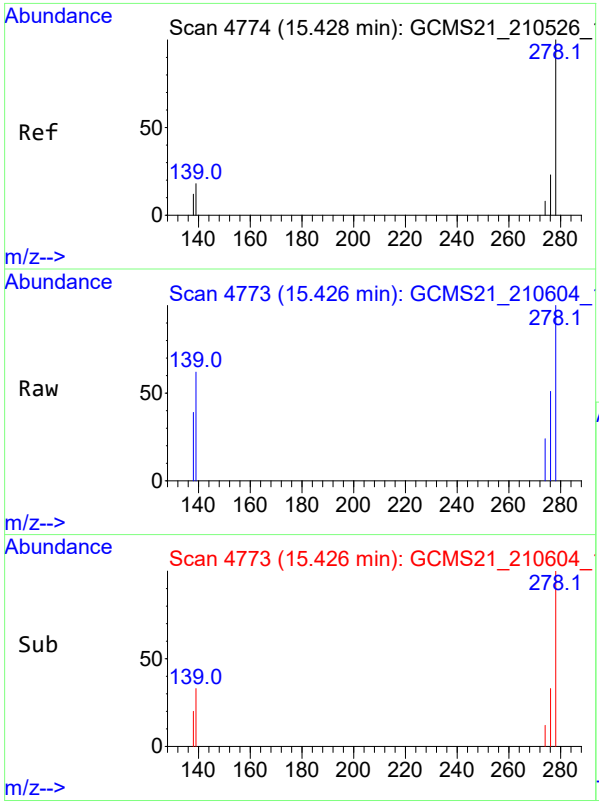


#29
Indeno(1,2,3-cd)pyrene
Concen: 10.95 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.026 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:276 Resp: 12569

Ion	Ratio	Lower	Upper
276	100		
274	25.0	0.0	53.5
138	22.3	0.0	50.6

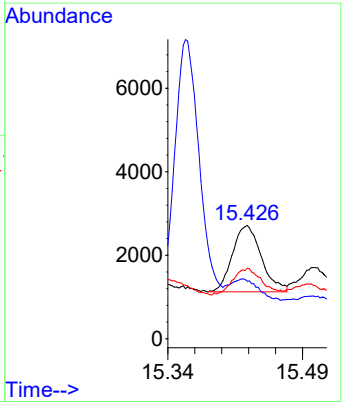


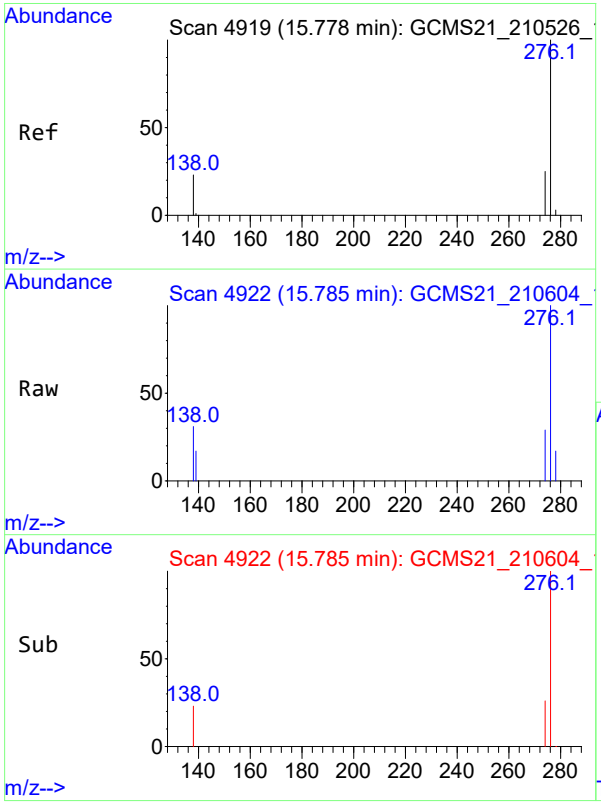


#30
Dibenz(a,h)anthracene
Concen: 3.05 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. 0.021 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:278 Resp: 3491

Ion	Ratio	Lower	Upper
278	100		
276	35.1	0.0	58.7
139	40.0	0.0	47.2

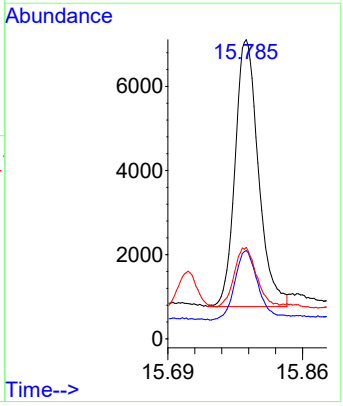




#31
Benzo(g,h,i)perylene
Concen: 8.57 ng/mL
RT: 15.785 min Scan# 4922
Delta R.T. 0.028 min
Lab File: GCMS21_210604_13.D
Acq: 04 Jun 2021 13:39

Tgt Ion:276 Resp: 12782

Ion	Ratio	Lower	Upper
276	100		
274	26.4	0.0	54.2
138	21.2	0.0	52.4



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_14.D
Acq On : 04 Jun 2021 14:04
Operator : MN GCMS21
Sample : 2105001-05RE1
Misc : 50µL+450µL 21D3002 (10X)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 30 12:03:03 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.290	136	460588	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	275563	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.630	188	575807	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.870	240	586038	500.00	ng/mL	0.00
21) PERYLENE-D12	13.476	264	595715	500.00	ng/mL	0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.625	176	24089	36.51	ng/mL	0.00
14) Fluoranthene-D10	8.887	212	34050	27.31	ng/mL	0.00
17) Pyrene-D10	9.124	212	39580	29.60	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.324	264	2034	2.10	ng/mL	0.01
Target Compounds						Qvalue
2) Naphthalene	4.310	128	17674	20.00	ng/mL	100
4) 2-Methylnaphthalene	5.016	142	13579	20.86	ng/mL	99
5) 1-Methylnaphthalene	5.115	142	7059	13.02	ng/mL	92
7) Acenaphthylene	5.932	152	3520	3.85	ng/mL	87
8) Acenaphthene	6.116	153	25500	36.42	ng/mL	97
10) Fluorene	6.656	166	63875	82.43	ng/mL	98
12) Phenanthrene	7.655	178	379161	272.84	ng/mL	99
13) Anthracene	7.709	178	20631	17.85	ng/mL	90
15) Fluoranthene	8.908	202	224584	153.12	ng/mL	99
18) Pyrene	9.141	202	126825	81.20	ng/mL#	40
19) Benzo(a)anthracene	10.854	228	27419	23.26	ng/mL	91
20) Chrysene	10.911	228	42976	29.53	ng/mL	99
22) Benzo(b)fluoranthene	12.785	252	40597	32.83	ng/mL	95
23) Benzo(k)fluoranthene	12.836	252	13959	10.19	ng/mL	99
24) benzo(b+k)fluoranthene...	12.785	252	53974m	40.17	ng/mL	
25) Benzo(e)pyrene	13.274	252	26354	21.13	ng/mL	98
27) Benzo(a)pyrene	13.368	252	22109	19.59	ng/mL	99
28) Perylene	13.520	252	5806	4.58	ng/mL	81
29) Indeno(1,2,3-cd)pyrene	15.358	276	15587	16.14	ng/mL	98
30) Dibenz(a,h)anthracene	15.421	278	5399	5.61	ng/mL	85
31) Benzo(g,h,i)perylene	15.782	276	19878	15.84	ng/mL	98

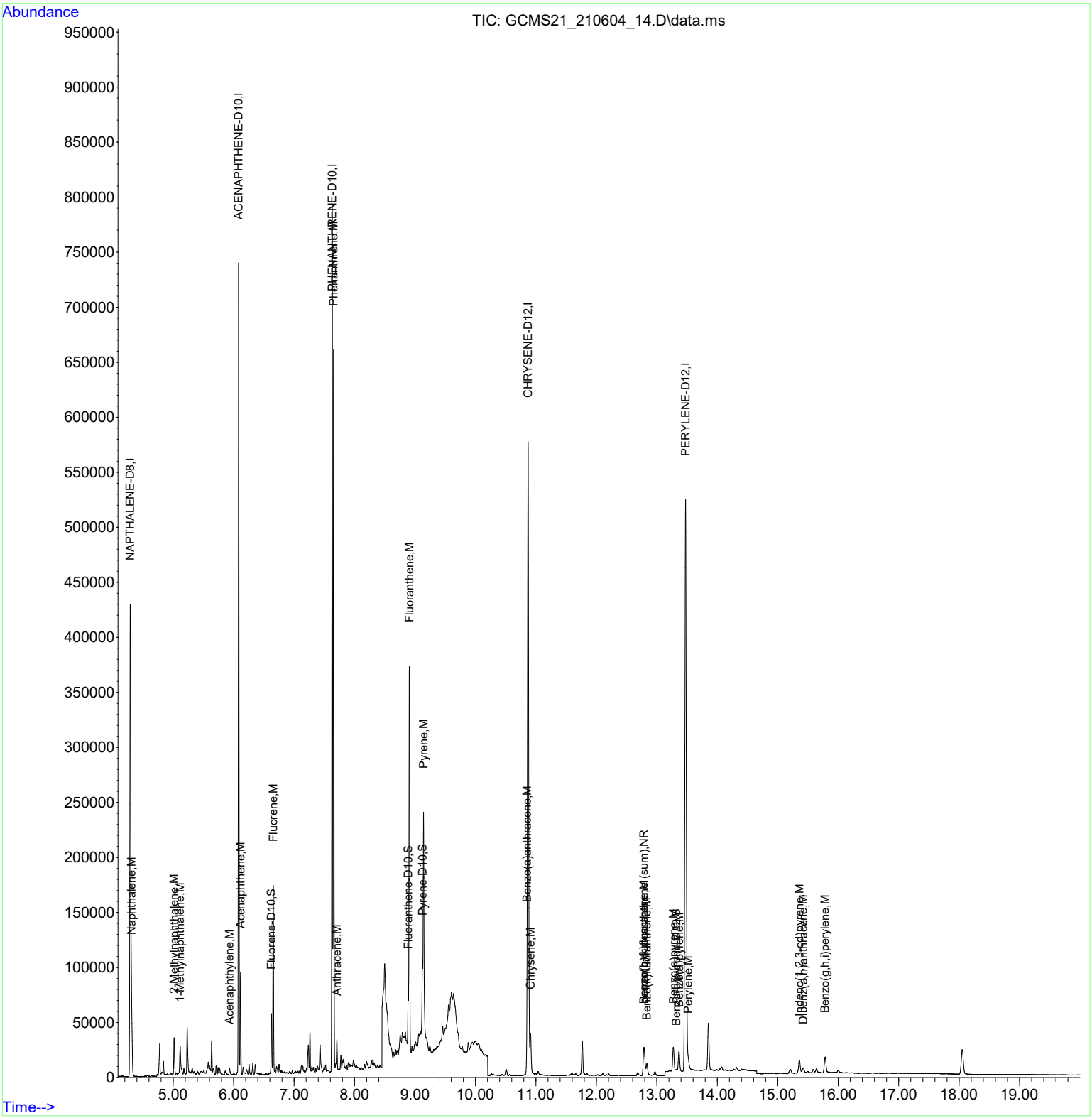
Only Phenanthrene and Fluoranthene were reported form this run. MN 07.01.2021

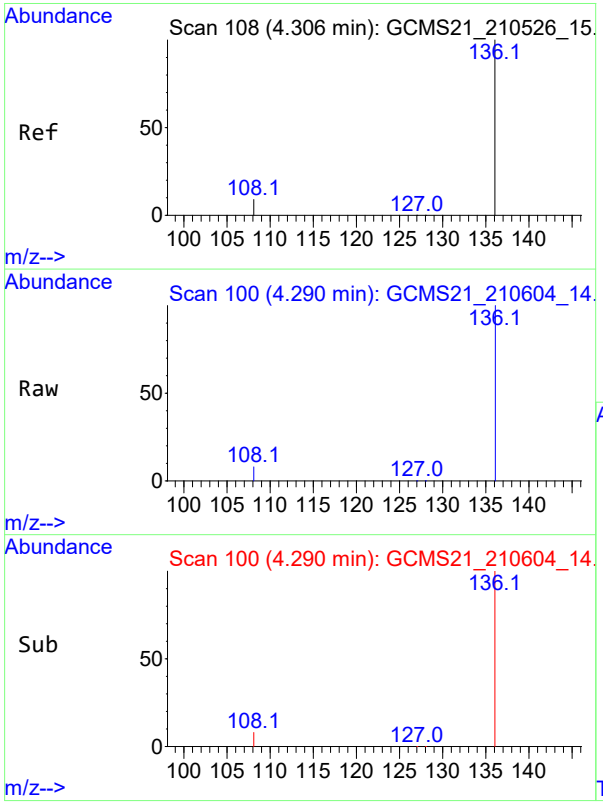
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_14.D
Acq On : 04 Jun 2021 14:04
Operator : MN GCMS21
Sample : 2105001-05RE1
Misc : 50µL+450µL 21D3002 (10X)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 30 12:03:03 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

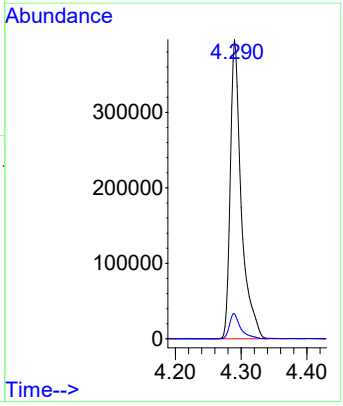


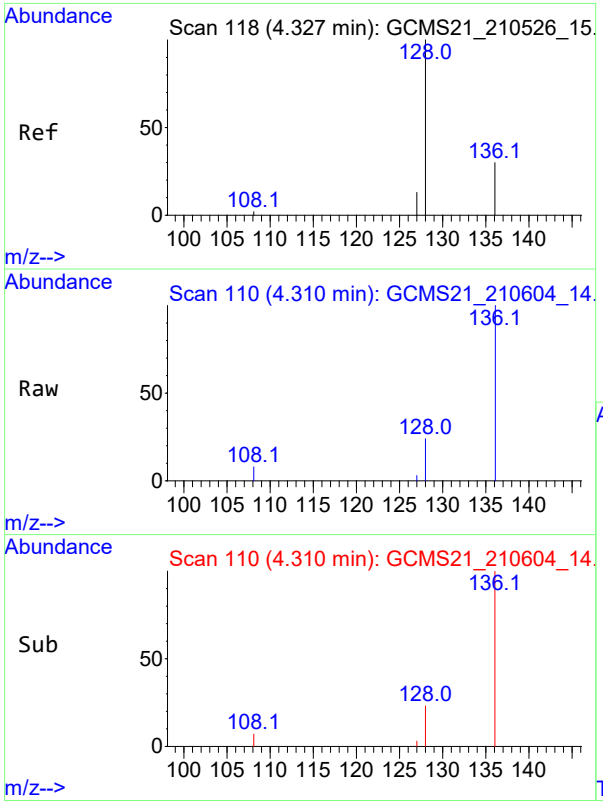


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.290 min Scan# 100
Delta R.T. 0.002 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:136 Resp: 460588

Ion	Ratio	Lower	Upper
136	100		
108	8.4	0.0	28.6

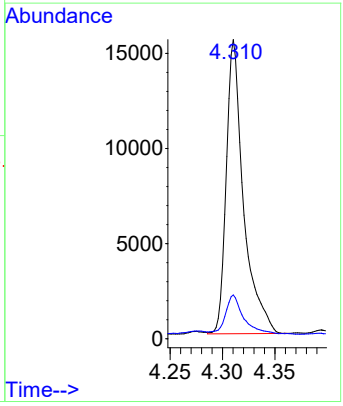


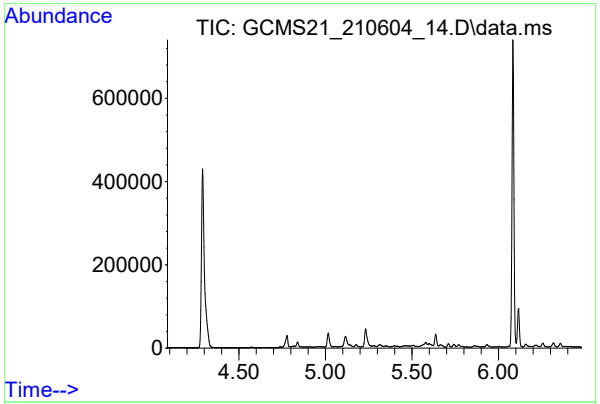


#2
Naphthalene
Concen: 20.00 ng/mL
RT: 4.310 min Scan# 110
Delta R.T. 0.002 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:128 Resp: 17674

Ion	Ratio	Lower	Upper
128	100		
127	13.3	0.0	43.4



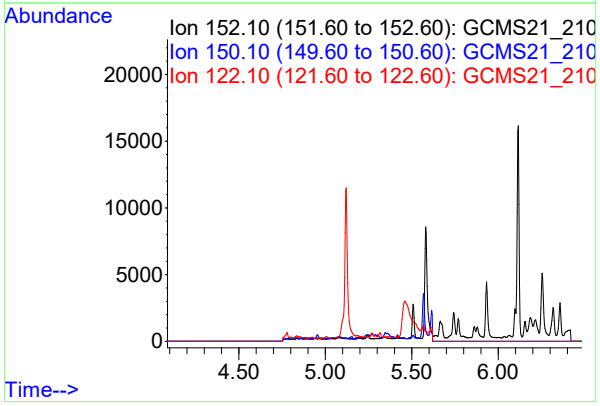


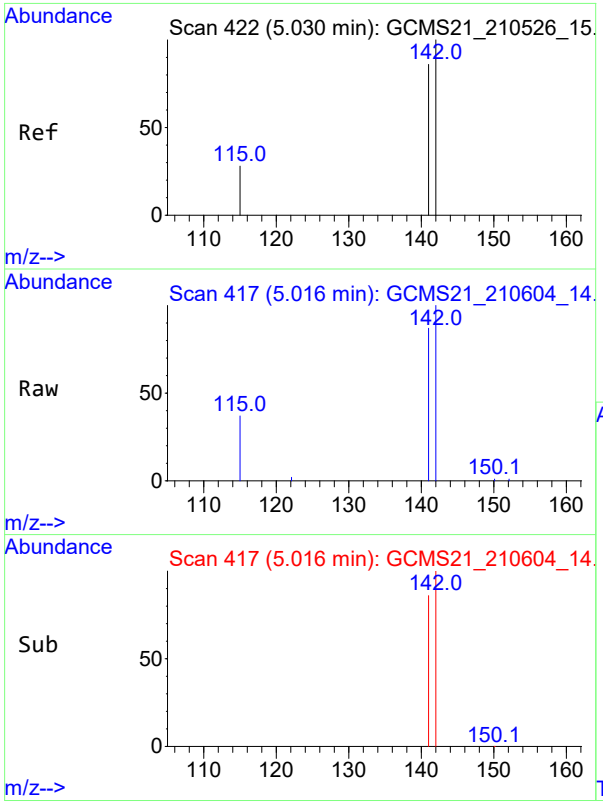
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.98 min

Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.8

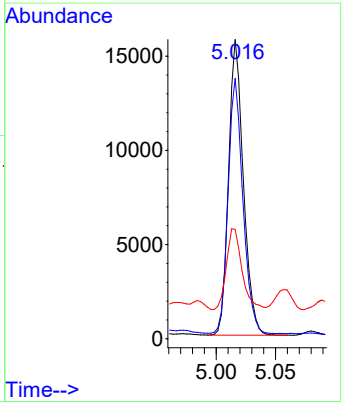


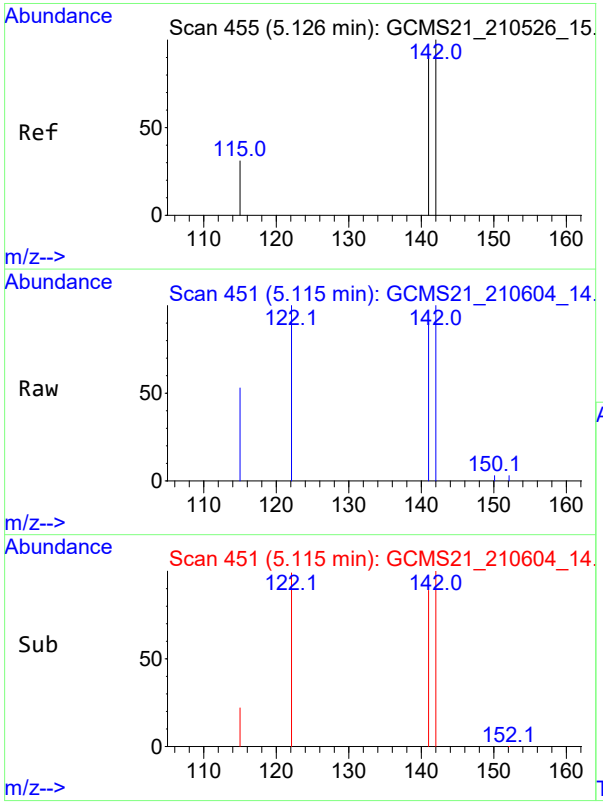


#4
2-Methylnaphthalene
Concen: 20.86 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. 0.003 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:142 Resp: 13579

Ion	Ratio	Lower	Upper
142	100		
141	86.9	56.9	116.9
115	29.5	0.0	57.7

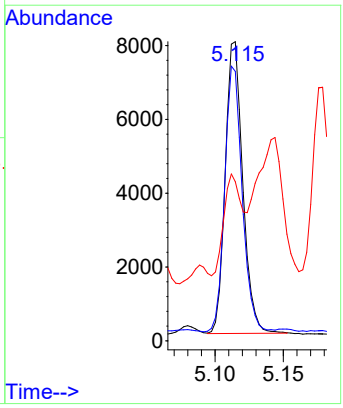


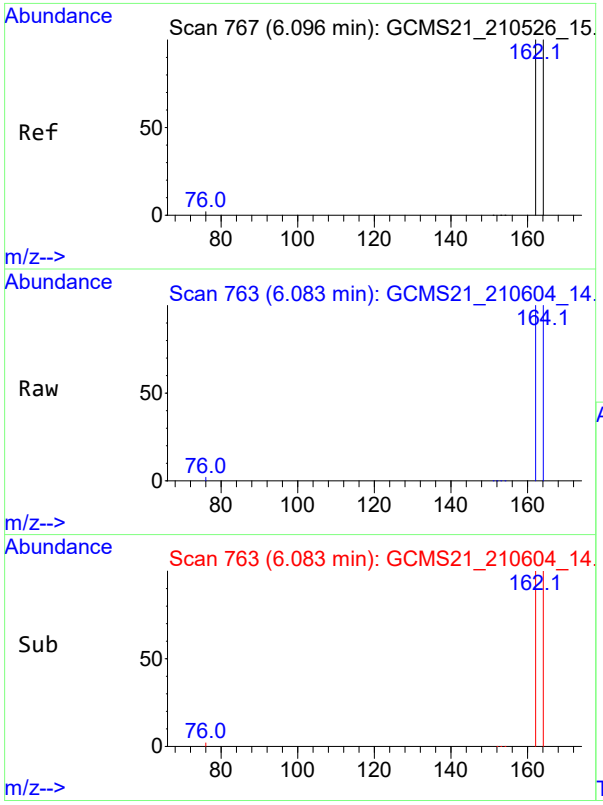


#5
1-Methylnaphthalene
Concen: 13.02 ng/mL
RT: 5.115 min Scan# 451
Delta R.T. 0.003 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:142 Resp: 7059

Ion	Ratio	Lower	Upper
142	100		
141	91.0	57.9	117.9
115	38.2	0.0	57.0

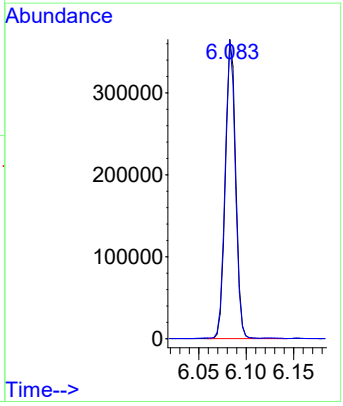


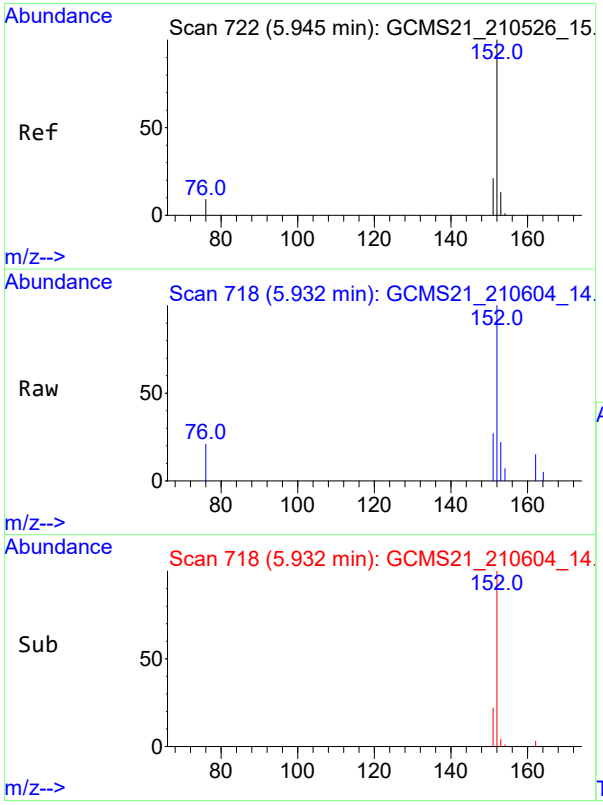


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:164 Resp: 275563

Ion	Ratio	Lower	Upper
164	100		
162	99.0	81.0	121.0

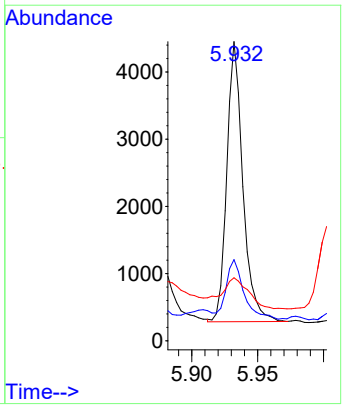


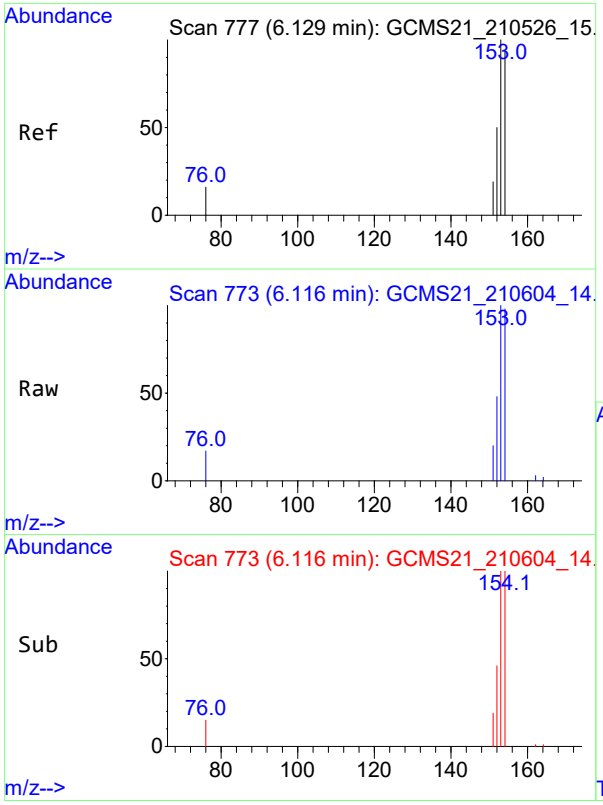


#7
Acenaphthylene
Concen: 3.85 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:152 Resp: 3520

Ion	Ratio	Lower	Upper
152	100		
151	23.8	0.0	51.0
76	19.3	0.0	38.6

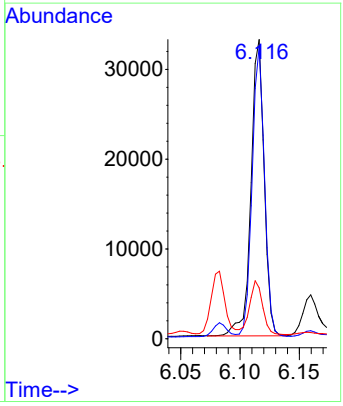


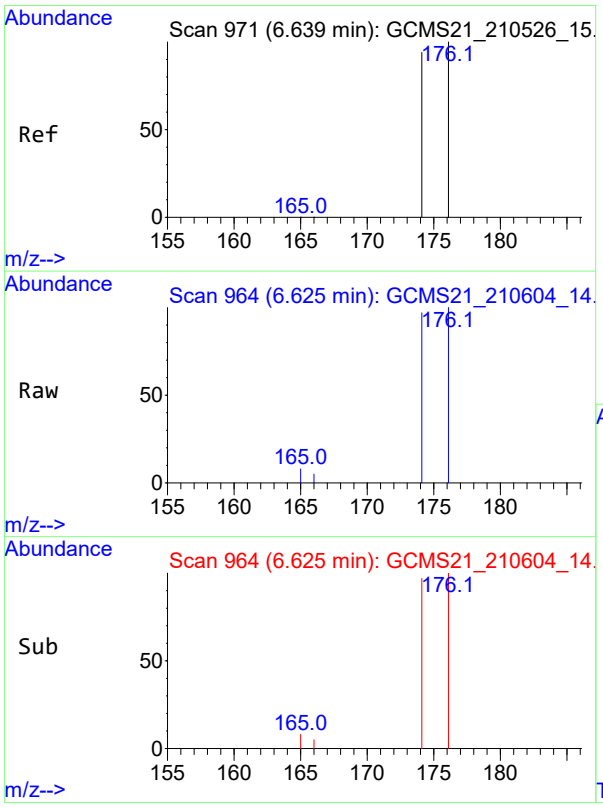


#8
Acenaphthene
Concen: 36.42 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:153 Resp: 25500

Ion	Ratio	Lower	Upper
153	100		
154	91.9	63.7	123.7
76	17.8	0.0	45.2

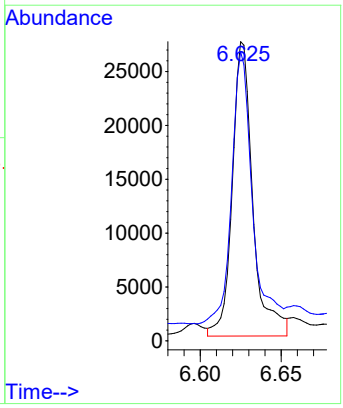


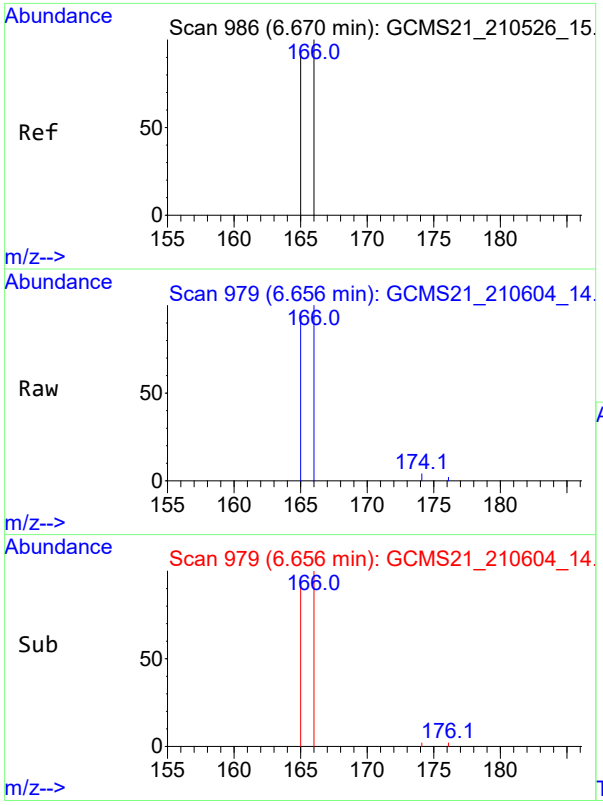


#9
Fluorene-D10
Concen: 36.51 ng/mL
RT: 6.625 min Scan# 964
Delta R.T. 0.002 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:176 Resp: 24089

Ion	Ratio	Lower	Upper
176	100		
174	91.8	63.9	123.9

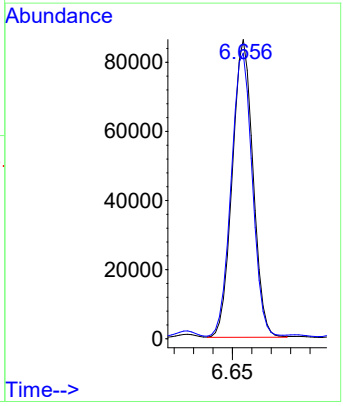


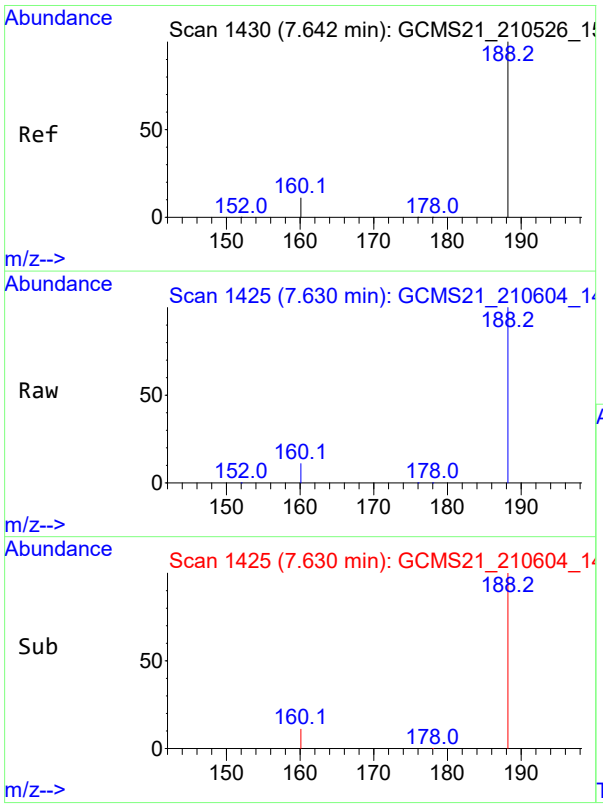


#10
Fluorene
Concen: 82.43 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. 0.004 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:166 Resp: 63875

Ion	Ratio	Lower	Upper
166	100		
165	96.6	65.1	125.1

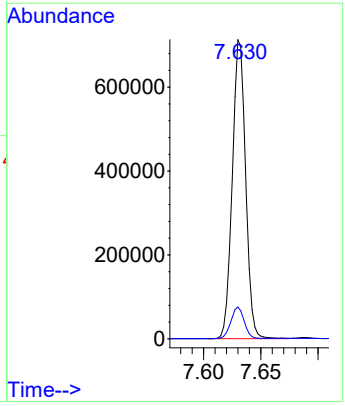


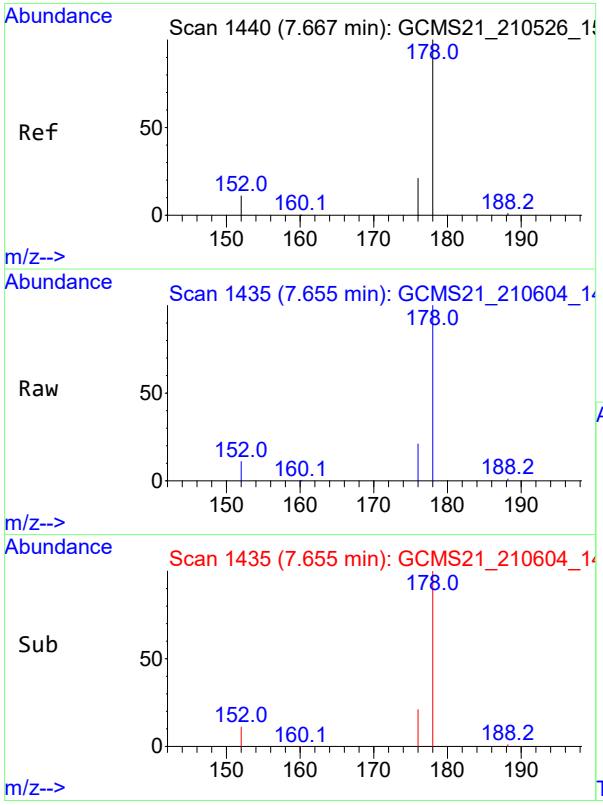


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.630 min Scan# 1425
Delta R.T. 0.002 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:188 Resp: 575807

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	41.1

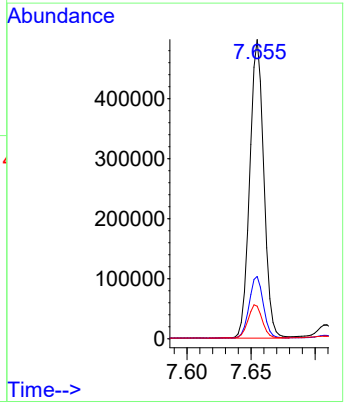


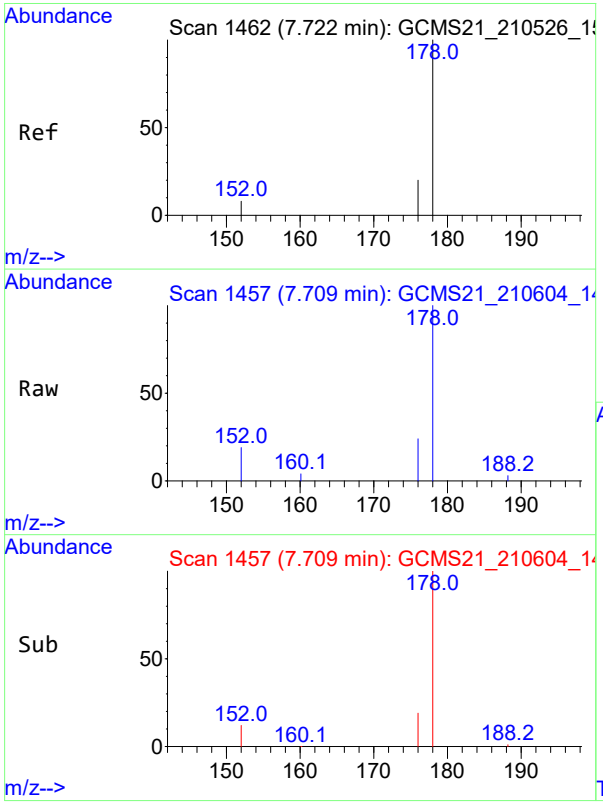


#12
Phenanthrene
Concen: 272.84 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. 0.005 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:178 Resp: 379161

Ion	Ratio	Lower	Upper
178	100		
176	20.8	0.0	51.1
152	11.2	0.0	40.5

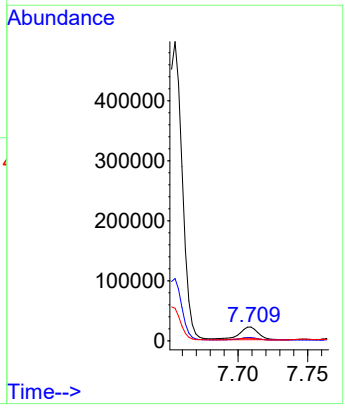


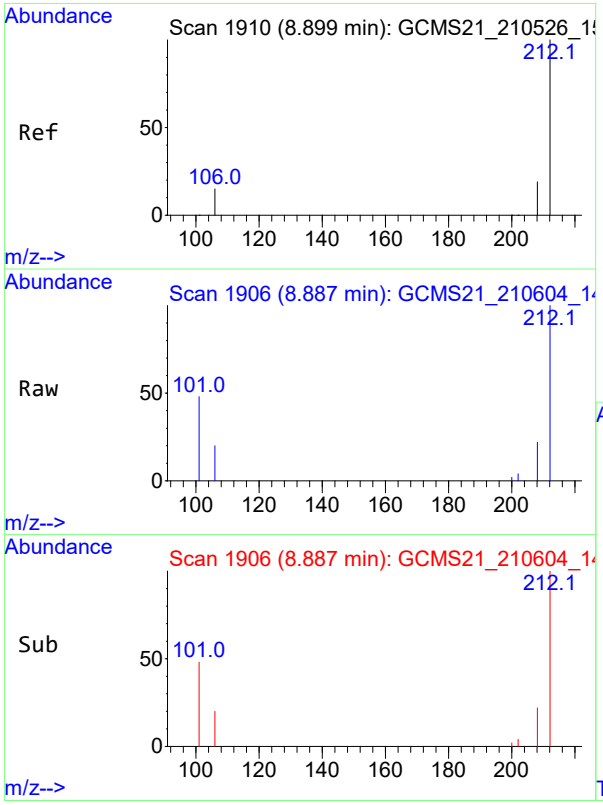


#13
Anthracene
Concen: 17.85 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:178 Resp: 20631

Ion	Ratio	Lower	Upper
178	100		
176	18.4	0.0	50.0
152	16.9	0.0	38.2

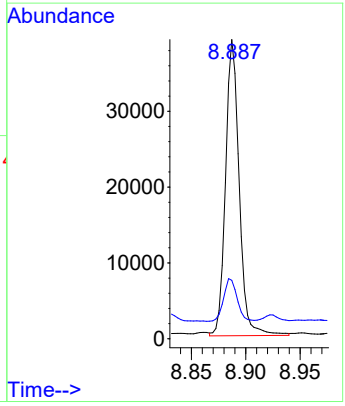


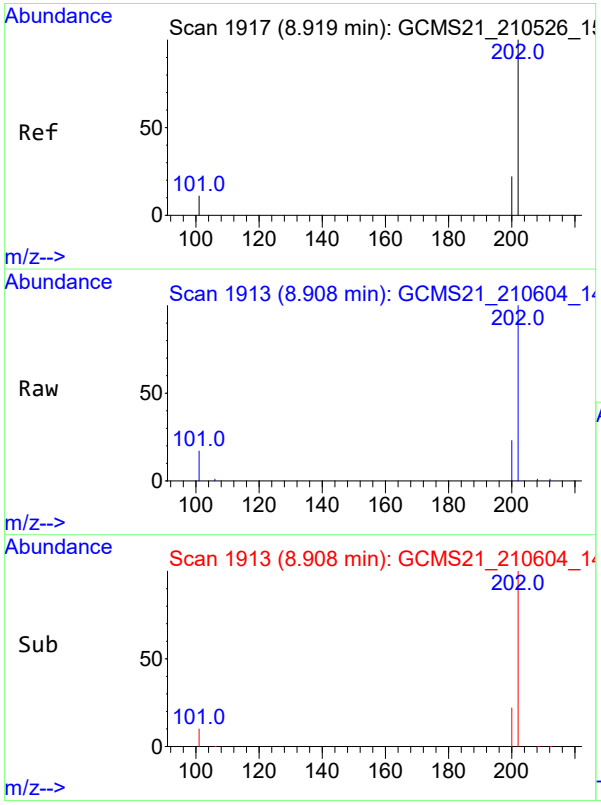


#14
Fluoranthene-D10
Concen: 27.31 ng/mL
RT: 8.887 min Scan# 1906
Delta R.T. 0.006 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:212 Resp: 34050

Ion	Ratio	Lower	Upper
212	100		
106	14.2	0.0	43.1

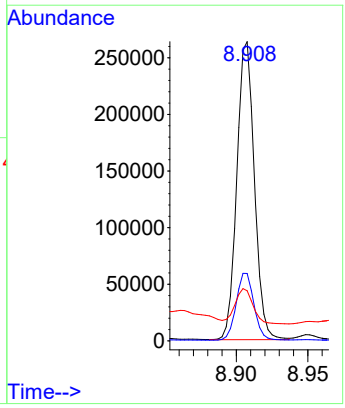


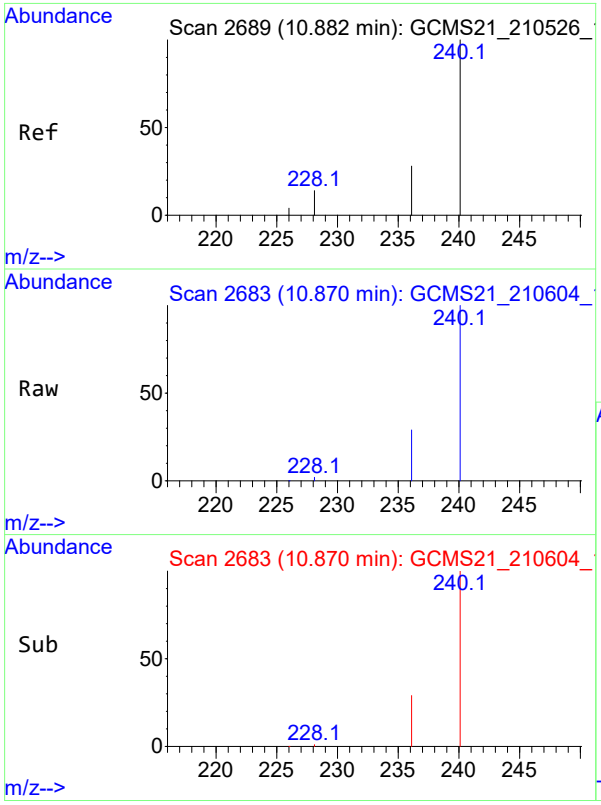


#15
Fluoranthene
Concen: 153.12 ng/mL
RT: 8.908 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:202 Resp: 224584

Ion	Ratio	Lower	Upper
202	100		
200	22.7	0.0	53.3
101	12.1	0.0	41.8

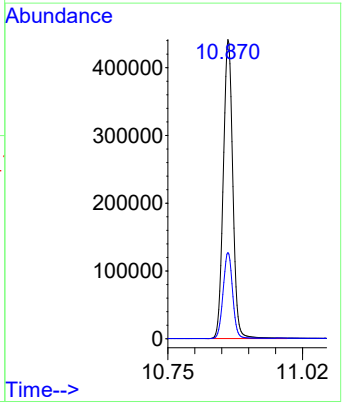


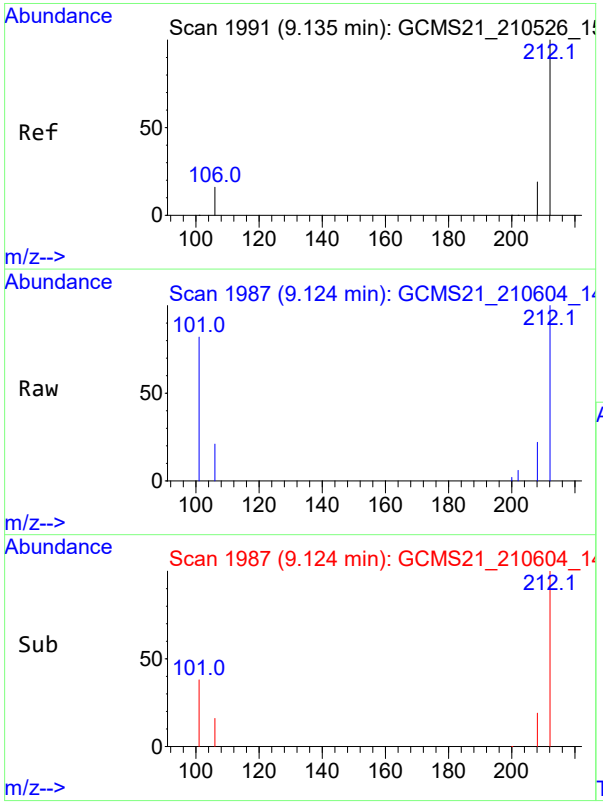


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.870 min Scan# 2683
Delta R.T. 0.008 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:240 Resp: 586038

Ion	Ratio	Lower	Upper
240	100		
236	28.8	0.0	58.5

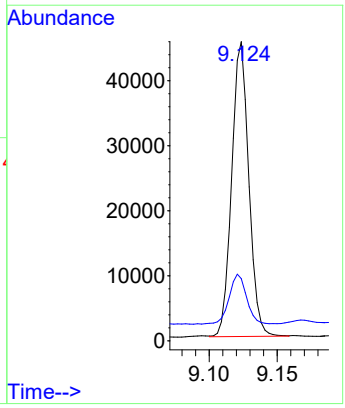


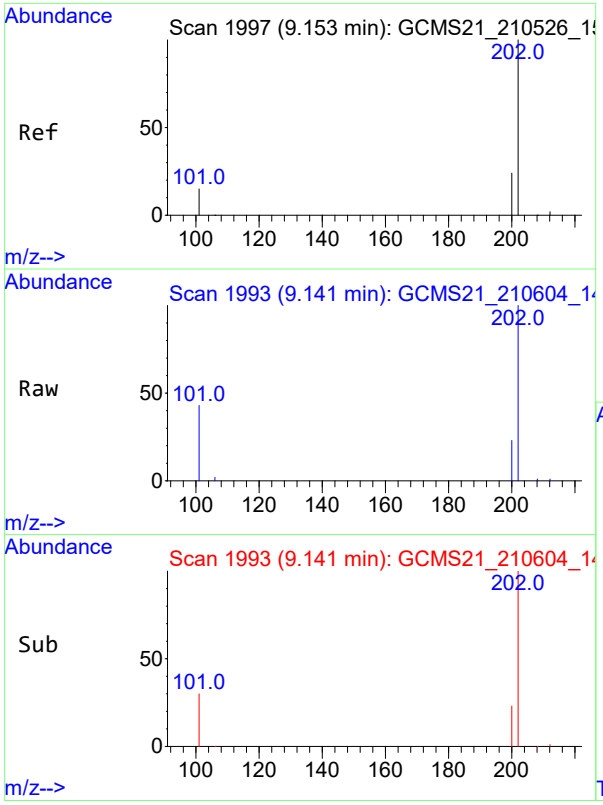


#17
Pyrene-D10
Concen: 29.60 ng/mL
RT: 9.124 min Scan# 1987
Delta R.T. 0.004 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:212 Resp: 39580

Ion	Ratio	Lower	Upper
212	100		
106	17.4	0.0	46.3

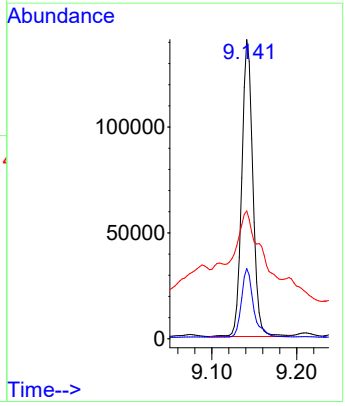


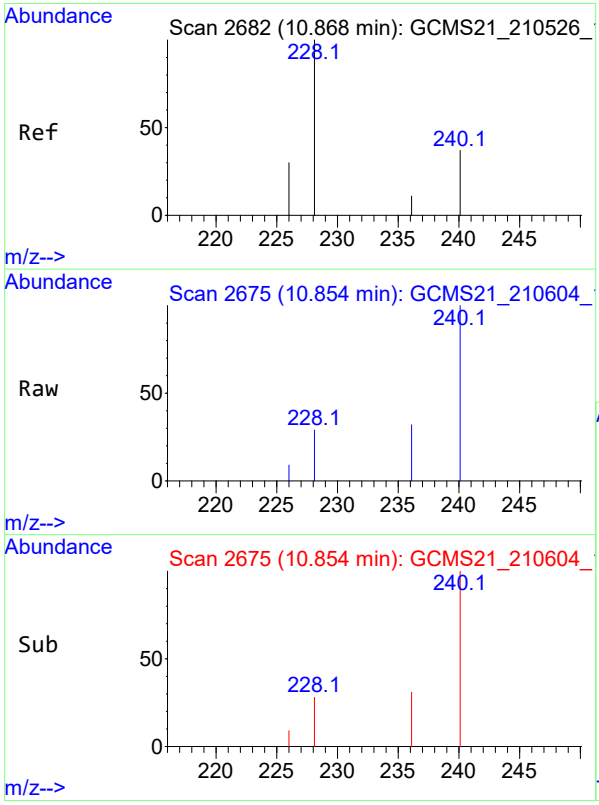


#18
Pyrene
Concen: 81.20 ng/mL
RT: 9.141 min Scan# 1993
Delta R.T. 0.001 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:202 Resp: 126825

Ion	Ratio	Lower	Upper
202	100		
200	26.0	0.0	53.3
101	75.9	0.0	43.2#

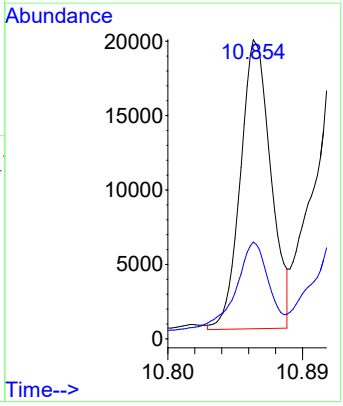


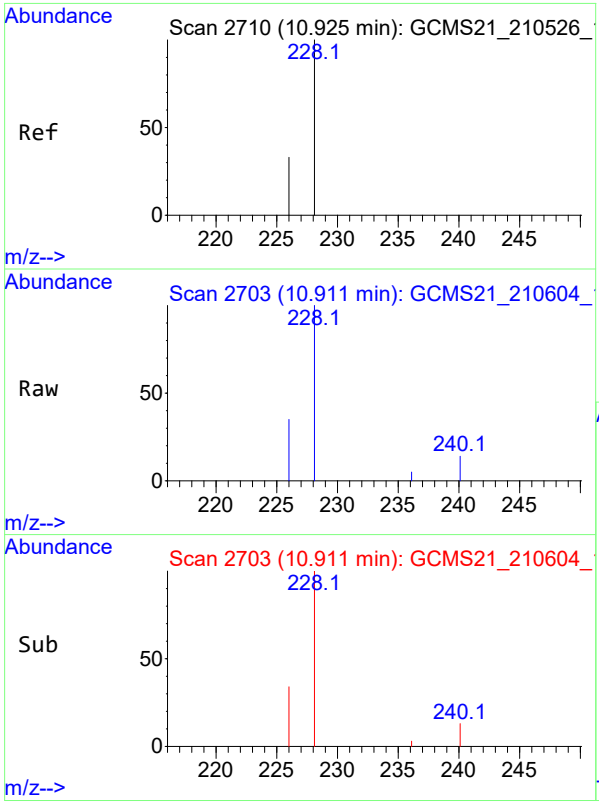


#19
Benzo(a)anthracene
Concen: 23.26 ng/mL
RT: 10.854 min Scan# 2675
Delta R.T. 0.006 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:228 Resp: 27419

Ion	Ratio	Lower	Upper
228	100		
226	33.8	0.0	59.2

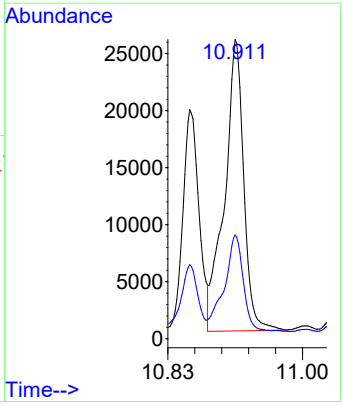


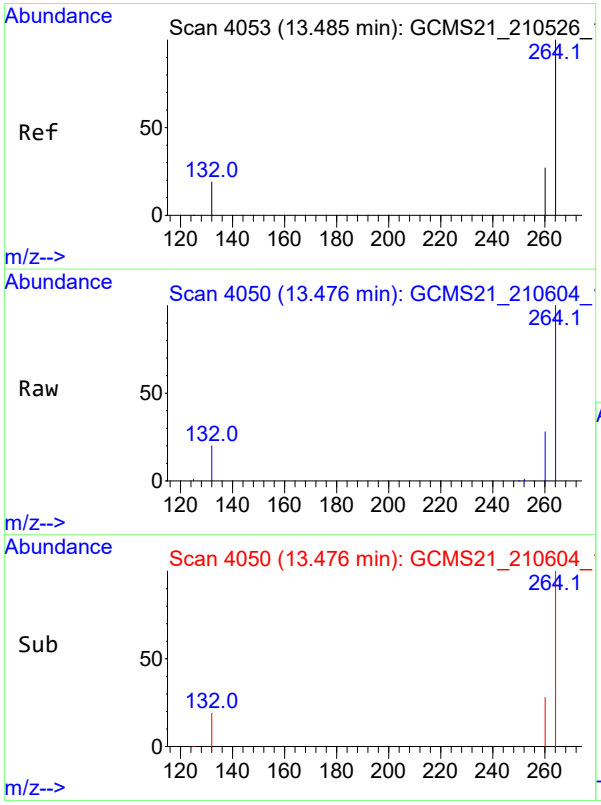


#20
Chrysene
Concen: 29.53 ng/mL
RT: 10.911 min Scan# 2703
Delta R.T. 0.006 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:228 Resp: 42976

Ion	Ratio	Lower	Upper
228	100		
226	32.7	1.9	61.9

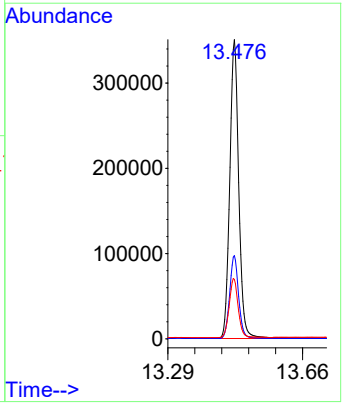


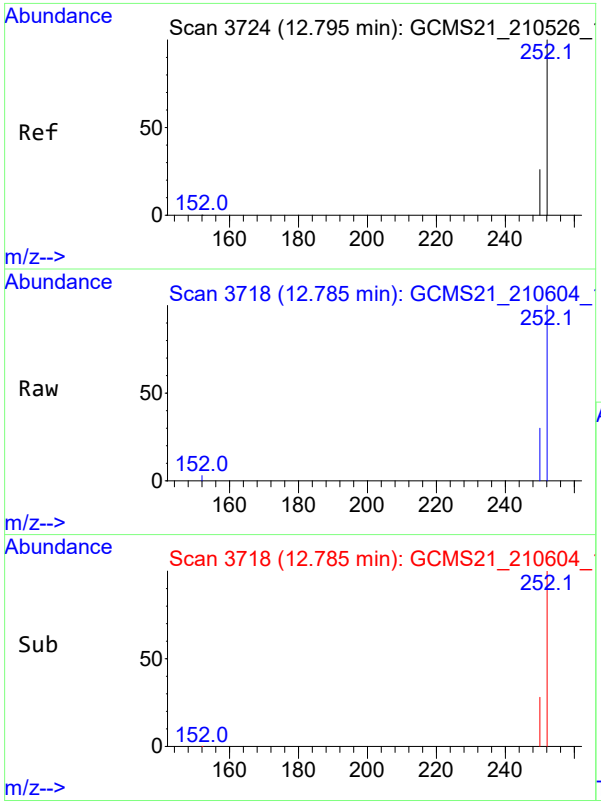


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.476 min Scan# 4050
Delta R.T. 0.015 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:264 Resp: 595715

Ion	Ratio	Lower	Upper
264	100		
260	27.9	0.0	57.7
132	19.8	0.0	49.0

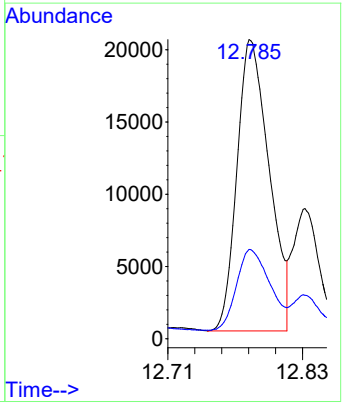


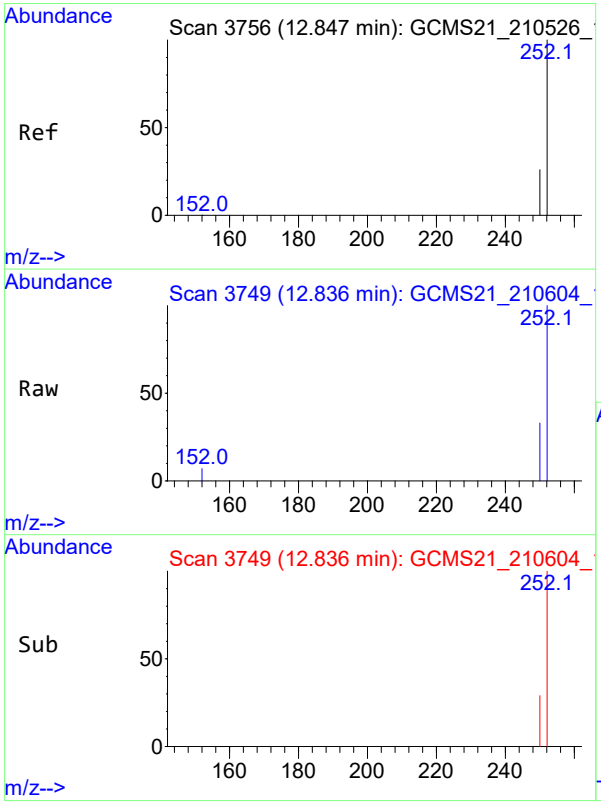


#22
Benzo(b)fluoranthene
Concen: 32.83 ng/mL
RT: 12.785 min Scan# 3718
Delta R.T. 0.013 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:252 Resp: 40597

Ion	Ratio	Lower	Upper
252	100		
250	28.9	0.0	56.1

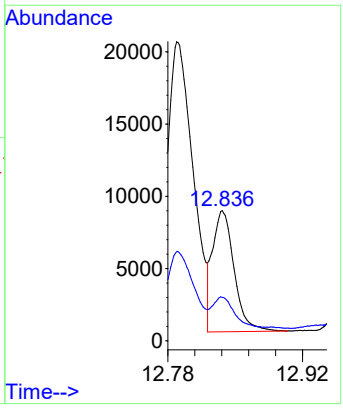


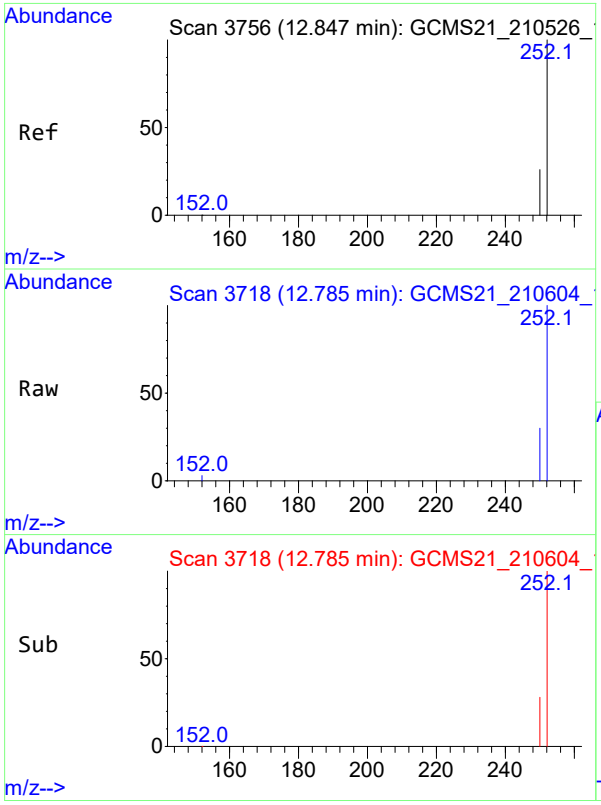


#23
Benzo(k)fluoranthene
Concen: 10.19 ng/mL
RT: 12.836 min Scan# 3749
Delta R.T. 0.013 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:252 Resp: 13959

Ion	Ratio	Lower	Upper
252	100		
250	26.1	0.0	55.4

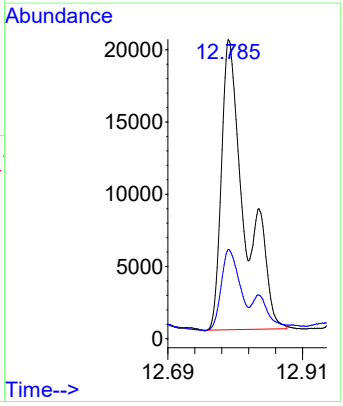


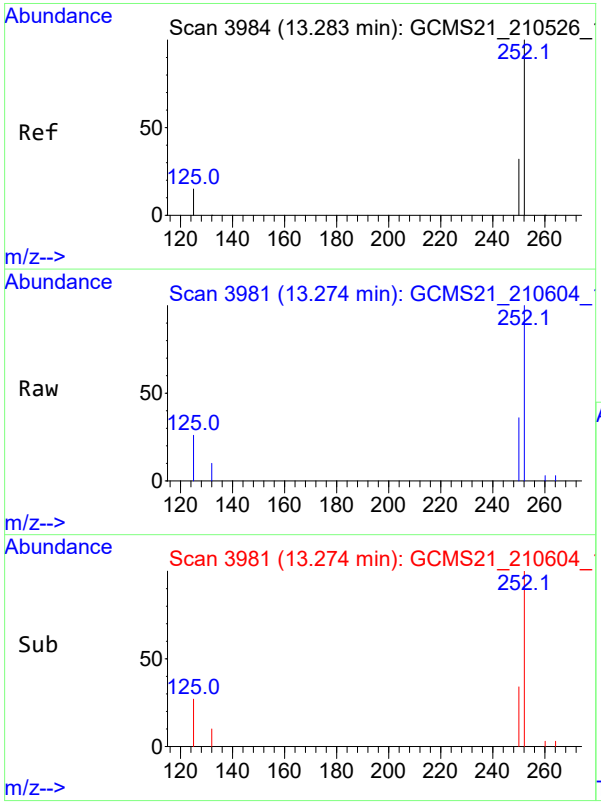


#24
benzo(b+k)fluoranthene (sum)
Concen: 40.17 ng/mL m
RT: 12.785 min Scan# 3718
Delta R.T. -0.038 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:252 Resp: 53974

Ion	Ratio	Lower	Upper
252	100		
250	6.7	0.0	55.4

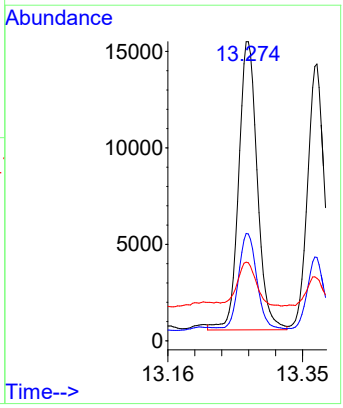


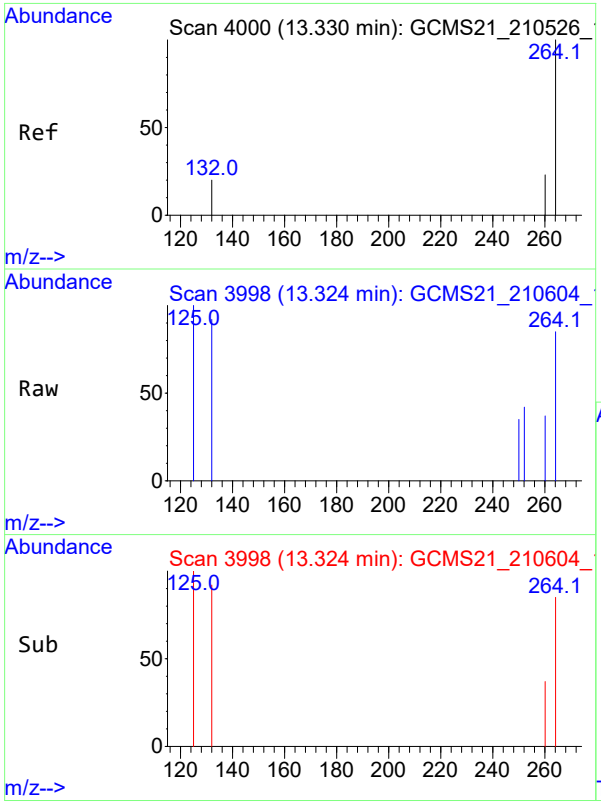


#25
Benzo(e)pyrene
Concen: 21.13 ng/mL
RT: 13.274 min Scan# 3981
Delta R.T. 0.015 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:252 Resp: 26354

Ion	Ratio	Lower	Upper
252	100		
250	33.0	2.1	62.1
125	16.3	0.0	45.8

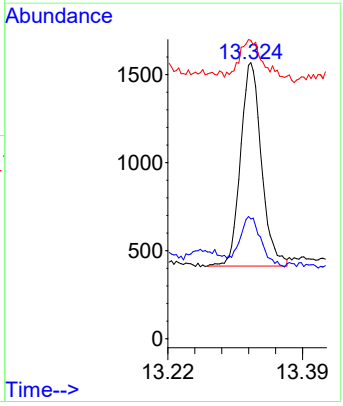


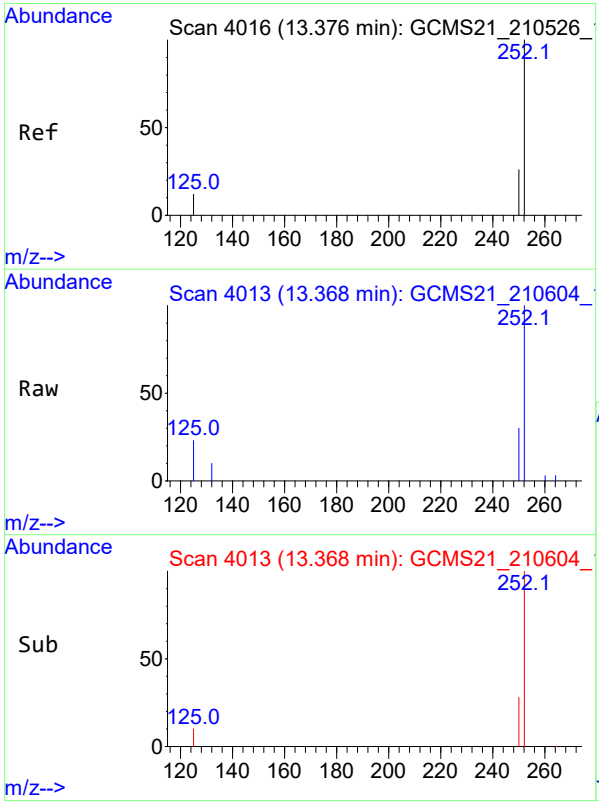


#26
Benzo(a)pyrene-D12
Concen: 2.10 ng/mL
RT: 13.324 min Scan# 3998
Delta R.T. 0.012 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:264 Resp: 2034

Ion	Ratio	Lower	Upper
264	100		
260	25.8	0.0	52.9
132	15.2	0.0	48.4

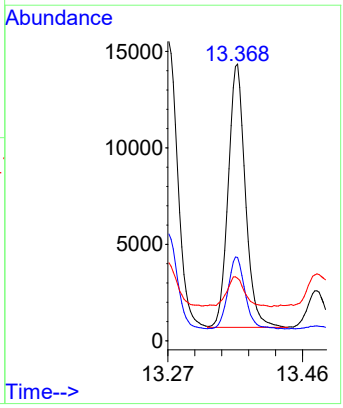


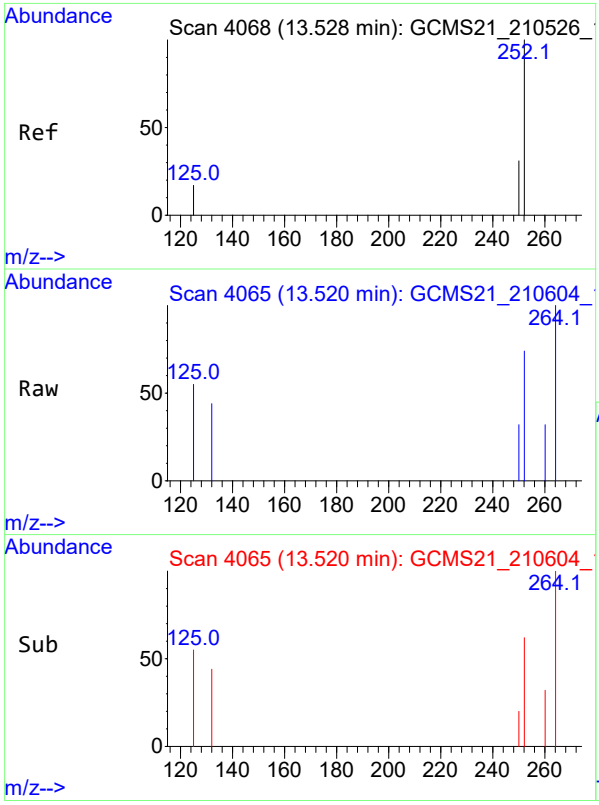


#27
Benzo(a)pyrene
Concen: 19.59 ng/mL
RT: 13.368 min Scan# 4013
Delta R.T. 0.018 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:252 Resp: 22109

Ion	Ratio	Lower	Upper
252	100		
250	27.4	0.0	56.7
125	11.8	0.0	42.1

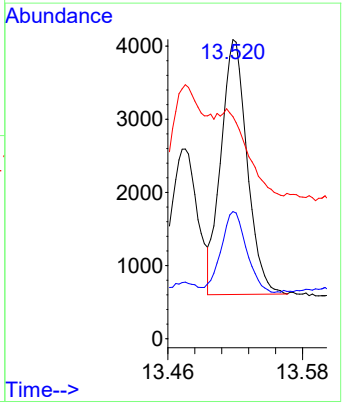


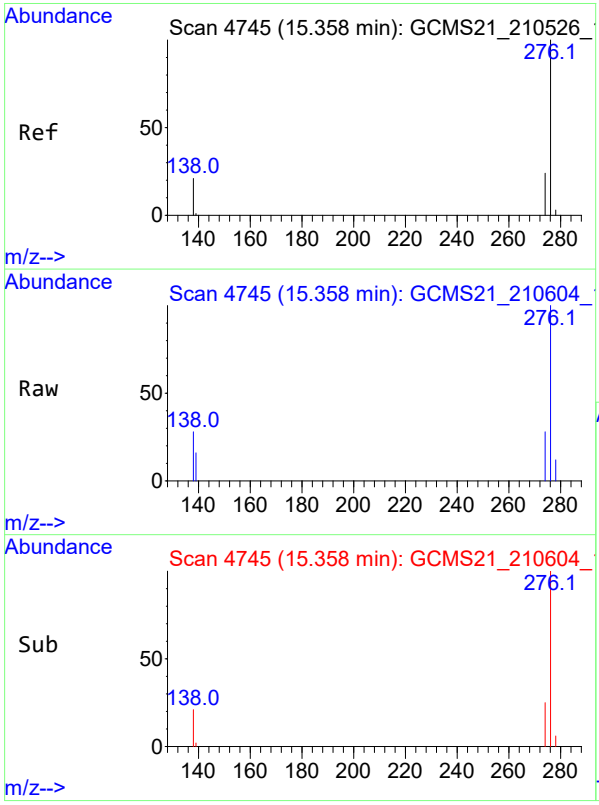


#28
Perylene
Concen: 4.58 ng/mL
RT: 13.520 min Scan# 4065
Delta R.T. 0.015 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:252 Resp: 5806

Ion	Ratio	Lower	Upper
252	100		
250	31.0	1.2	61.2
125	39.6	0.0	46.5

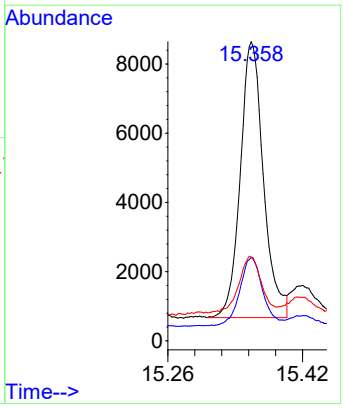


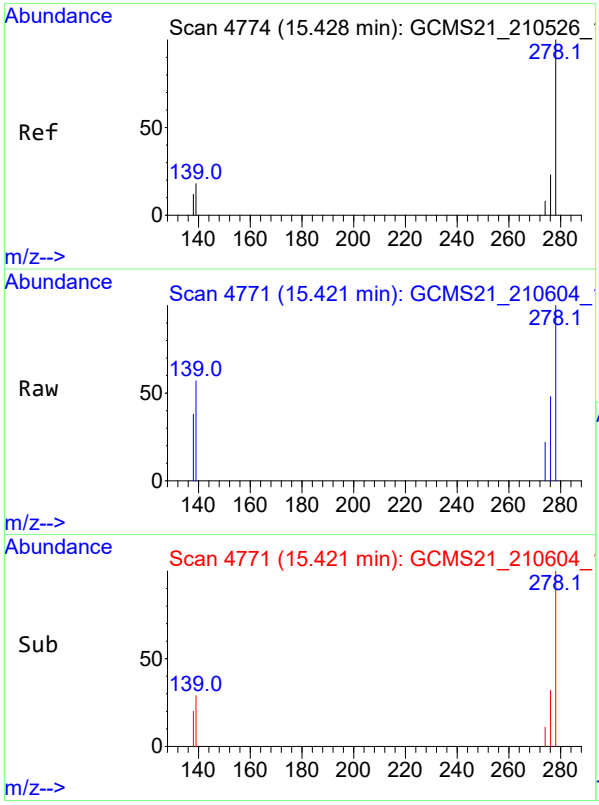


#29
Indeno(1,2,3-cd)pyrene
Concen: 16.14 ng/mL
RT: 15.358 min Scan# 4745
Delta R.T. 0.026 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:276 Resp: 15587

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	53.5
138	19.8	0.0	50.6

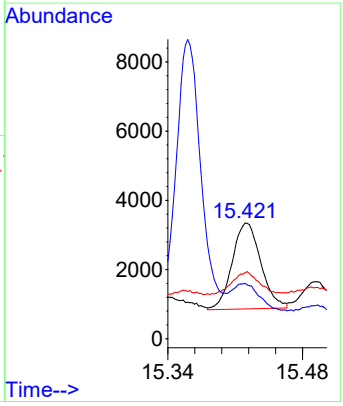


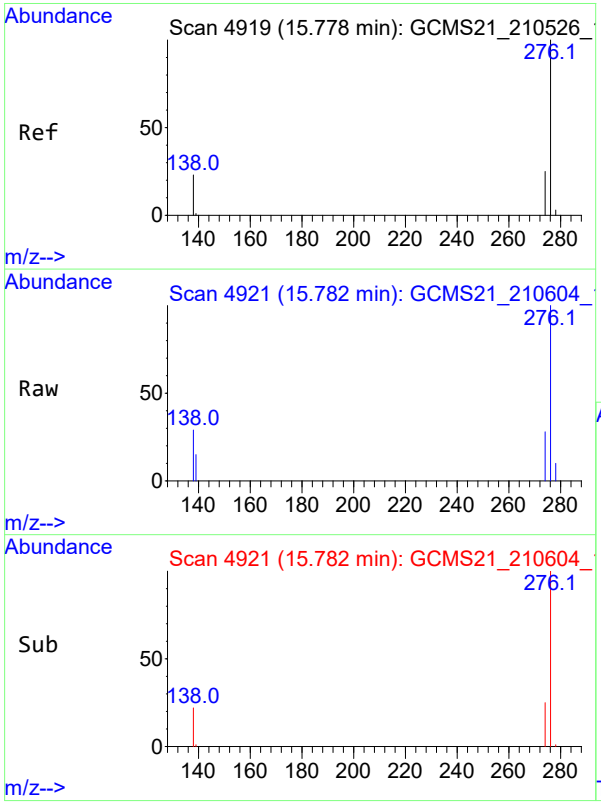


#30
Dibenz(a,h)anthracene
Concen: 5.61 ng/mL
RT: 15.421 min Scan# 4771
Delta R.T. 0.016 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:278 Resp: 5399

Ion	Ratio	Lower	Upper
278	100		
276	36.1	0.0	58.7
139	24.8	0.0	47.2

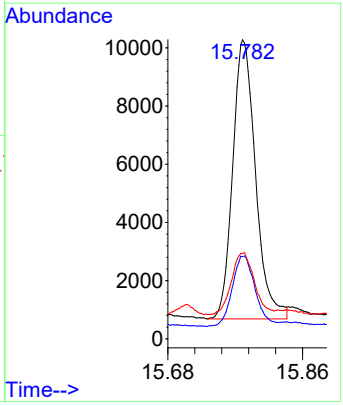




#31
Benzo(g,h,i)perylene
Concen: 15.84 ng/mL
RT: 15.782 min Scan# 4921
Delta R.T. 0.026 min
Lab File: GCMS21_210604_14.D
Acq: 04 Jun 2021 14:04

Tgt Ion:276 Resp: 19878

Ion	Ratio	Lower	Upper
276	100		
274	25.5	0.0	54.2
138	22.0	0.0	52.4



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_15.D
Acq On : 04 Jun 2021 14:28
Operator : MN GCMS21
Sample : 2105001-15RE1
Misc : 50µL+450µL 21D3002 (10X)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 30 12:03:16 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.290	136	481992	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	287612	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.632	188	600222	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.870	240	613807	500.00	ng/mL	0.00
21) PERYLENE-D12	13.479	264	631782	500.00	ng/mL	0.02
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.627	176	27701	40.23	ng/mL	0.00
14) Fluoranthene-D10	8.887	212	40696	31.31	ng/mL	0.00
17) Pyrene-D10	9.124	212	46798	33.42	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.324	264	2420	2.36	ng/mL	0.01
Target Compounds						Qvalue
2) Naphthalene	4.310	128	175087	189.32	ng/mL	99
4) 2-Methylnaphthalene	5.016	142	24087	35.37	ng/mL	99
5) 1-Methylnaphthalene	5.112	142	11741	20.70	ng/mL	96
7) Acenaphthylene	5.932	152	6009	6.29	ng/mL	92
8) Acenaphthene	6.116	153	26777	36.65	ng/mL	97
10) Fluorene	6.656	166	207797	256.92	ng/mL	100
12) Phenanthrene	7.655	178	1120651	773.60	ng/mL	99
13) Anthracene	7.709	178	49470	41.07	ng/mL	95
15) Fluoranthene	8.907	202	571348	373.71	ng/mL	99
18) Pyrene	9.141	202	355033	217.03	ng/mL	74
19) Benzo(a)anthracene	10.854	228	38401	31.10	ng/mL	95
20) Chrysene	10.913	228	65955	43.27	ng/mL	97
22) Benzo(b)fluoranthene	12.789	252	46152	35.19	ng/mL	95
23) Benzo(k)fluoranthene	12.837	252	16065	11.05	ng/mL	96
24) benzo(b+k)fluoranthene...	12.789	252	61981m	43.50	ng/mL	
25) Benzo(e)pyrene	13.274	252	22974	17.37	ng/mL	92
27) Benzo(a)pyrene	13.368	252	14777	12.35	ng/mL	98
28) Perylene	13.523	252	4164	3.10	ng/mL#	85
29) Indeno(1,2,3-cd)pyrene	15.360	276	13429	13.11	ng/mL	98
30) Dibenz(a,h)anthracene	15.426	278	3526	3.45	ng/mL	71
31) Benzo(g,h,i)perylene	15.785	276	16540	12.43	ng/mL	98

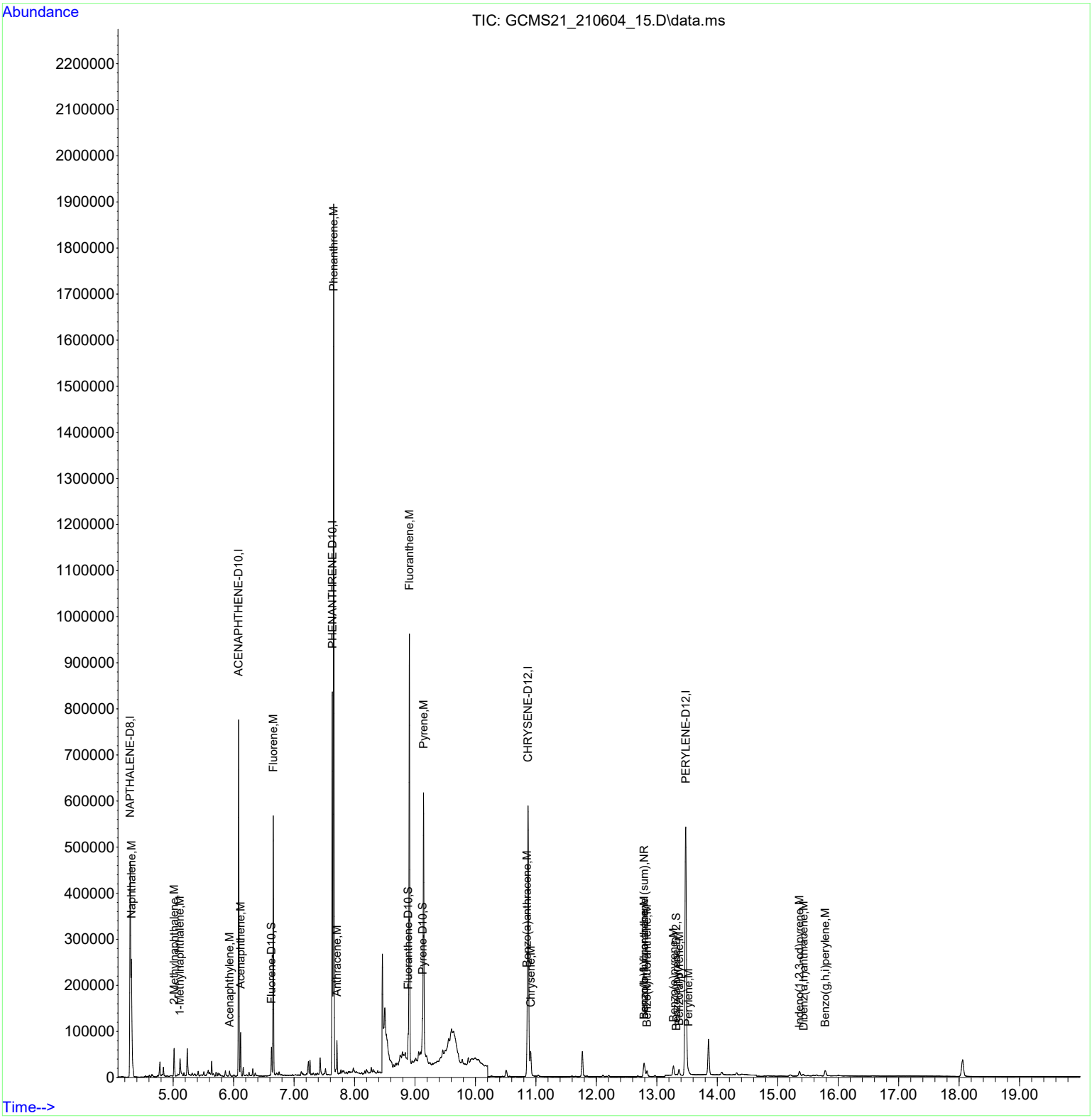
Naphthalene,Fluorene,Phenanthren, Fluoranthene and Pyrene were reported form this run. MN 07.01.2021

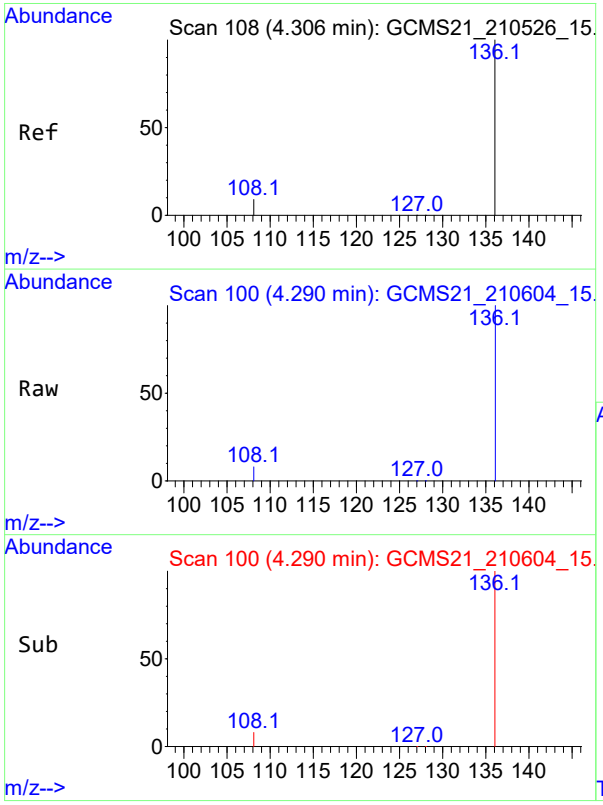
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_15.D
Acq On : 04 Jun 2021 14:28
Operator : MN GCMS21
Sample : 2105001-15RE1
Misc : 50µL+450µL 21D3002 (10X)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 30 12:03:16 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

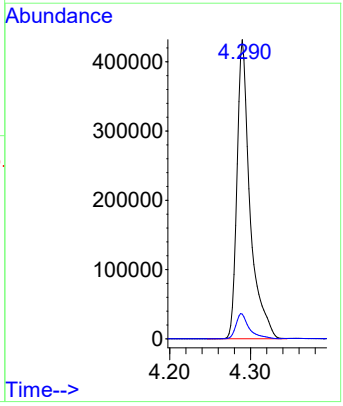


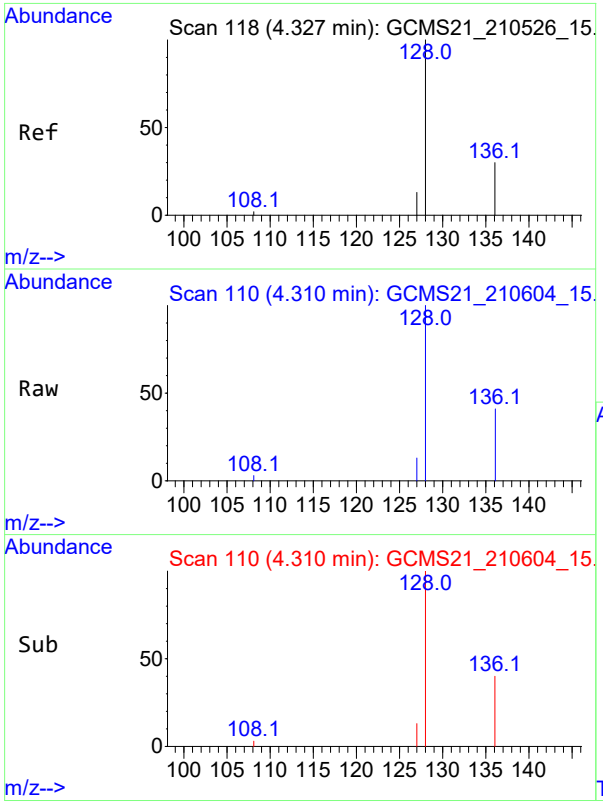


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.290 min Scan# 100
Delta R.T. 0.002 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:136 Resp: 481992

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.6

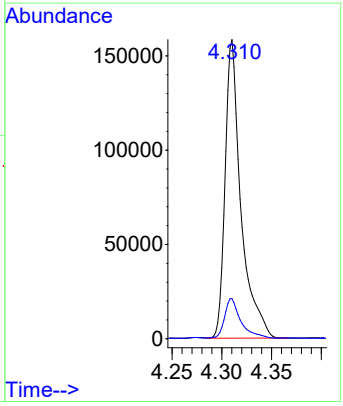


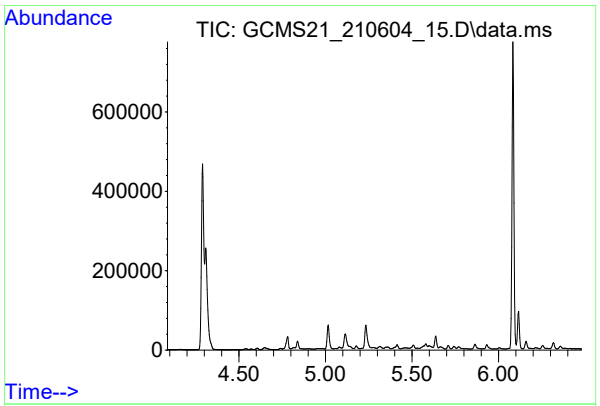


#2
Naphthalene
Concen: 189.32 ng/mL
RT: 4.310 min Scan# 110
Delta R.T. 0.002 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:128 Resp: 175087

Ion	Ratio	Lower	Upper
128	100		
127	13.7	0.0	43.4



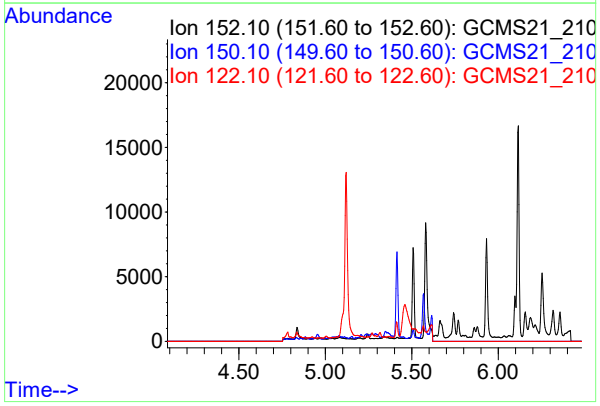


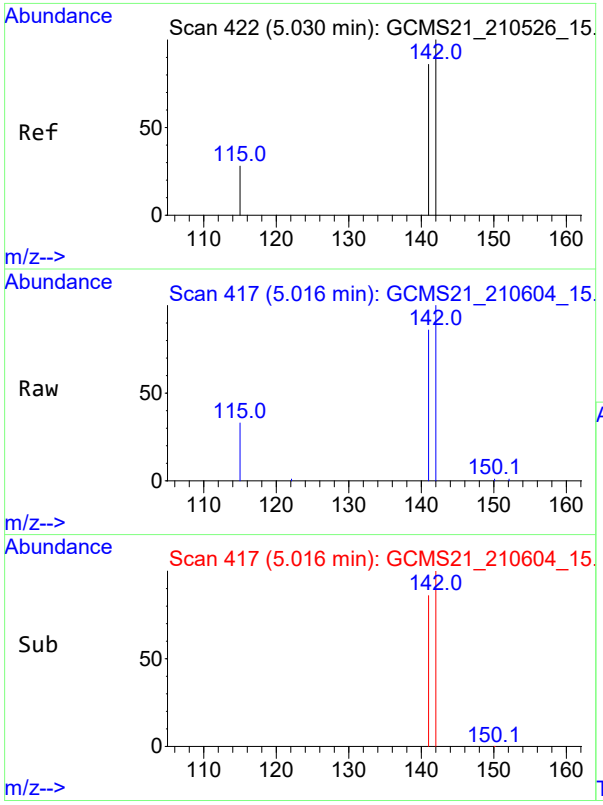
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.98 min

Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.8

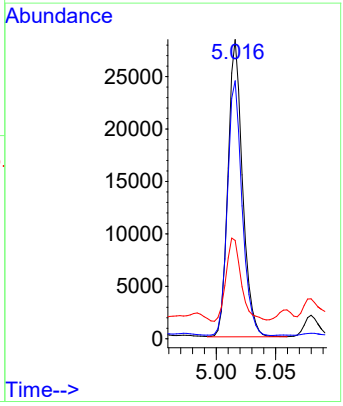


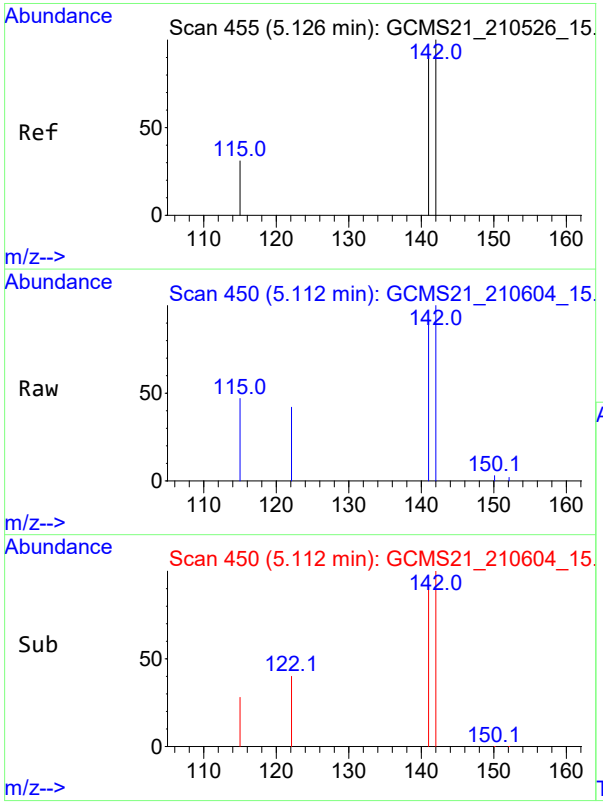


#4
2-Methylnaphthalene
Concen: 35.37 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. 0.003 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:142 Resp: 24087

Ion	Ratio	Lower	Upper
142	100		
141	86.4	56.9	116.9
115	29.1	0.0	57.7

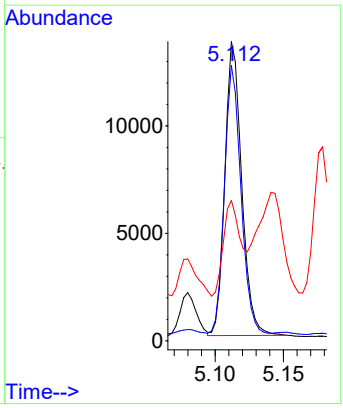


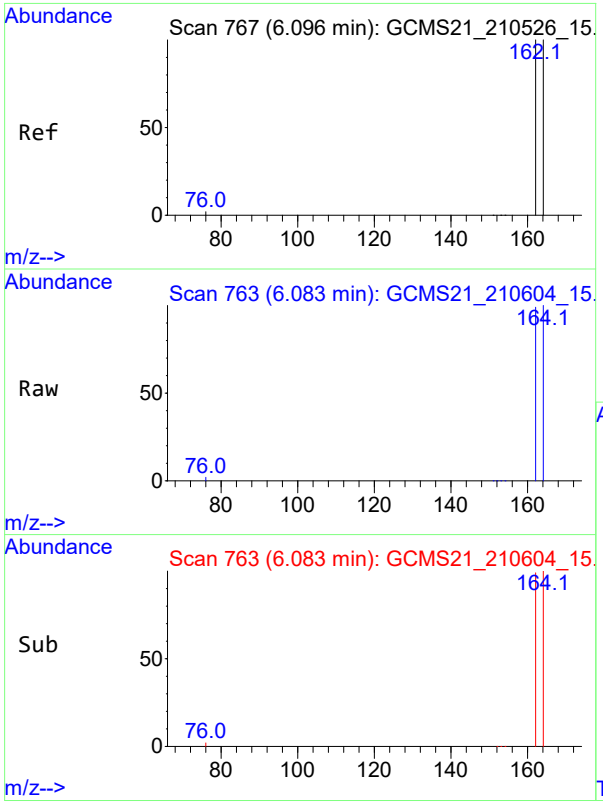


#5
1-Methylnaphthalene
Concen: 20.70 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:142 Resp: 11741

Ion	Ratio	Lower	Upper
142	100		
141	88.9	57.9	117.9
115	34.4	0.0	57.0

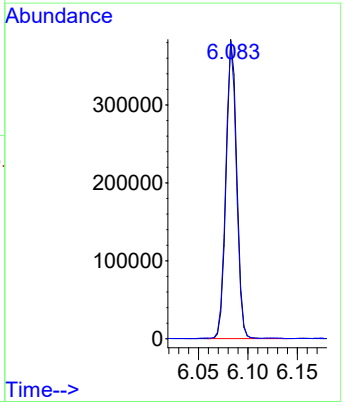


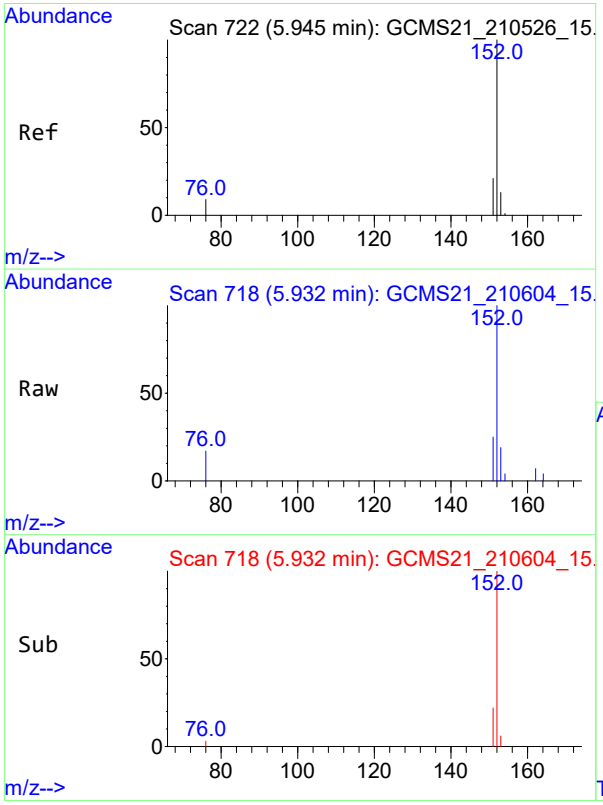


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:164 Resp: 287612

Ion	Ratio	Lower	Upper
164	100		
162	99.1	81.0	121.0

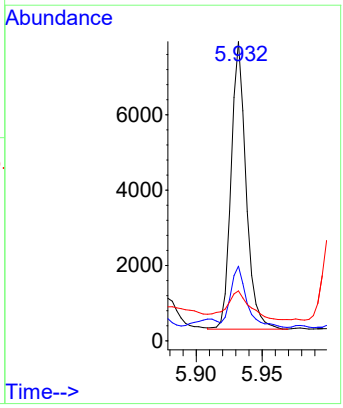


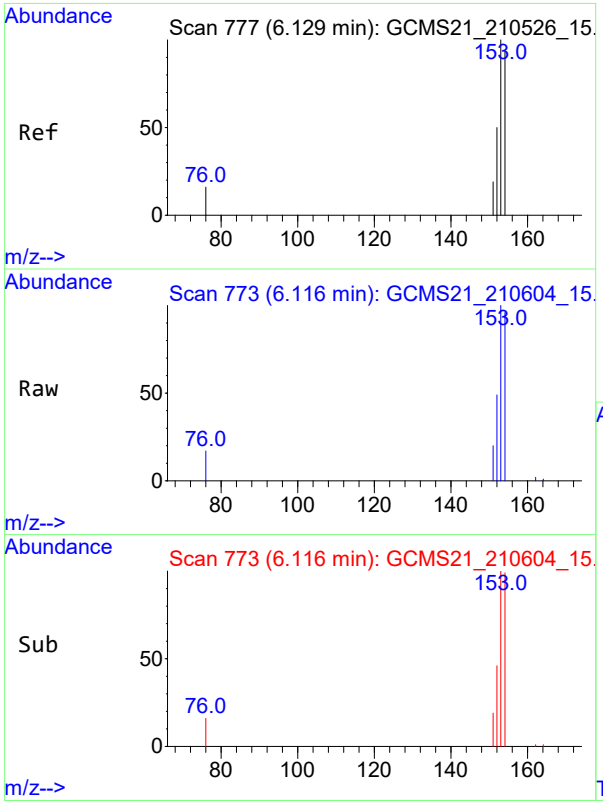


#7
Acenaphthylene
Concen: 6.29 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:152 Resp: 6009

Ion	Ratio	Lower	Upper
152	100		
151	22.8	0.0	51.0
76	15.2	0.0	38.6

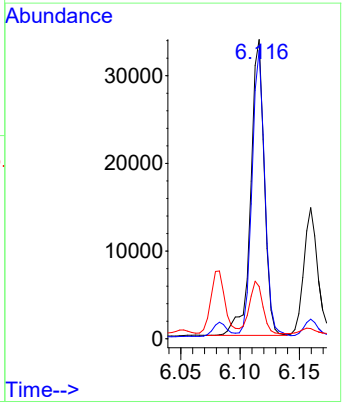


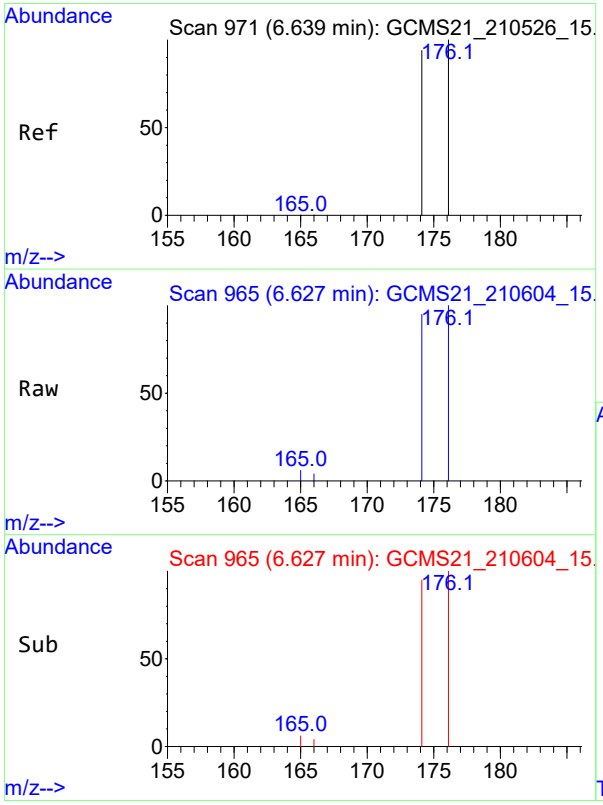


#8
Acenaphthene
Concen: 36.65 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:153 Resp: 26777

Ion	Ratio	Lower	Upper
153	100		
154	91.2	63.7	123.7
76	17.4	0.0	45.2

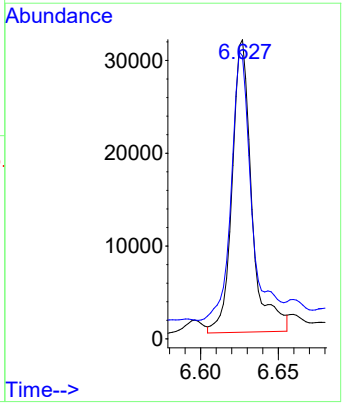


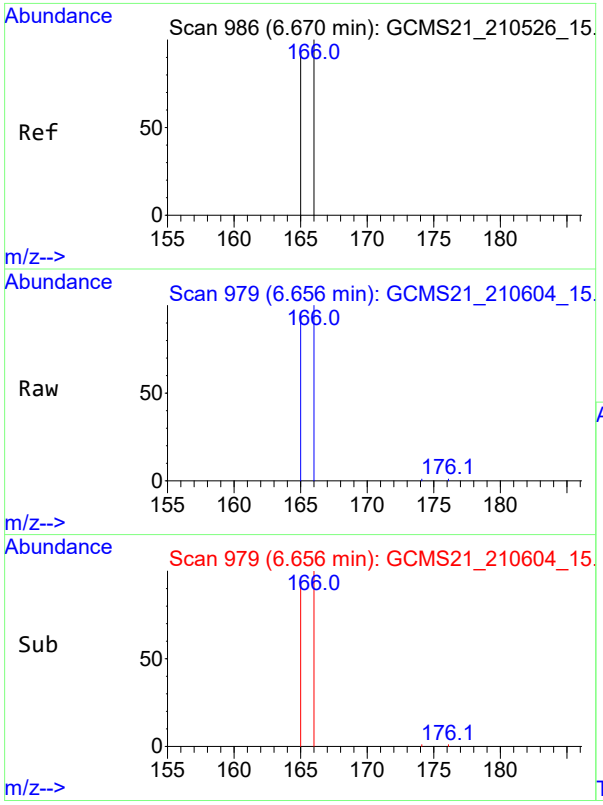


#9
Fluorene-D10
Concen: 40.23 ng/mL
RT: 6.627 min Scan# 965
Delta R.T. 0.004 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:176 Resp: 27701

Ion	Ratio	Lower	Upper
176	100		
174	94.4	63.9	123.9

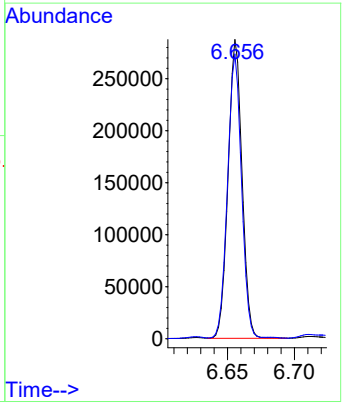


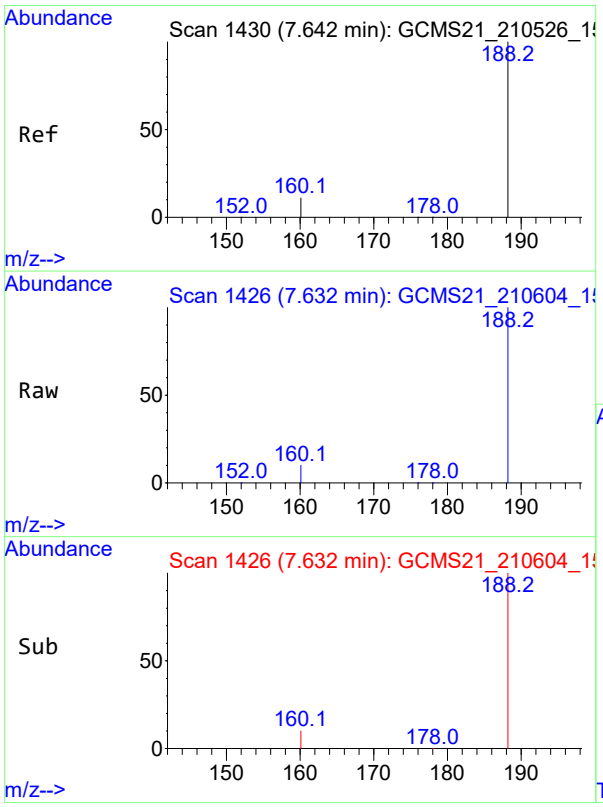


#10
Fluorene
Concen: 256.92 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. 0.004 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:166 Resp: 207797

Ion	Ratio	Lower	Upper
166	100		
165	95.2	65.1	125.1

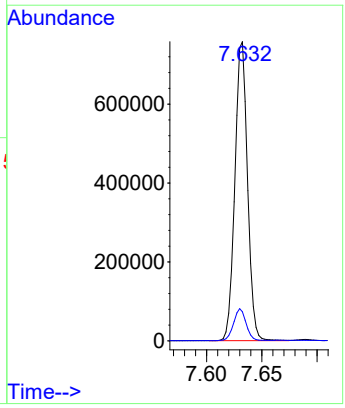


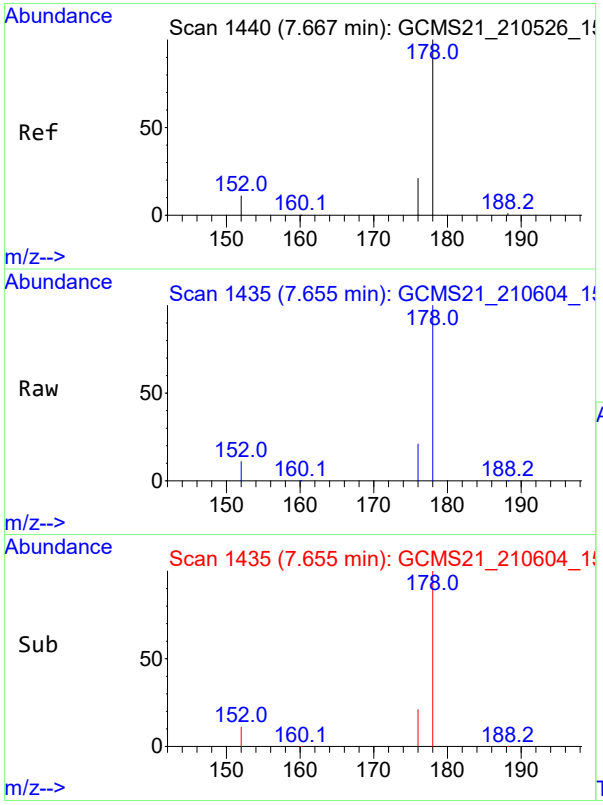


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.632 min Scan# 1426
Delta R.T. 0.005 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:188 Resp: 600222

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	41.1

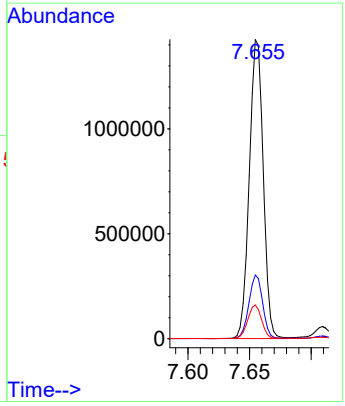


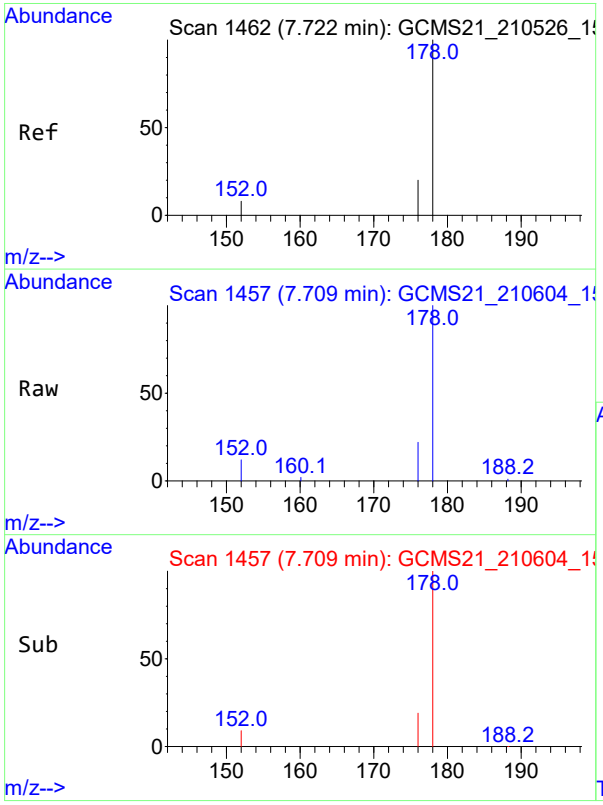


#12
Phenanthrene
Concen: 773.60 ng/mL
RT: 7.655 min Scan# 1435
Delta R.T. 0.005 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:178 Resp: 1120651

Ion	Ratio	Lower	Upper
178	100		
176	20.9	0.0	51.1
152	11.1	0.0	40.5

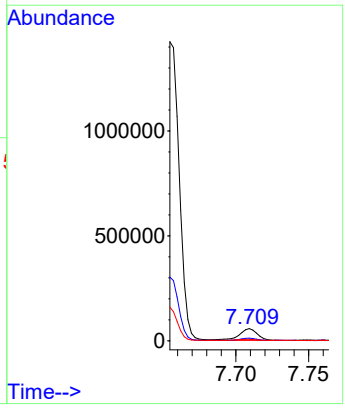


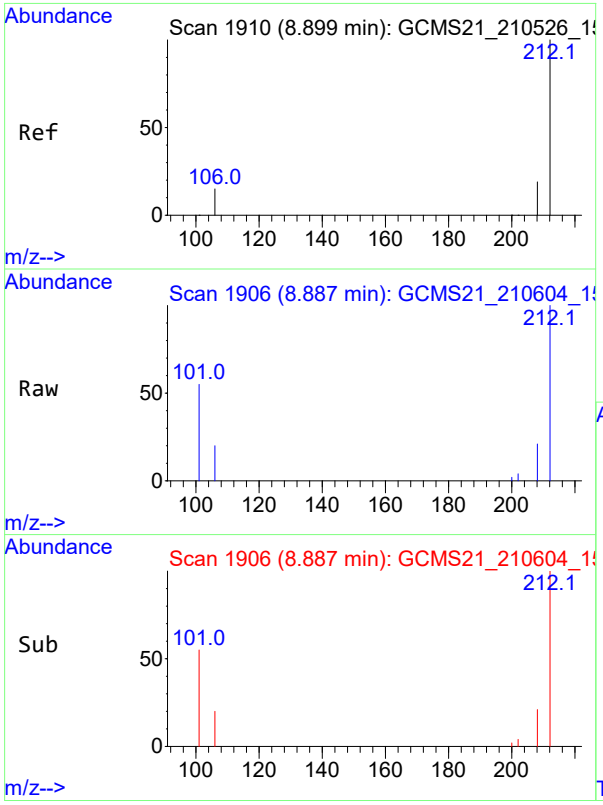


#13
Anthracene
Concen: 41.07 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:178 Resp: 49470

Ion	Ratio	Lower	Upper
178	100		
176	18.5	0.0	50.0
152	11.5	0.0	38.2

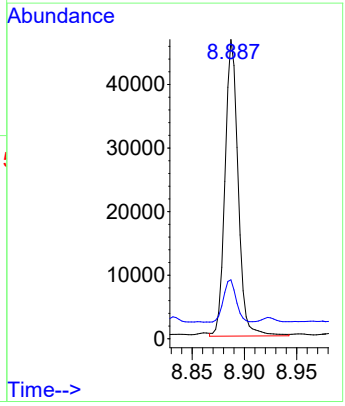


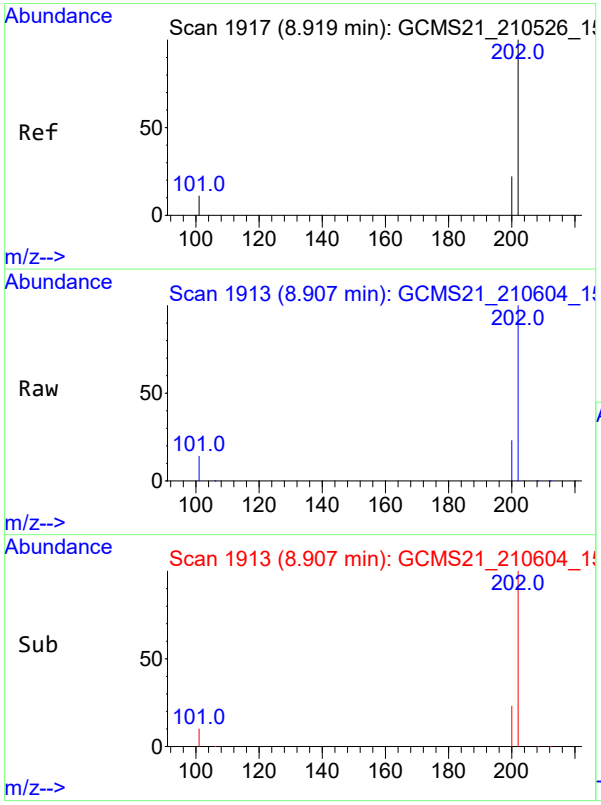


#14
Fluoranthene-D10
Concen: 31.31 ng/mL
RT: 8.887 min Scan# 1906
Delta R.T. 0.006 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:212 Resp: 40696

Ion	Ratio	Lower	Upper
212	100		
106	13.8	0.0	43.1

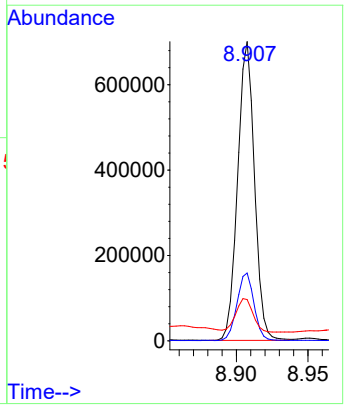


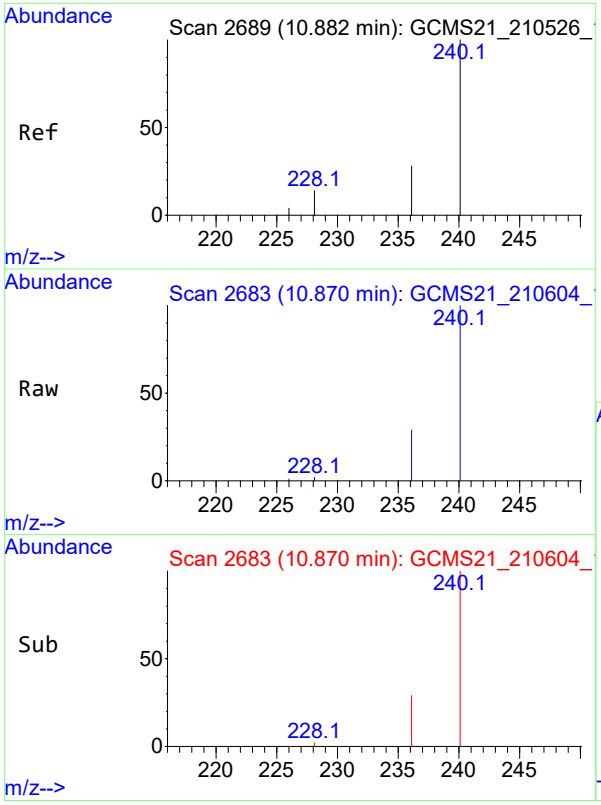


#15
Fluoranthene
Concen: 373.71 ng/mL
RT: 8.907 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:202 Resp: 571348

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.3
101	11.4	0.0	41.8

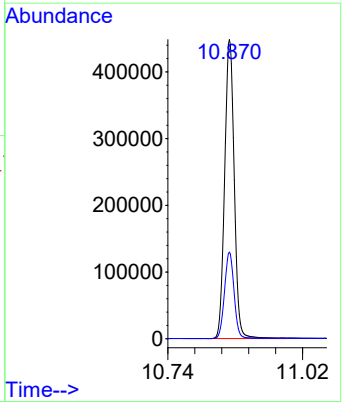


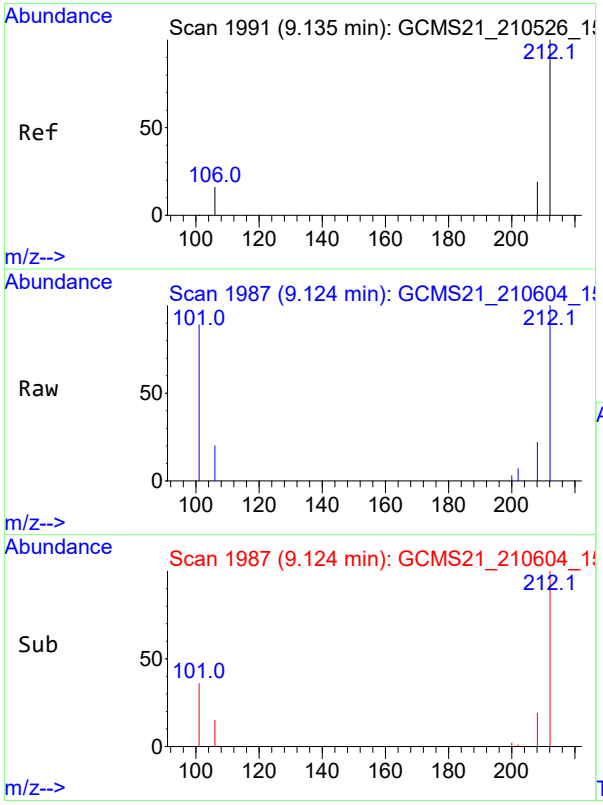


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.870 min Scan# 2683
Delta R.T. 0.008 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:240 Resp: 613807

Ion	Ratio	Lower	Upper
240	100		
236	28.9	0.0	58.5

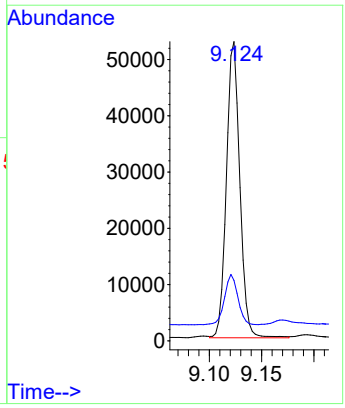


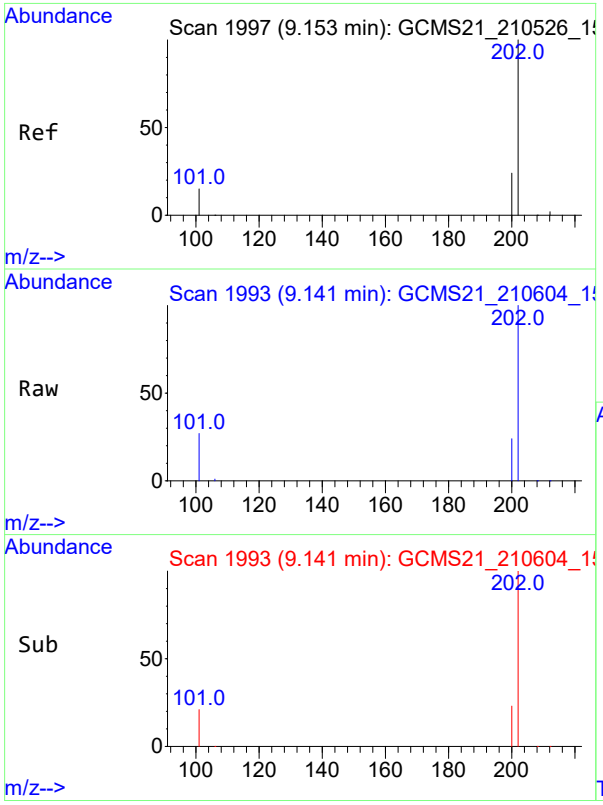


#17
Pyrene-D10
Concen: 33.42 ng/mL
RT: 9.124 min Scan# 1987
Delta R.T. 0.004 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:212 Resp: 46798

Ion	Ratio	Lower	Upper
212	100		
106	17.1	0.0	46.3

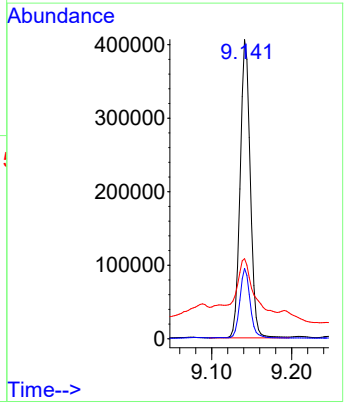


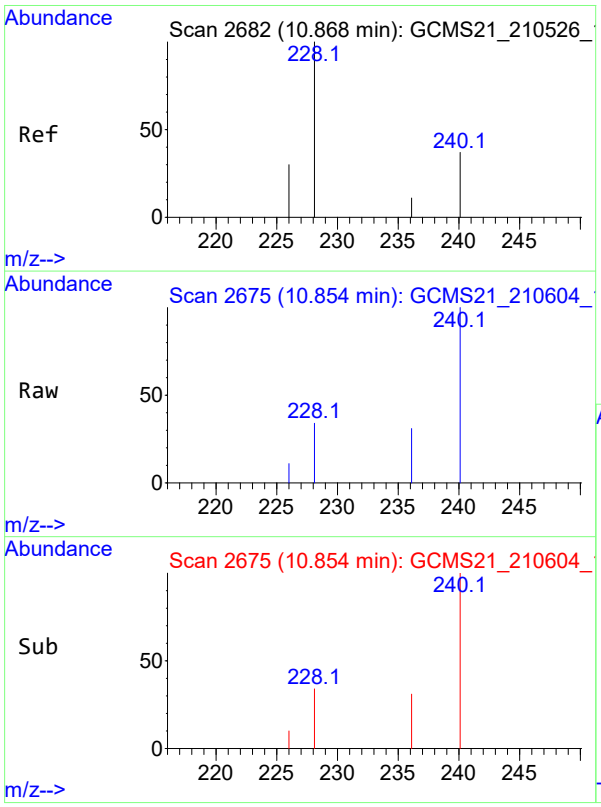


#18
Pyrene
Concen: 217.03 ng/mL
RT: 9.141 min Scan# 1993
Delta R.T. 0.001 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:202 Resp: 355033

Ion	Ratio	Lower	Upper
202	100		
200	24.2	0.0	53.3
101	40.2	0.0	43.2

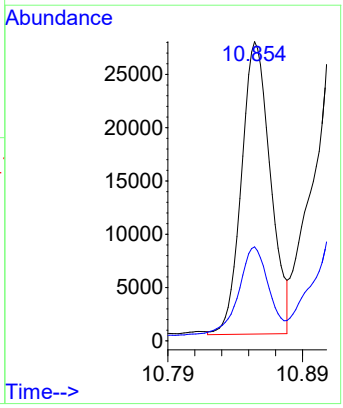


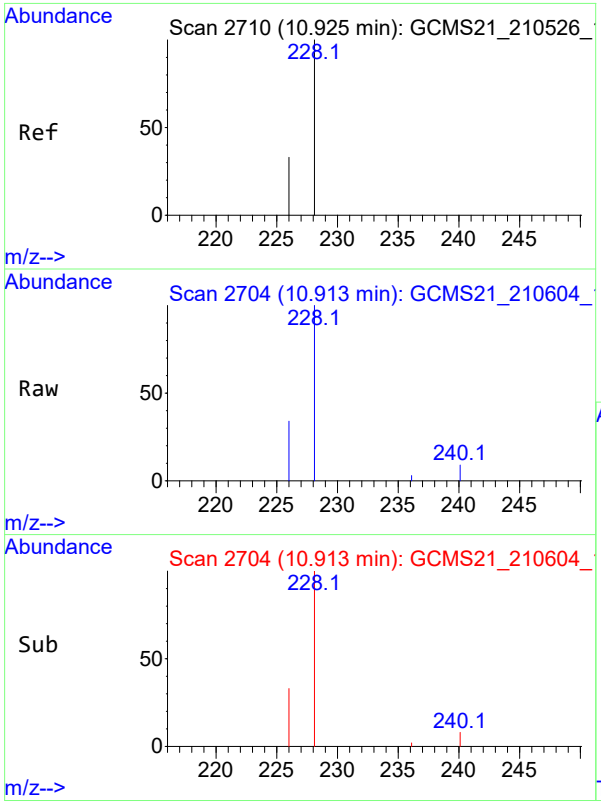


#19
Benzo(a)anthracene
Concen: 31.10 ng/mL
RT: 10.854 min Scan# 2675
Delta R.T. 0.006 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:228 Resp: 38401

Ion	Ratio	Lower	Upper
228	100		
226	31.8	0.0	59.2

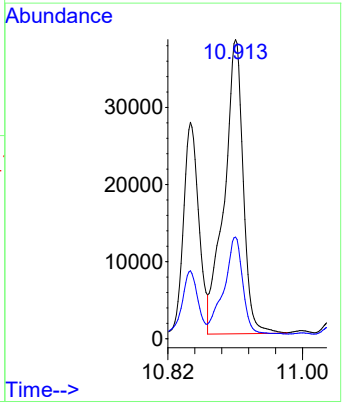


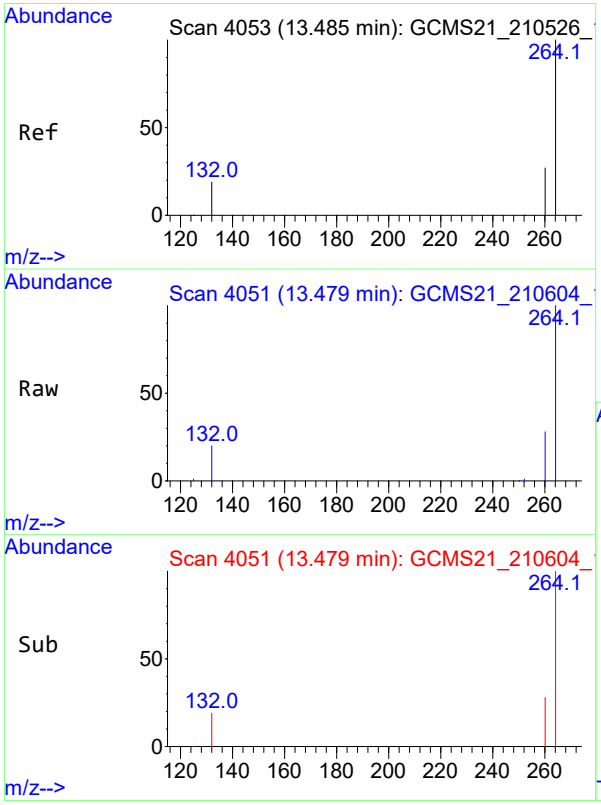


#20
Chrysene
Concen: 43.27 ng/mL
RT: 10.913 min Scan# 2704
Delta R.T. 0.008 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:228 Resp: 65955

Ion	Ratio	Lower	Upper
228	100		
226	33.5	1.9	61.9

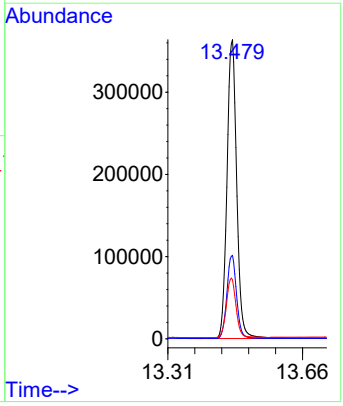


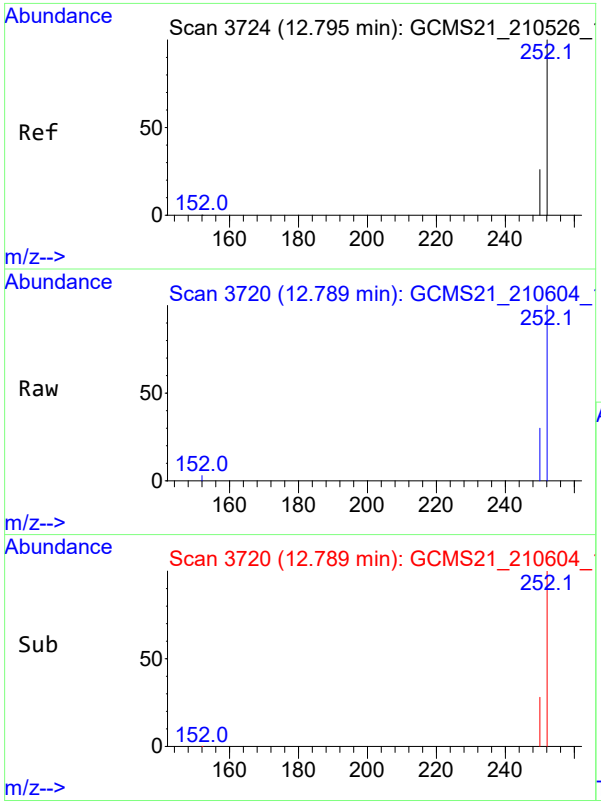


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.479 min Scan# 4051
Delta R.T. 0.017 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:264 Resp: 631782

Ion	Ratio	Lower	Upper
264	100		
260	27.9	0.0	57.7
132	19.7	0.0	49.0

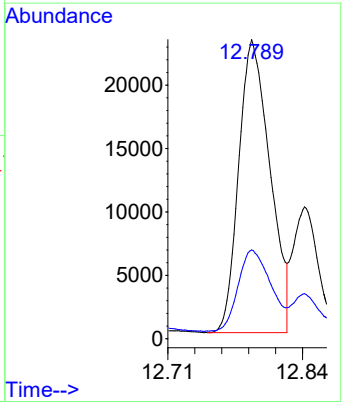


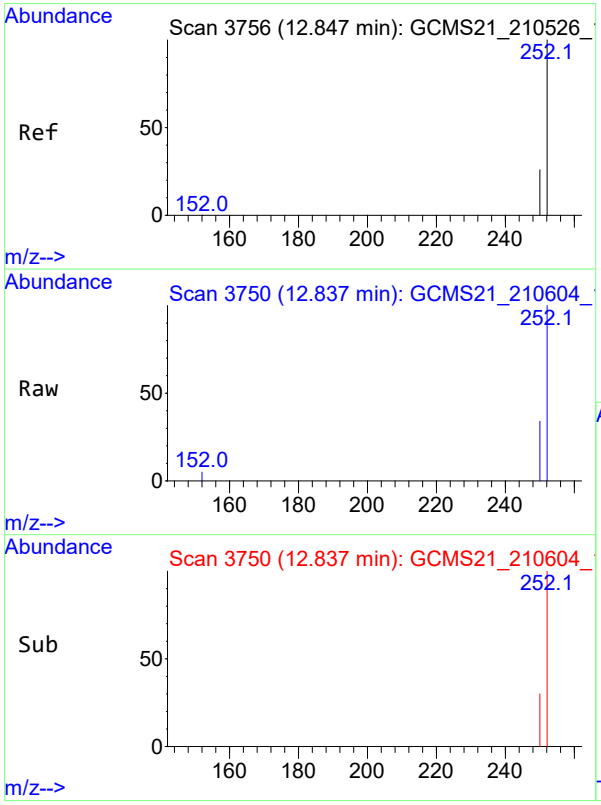


#22
Benzo(b)fluoranthene
Concen: 35.19 ng/mL
RT: 12.789 min Scan# 3720
Delta R.T. 0.016 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:252 Resp: 46152

Ion	Ratio	Lower	Upper
252	100		
250	28.9	0.0	56.1

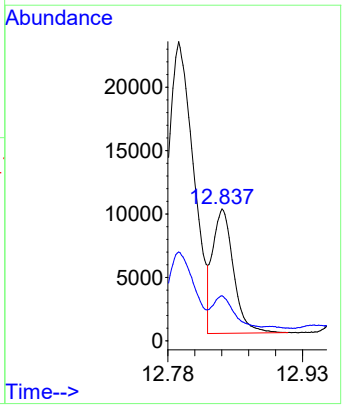


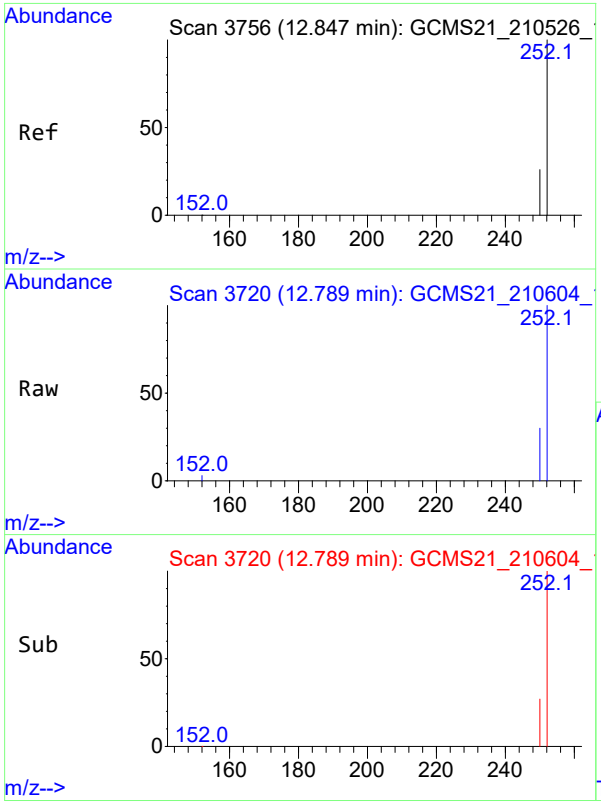


#23
Benzo(k)fluoranthene
Concen: 11.05 ng/mL
RT: 12.837 min Scan# 3750
Delta R.T. 0.014 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:252 Resp: 16065

Ion	Ratio	Lower	Upper
252	100		
250	27.4	0.0	55.4

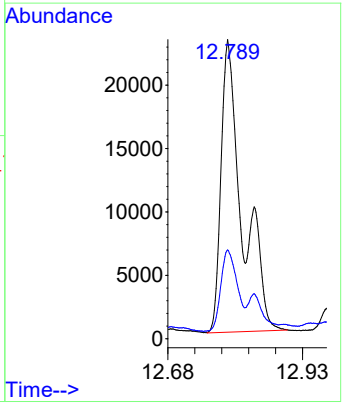


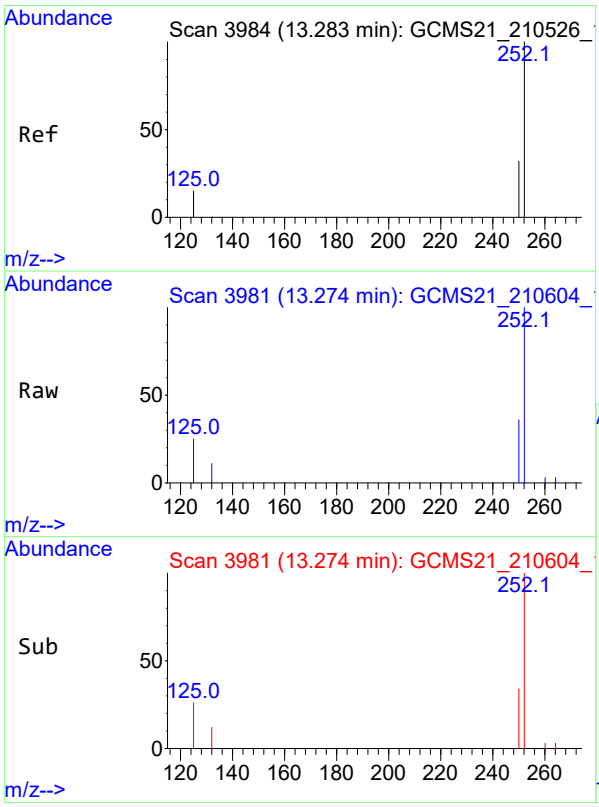


#24
benzo(b+k)fluoranthene (sum)
Concen: 43.50 ng/mL m
RT: 12.789 min Scan# 3720
Delta R.T. -0.035 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:252 Resp: 61981

Ion	Ratio	Lower	Upper
252	100		
250	7.1	0.0	55.4

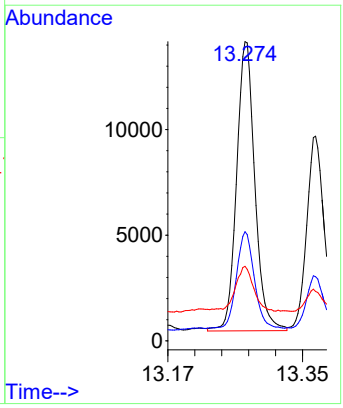


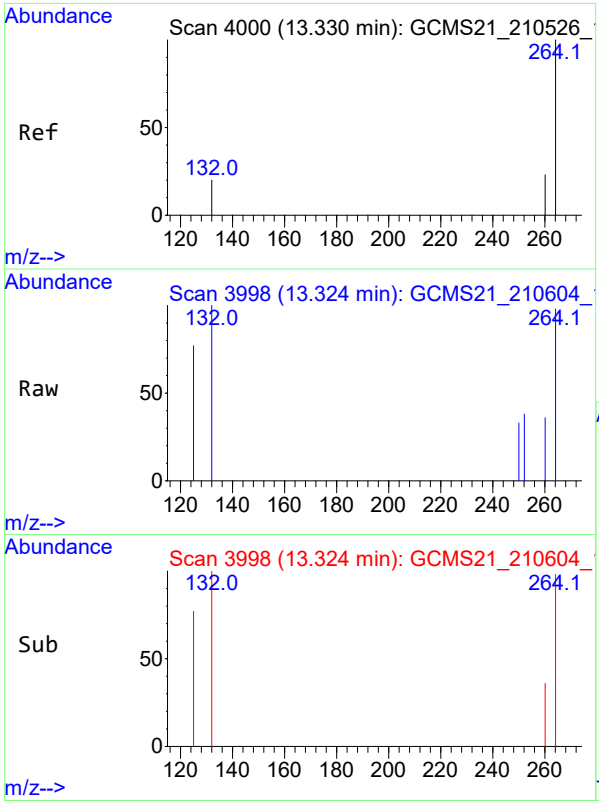


#25
Benzo(e)pyrene
Concen: 17.37 ng/mL
RT: 13.274 min Scan# 3981
Delta R.T. 0.015 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:252 Resp: 22974

Ion	Ratio	Lower	Upper
252	100		
250	33.8	2.1	62.1
125	23.1	0.0	45.8

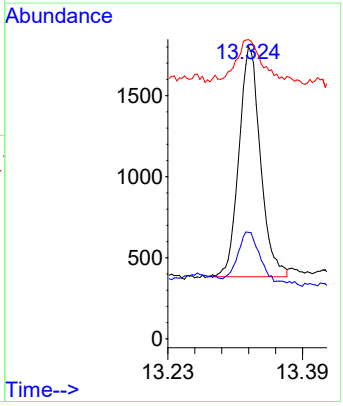


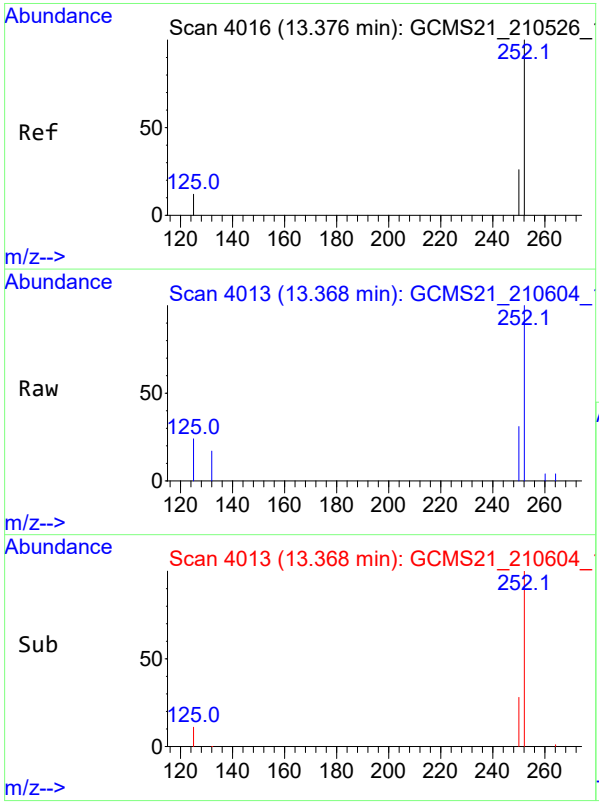


#26
Benzo(a)pyrene-D12
Concen: 2.36 ng/mL
RT: 13.324 min Scan# 3998
Delta R.T. 0.012 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:264 Resp: 2420

Ion	Ratio	Lower	Upper
264	100		
260	21.0	0.0	52.9
132	18.4	0.0	48.4

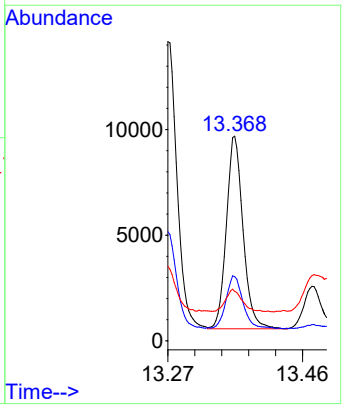


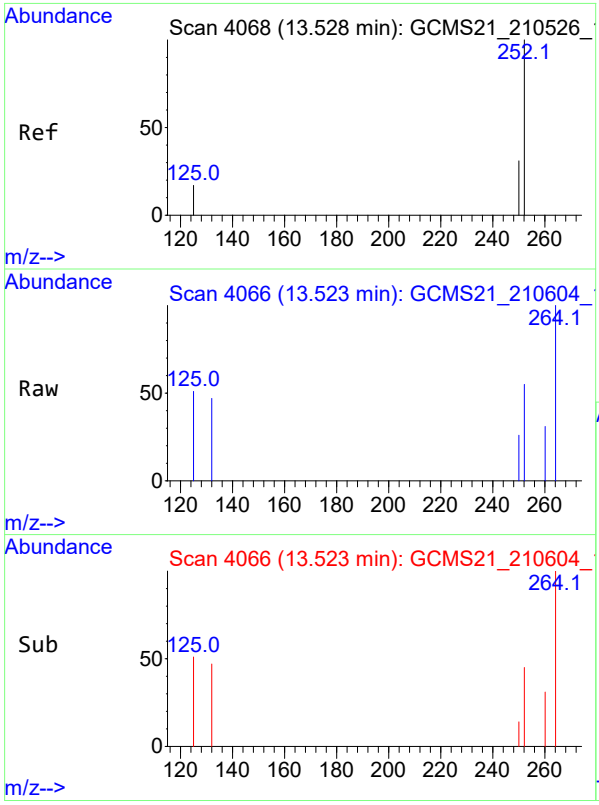


#27
Benzo(a)pyrene
Concen: 12.35 ng/mL
RT: 13.368 min Scan# 4013
Delta R.T. 0.018 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:252 Resp: 14777

Ion	Ratio	Lower	Upper
252	100		
250	28.1	0.0	56.7
125	11.5	0.0	42.1

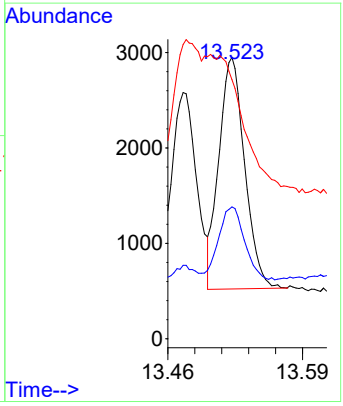


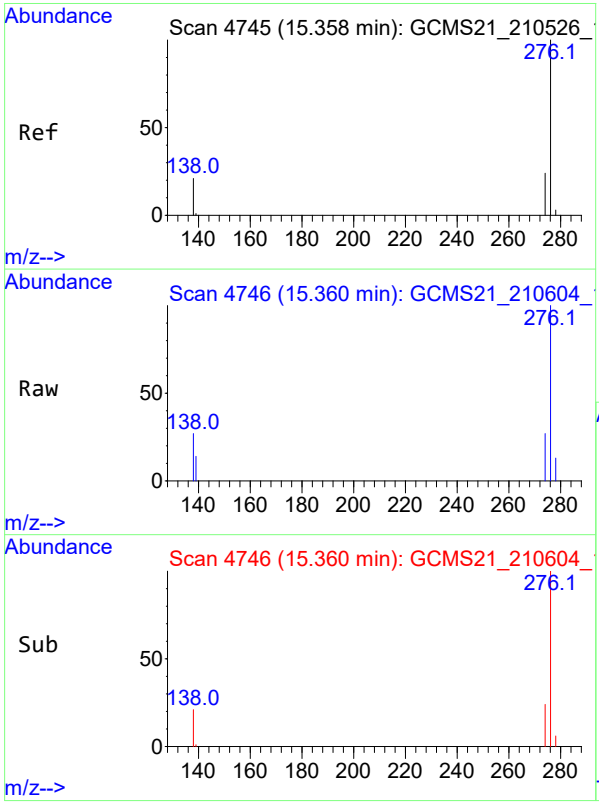


#28
Perylene
Concen: 3.10 ng/mL
RT: 13.523 min Scan# 4066
Delta R.T. 0.017 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:252 Resp: 4164

Ion	Ratio	Lower	Upper
252	100		
250	32.9	1.2	61.2
125	0.0	0.0	46.5

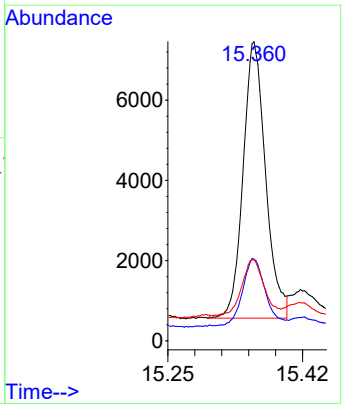


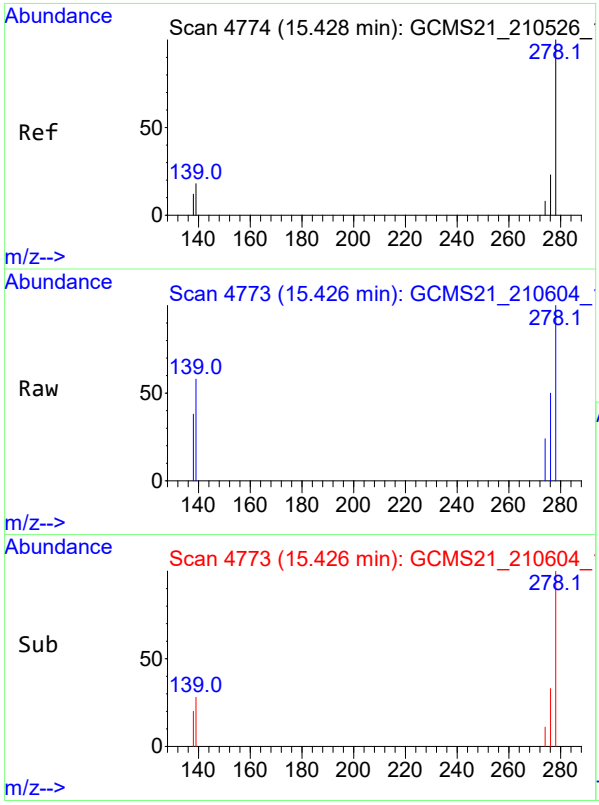


#29
Indeno(1,2,3-cd)pyrene
Concen: 13.11 ng/mL
RT: 15.360 min Scan# 4746
Delta R.T. 0.028 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:276 Resp: 13429

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	53.5
138	20.2	0.0	50.6

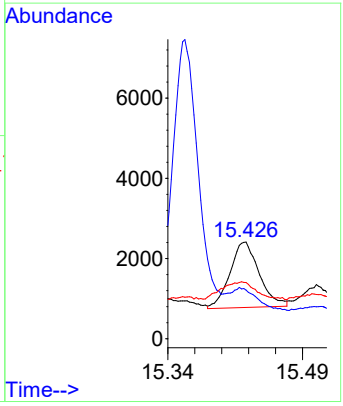


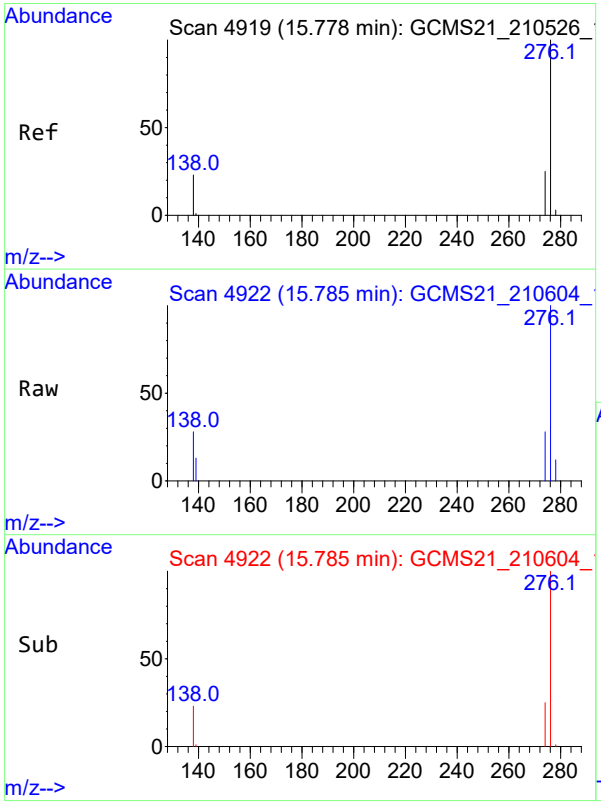


#30
Dibenz(a,h)anthracene
Concen: 3.45 ng/mL
RT: 15.426 min Scan# 4773
Delta R.T. 0.021 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:278 Resp: 3526

Ion	Ratio	Lower	Upper
278	100		
276	42.4	0.0	58.7
139	31.7	0.0	47.2

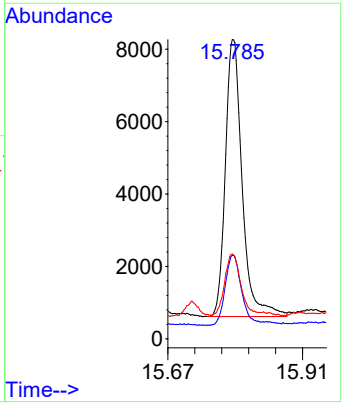




#31
Benzo(g,h,i)perylene
Concen: 12.43 ng/mL
RT: 15.785 min Scan# 4922
Delta R.T. 0.028 min
Lab File: GCMS21_210604_15.D
Acq: 04 Jun 2021 14:28

Tgt Ion:276 Resp: 16540

Ion	Ratio	Lower	Upper
276	100		
274	24.5	0.0	54.2
138	21.2	0.0	52.4



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_08.D
Acq On : 04 Jun 2021 11:34
Operator : MN GCMS21
Sample : 2105001-18RE1
Misc : ~~100µL+500µL 21D3002 (6X)~~
ALS Vial : 7 Sample Multiplier: 1

Dilution information error, corrected as 100µL of sample in 400µL dilution solvent. (5X)
MN 07.01.2021

Quant Time: Jun 30 12:01:31 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.290	136	473165	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.083	164	287688	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.632	188	606054	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.870	240	638470	500.00	ng/mL	0.00
21) PERYLENE-D12	13.476	264	692403	500.00	ng/mL	0.01
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.972	152	237	0.40	ng/mL	0.00
9) Fluorene-D10	6.625	176	64386	93.48	ng/mL	0.00
14) Fluoranthene-D10	8.887	212	115231	87.81	ng/mL	0.00
17) Pyrene-D10	9.123	212	131239	90.09	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.321	264	5566	4.95	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	4.310	128	393037	432.92	ng/mL	98
4) 2-Methylnaphthalene	5.016	142	57781	86.42	ng/mL	98
5) 1-Methylnaphthalene	5.112	142	28134	50.52	ng/mL	99
7) Acenaphthylene	5.932	152	19062	19.96	ng/mL	93
8) Acenaphthene	6.116	153	61910	84.70	ng/mL	97
10) Fluorene	6.656	166	487681	602.81	ng/mL	100
12) Phenanthrene	7.657	178	3251924	2223.25	ng/mL	98
13) Anthracene	7.709	178	158720	130.50	ng/mL	96
15) Fluoranthene	8.907	202	1668702	1080.96	ng/mL	99
18) Pyrene	9.144	202	1046049	614.73	ng/mL	98
19) Benzo(a)anthracene	10.854	228	117157	91.23	ng/mL	93
20) Chrysene	10.911	228	203685	128.47	ng/mL	98
22) Benzo(b)fluoranthene	12.785	252	153775	106.99	ng/mL	95
23) Benzo(k)fluoranthene	12.834	252	50906	31.96	ng/mL	88
24) benzo(b+k)fluoranthene...	12.785	252	204682m	131.06	ng/mL	
25) Benzo(e)pyrene	13.274	252	76193	52.56	ng/mL	89
27) Benzo(a)pyrene	13.365	252	49554	37.78	ng/mL	98
28) Perylene	13.520	252	13977	9.49	ng/mL#	34
29) Indeno(1,2,3-cd)pyrene	15.353	276	50933	45.38	ng/mL	99
30) Dibenz(a,h)anthracene	15.418	278	13341	11.93	ng/mL	80
31) Benzo(g,h,i)perylene	15.777	276	60187	41.27	ng/mL	98

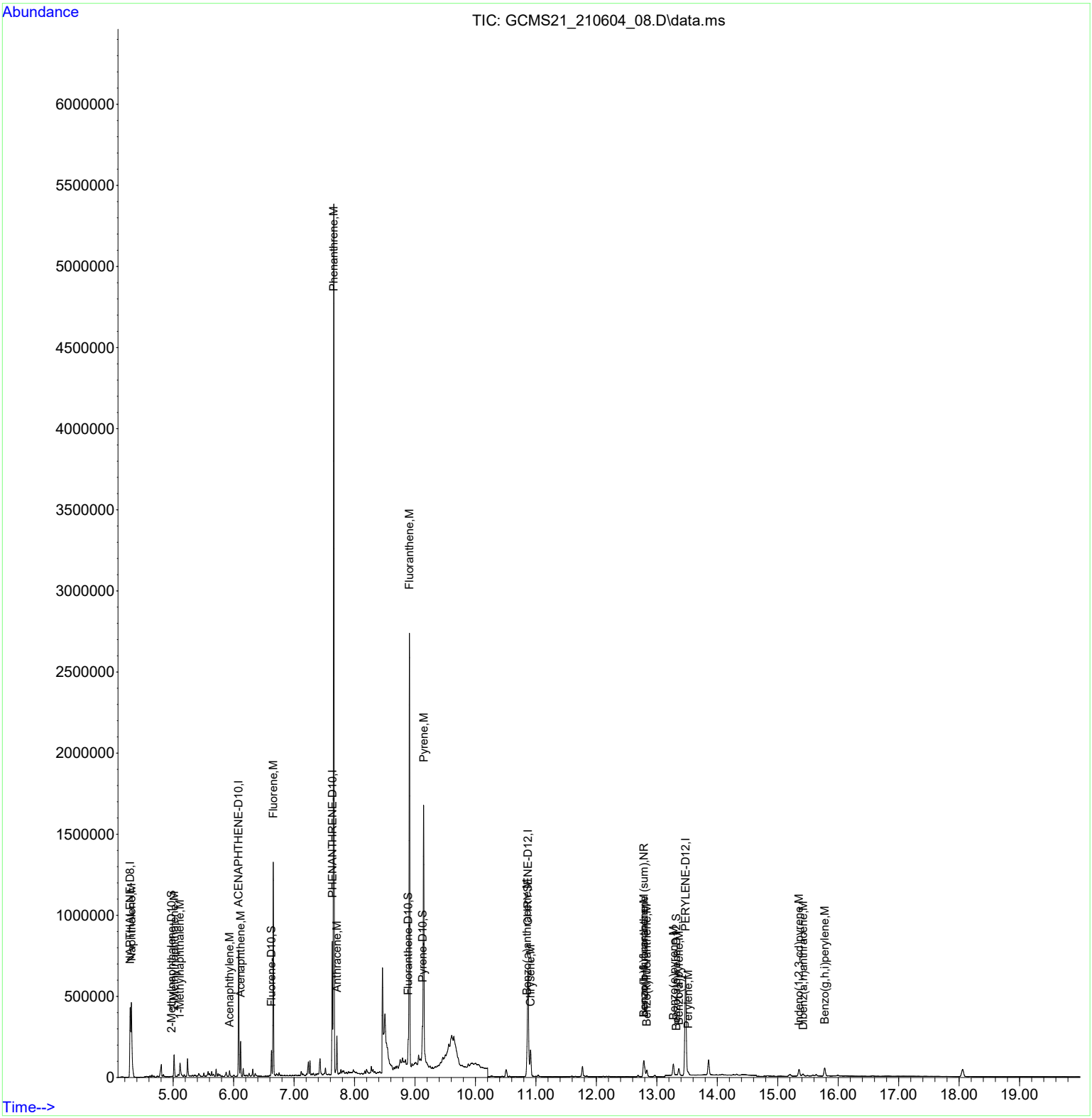
Naphthalene,Fluorene, Pyrene and Fluoranthene were reported form this run. MN 07.01.2021

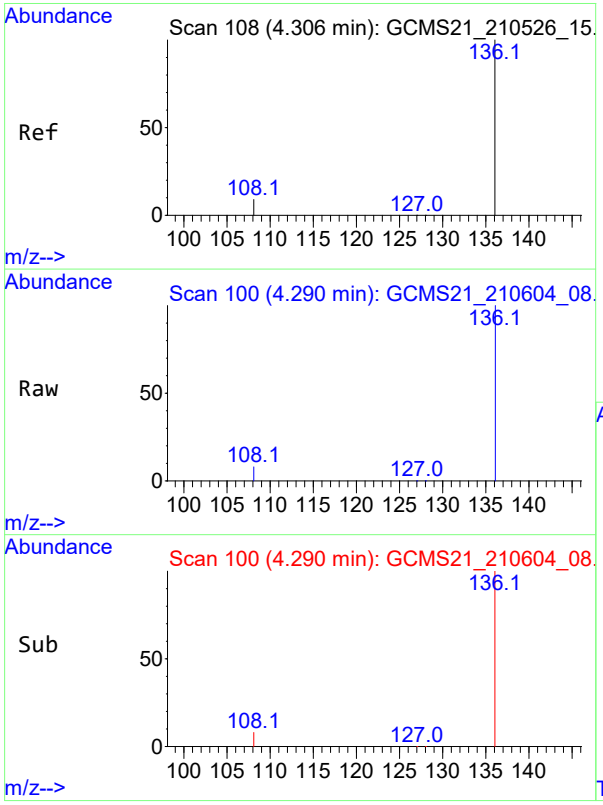
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210604__B21E006\
Data File : GCMS21_210604_08.D
Acq On : 04 Jun 2021 11:34
Operator : MN GCMS21
Sample : 2105001-18RE1
Misc : 100µL+500µL 21D3002 (6X)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 30 12:01:31 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0604.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

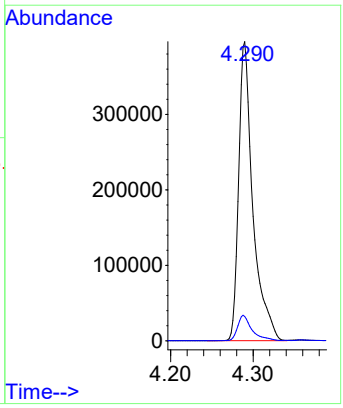


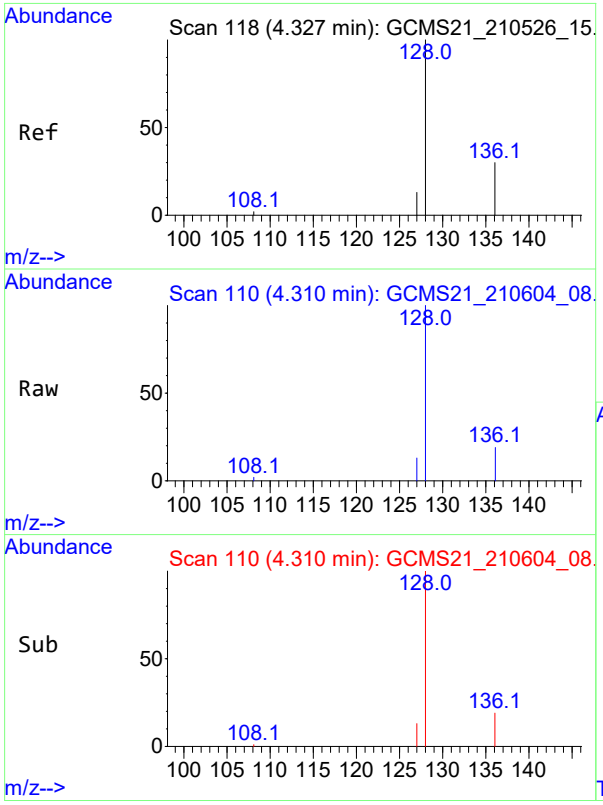


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.290 min Scan# 100
Delta R.T. 0.002 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:136 Resp: 473165

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.6

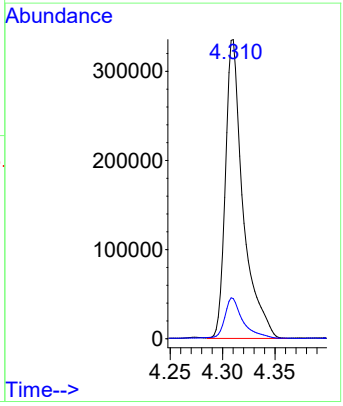


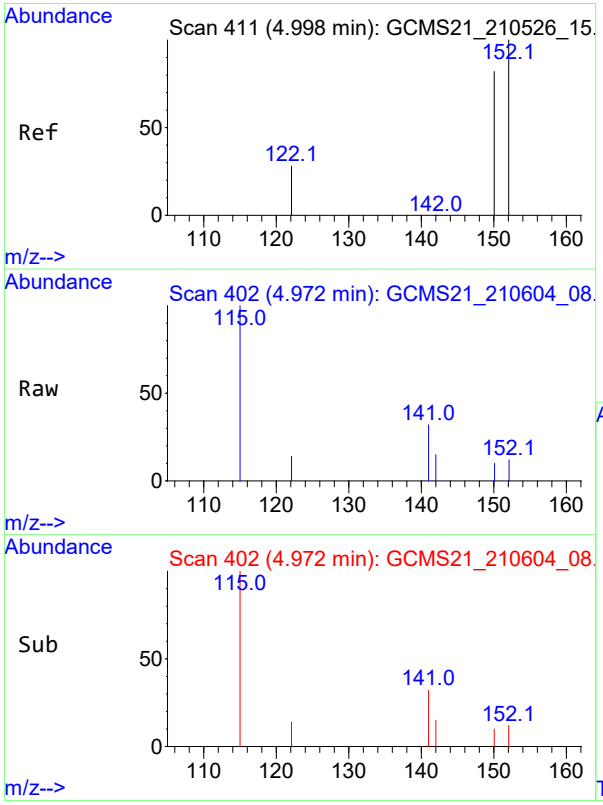


#2
Naphthalene
Concen: 432.92 ng/mL
RT: 4.310 min Scan# 110
Delta R.T. 0.002 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:128 Resp: 393037

Ion	Ratio	Lower	Upper
128	100		
127	14.1	0.0	43.4

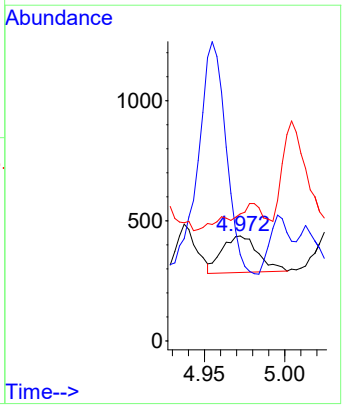


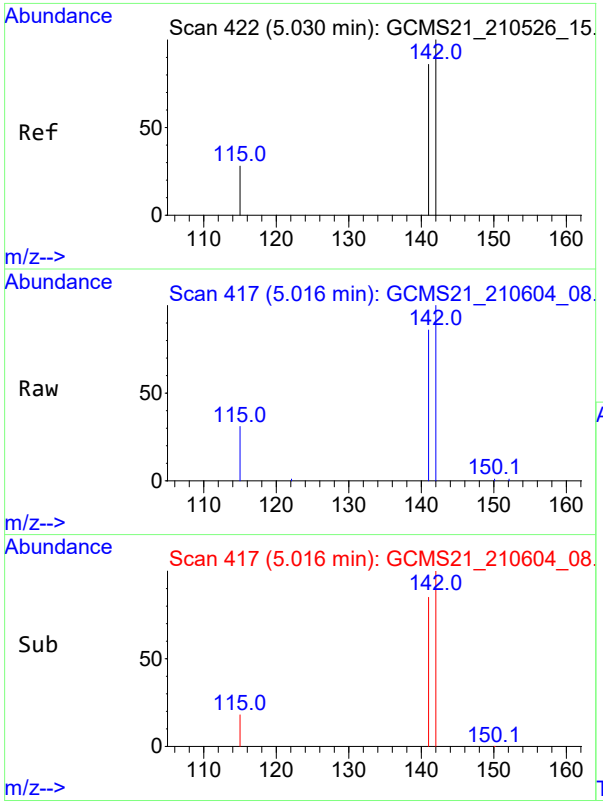


#3
2-Methylnaphthalene-D10
Concen: 0.40 ng/mL
RT: 4.972 min Scan# 402
Delta R.T. -0.009 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:152 Resp: 237

Ion	Ratio	Lower	Upper
152	100		
150	494.5	52.3	112.3#
122	0.0	0.0	57.8

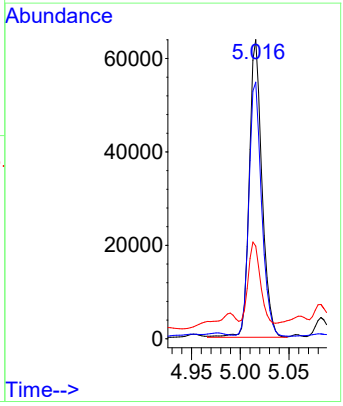


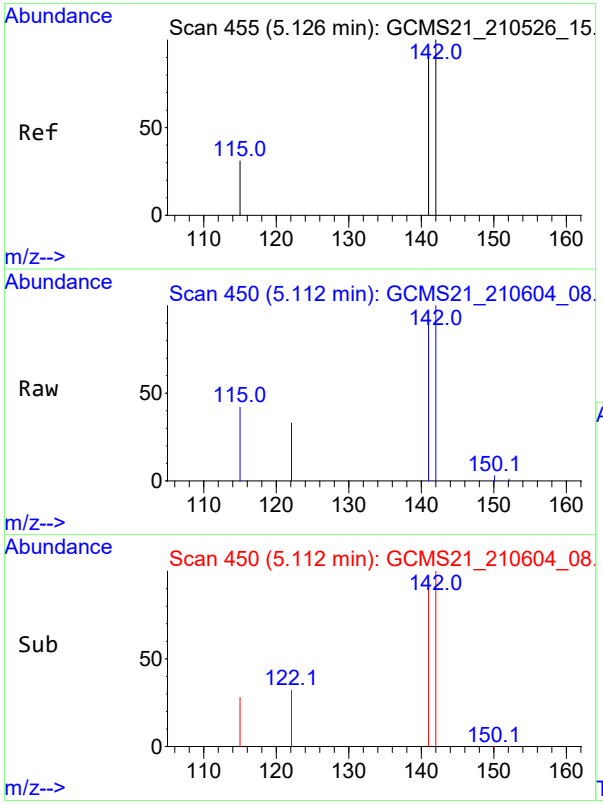


#4
2-Methylnaphthalene
Concen: 86.42 ng/mL
RT: 5.016 min Scan# 417
Delta R.T. 0.003 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:142 Resp: 57781

Ion	Ratio	Lower	Upper
142	100		
141	85.5	56.9	116.9
115	26.3	0.0	57.7

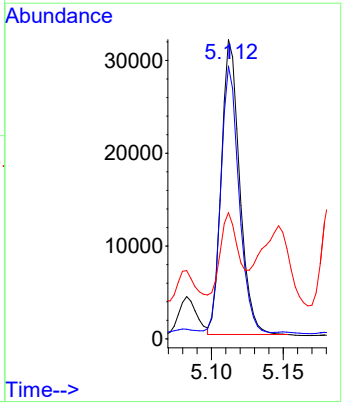


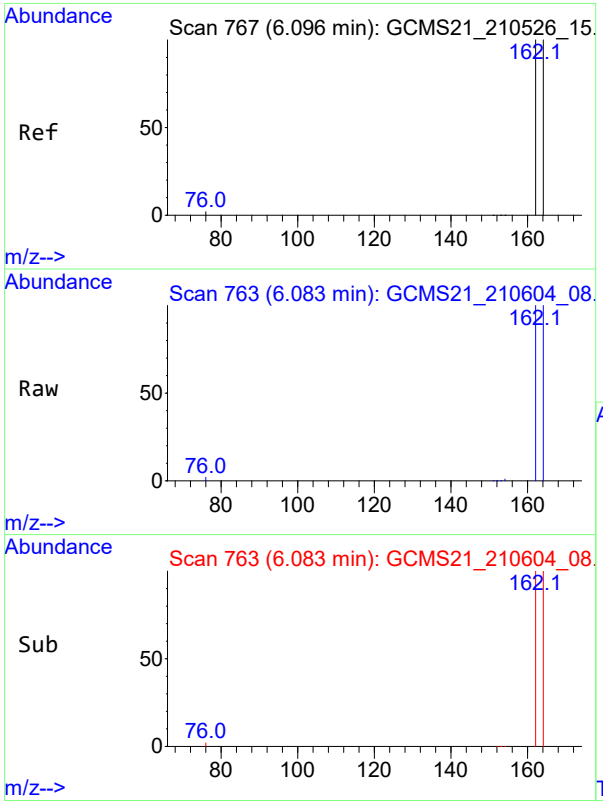


#5
1-Methylnaphthalene
Concen: 50.52 ng/mL
RT: 5.112 min Scan# 450
Delta R.T. -0.000 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:142 Resp: 28134

Ion	Ratio	Lower	Upper
142	100		
141	89.1	57.9	117.9
115	26.1	0.0	57.0

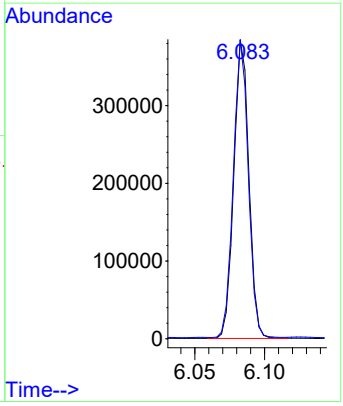


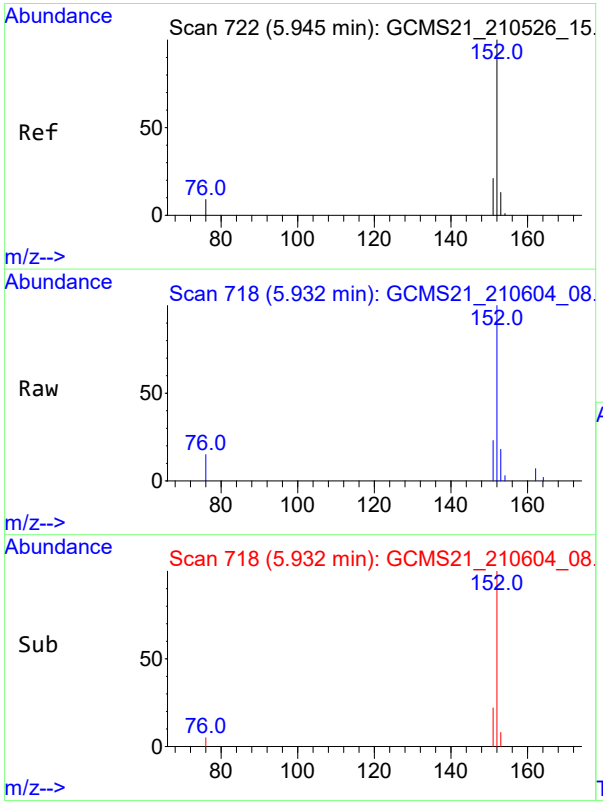


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.083 min Scan# 763
Delta R.T. 0.003 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:164 Resp: 287688

Ion	Ratio	Lower	Upper
164	100		
162	99.2	81.0	121.0

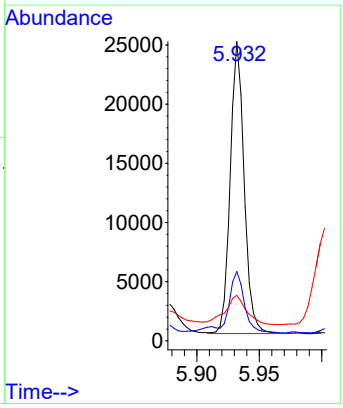


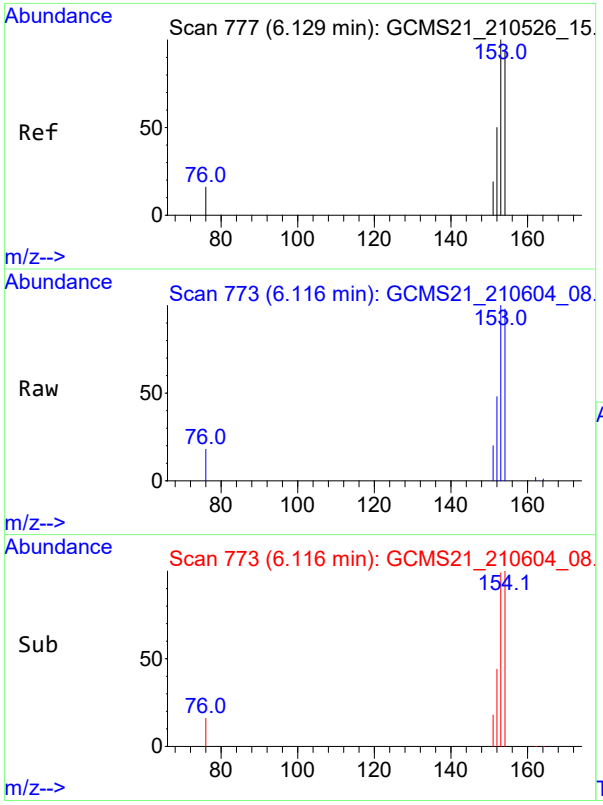


#7
Acenaphthylene
Concen: 19.96 ng/mL
RT: 5.932 min Scan# 718
Delta R.T. 0.003 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:152 Resp: 19062

Ion	Ratio	Lower	Upper
152	100		
151	22.1	0.0	51.0
76	15.4	0.0	38.6

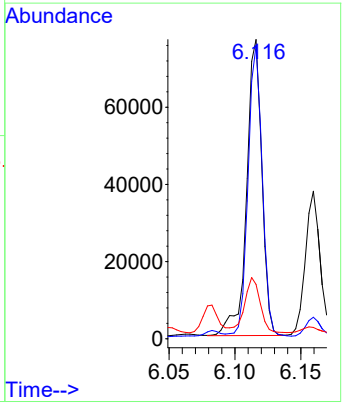


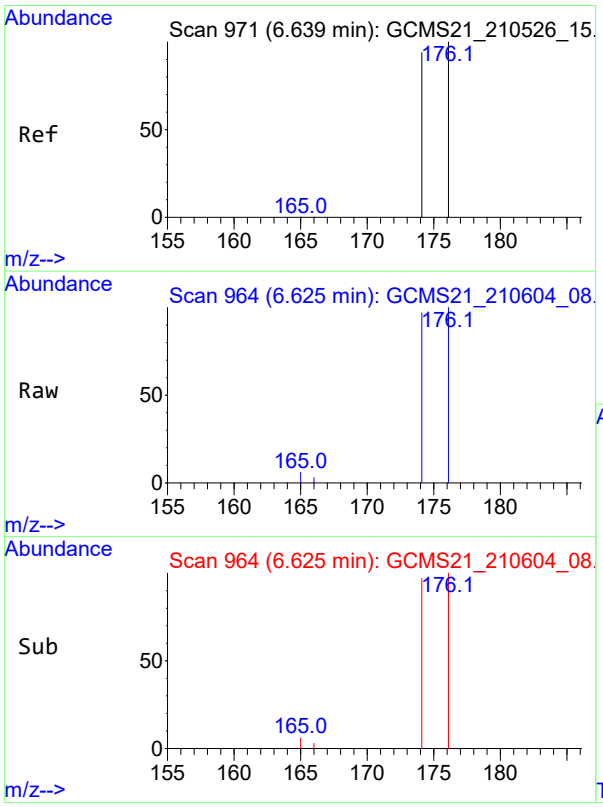


#8
Acenaphthene
Concen: 84.70 ng/mL
RT: 6.116 min Scan# 773
Delta R.T. 0.003 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:153 Resp: 61910

Ion	Ratio	Lower	Upper
153	100		
154	91.4	63.7	123.7
76	18.8	0.0	45.2

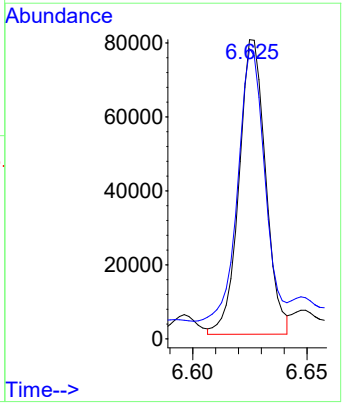


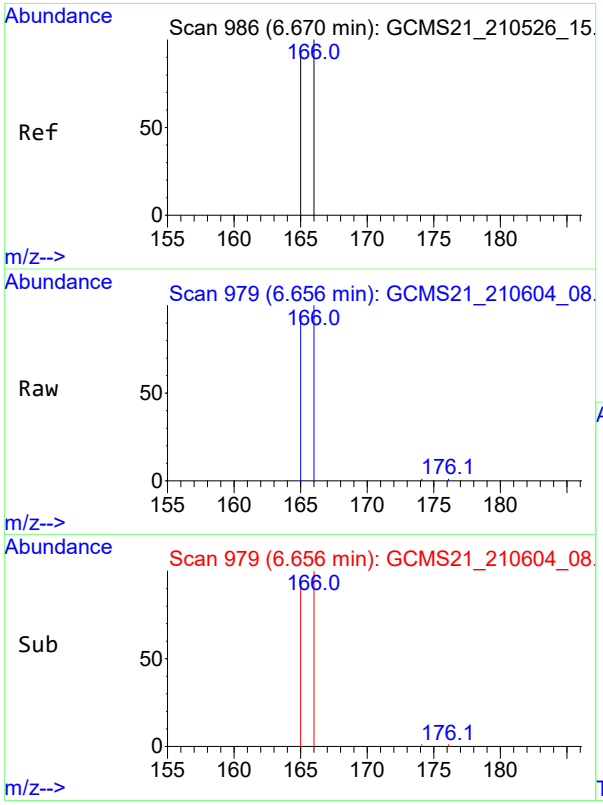


#9
Fluorene-D10
Concen: 93.48 ng/mL
RT: 6.625 min Scan# 964
Delta R.T. 0.002 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:176 Resp: 64386

Ion	Ratio	Lower	Upper
176	100		
174	93.4	63.9	123.9

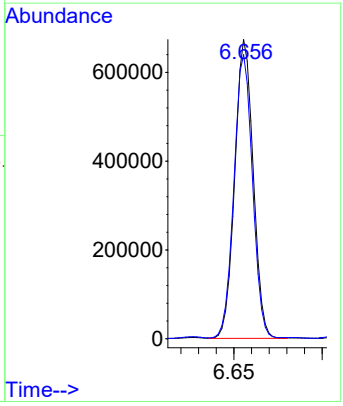


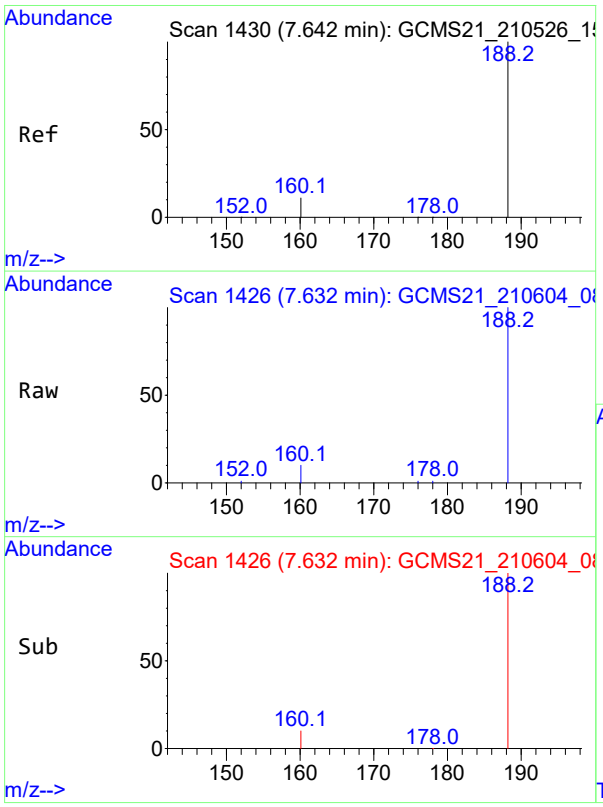


#10
Fluorene
Concen: 602.81 ng/mL
RT: 6.656 min Scan# 979
Delta R.T. 0.004 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:166 Resp: 487681

Ion	Ratio	Lower	Upper
166	100		
165	95.4	65.1	125.1

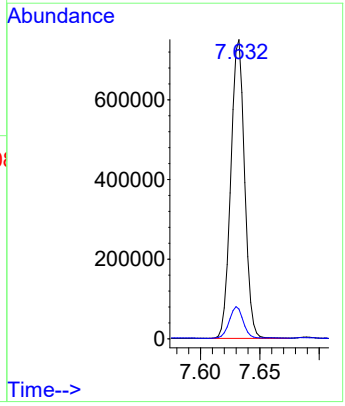


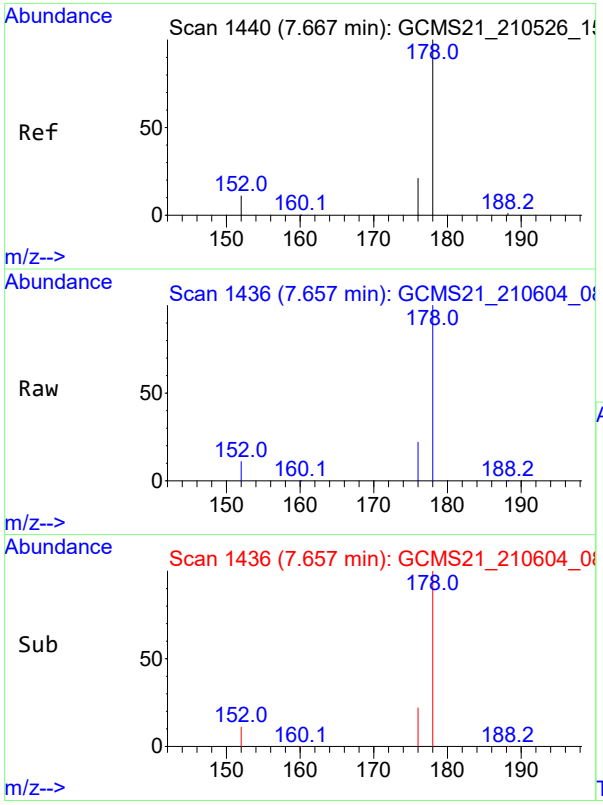


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.632 min Scan# 1426
Delta R.T. 0.005 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:188 Resp: 606054

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	41.1

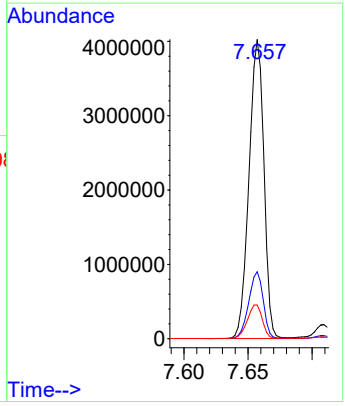


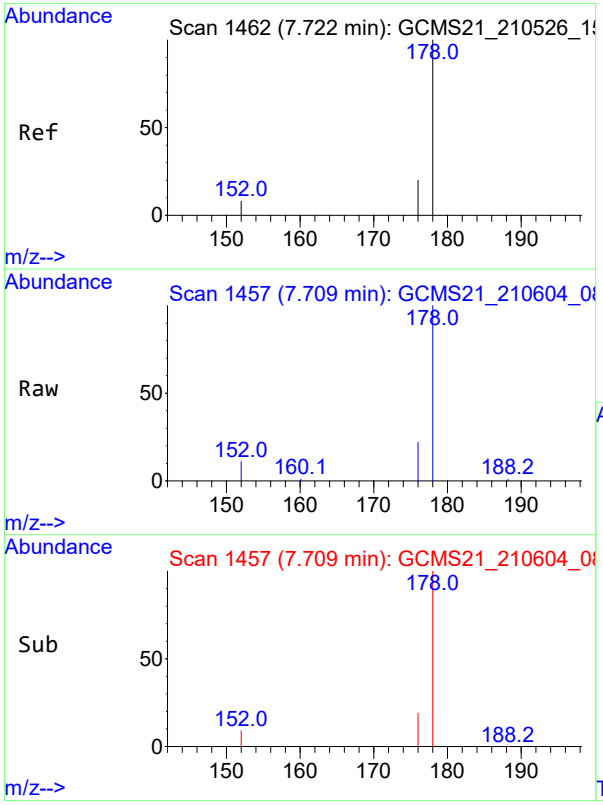


#12
Phenanthrene
Concen: 2223.25 ng/mL
RT: 7.657 min Scan# 1436
Delta R.T. 0.007 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:178 Resp: 3251924

Ion	Ratio	Lower	Upper
178	100		
176	21.7	0.0	51.1
152	11.3	0.0	40.5

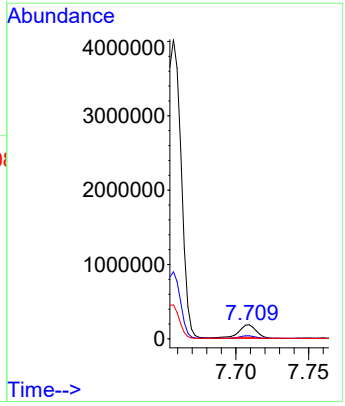


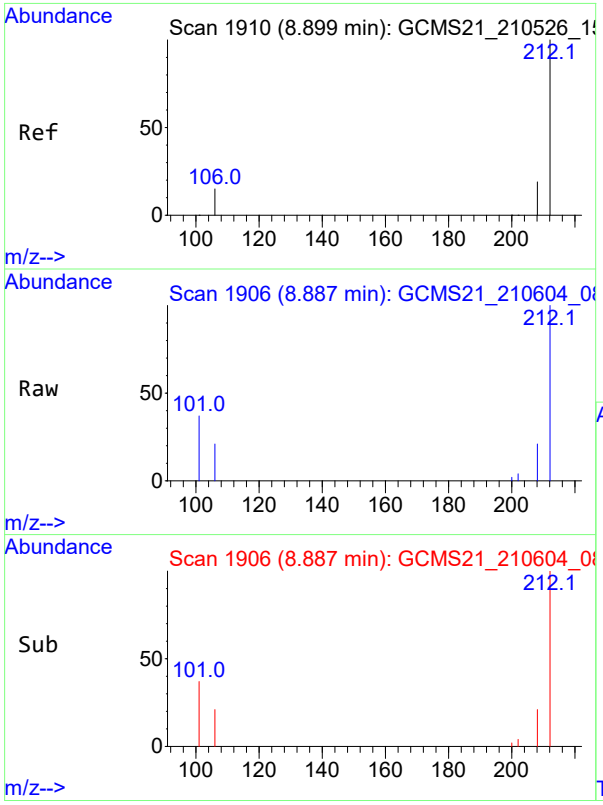


#13
Anthracene
Concen: 130.50 ng/mL
RT: 7.709 min Scan# 1457
Delta R.T. 0.005 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:178 Resp: 158720

Ion	Ratio	Lower	Upper
178	100		
176	18.6	0.0	50.0
152	11.0	0.0	38.2

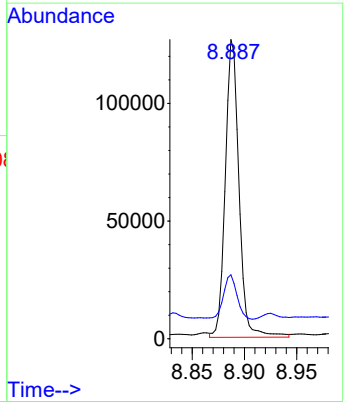


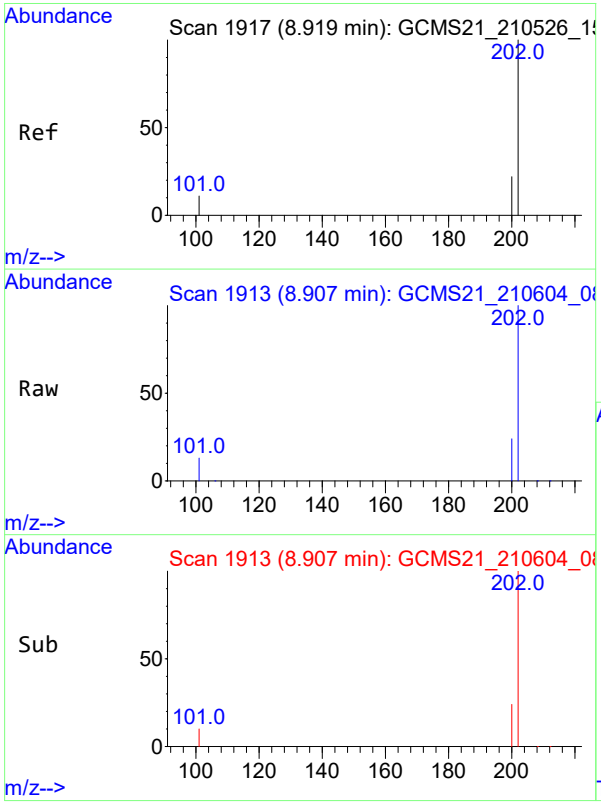


#14
Fluoranthene-D10
Concen: 87.81 ng/mL
RT: 8.887 min Scan# 1906
Delta R.T. 0.006 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:212 Resp: 115231

Ion	Ratio	Lower	Upper
212	100		
106	14.6	0.0	43.1

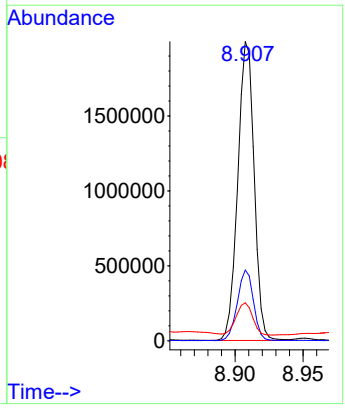


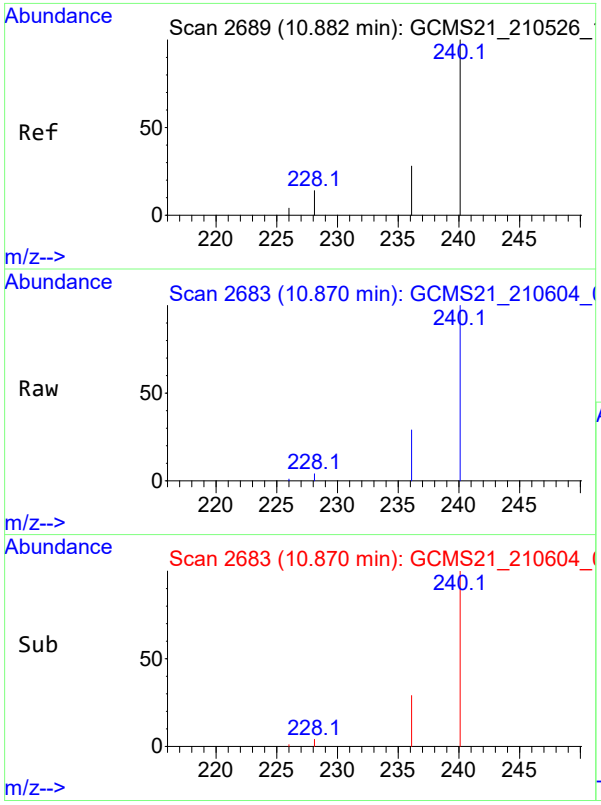


#15
Fluoranthene
Concen: 1080.96 ng/mL
RT: 8.907 min Scan# 1913
Delta R.T. 0.009 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:202 Resp: 1668702

Ion	Ratio	Lower	Upper
202	100		
200	23.2	0.0	53.3
101	10.8	0.0	41.8

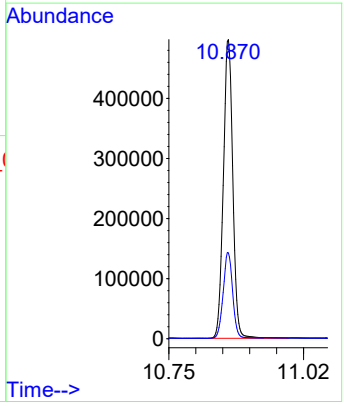


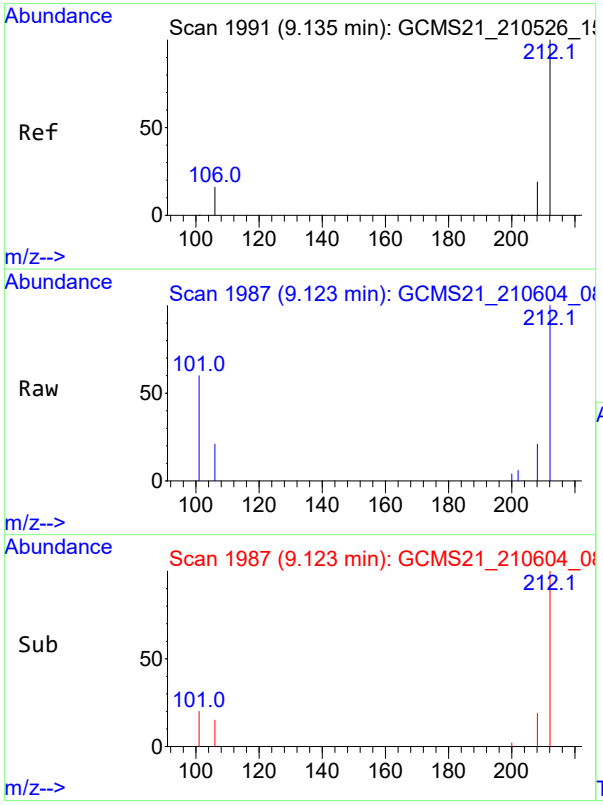


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.870 min Scan# 2683
Delta R.T. 0.008 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:240 Resp: 638470

Ion	Ratio	Lower	Upper
240	100		
236	28.7	0.0	58.5

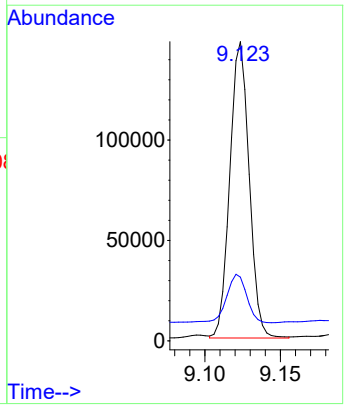


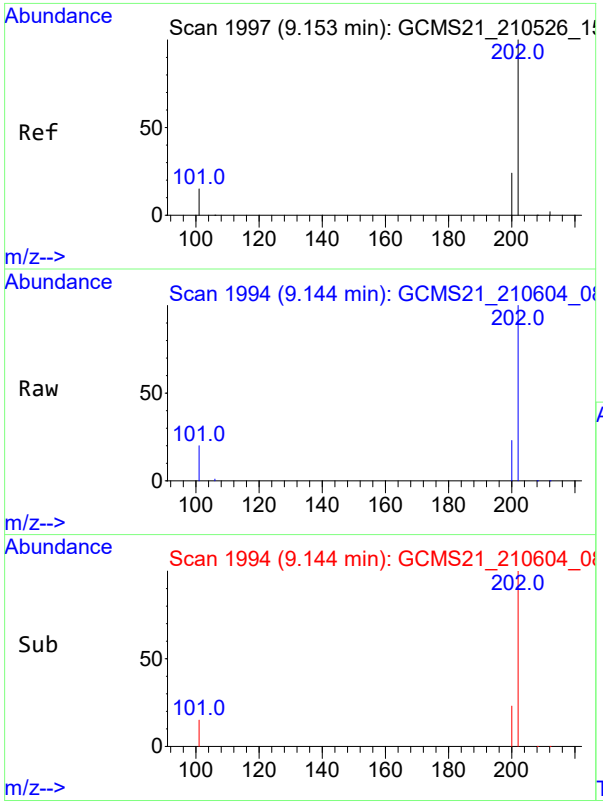


#17
Pyrene-D10
Concen: 90.09 ng/mL
RT: 9.123 min Scan# 1987
Delta R.T. 0.003 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:212 Resp: 131239

Ion	Ratio	Lower	Upper
212	100		
106	17.2	0.0	46.3

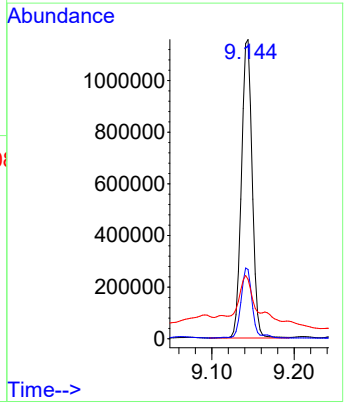


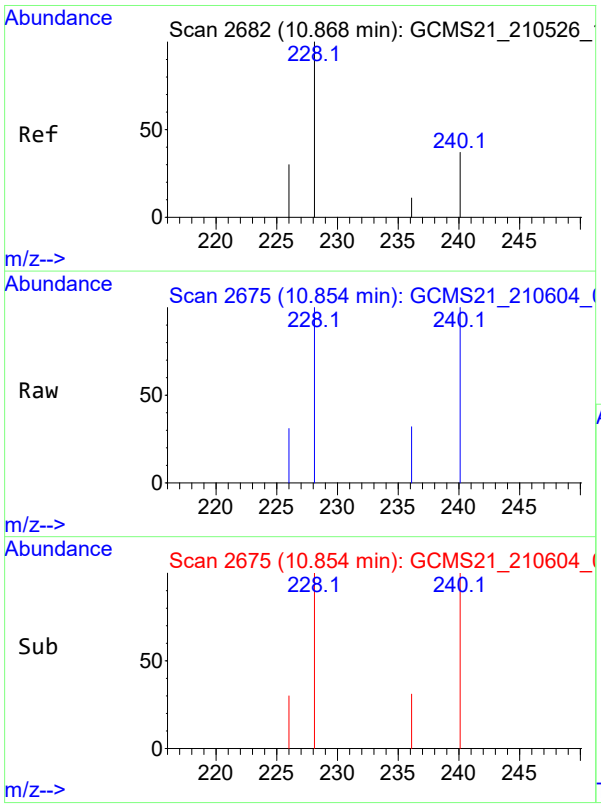


#18
Pyrene
Concen: 614.73 ng/mL
RT: 9.144 min Scan# 1994
Delta R.T. 0.003 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:202 Resp: 1046049

Ion	Ratio	Lower	Upper
202	100		
200	23.7	0.0	53.3
101	14.5	0.0	43.2

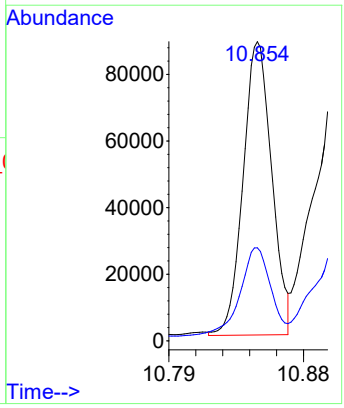


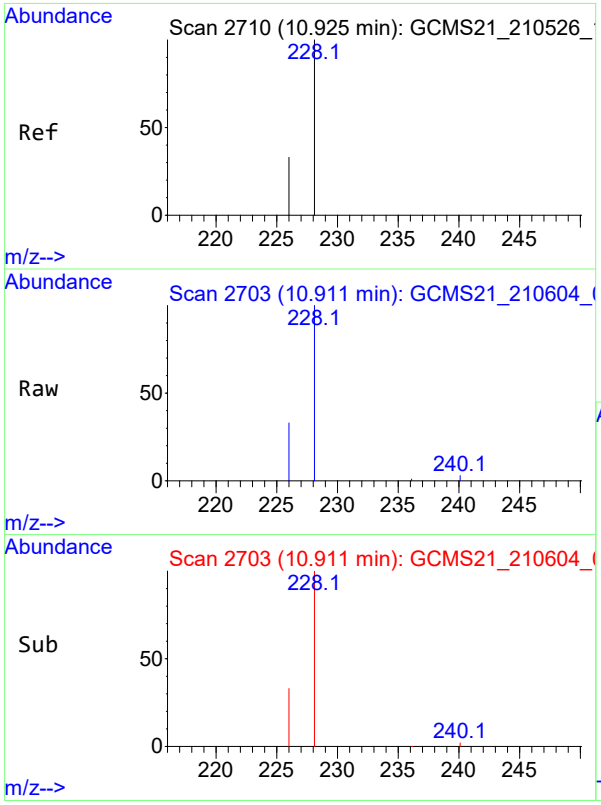


#19
Benzo(a)anthracene
Concen: 91.23 ng/mL
RT: 10.854 min Scan# 2675
Delta R.T. 0.006 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:228 Resp: 117157

Ion	Ratio	Lower	Upper
228	100		
226	32.9	0.0	59.2

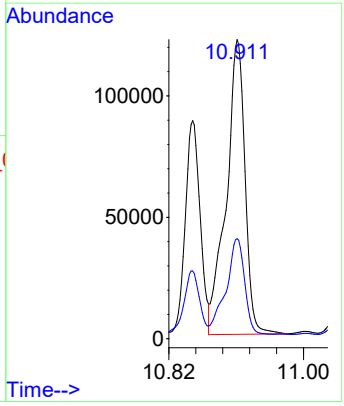


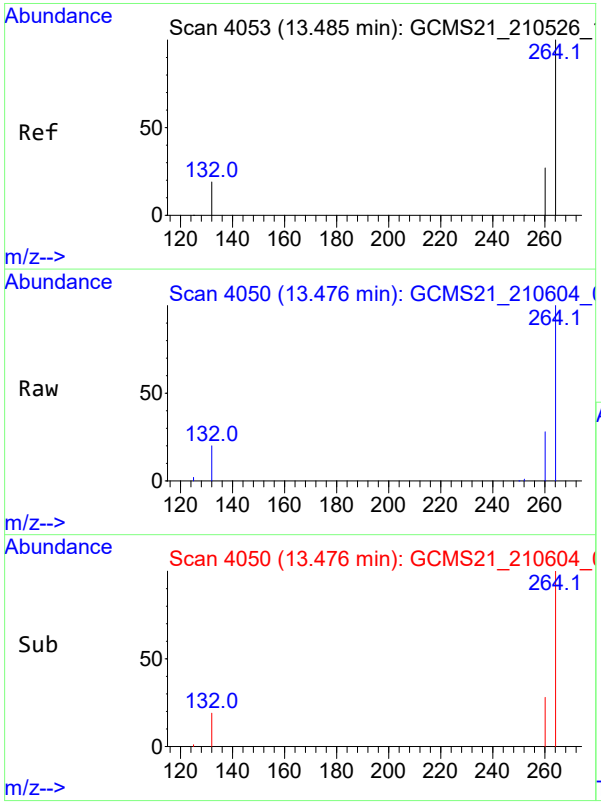


#20
Chrysene
Concen: 128.47 ng/mL
RT: 10.911 min Scan# 2703
Delta R.T. 0.006 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:228 Resp: 203685

Ion	Ratio	Lower	Upper
228	100		
226	33.1	1.9	61.9

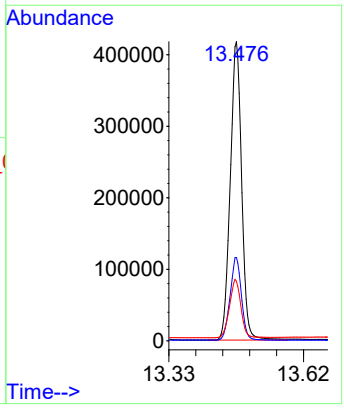


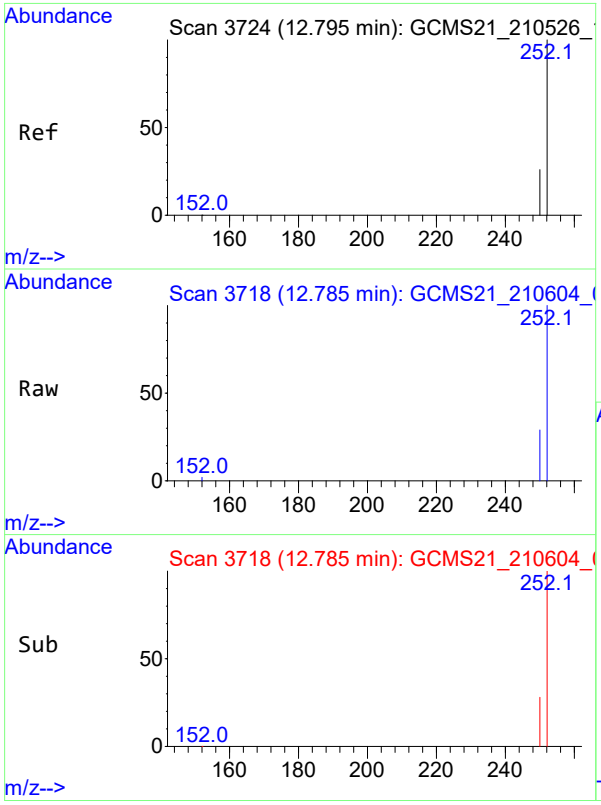


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.476 min Scan# 4050
Delta R.T. 0.014 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:264 Resp: 692403

Ion	Ratio	Lower	Upper
264	100		
260	27.7	0.0	57.7
132	19.5	0.0	49.0

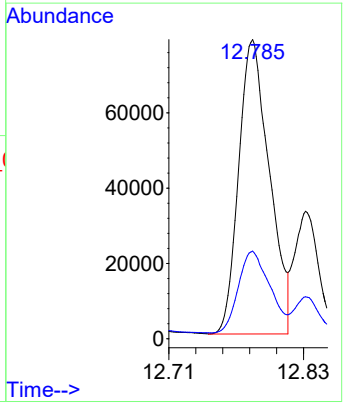


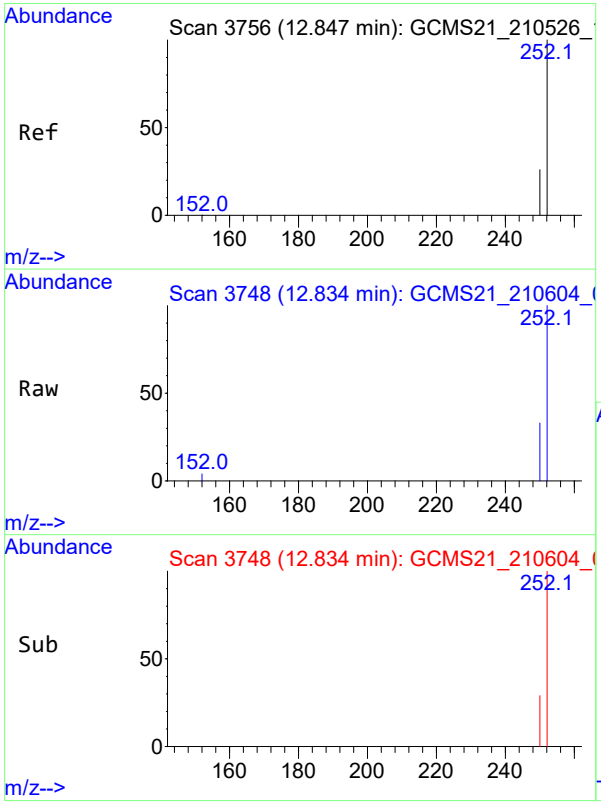


#22
Benzo(b)fluoranthene
Concen: 106.99 ng/mL
RT: 12.785 min Scan# 3718
Delta R.T. 0.013 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:252 Resp: 153775

Ion	Ratio	Lower	Upper
252	100		
250	28.6	0.0	56.1

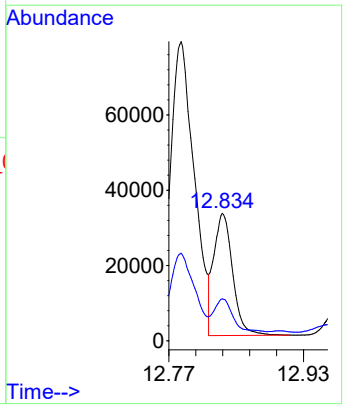


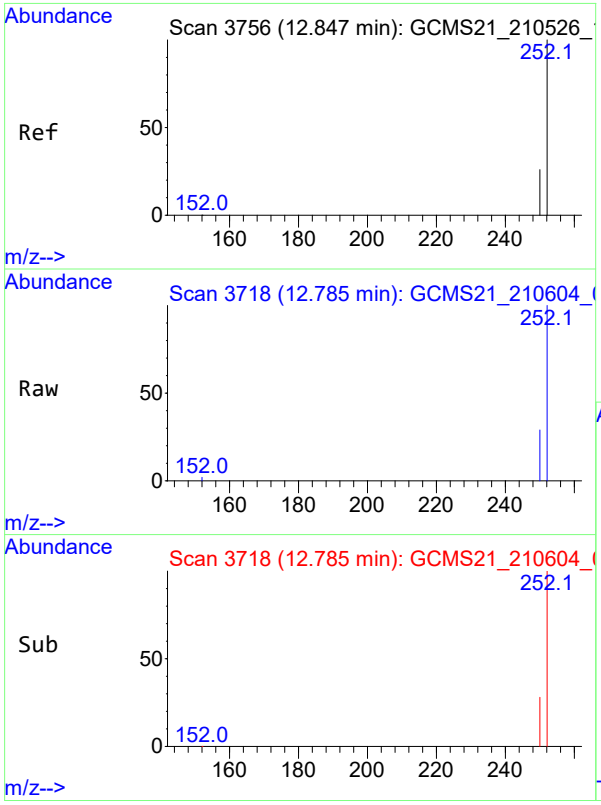


#23
Benzo(k)fluoranthene
Concen: 31.96 ng/mL
RT: 12.834 min Scan# 3748
Delta R.T. 0.011 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:252 Resp: 50906

Ion	Ratio	Lower	Upper
252	100		
250	31.4	0.0	55.4

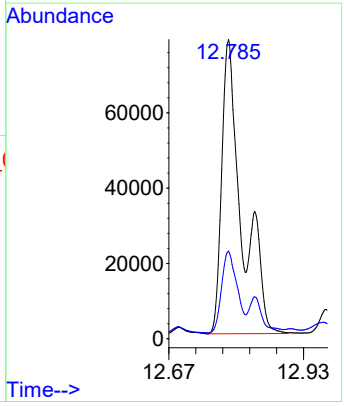


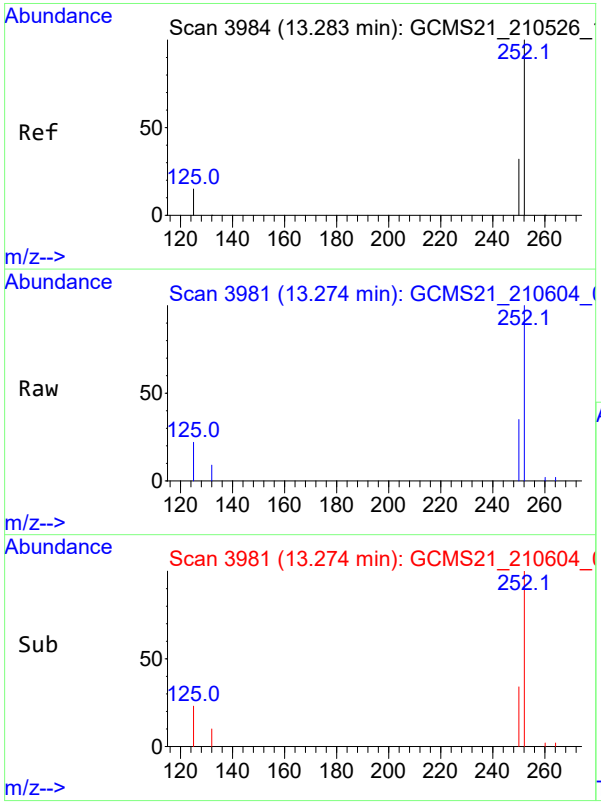


#24
benzo(b+k)fluoranthene (sum)
Concen: 131.06 ng/mL m
RT: 12.785 min Scan# 3718
Delta R.T. -0.038 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:252 Resp: 204682

Ion	Ratio	Lower	Upper
252	100		
250	8.5	0.0	55.4

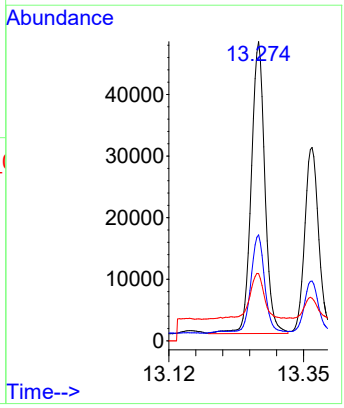


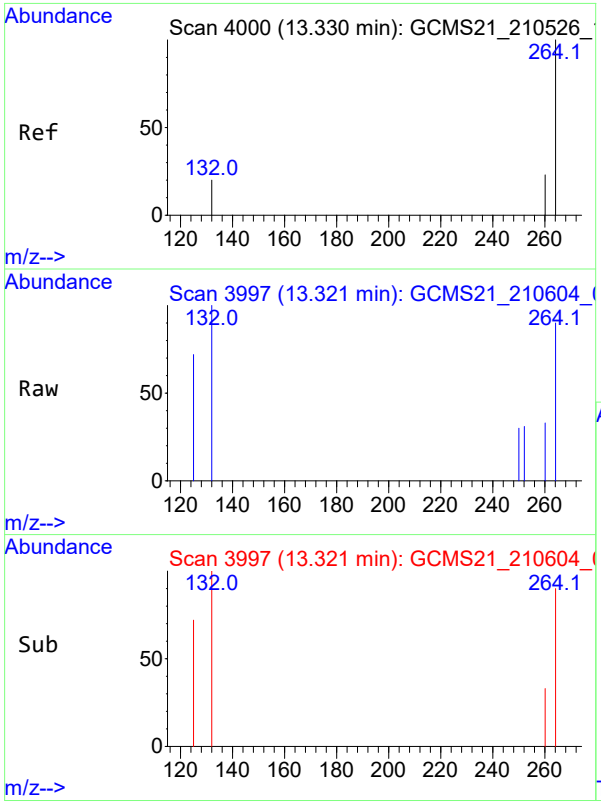


#25
Benzo(e)pyrene
Concen: 52.56 ng/mL
RT: 13.274 min Scan# 3981
Delta R.T. 0.015 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:252 Resp: 76193

Ion	Ratio	Lower	Upper
252	100		
250	33.4	2.1	62.1
125	28.1	0.0	45.8

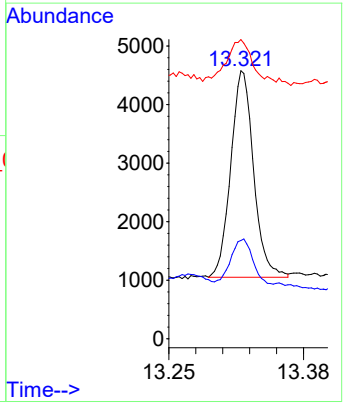


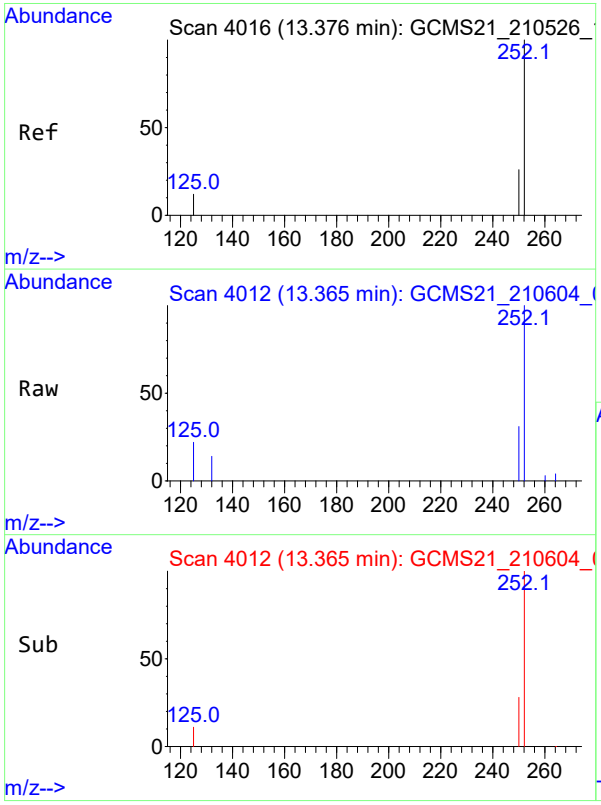


#26
Benzo(a)pyrene-D12
Concen: 4.95 ng/mL
RT: 13.321 min Scan# 3997
Delta R.T. 0.009 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:264 Resp: 5566

Ion	Ratio	Lower	Upper
264	100		
260	20.7	0.0	52.9
132	22.5	0.0	48.4

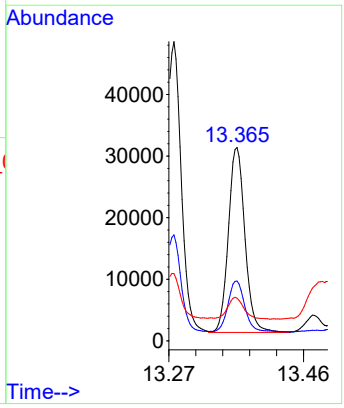


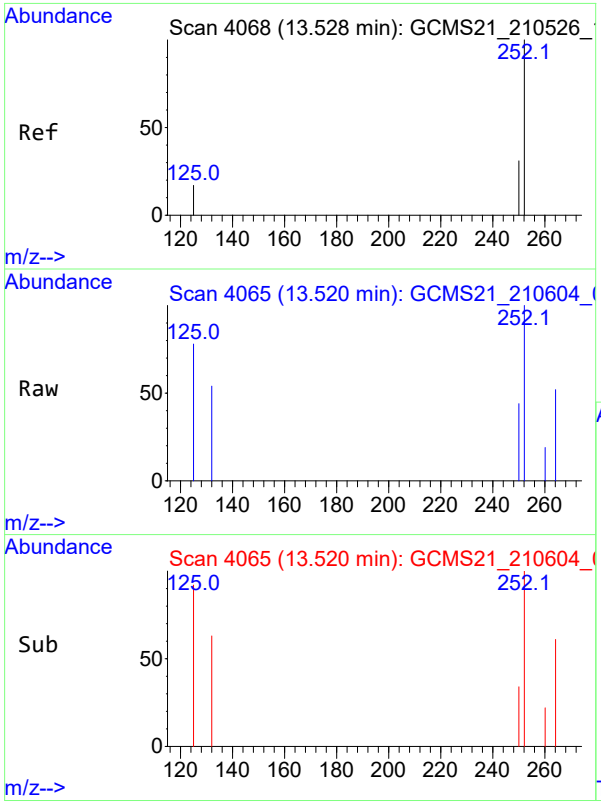


#27
Benzo(a)pyrene
Concen: 37.78 ng/mL
RT: 13.365 min Scan# 4012
Delta R.T. 0.015 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:252 Resp: 49554

Ion	Ratio	Lower	Upper
252	100		
250	27.6	0.0	56.7
125	11.6	0.0	42.1

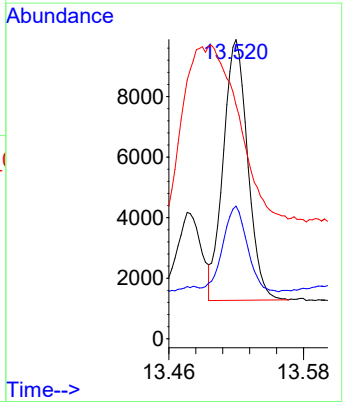


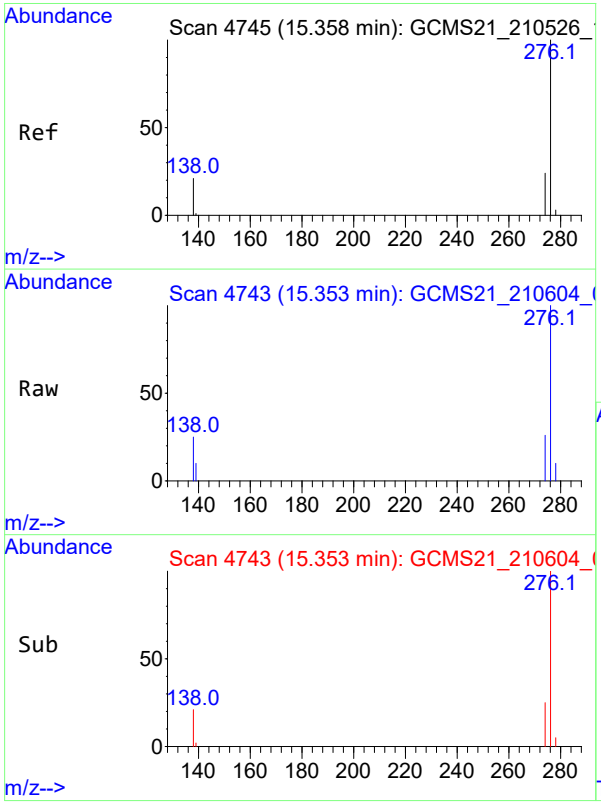


#28
Perylene
Concen: 9.49 ng/mL
RT: 13.520 min Scan# 4065
Delta R.T. 0.014 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:252 Resp: 13977

Ion	Ratio	Lower	Upper
252	100		
250	33.1	1.2	61.2
125	96.2	0.0	46.5#

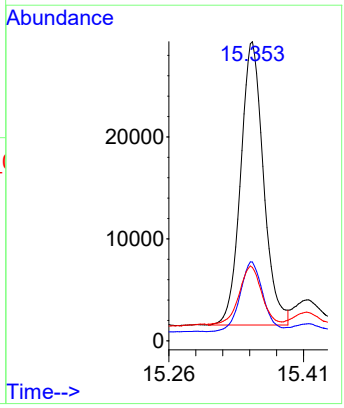


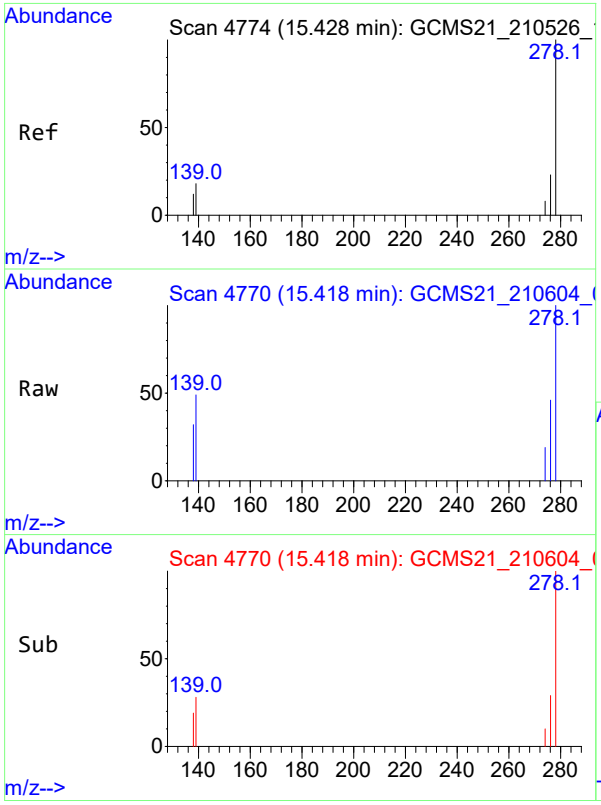


#29
Indeno(1,2,3-cd)pyrene
Concen: 45.38 ng/mL
RT: 15.353 min Scan# 4743
Delta R.T. 0.021 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:276 Resp: 50933

Ion	Ratio	Lower	Upper
276	100		
274	24.7	0.0	53.5
138	20.4	0.0	50.6

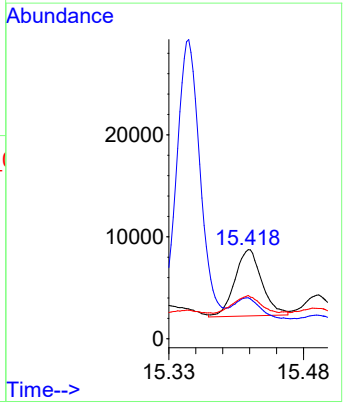


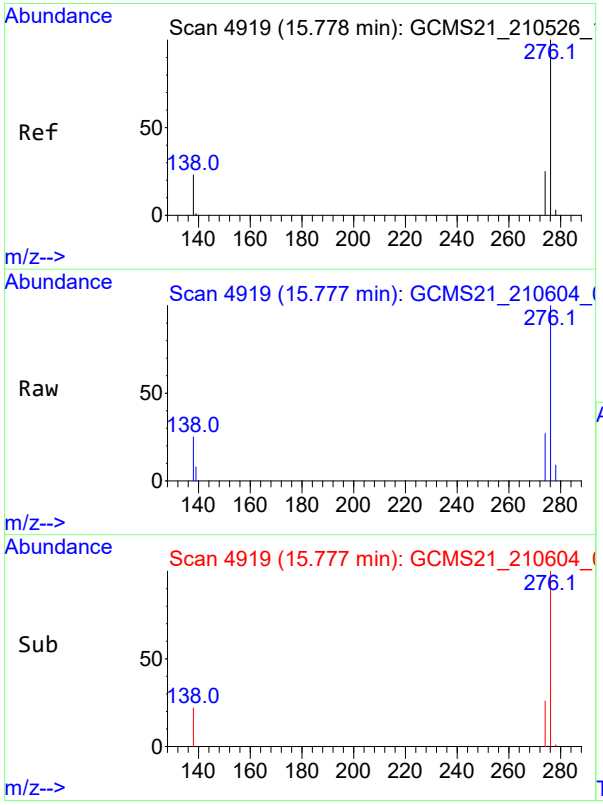


#30
Dibenz(a,h)anthracene
Concen: 11.93 ng/mL
RT: 15.418 min Scan# 4770
Delta R.T. 0.014 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:278 Resp: 13341

Ion	Ratio	Lower	Upper
278	100		
276	39.1	0.0	58.7
139	26.3	0.0	47.2

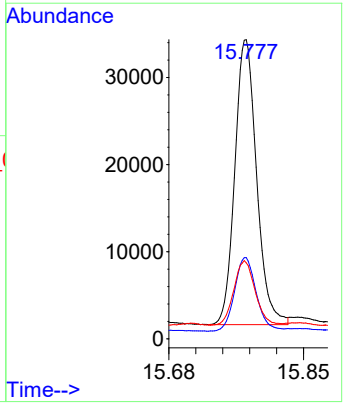




#31
Benzo(g,h,i)perylene
Concen: 41.27 ng/mL
RT: 15.777 min Scan# 4919
Delta R.T. 0.021 min
Lab File: GCMS21_210604_08.D
Acq: 04 Jun 2021 11:34

Tgt Ion:276 Resp: 60187

Ion	Ratio	Lower	Upper
276	100		
274	25.8	0.0	54.2
138	22.2	0.0	52.4



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_05.D
Acq On : 08 Jun 2021 10:23
Operator : MN GCMS21
Sample : 2105001-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 10:47:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.271	136	409489	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.069	164	255295	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.620	188	533401	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.854	240	569503	500.00	ng/mL	0.02
21) PERYLENE-D12	13.455	264	536885	500.00	ng/mL	0.03
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.613	176	192841	315.51	ng/mL	0.00
14) Fluoranthene-D10	8.878	212	343759	297.63	ng/mL	0.01
17) Pyrene-D10	9.112	212	358408	275.83	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.303	264	34056	39.04	ng/mL	0.03
Target Compounds						Qvalue
2) Naphthalene	4.292	128	145995	185.82	ng/mL	98
4) 2-Methylnaphthalene	5.001	142	159603	275.82	ng/mL	98
5) 1-Methylnaphthalene	5.097	142	78922	163.75	ng/mL	96
7) Acenaphthylene	5.919	152	19081	22.52	ng/mL	81
8) Acenaphthene	6.103	153	200966	309.85	ng/mL	99
10) Fluorene	6.643	166	635481	885.17	ng/mL	98
12) Phenanthrene	7.647	178	3623625	2814.81	ng/mL	98
13) Anthracene	7.697	178	270418	252.62	ng/mL	86
15) Fluoranthene	8.899	202	1842511	1356.12	ng/mL	98
18) Pyrene	9.129	202	1056943	696.35	ng/mL	80
19) Benzo(a)anthracene	10.837	228	214846	187.56	ng/mL	94
20) Chrysene	10.897	228	359577	254.26	ng/mL	100
22) Benzo(b)fluoranthene	12.769	252	326159	292.66	ng/mL	97
23) Benzo(k)fluoranthene	12.818	252	108253	87.65	ng/mL	94
24) benzo(b+k)fluoranthene...	12.769	252	432393m	357.08	ng/mL	
25) Benzo(e)pyrene	13.257	252	228957	203.69	ng/mL	81
27) Benzo(a)pyrene	13.347	252	173110	170.20	ng/mL	98
28) Perylene	13.499	252	43080	37.72	ng/mL#	12
29) Indeno(1,2,3-cd)pyrene	15.336	276	156022m	179.27	ng/mL	
30) Dibenz(a,h)anthracene	15.401	278	53340	61.49	ng/mL	84
31) Benzo(g,h,i)perylene	15.761	276	207362	183.37	ng/mL	99

Highlight analytes are above ICAL MN 07.02.2021

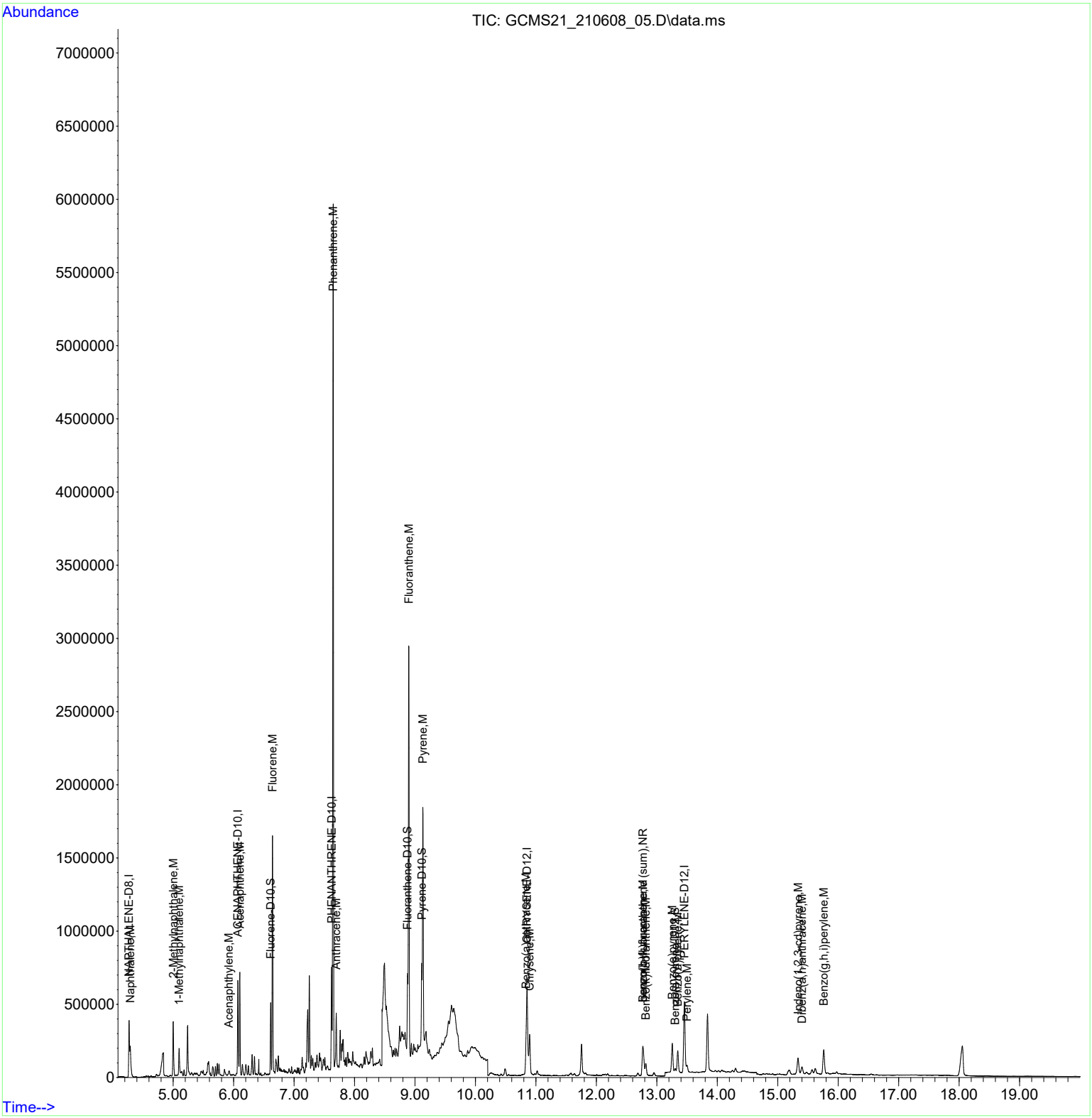
P, D. Manual integration performed by MN, 7/1/21, documented by KL, 7/29/21 in 2nd review/report out.

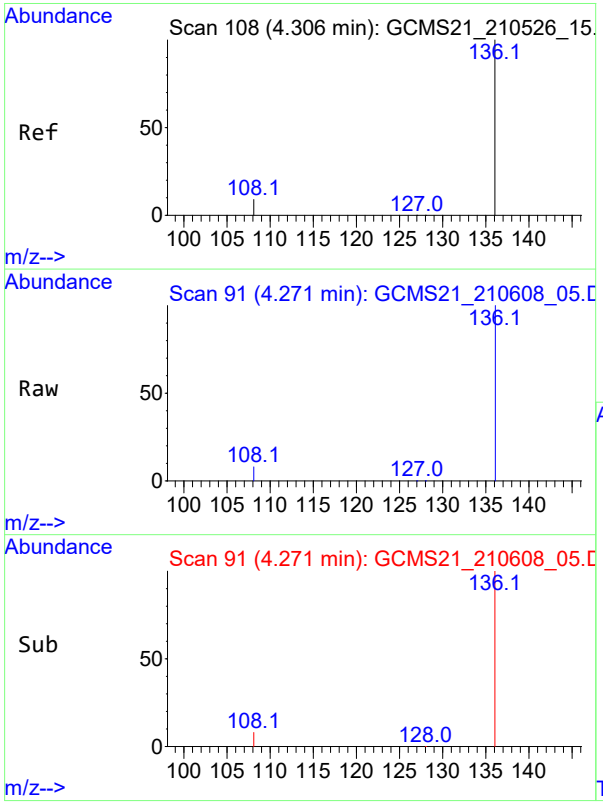
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_05.D
Acq On : 08 Jun 2021 10:23
Operator : MN GCMS21
Sample : 2105001-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 10:47:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

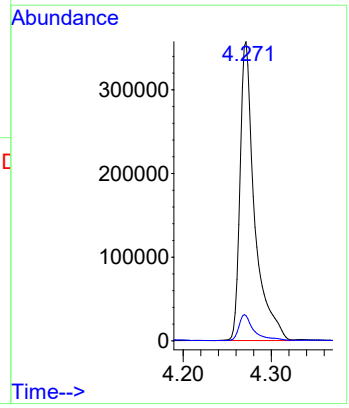


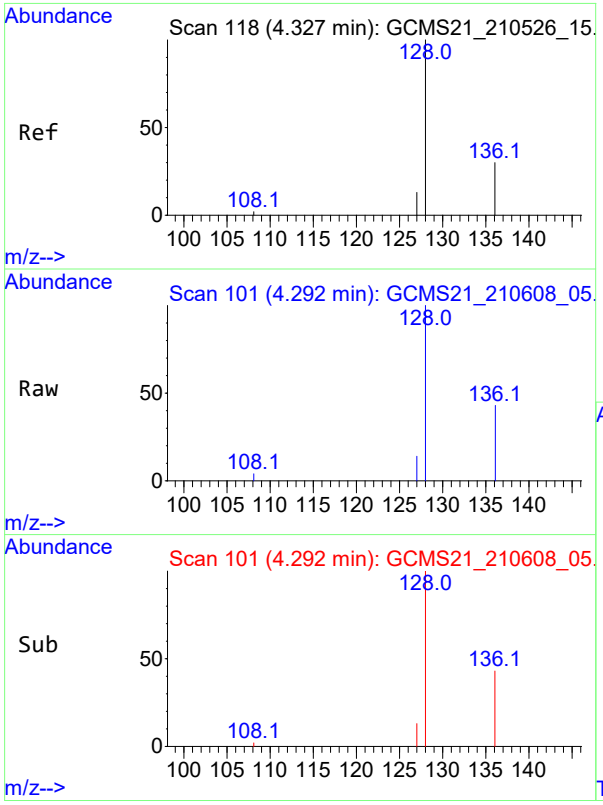


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.271 min Scan# 91
Delta R.T. -0.004 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:136 Resp: 409489

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	28.3

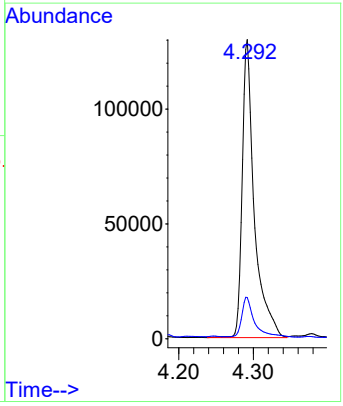


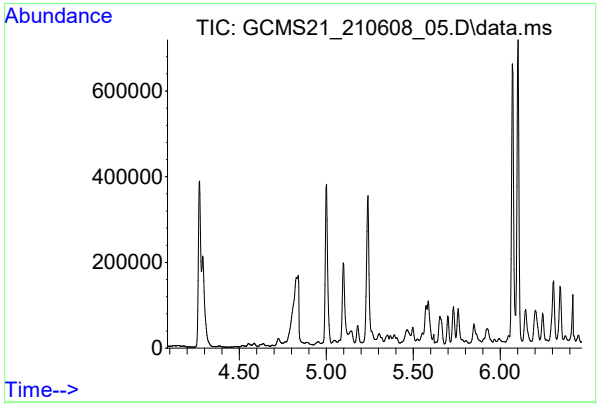


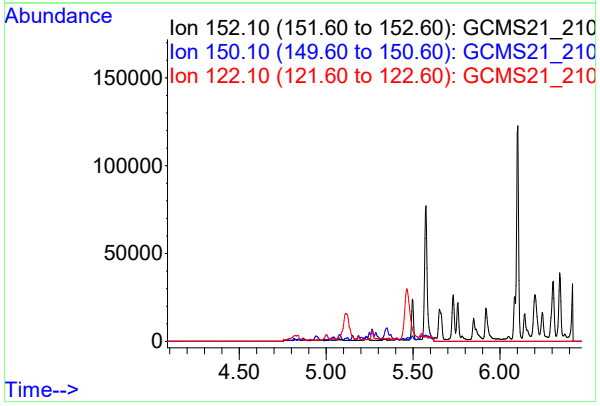
#2
Naphthalene
Concen: 185.82 ng/mL
RT: 4.292 min Scan# 101
Delta R.T. -0.004 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:128 Resp: 145995

Ion	Ratio	Lower	Upper
128	100		
127	14.0	0.0	43.3





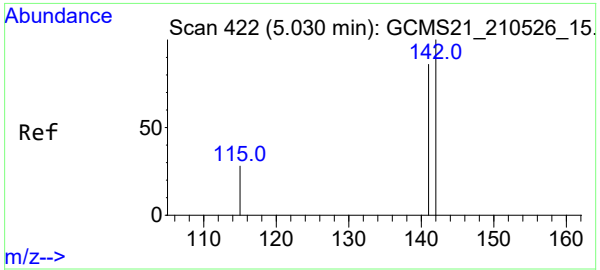


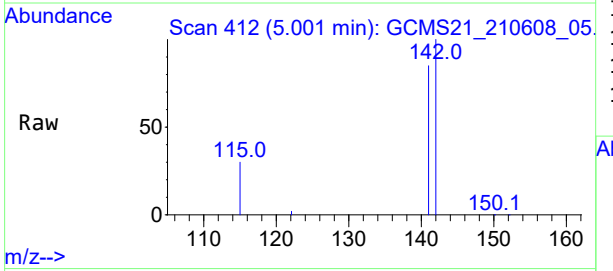
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.97 min

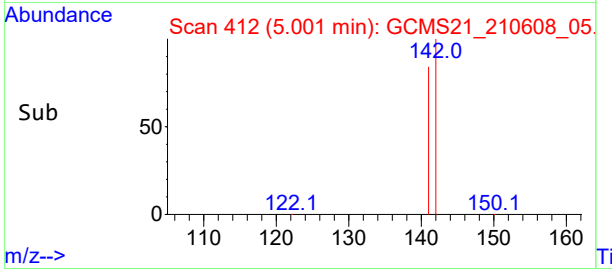
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5



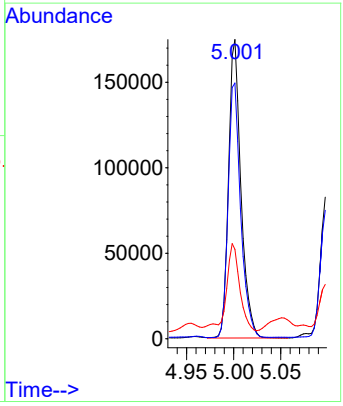


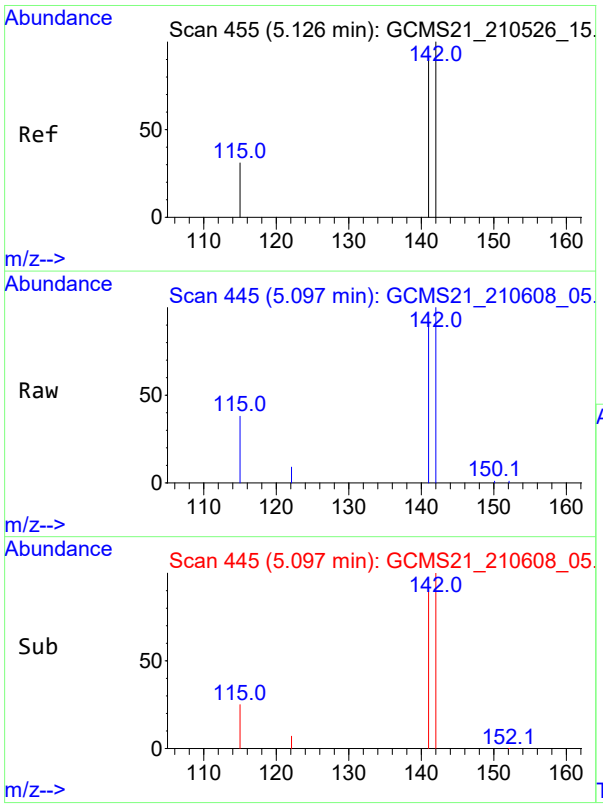


#4
2-Methylnaphthalene
Concen: 275.82 ng/mL
RT: 5.001 min Scan# 412
Delta R.T. -0.000 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:142 Resp: 159603

Ion	Ratio	Lower	Upper
142	100		
141	86.3	56.3	116.3
115	31.3	0.0	57.4

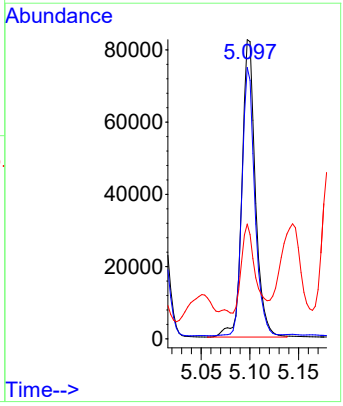


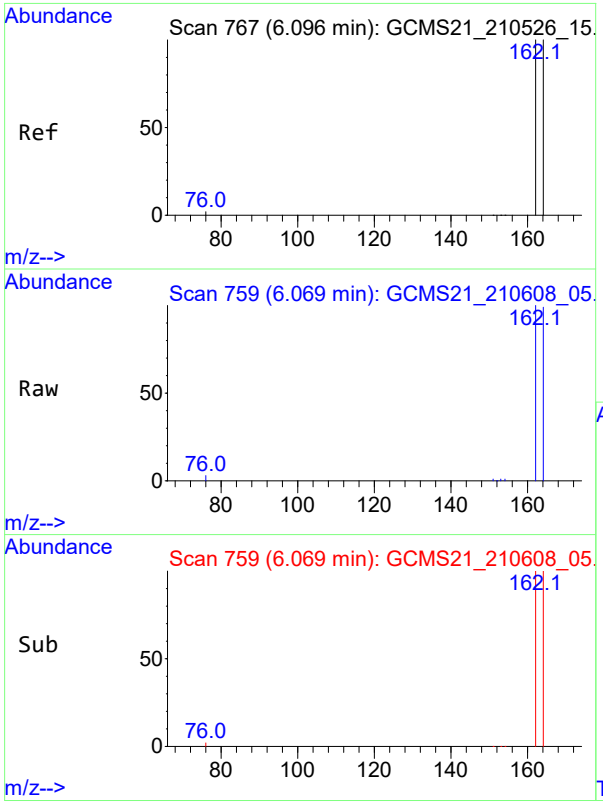


#5
1-Methylnaphthalene
Concen: 163.75 ng/mL
RT: 5.097 min Scan# 445
Delta R.T. -0.000 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:142 Resp: 78922

Ion	Ratio	Lower	Upper
142	100		
141	86.3	61.5	121.5
115	29.7	0.2	60.2

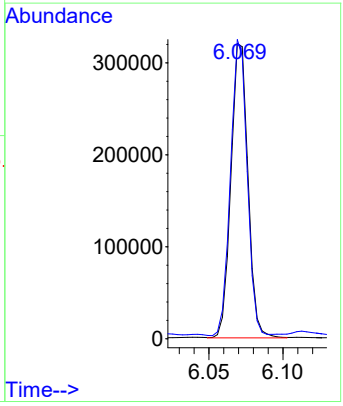


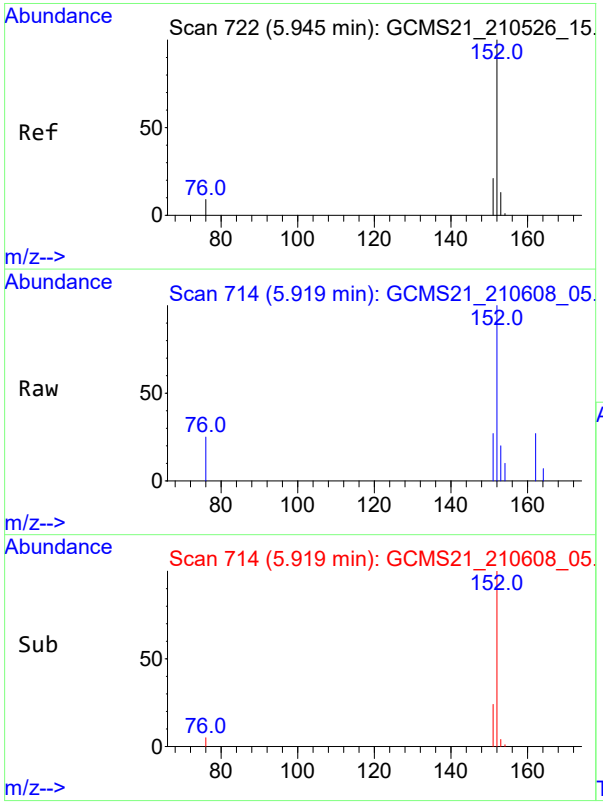


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.069 min Scan# 759
Delta R.T. -0.000 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:164 Resp: 255295

Ion	Ratio	Lower	Upper
164	100		
162	98.2	77.7	117.7

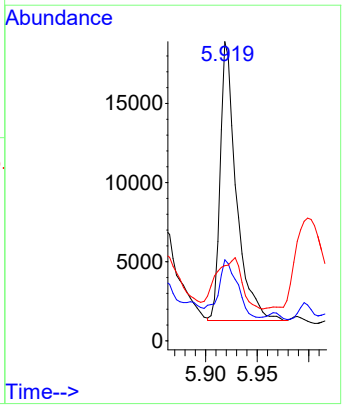


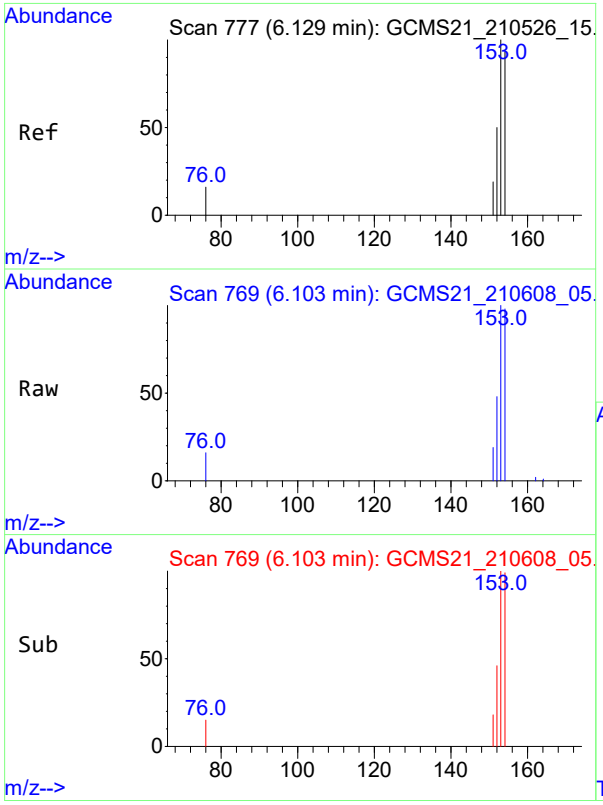


#7
Acenaphthylene
Concen: 22.52 ng/mL
RT: 5.919 min Scan# 714
Delta R.T. 0.003 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:152 Resp: 19081

Ion	Ratio	Lower	Upper
152	100		
151	24.2	0.0	52.0
76	29.3	0.0	39.5

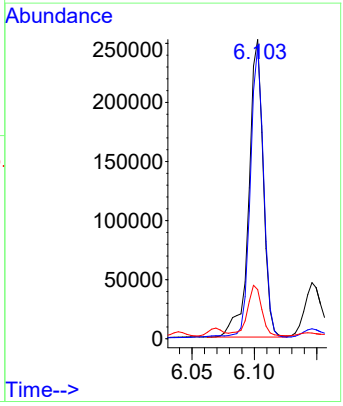


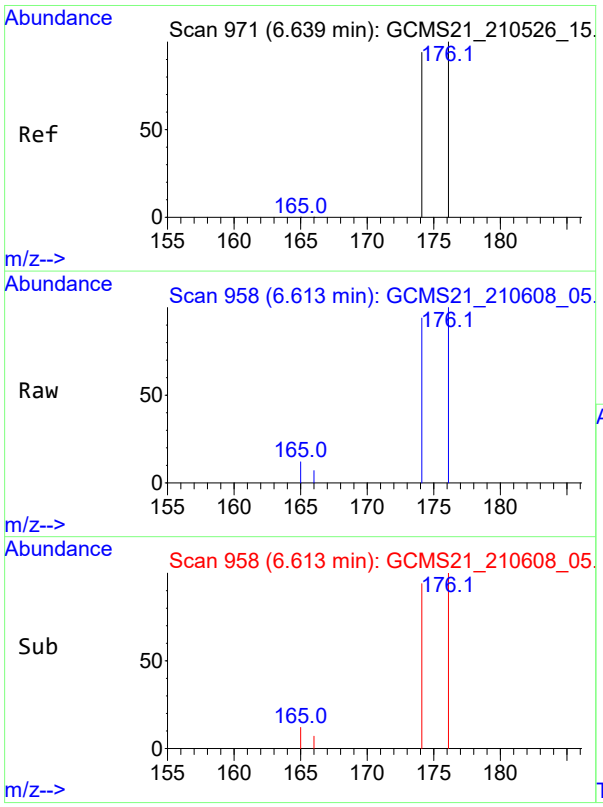


#8
Acenaphthene
Concen: 309.85 ng/mL
RT: 6.103 min Scan# 769
Delta R.T. 0.003 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:153 Resp: 200966

Ion	Ratio	Lower	Upper
153	100		
154	91.6	60.4	120.4
76	16.9	0.0	47.4

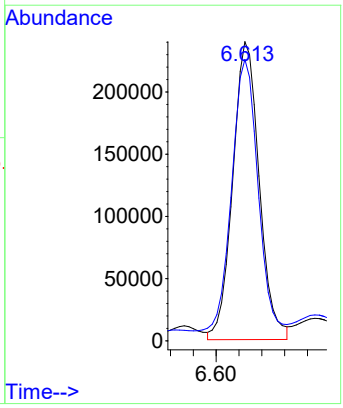


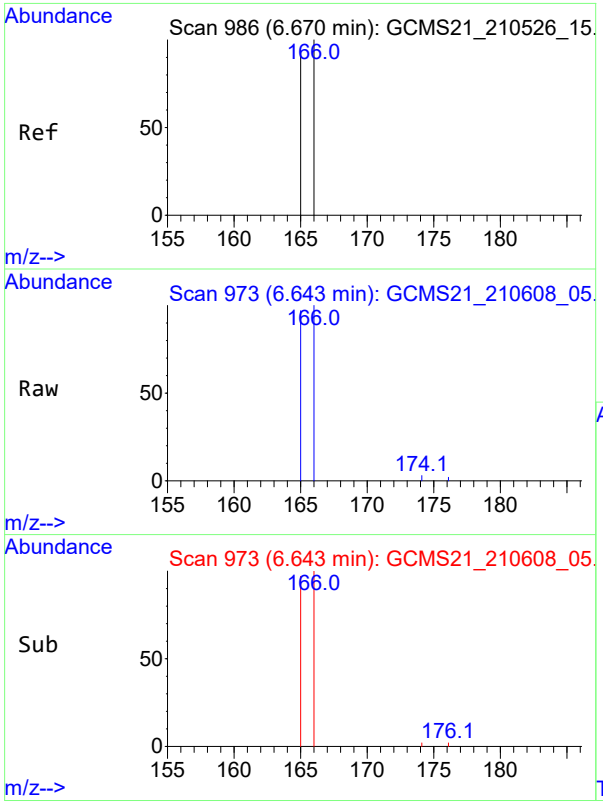


#9
Fluorene-D10
Concen: 315.51 ng/mL
RT: 6.613 min Scan# 958
Delta R.T. 0.002 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:176 Resp: 192841

Ion	Ratio	Lower	Upper
176	100		
174	90.8	63.9	123.9

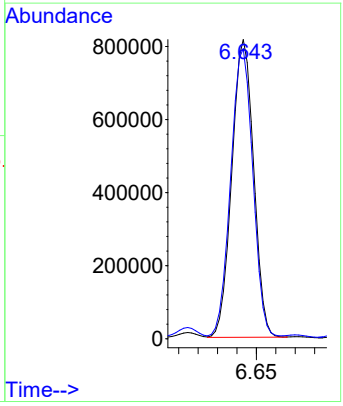


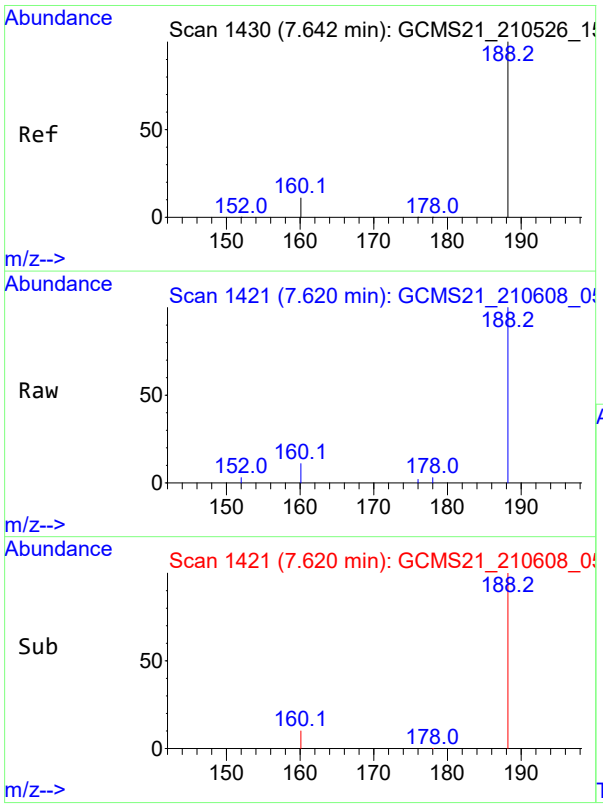


#10
Fluorene
Concen: 885.17 ng/mL
RT: 6.643 min Scan# 973
Delta R.T. 0.002 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:166 Resp: 635481

Ion	Ratio	Lower	Upper
166	100		
165	97.3	65.1	125.1

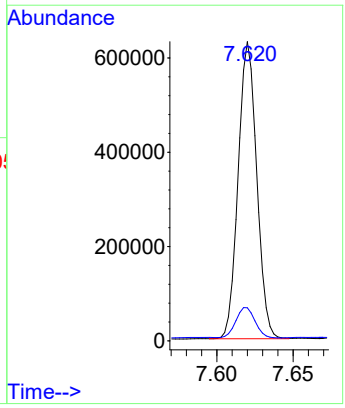


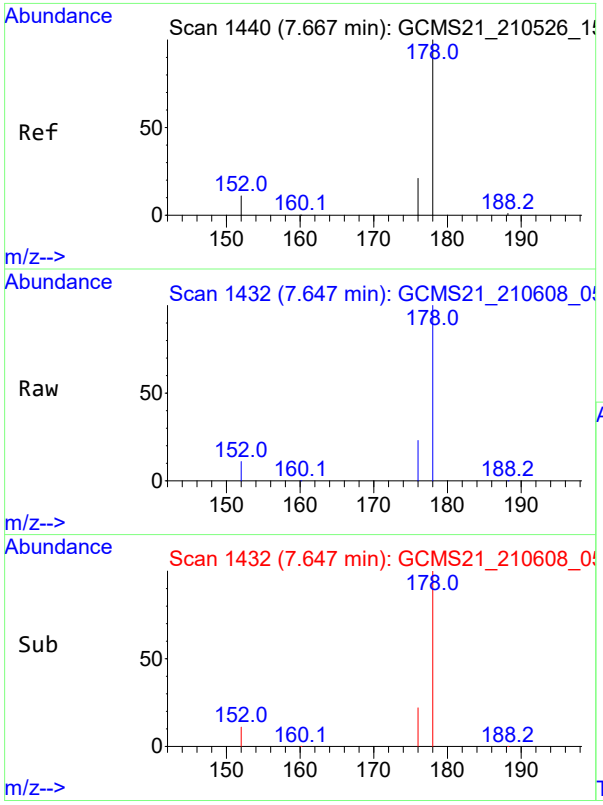


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.620 min Scan# 1421
Delta R.T. 0.005 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:188 Resp: 533401

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	39.8

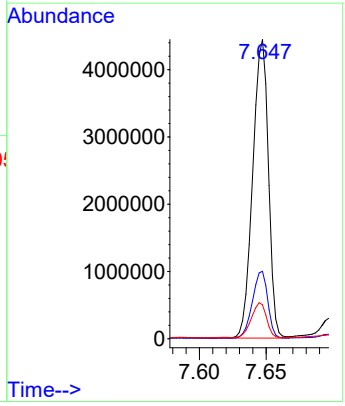


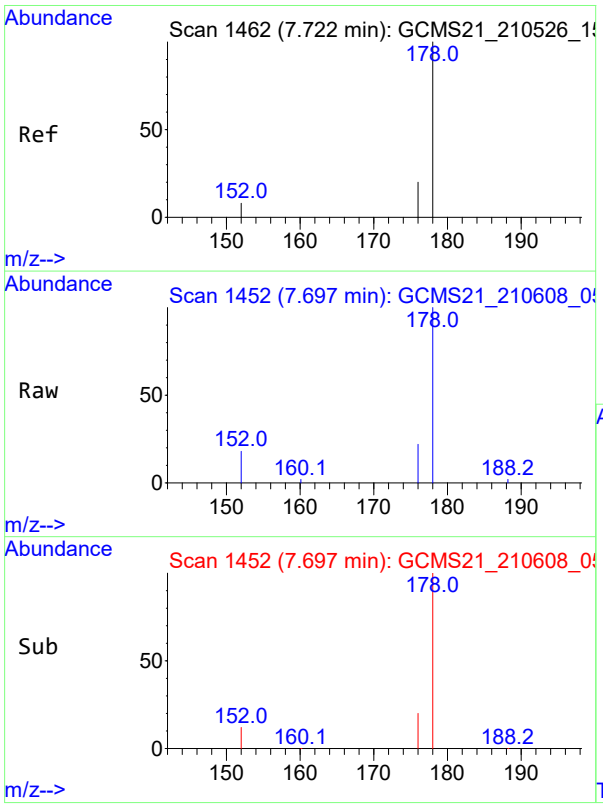


#12
Phenanthrene
Concen: 2814.81 ng/mL
RT: 7.647 min Scan# 1432
Delta R.T. 0.010 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:178 Resp: 3623625

Ion	Ratio	Lower	Upper
178	100		
176	21.8	0.0	51.1
152	11.2	0.0	40.6

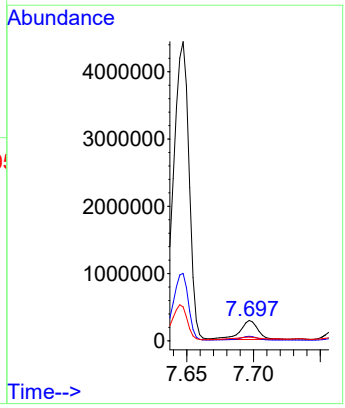


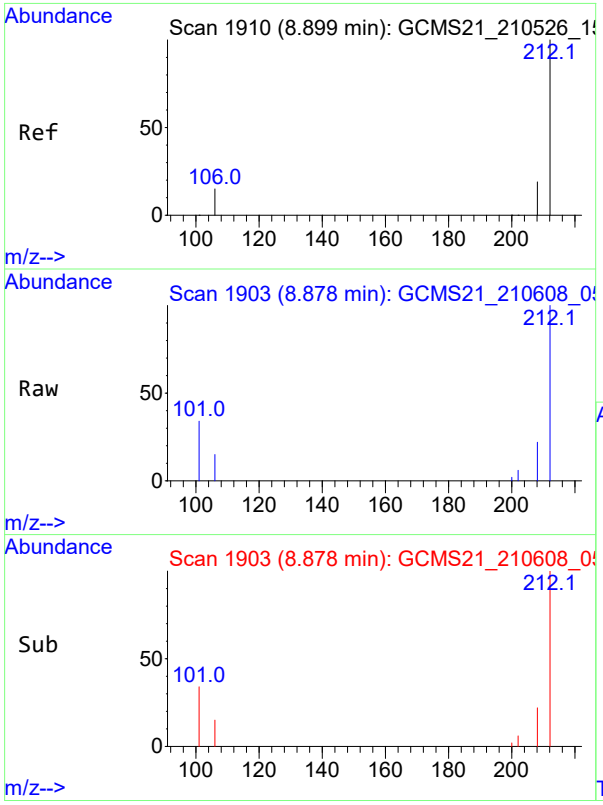


#13
Anthracene
Concen: 252.62 ng/mL
RT: 7.697 min Scan# 1452
Delta R.T. 0.005 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:178 Resp: 270418

Ion	Ratio	Lower	Upper
178	100		
176	18.1	0.0	50.4
152	21.1	0.0	38.3

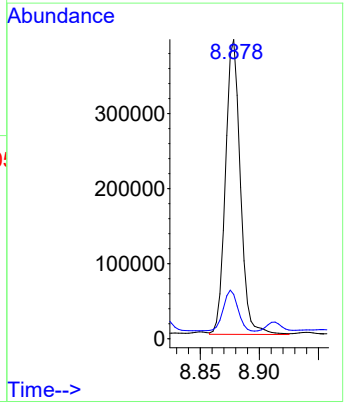


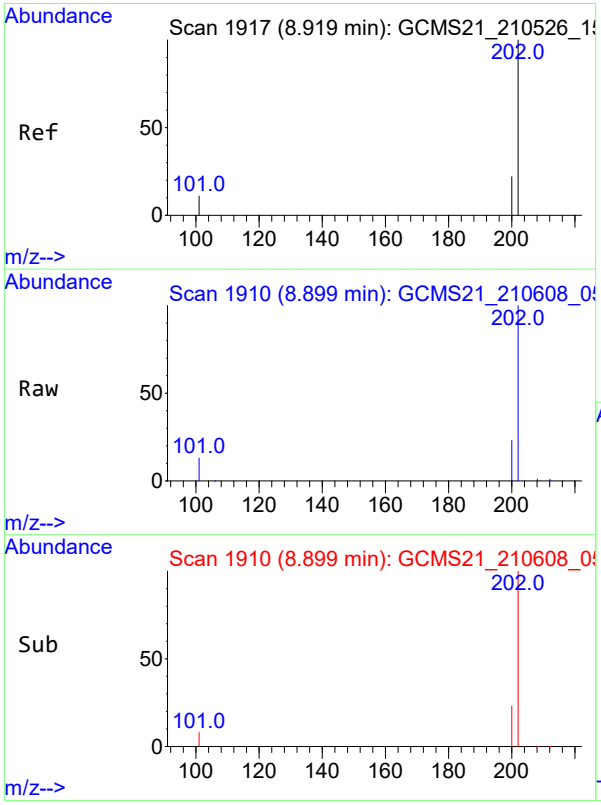


#14
Fluoranthene-D10
Concen: 297.63 ng/mL
RT: 8.878 min Scan# 1903
Delta R.T. 0.012 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:212 Resp: 343759

Ion	Ratio	Lower	Upper
212	100		
106	13.6	0.0	45.3

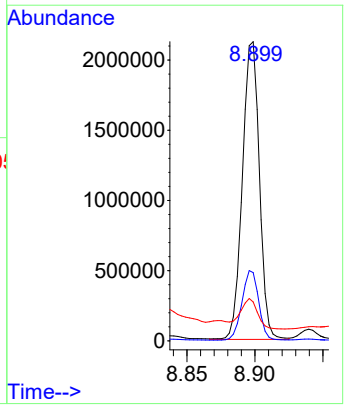


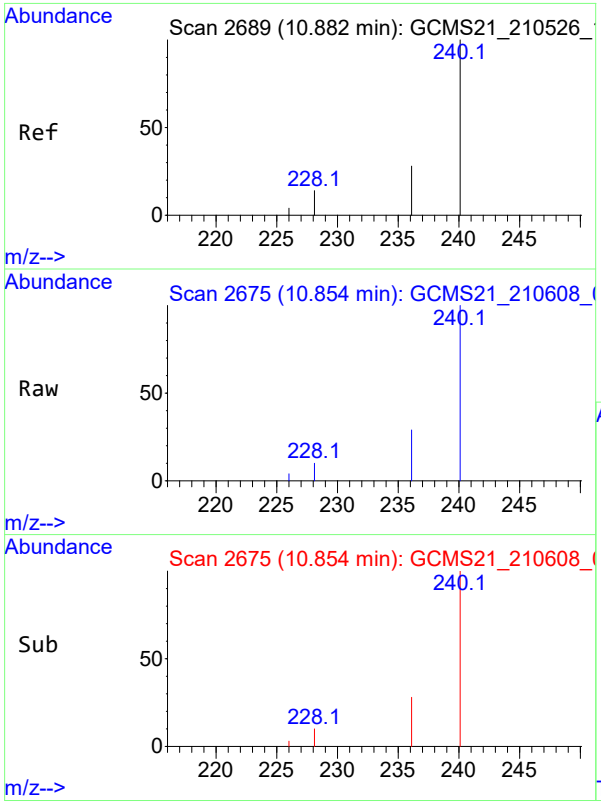


#15
Fluoranthene
Concen: 1356.12 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.012 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:202 Resp: 1842511

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.2
101	10.3	0.0	41.8

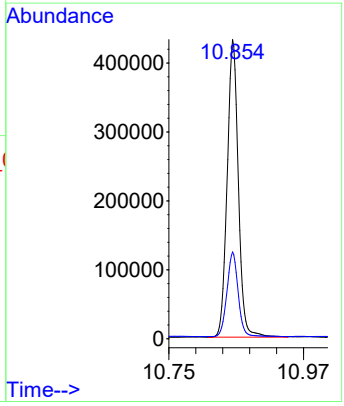


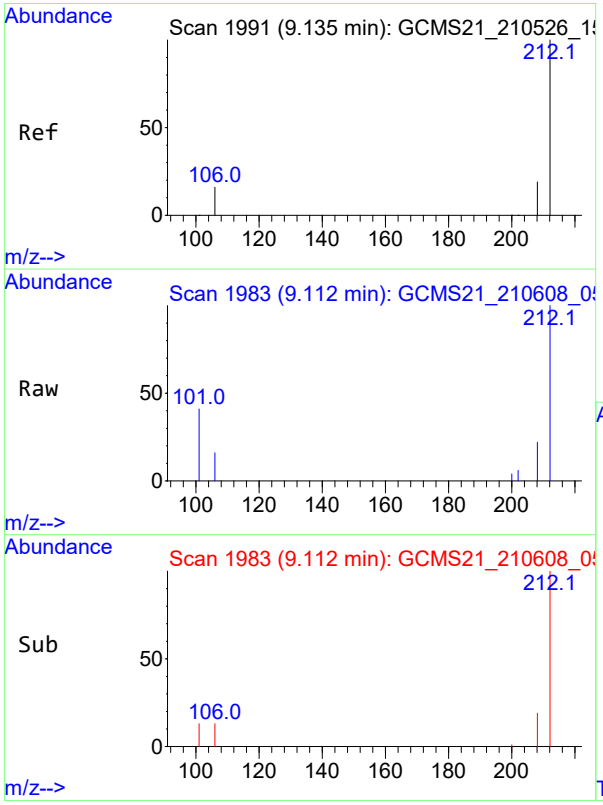


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.854 min Scan# 2675
Delta R.T. 0.016 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:240 Resp: 569503

Ion	Ratio	Lower	Upper
240	100		
236	28.3	0.0	58.6

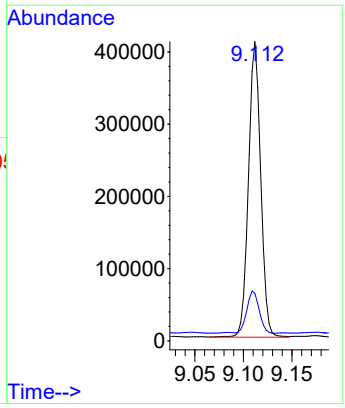


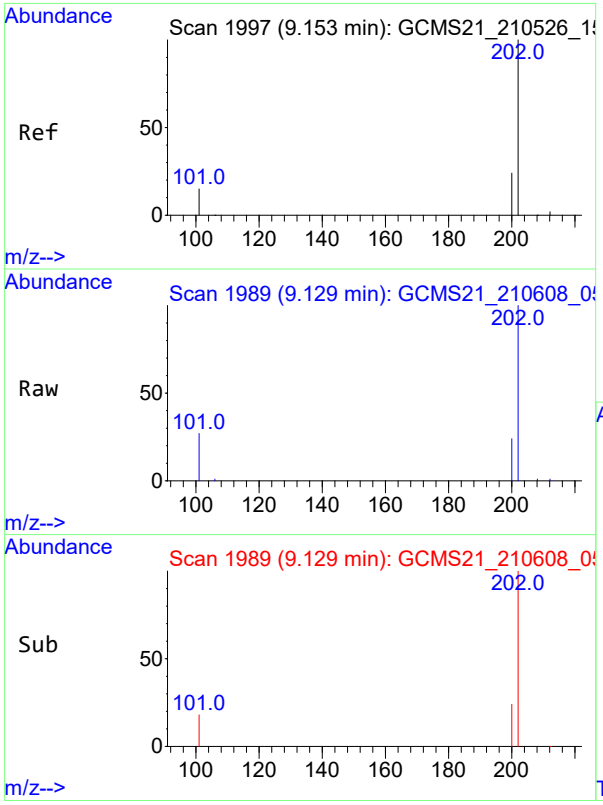


#17
Pyrene-D10
Concen: 275.83 ng/mL
RT: 9.112 min Scan# 1983
Delta R.T. 0.009 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:212 Resp: 358408

Ion	Ratio	Lower	Upper
212	100		
106	14.3	0.0	45.8

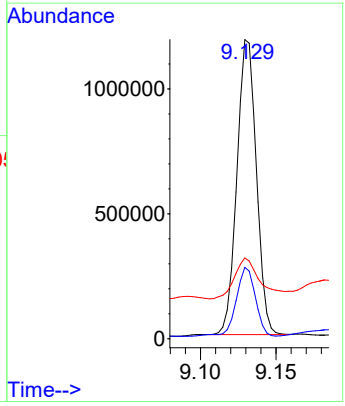


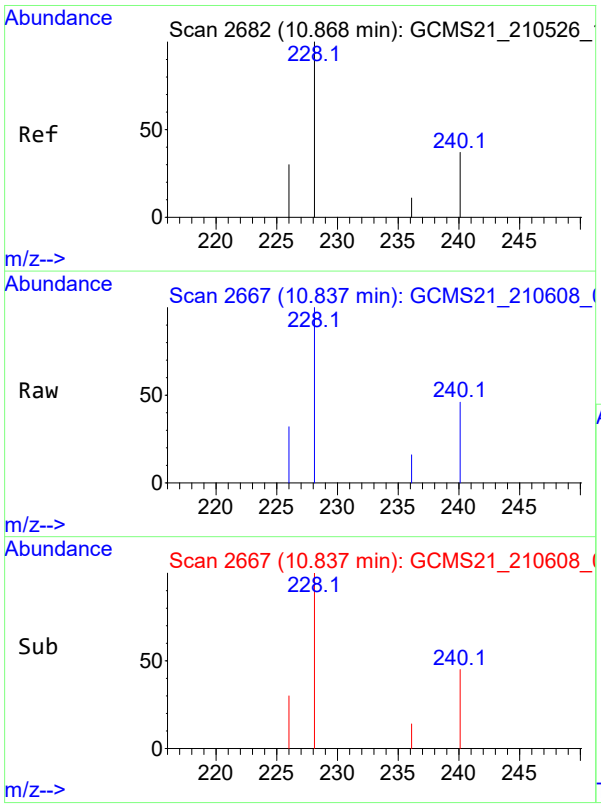


#18
Pyrene
Concen: 696.35 ng/mL
RT: 9.129 min Scan# 1989
Delta R.T. 0.009 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:202 Resp: 1056943

Ion	Ratio	Lower	Upper
202	100		
200	24.4	0.0	54.2
101	35.8	0.0	44.6

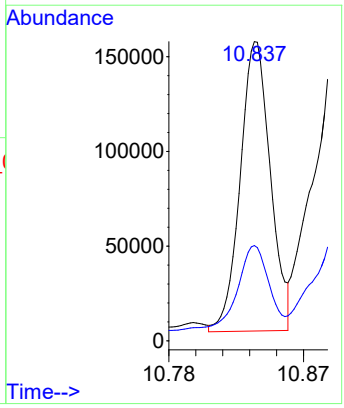


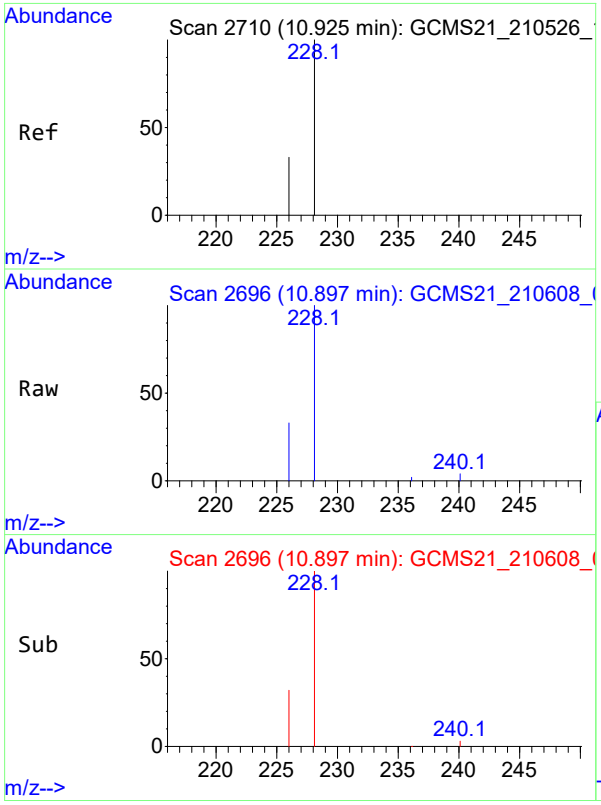


#19
Benzo(a)anthracene
Concen: 187.56 ng/mL
RT: 10.837 min Scan# 2667
Delta R.T. 0.016 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:228 Resp: 214846

Ion	Ratio	Lower	Upper
228	100		
226	33.3	0.0	59.9

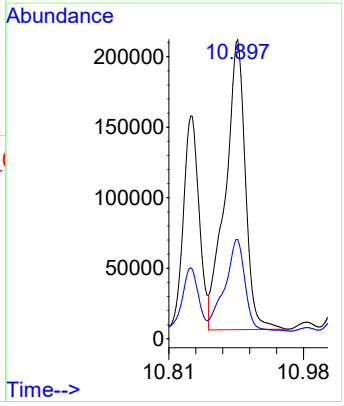


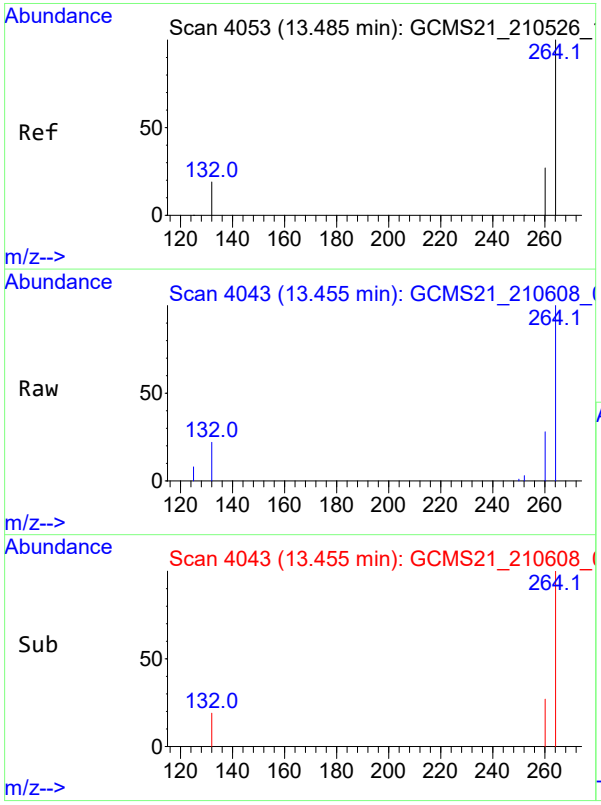


#20
Chrysene
Concen: 254.26 ng/mL
RT: 10.897 min Scan# 2696
Delta R.T. 0.018 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:228 Resp: 359577

Ion	Ratio	Lower	Upper
228	100		
226	32.6	2.8	62.8

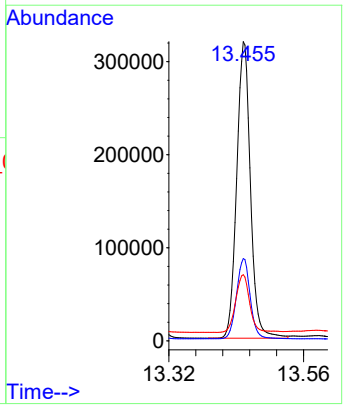


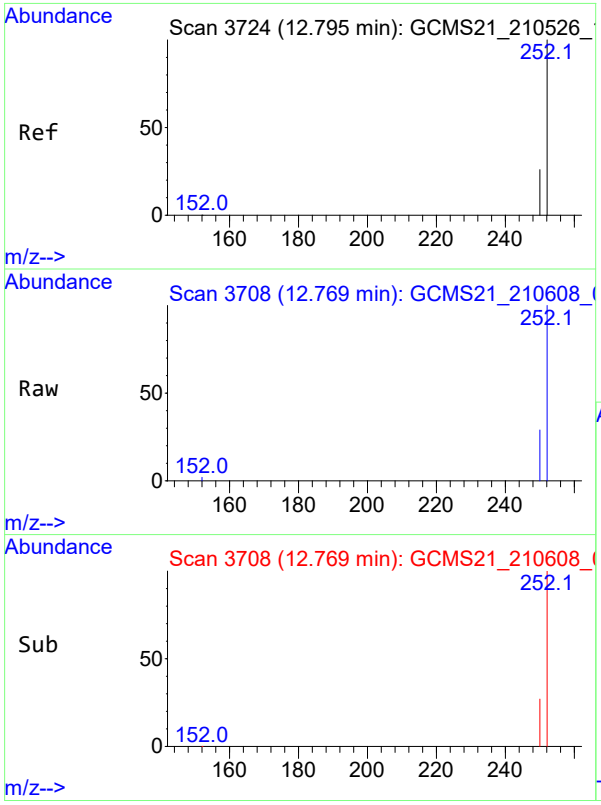


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.455 min Scan# 4043
Delta R.T. 0.026 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:264 Resp: 536885

Ion	Ratio	Lower	Upper
264	100		
260	27.0	0.0	57.5
132	19.7	0.0	49.5

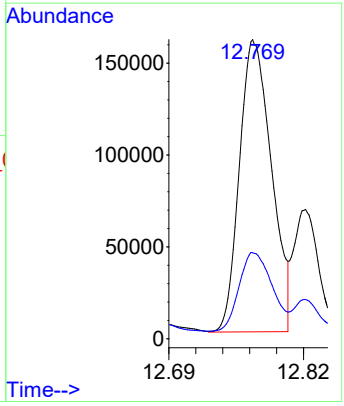


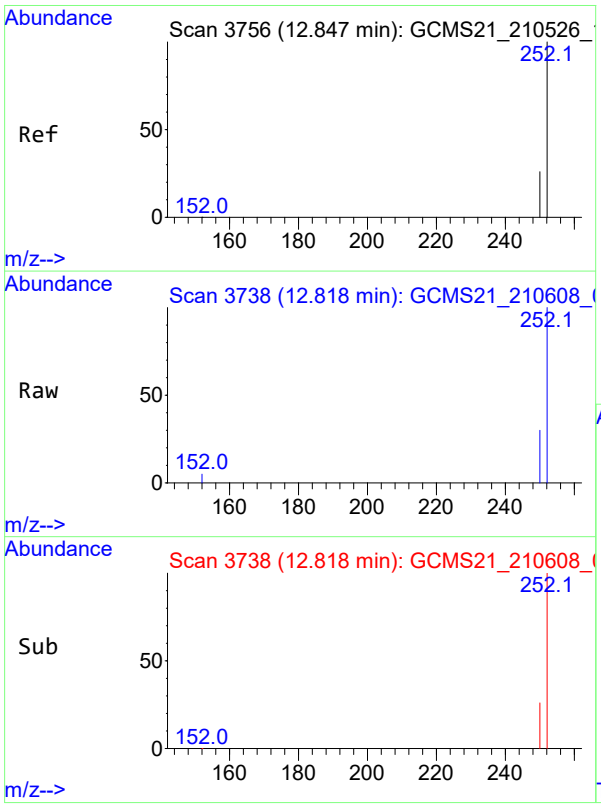


#22
Benzo(b)fluoranthene
Concen: 292.66 ng/mL
RT: 12.769 min Scan# 3708
Delta R.T. 0.028 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 326159

Ion	Ratio	Lower	Upper
252	100		
250	27.7	0.0	56.2

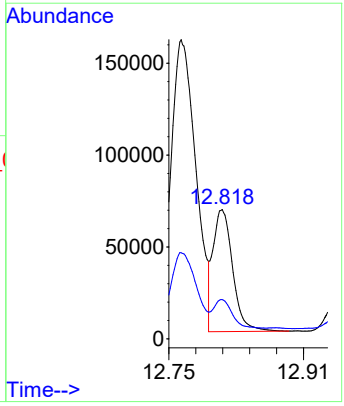


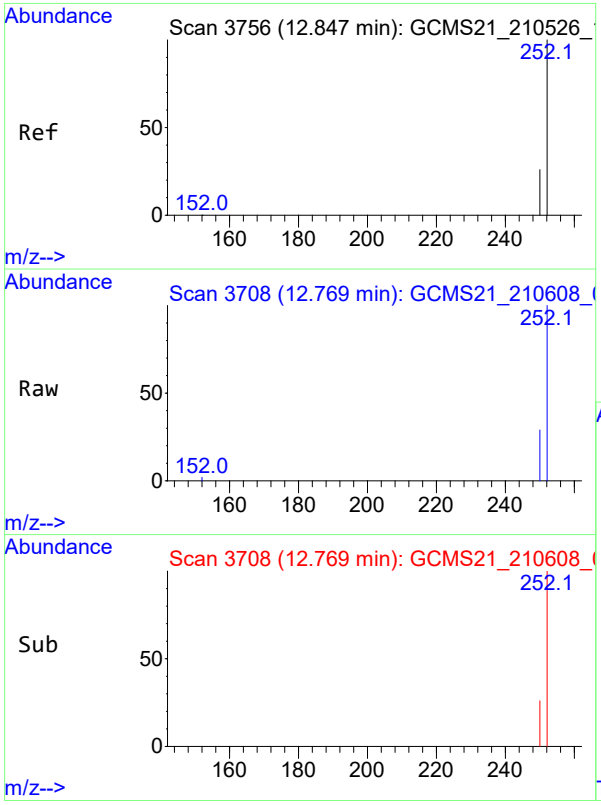


#23
Benzo(k)fluoranthene
Concen: 87.65 ng/mL
RT: 12.818 min Scan# 3738
Delta R.T. 0.023 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 108253

Ion	Ratio	Lower	Upper
252	100		
250	22.4	0.0	55.6

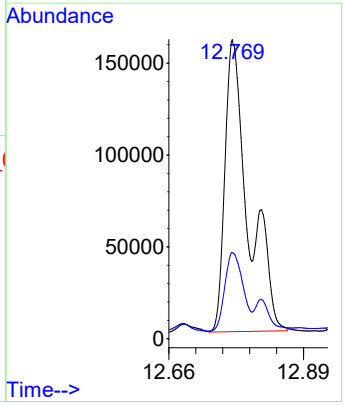


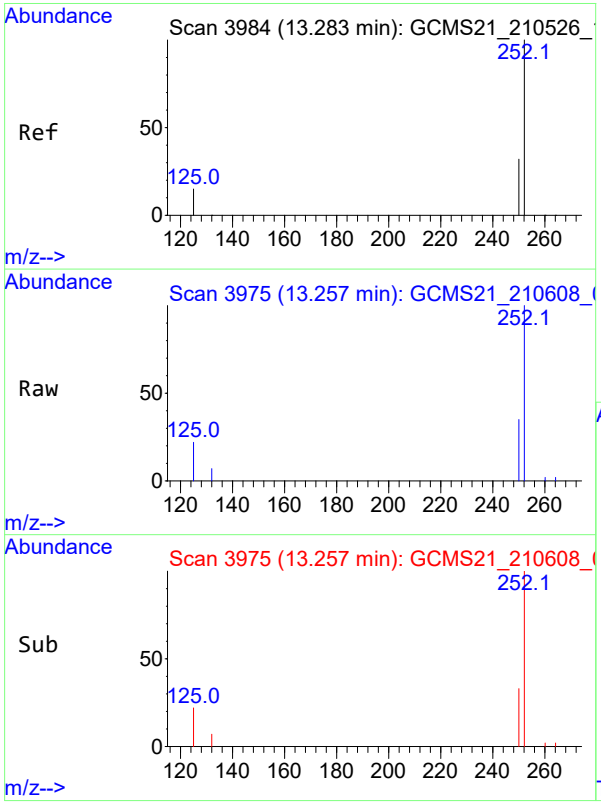


#24
benzo(b+k)fluoranthene (sum)
Concen: 357.08 ng/mL m
RT: 12.769 min Scan# 3708
Delta R.T. -0.026 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 432393

Ion	Ratio	Lower	Upper
252	100		
250	28.5	0.0	55.6

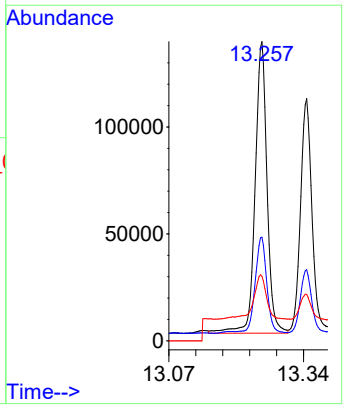


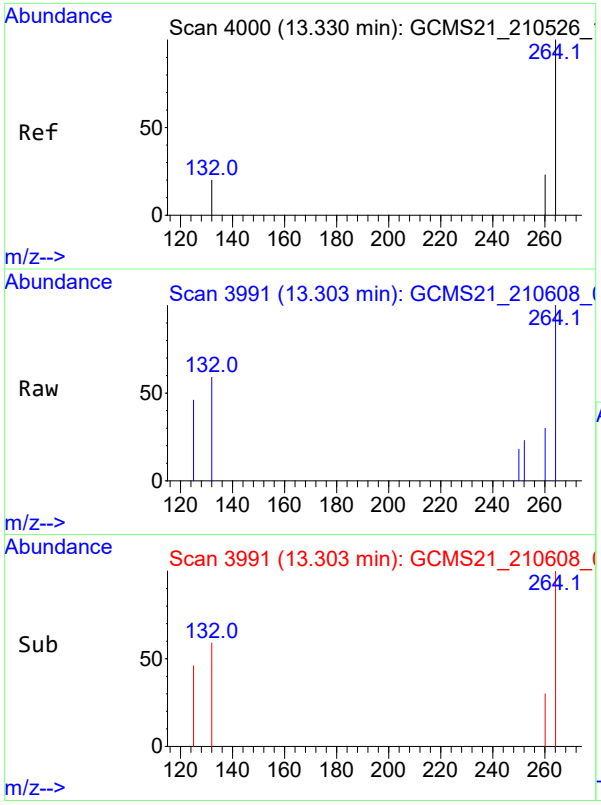


#25
Benzo(e)pyrene
Concen: 203.69 ng/mL
RT: 13.257 min Scan# 3975
Delta R.T. 0.026 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 228957

Ion	Ratio	Lower	Upper
252	100		
250	31.7	2.3	62.3
125	39.1	0.0	46.1

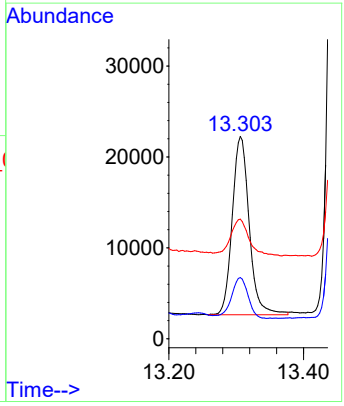


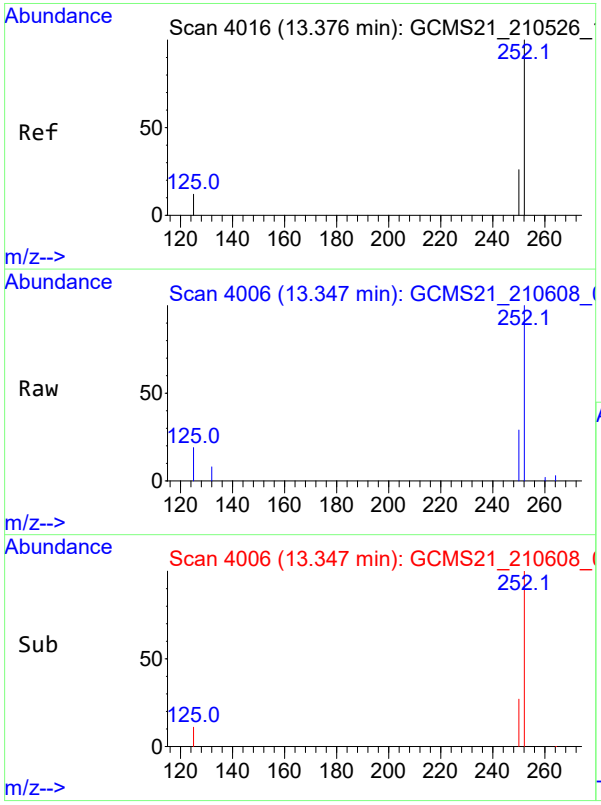


#26
Benzo(a)pyrene-D12
Concen: 39.04 ng/mL
RT: 13.303 min Scan# 3991
Delta R.T. 0.026 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:264 Resp: 34056

Ion	Ratio	Lower	Upper
264	100		
260	28.1	0.0	53.0
132	22.4	0.0	49.8

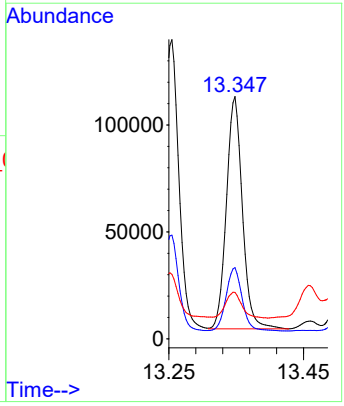


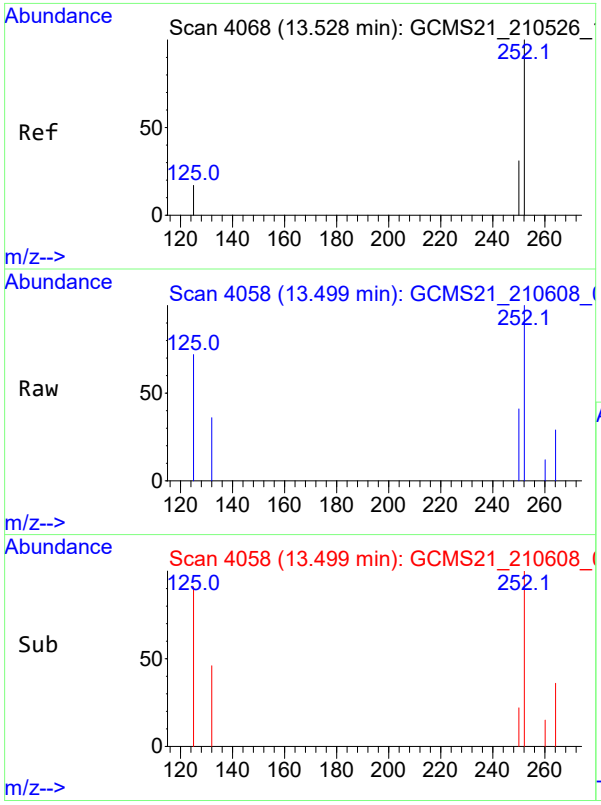


#27
Benzo(a)pyrene
Concen: 170.20 ng/mL
RT: 13.347 min Scan# 4006
Delta R.T. 0.026 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 173110

Ion	Ratio	Lower	Upper
252	100		
250	27.4	0.0	56.6
125	11.3	0.0	42.1

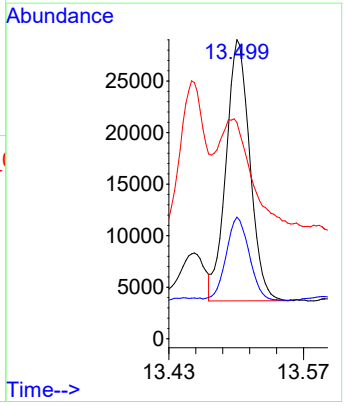


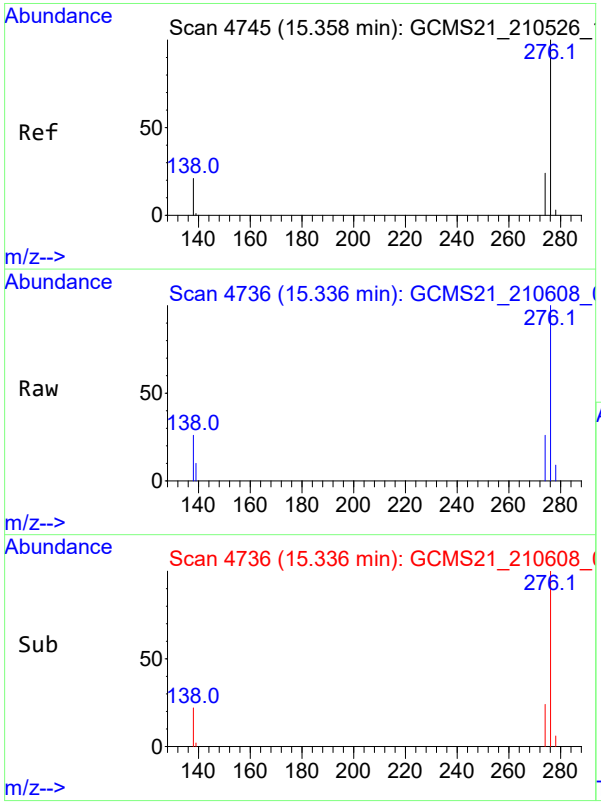


#28
Perylene
Concen: 37.72 ng/mL
RT: 13.499 min Scan# 4058
Delta R.T. 0.023 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 43080

Ion	Ratio	Lower	Upper
252	100		
250	31.0	1.2	61.2
125	125.4	0.0	46.7#

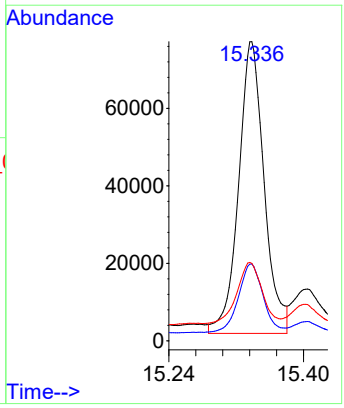


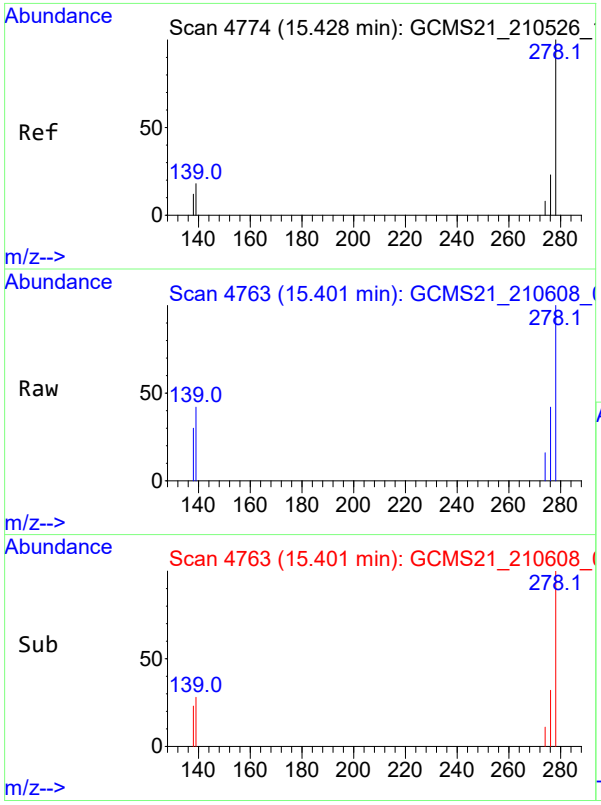


#29
Indeno(1,2,3-cd)pyrene
Concen: 179.27 ng/mL m
RT: 15.336 min Scan# 4736
Delta R.T. 0.036 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:276 Resp: 156022

Ion	Ratio	Lower	Upper
276	100		
274	20.8	0.0	53.4
138	19.9	0.0	51.2

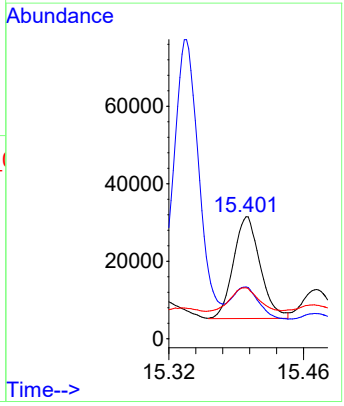


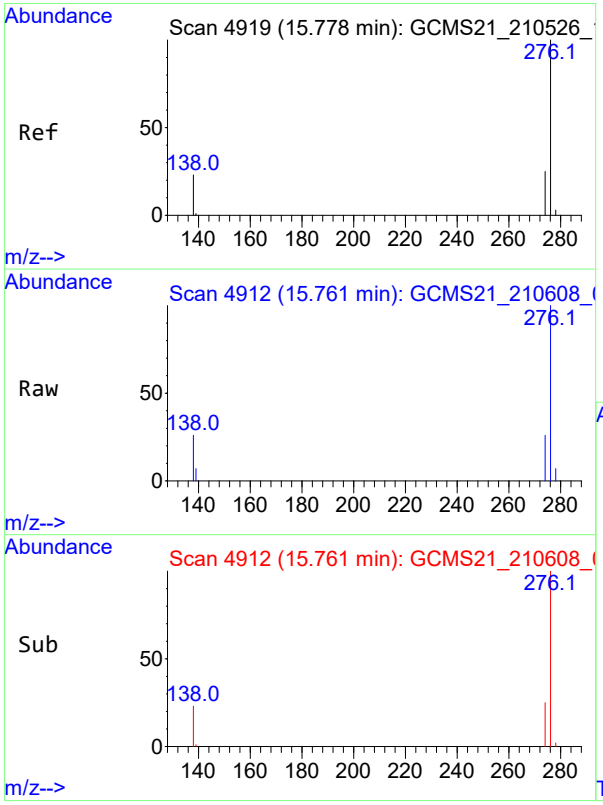


#30
Dibenz(a,h)anthracene
Concen: 61.49 ng/mL
RT: 15.401 min Scan# 4763
Delta R.T. 0.029 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:278 Resp: 53340

Ion	Ratio	Lower	Upper
278	100		
276	36.7	0.0	58.4
139	25.4	0.0	47.7

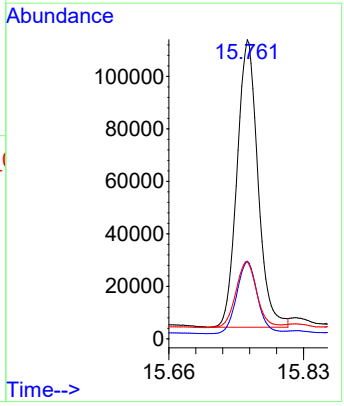




#31
Benzo(g,h,i)perylene
Concen: 183.37 ng/mL
RT: 15.761 min Scan# 4912
Delta R.T. 0.036 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:276 Resp: 207362

Ion	Ratio	Lower	Upper
276	100		
274	25.0	0.0	54.3
138	23.2	0.0	53.0



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_05.D
Acq On : 08 Jun 2021 10:23
Operator : MN GCMS21
Sample : 2105001-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 10:47:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

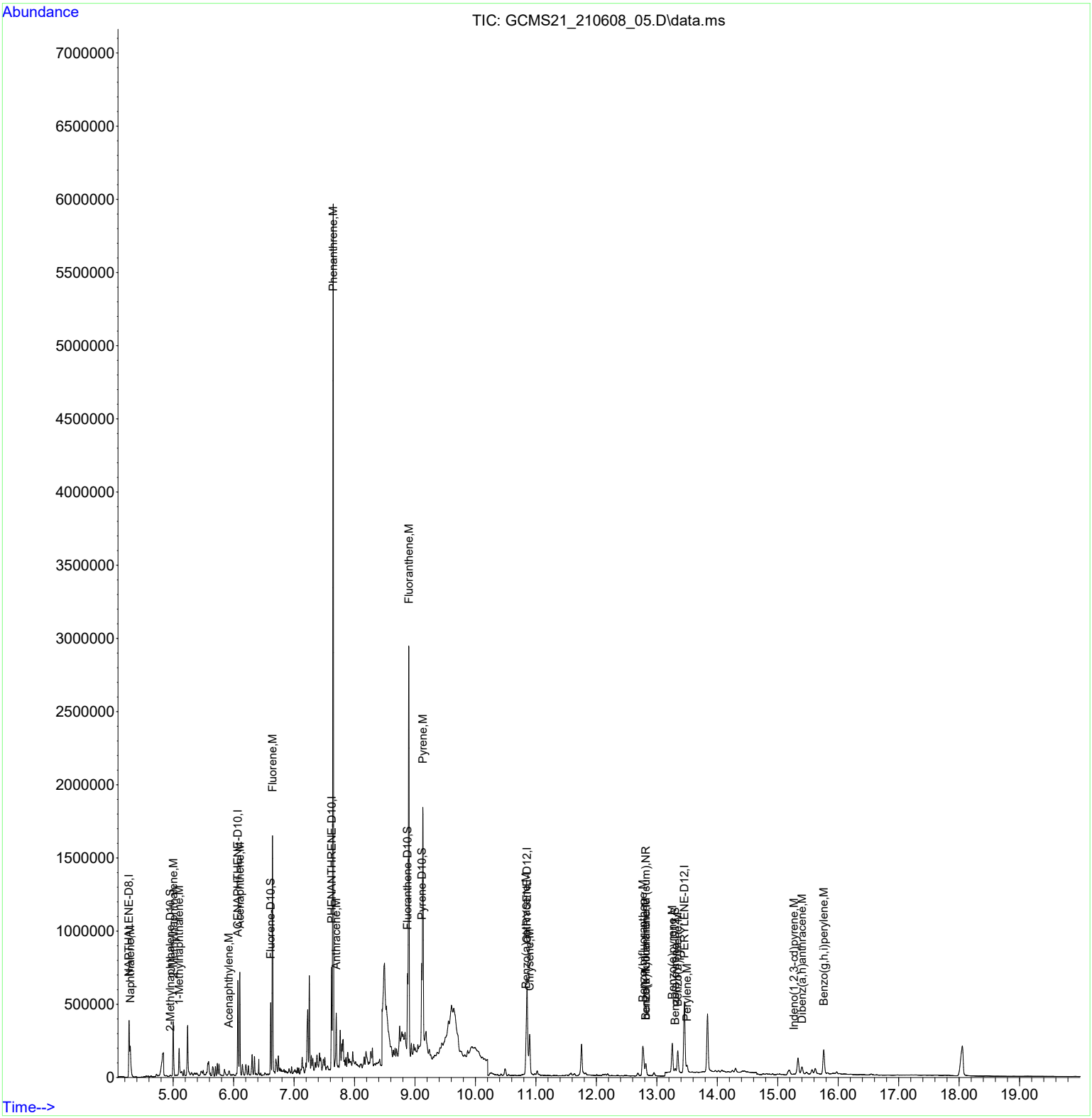
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.271	136	409489	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.069	164	255295	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.620	188	533401	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.854	240	569503	500.00	ng/mL	0.02
21) PERYLENE-D12	13.455	264	536885	500.00	ng/mL	0.03
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.952	152	564	1.09	ng/mL	-0.02
9) Fluorene-D10	6.613	176	192841	315.51	ng/mL	0.00
14) Fluoranthene-D10	8.878	212	343759	297.63	ng/mL	0.01
17) Pyrene-D10	9.112	212	358408	275.83	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.303	264	34056	39.04	ng/mL	0.03
Target Compounds						Qvalue
2) Naphthalene	4.292	128	145995	185.82	ng/mL	98
4) 2-Methylnaphthalene	5.001	142	159603	275.82	ng/mL	98
5) 1-Methylnaphthalene	5.097	142	78922	163.75	ng/mL	96
7) Acenaphthylene	5.919	152	19081	22.52	ng/mL	81
8) Acenaphthene	6.103	153	200966	309.85	ng/mL	99
10) Fluorene	6.643	166	635481	885.17	ng/mL	98
12) Phenanthrene	7.647	178	3623625	2814.81	ng/mL	98
13) Anthracene	7.697	178	270418	252.62	ng/mL	86
15) Fluoranthene	8.899	202	1842511	1356.12	ng/mL	98
18) Pyrene	9.129	202	1056943	696.35	ng/mL	80
19) Benzo(a)anthracene	10.837	228	214846	187.56	ng/mL	94
20) Chrysene	10.897	228	359577	254.26	ng/mL	100
22) Benzo(b)fluoranthene	12.769	252	326159	292.66	ng/mL	97
23) Benzo(k)fluoranthene	12.818	252	108253	87.65	ng/mL	94
24) benzo(b+k)fluoranthene...	12.818	252	108253	89.40	ng/mL	92
25) Benzo(e)pyrene	13.257	252	228957	203.69	ng/mL	81
27) Benzo(a)pyrene	13.347	252	173110	170.20	ng/mL	98
28) Perylene	13.499	252	43080	37.72	ng/mL#	12
29) Indeno(1,2,3-cd)pyrene	15.269	276	672	0.77	ng/mL#	11
30) Dibenz(a,h)anthracene	15.401	278	53340	61.49	ng/mL	84
31) Benzo(g,h,i)perylene	15.761	276	207362	183.37	ng/mL	99

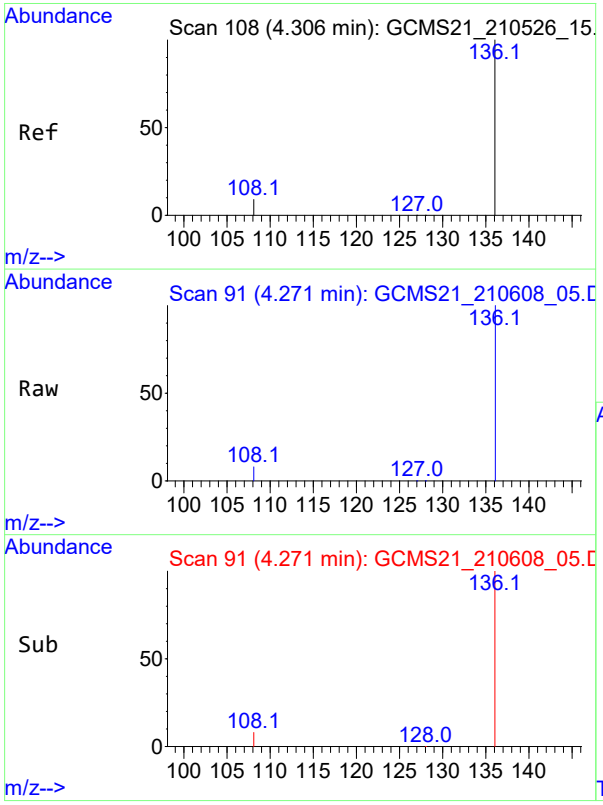
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_05.D
Acq On : 08 Jun 2021 10:23
Operator : MN GCMS21
Sample : 2105001-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 10:47:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

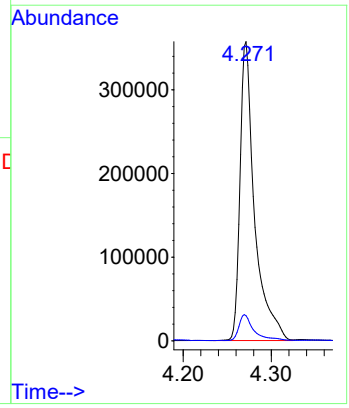


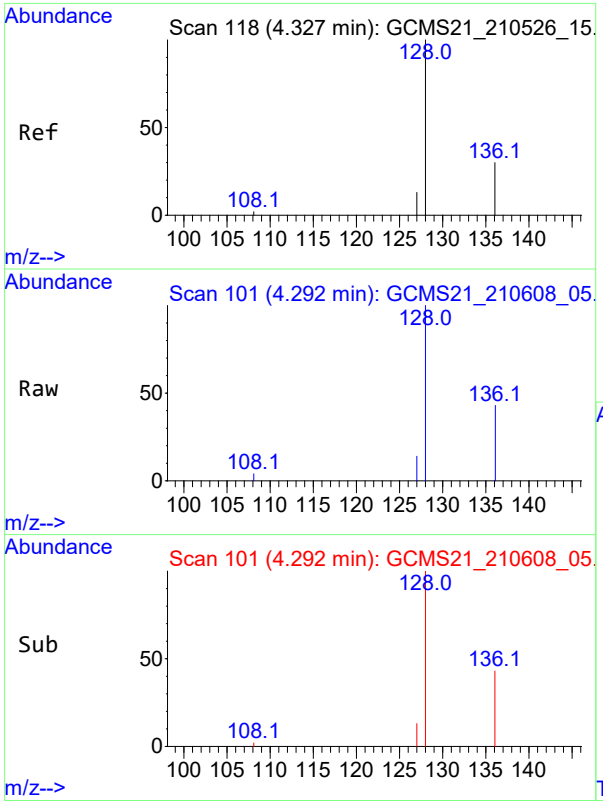


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.271 min Scan# 91
Delta R.T. -0.004 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:136 Resp: 409489

Ion	Ratio	Lower	Upper
136	100		
108	8.9	0.0	28.3

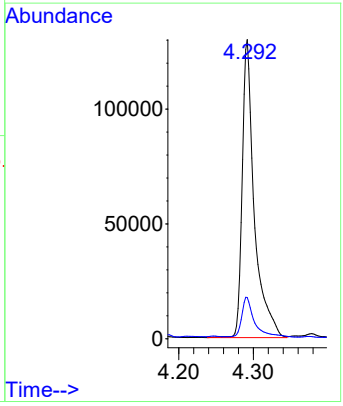


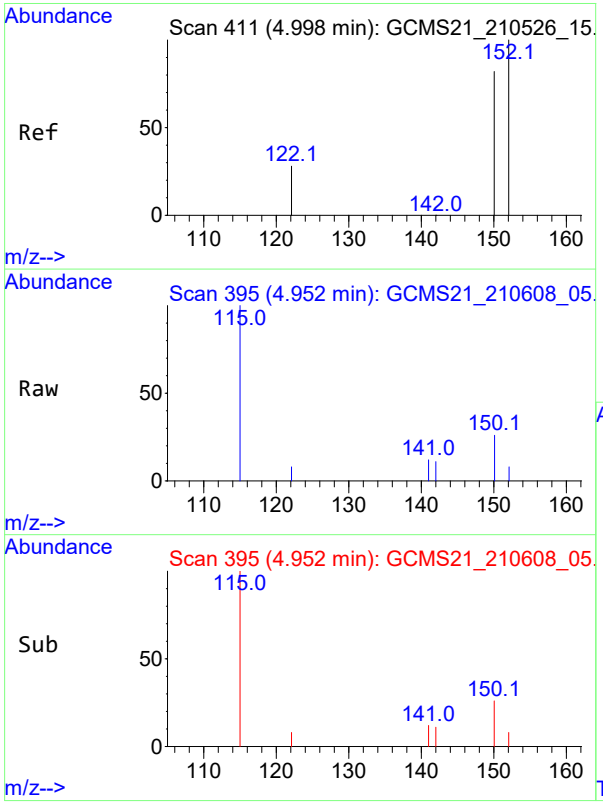


#2
Naphthalene
Concen: 185.82 ng/mL
RT: 4.292 min Scan# 101
Delta R.T. -0.004 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:128 Resp: 145995

Ion	Ratio	Lower	Upper
128	100		
127	14.0	0.0	43.3

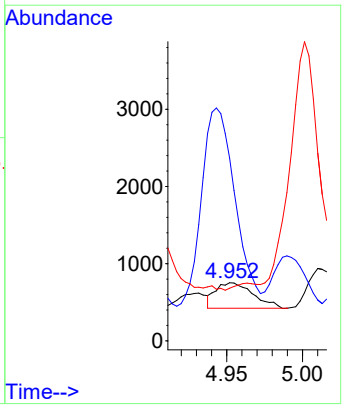


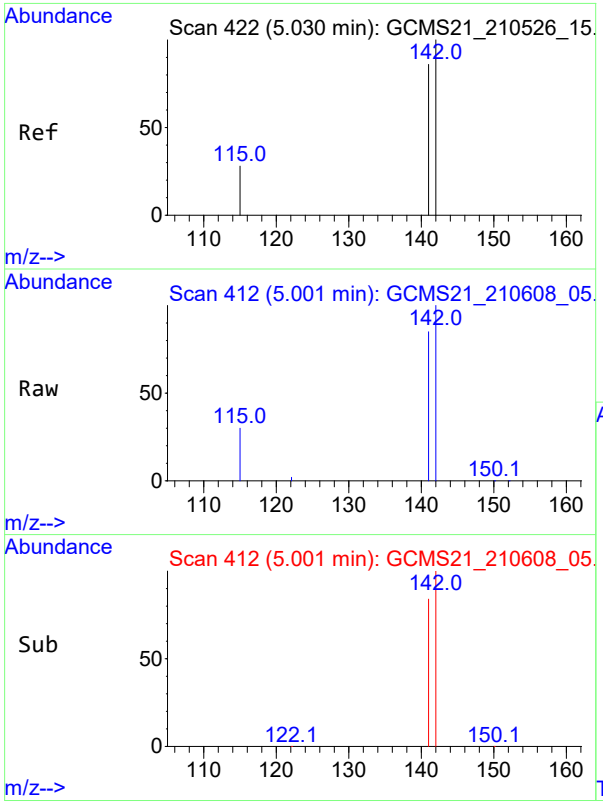


#3
2-Methylnaphthalene-D10
Concen: 1.09 ng/mL
RT: 4.952 min Scan# 395
Delta R.T. -0.018 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:152 Resp: 564

Ion	Ratio	Lower	Upper
152	100		
150	782.1	52.3	112.3#
122	0.0	0.0	57.5

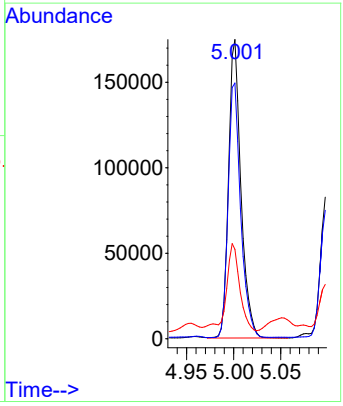


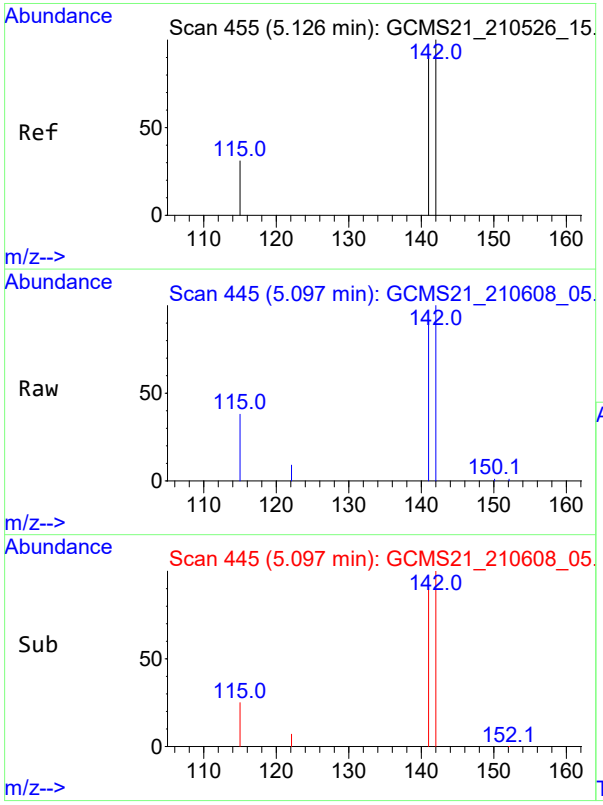


#4
2-Methylnaphthalene
Concen: 275.82 ng/mL
RT: 5.001 min Scan# 412
Delta R.T. -0.000 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:142 Resp: 159603

Ion	Ratio	Lower	Upper
142	100		
141	86.3	56.3	116.3
115	31.3	0.0	57.4

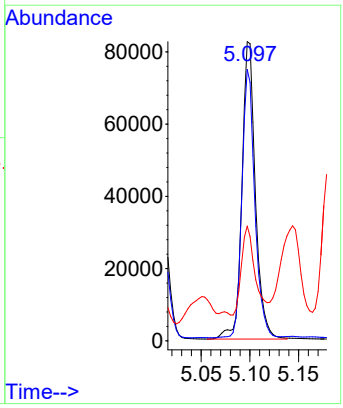


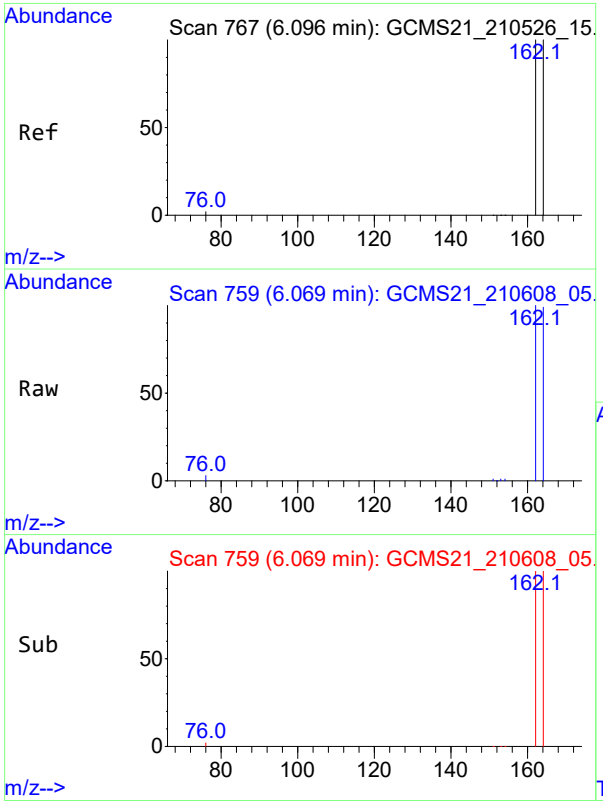


#5
1-Methylnaphthalene
Concen: 163.75 ng/mL
RT: 5.097 min Scan# 445
Delta R.T. -0.000 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:142 Resp: 78922

Ion	Ratio	Lower	Upper
142	100		
141	86.3	61.5	121.5
115	29.7	0.2	60.2

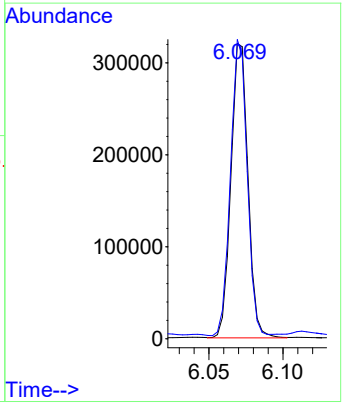


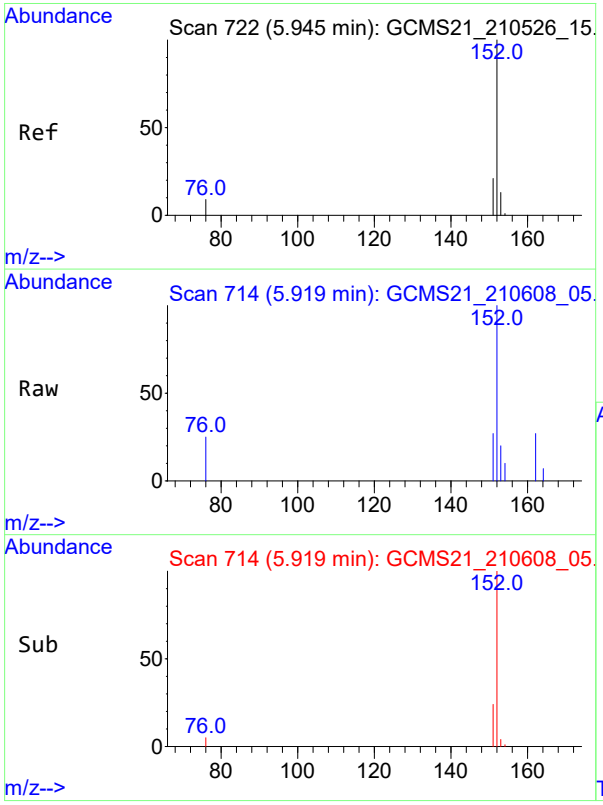


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.069 min Scan# 759
Delta R.T. -0.000 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:164 Resp: 255295

Ion	Ratio	Lower	Upper
164	100		
162	98.2	77.7	117.7

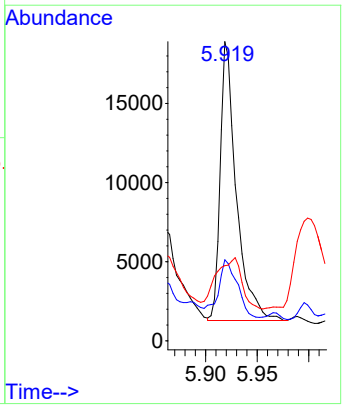


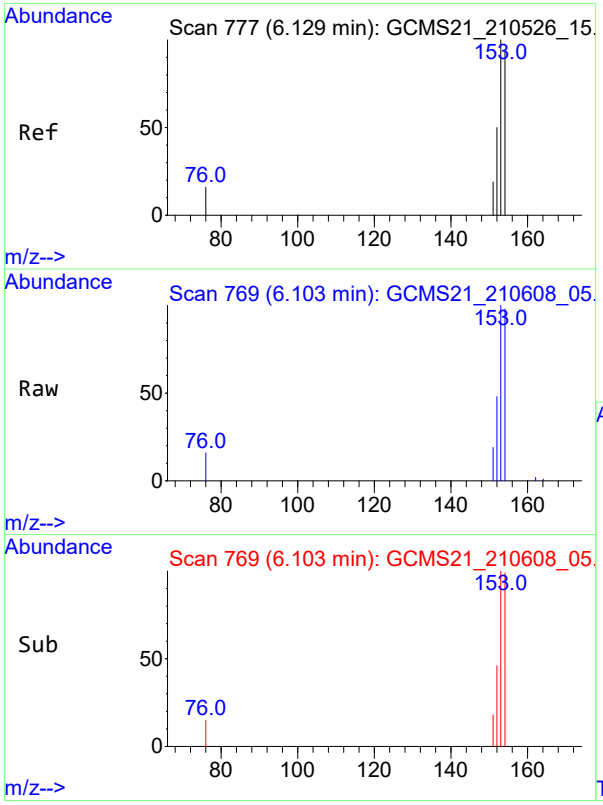


#7
Acenaphthylene
Concen: 22.52 ng/mL
RT: 5.919 min Scan# 714
Delta R.T. 0.003 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:152 Resp: 19081

Ion	Ratio	Lower	Upper
152	100		
151	24.2	0.0	52.0
76	29.3	0.0	39.5

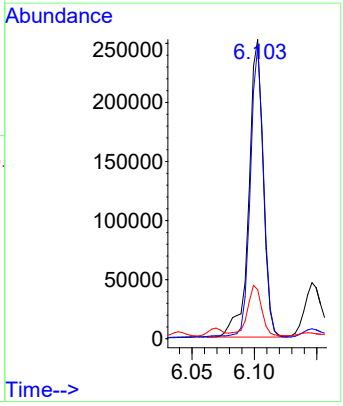


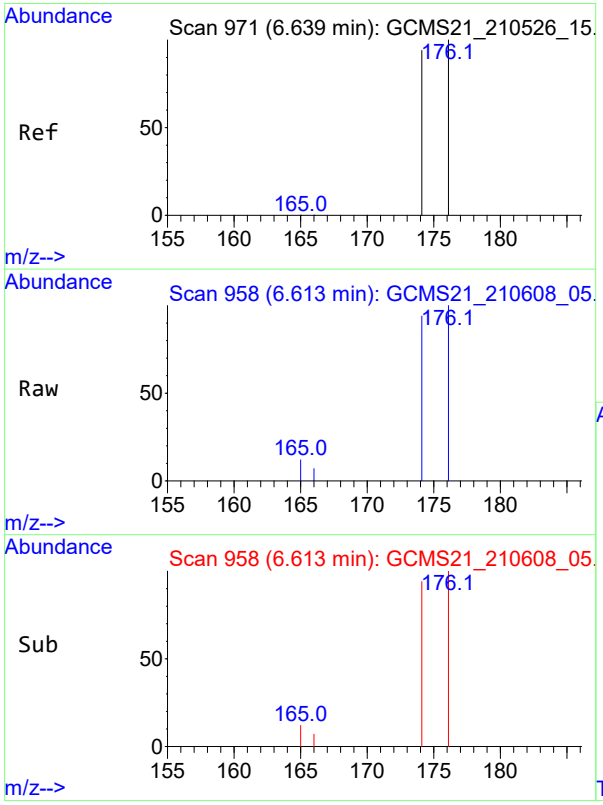


#8
Acenaphthene
Concen: 309.85 ng/mL
RT: 6.103 min Scan# 769
Delta R.T. 0.003 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:153 Resp: 200966

Ion	Ratio	Lower	Upper
153	100		
154	91.6	60.4	120.4
76	16.9	0.0	47.4

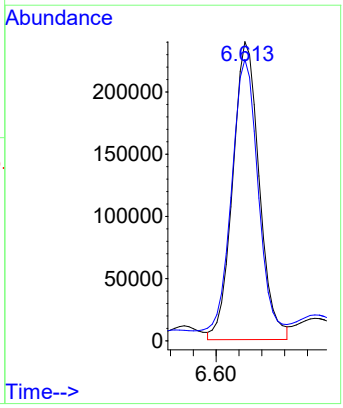


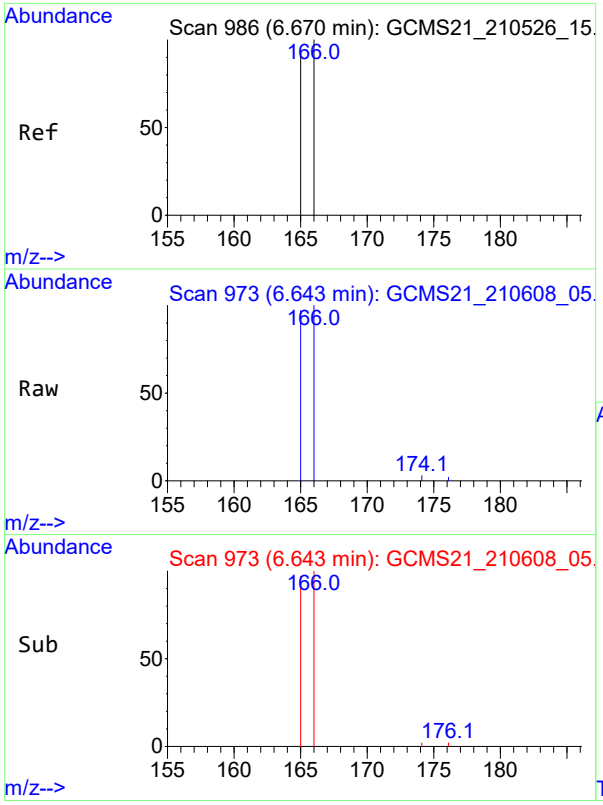


#9
Fluorene-D10
Concen: 315.51 ng/mL
RT: 6.613 min Scan# 958
Delta R.T. 0.002 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:176 Resp: 192841

Ion	Ratio	Lower	Upper
176	100		
174	90.8	63.9	123.9

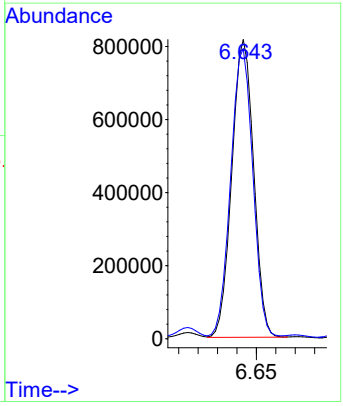


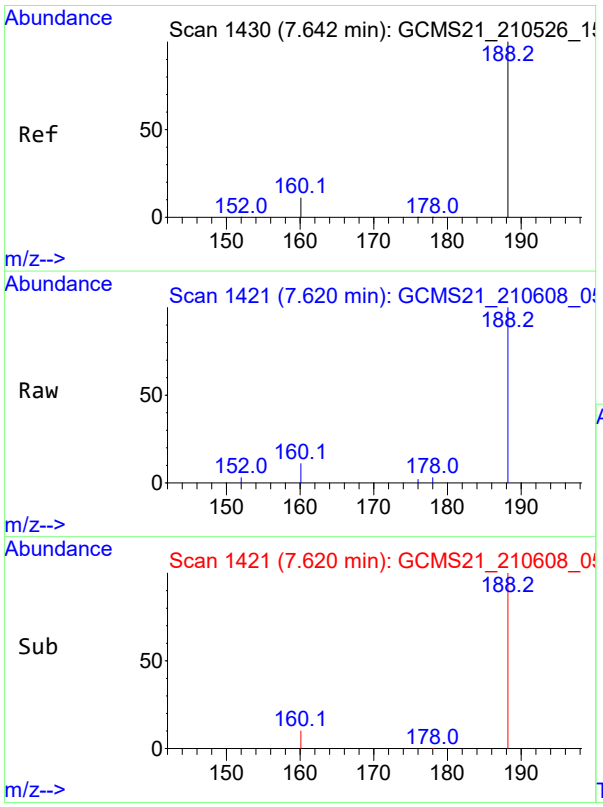


#10
Fluorene
Concen: 885.17 ng/mL
RT: 6.643 min Scan# 973
Delta R.T. 0.002 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:166 Resp: 635481

Ion	Ratio	Lower	Upper
166	100		
165	97.3	65.1	125.1

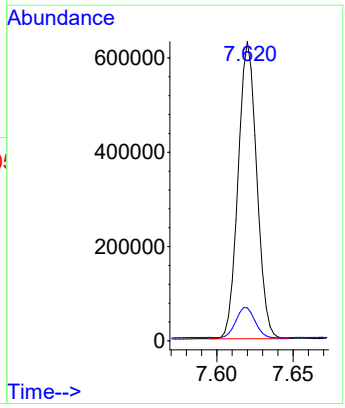


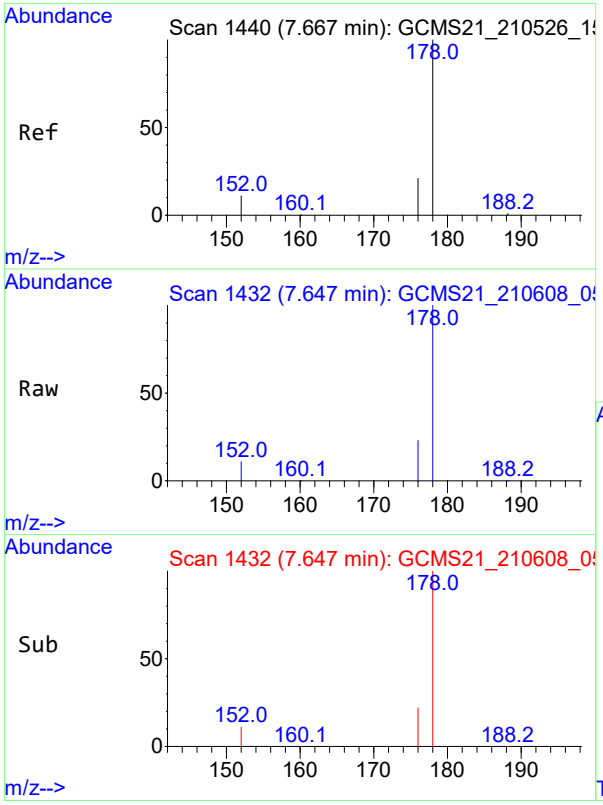


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.620 min Scan# 1421
Delta R.T. 0.005 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:188 Resp: 533401

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	39.8

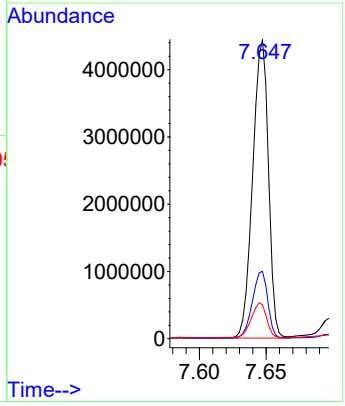


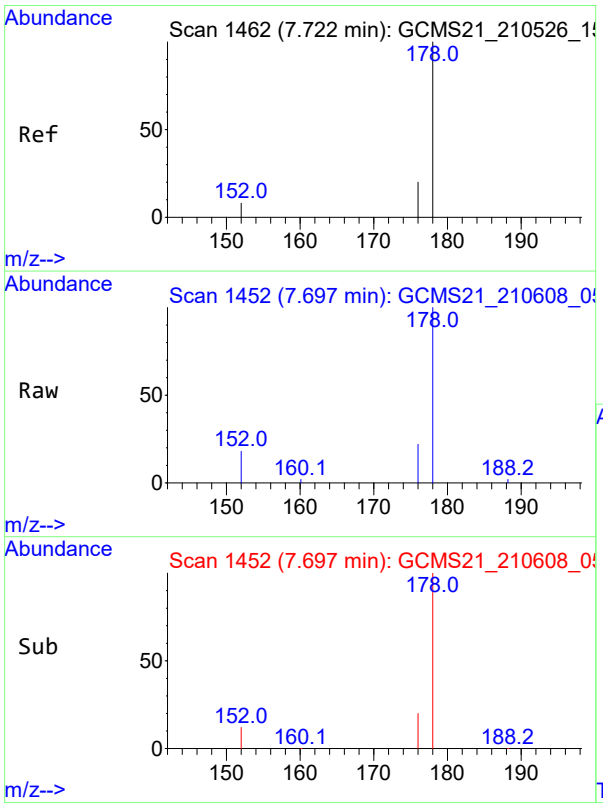


#12
Phenanthrene
Concen: 2814.81 ng/mL
RT: 7.647 min Scan# 1432
Delta R.T. 0.010 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:178 Resp: 3623625

Ion	Ratio	Lower	Upper
178	100		
176	21.8	0.0	51.1
152	11.2	0.0	40.6

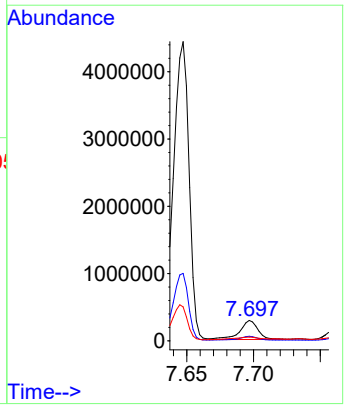


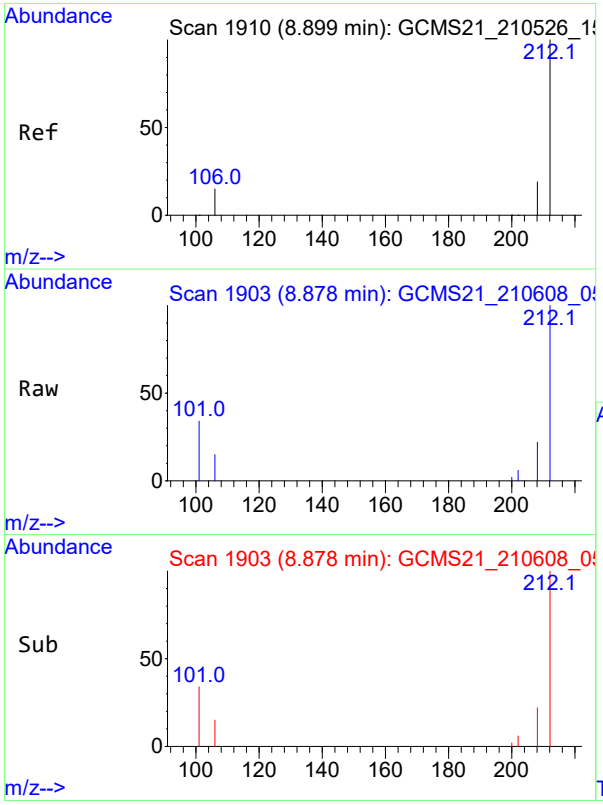


#13
Anthracene
Concen: 252.62 ng/mL
RT: 7.697 min Scan# 1452
Delta R.T. 0.005 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:178 Resp: 270418

Ion	Ratio	Lower	Upper
178	100		
176	18.1	0.0	50.4
152	21.1	0.0	38.3

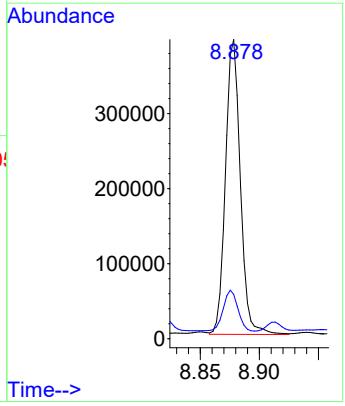


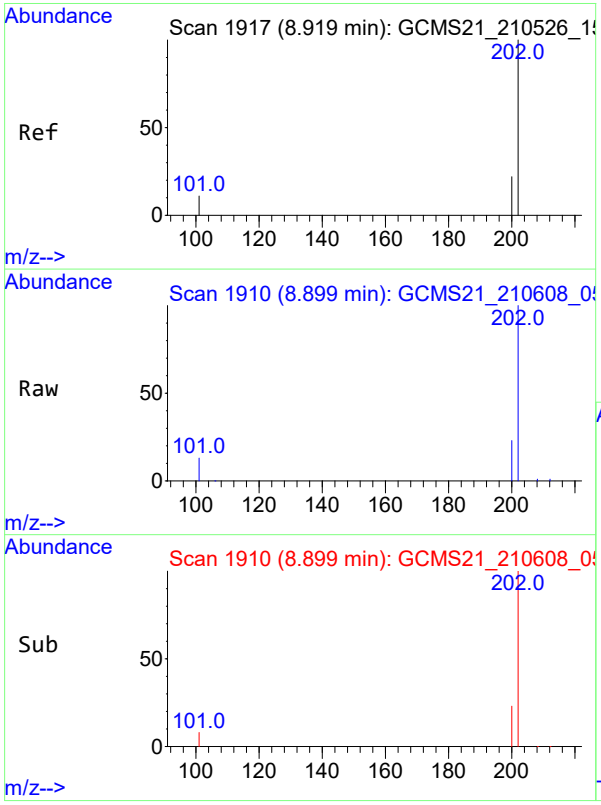


#14
Fluoranthene-D10
Concen: 297.63 ng/mL
RT: 8.878 min Scan# 1903
Delta R.T. 0.012 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:212 Resp: 343759

Ion	Ratio	Lower	Upper
212	100		
106	13.6	0.0	45.3

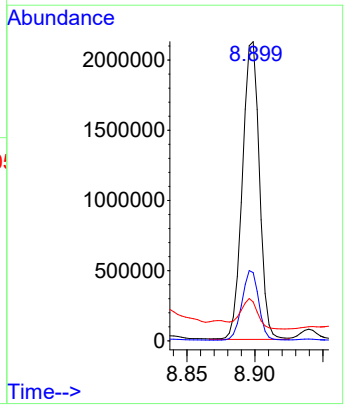


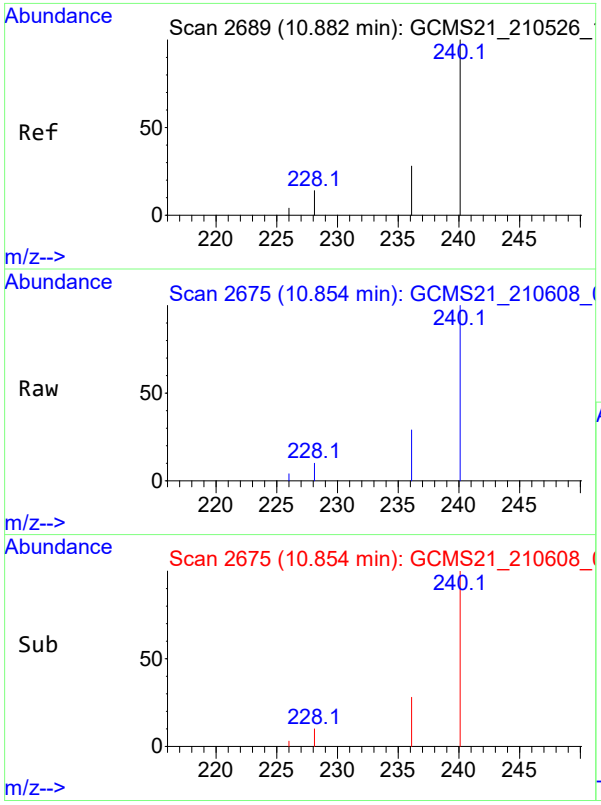


#15
Fluoranthene
Concen: 1356.12 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.012 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:202 Resp: 1842511

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.2
101	10.3	0.0	41.8

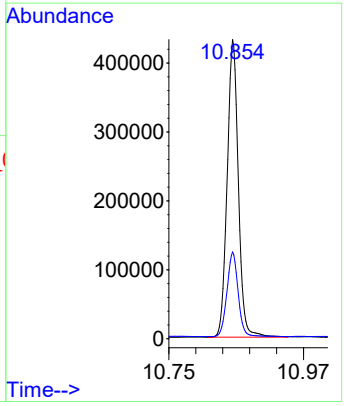


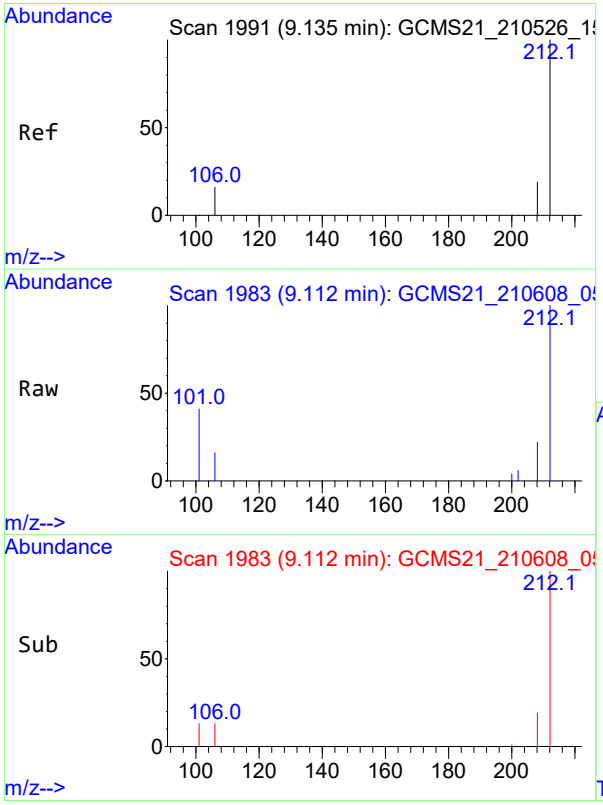


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.854 min Scan# 2675
Delta R.T. 0.016 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:240 Resp: 569503

Ion	Ratio	Lower	Upper
240	100		
236	28.3	0.0	58.6

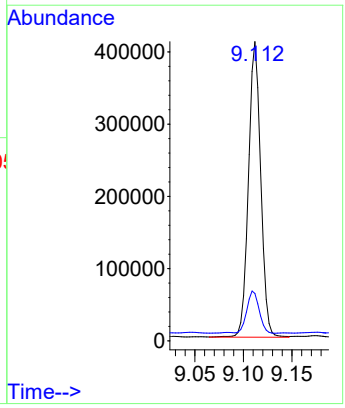


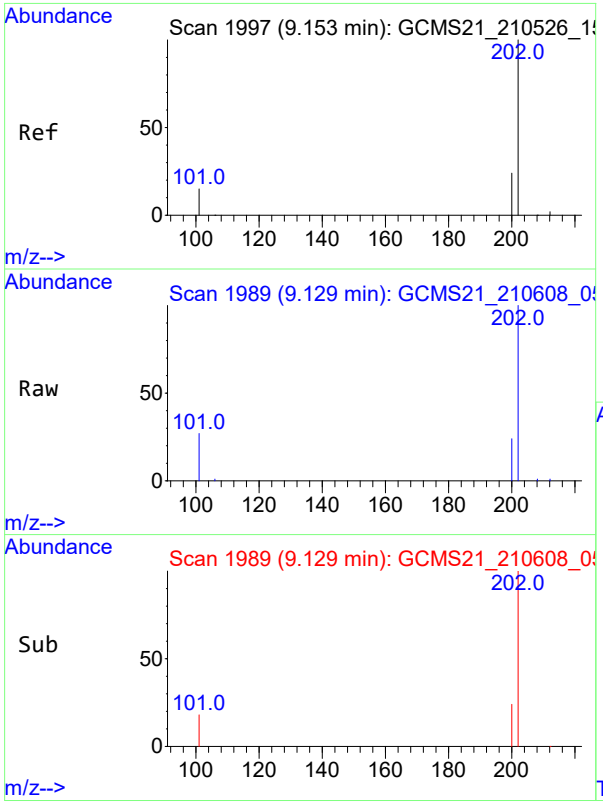


#17
Pyrene-D10
Concen: 275.83 ng/mL
RT: 9.112 min Scan# 1983
Delta R.T. 0.009 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:212 Resp: 358408

Ion	Ratio	Lower	Upper
212	100		
106	14.3	0.0	45.8

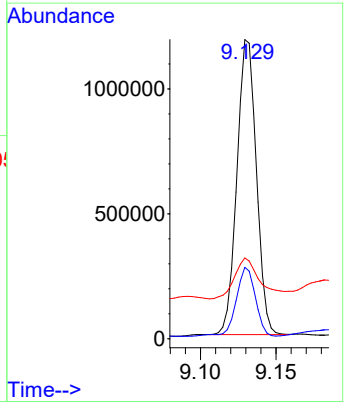


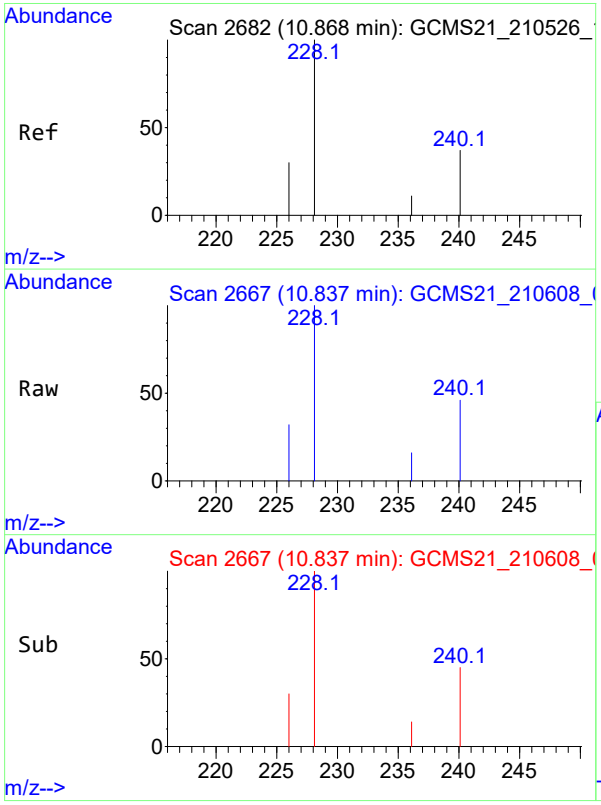


#18
Pyrene
Concen: 696.35 ng/mL
RT: 9.129 min Scan# 1989
Delta R.T. 0.009 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:202 Resp: 1056943

Ion	Ratio	Lower	Upper
202	100		
200	24.4	0.0	54.2
101	35.8	0.0	44.6

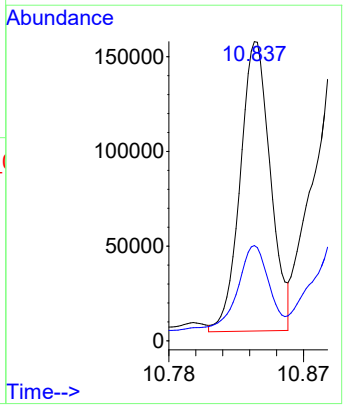


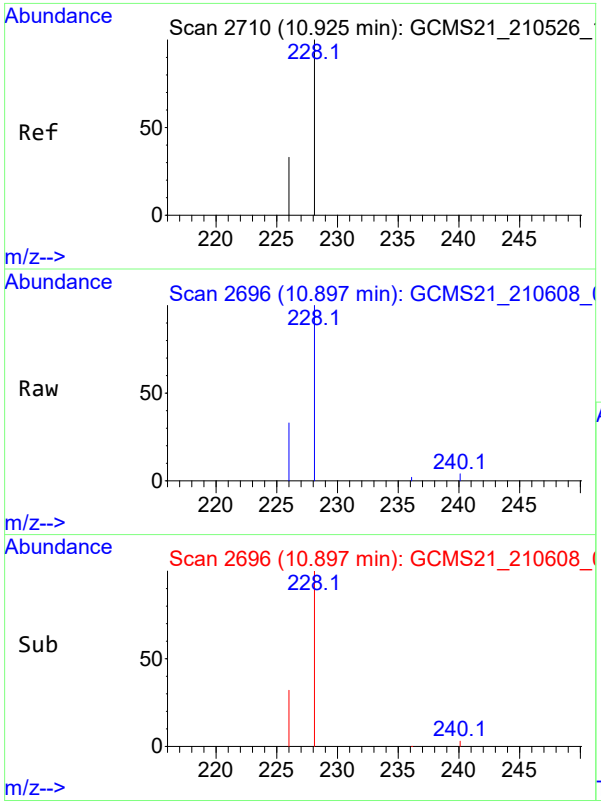


#19
Benzo(a)anthracene
Concen: 187.56 ng/mL
RT: 10.837 min Scan# 2667
Delta R.T. 0.016 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:228 Resp: 214846

Ion	Ratio	Lower	Upper
228	100		
226	33.3	0.0	59.9

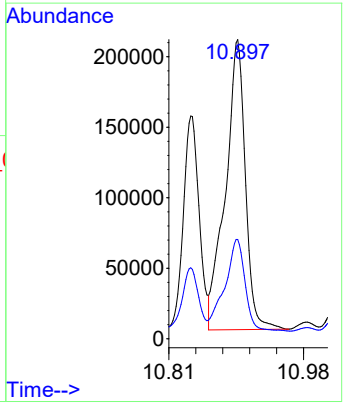


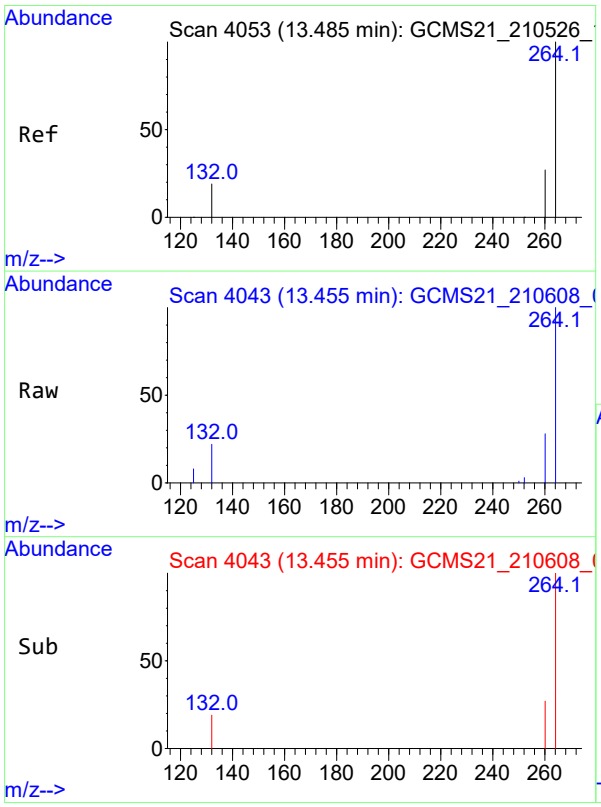


#20
Chrysene
Concen: 254.26 ng/mL
RT: 10.897 min Scan# 2696
Delta R.T. 0.018 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:228 Resp: 359577

Ion	Ratio	Lower	Upper
228	100		
226	32.6	2.8	62.8

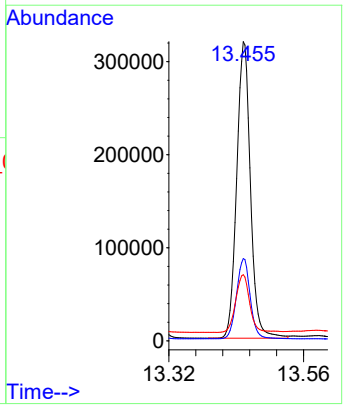


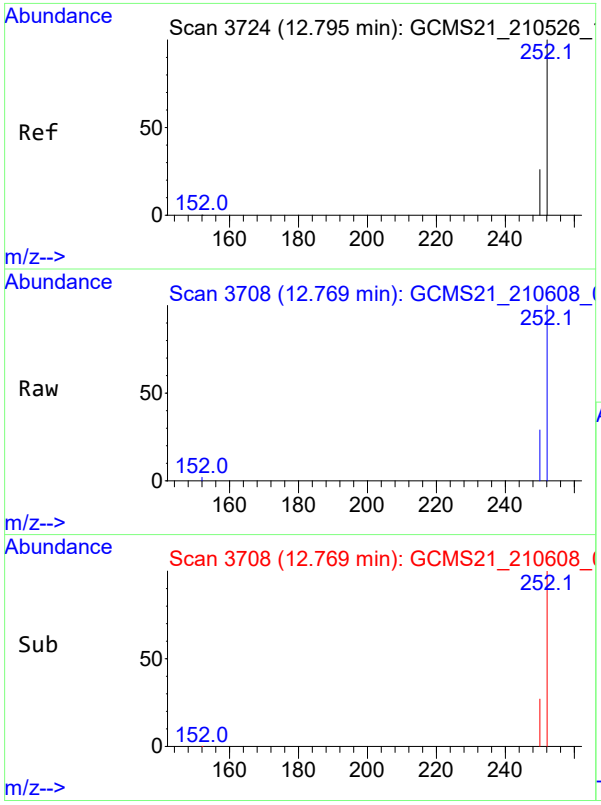


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.455 min Scan# 4043
Delta R.T. 0.026 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:264 Resp: 536885

Ion	Ratio	Lower	Upper
264	100		
260	27.0	0.0	57.5
132	19.7	0.0	49.5

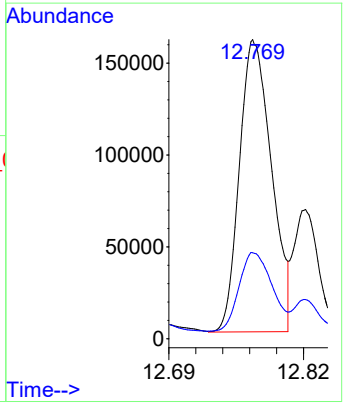


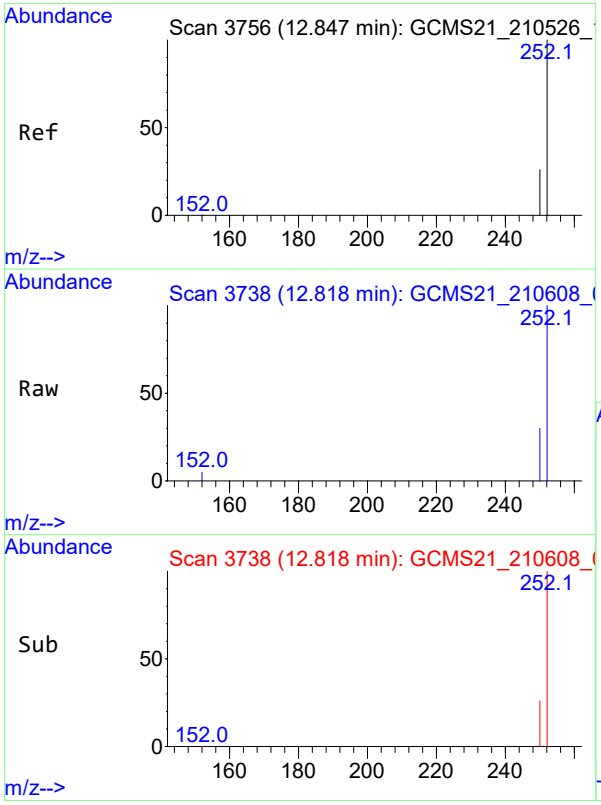


#22
Benzo(b)fluoranthene
Concen: 292.66 ng/mL
RT: 12.769 min Scan# 3708
Delta R.T. 0.028 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 326159

Ion	Ratio	Lower	Upper
252	100		
250	27.7	0.0	56.2

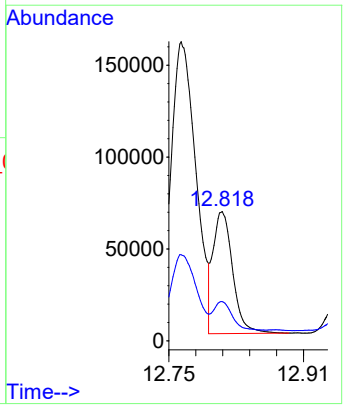


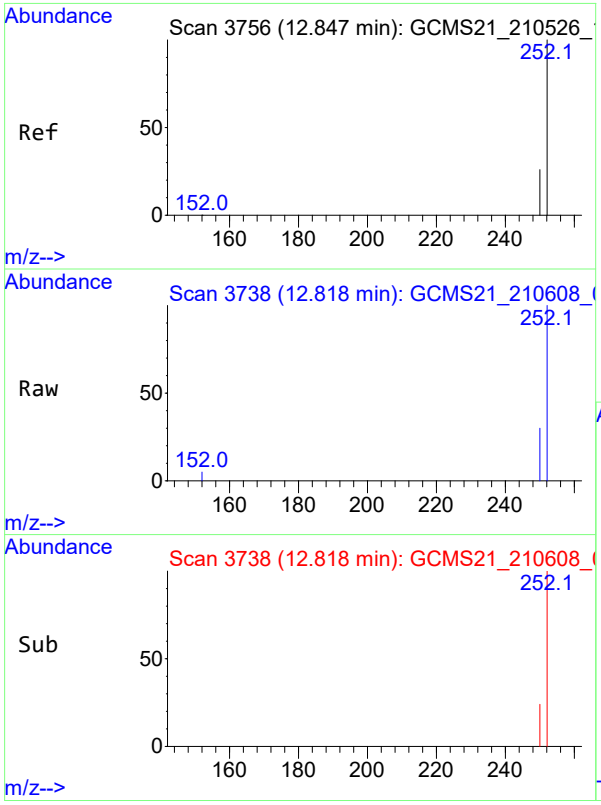


#23
Benzo(k)fluoranthene
Concen: 87.65 ng/mL
RT: 12.818 min Scan# 3738
Delta R.T. 0.023 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 108253

Ion	Ratio	Lower	Upper
252	100		
250	22.4	0.0	55.6

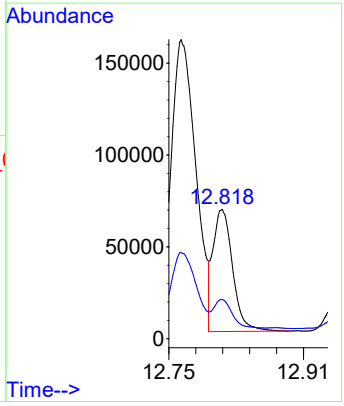


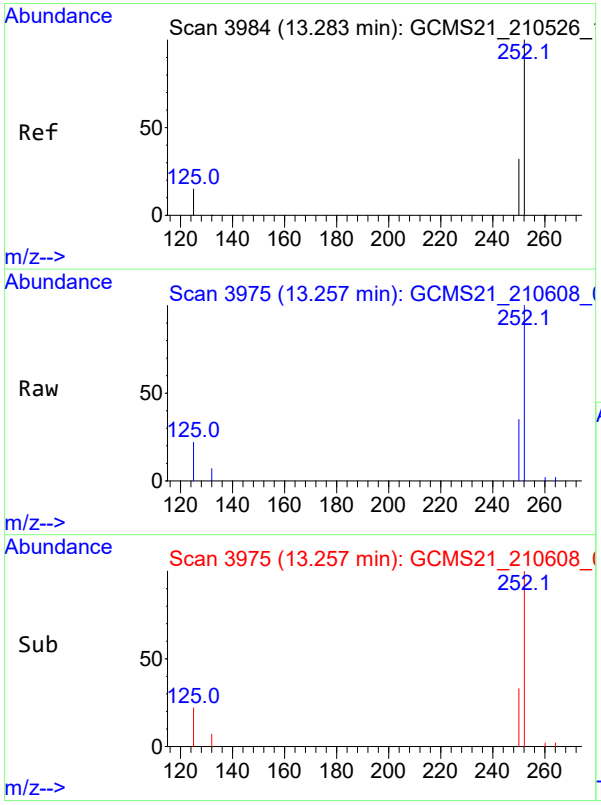


#24
benzo(b+k)fluoranthene (sum)
Concen: 89.40 ng/mL
RT: 12.818 min Scan# 3738
Delta R.T. 0.023 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 108253

Ion	Ratio	Lower	Upper
252	100		
250	29.6	0.0	55.6

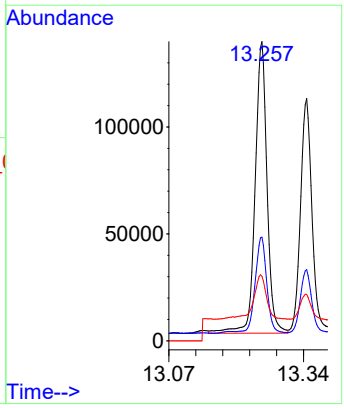


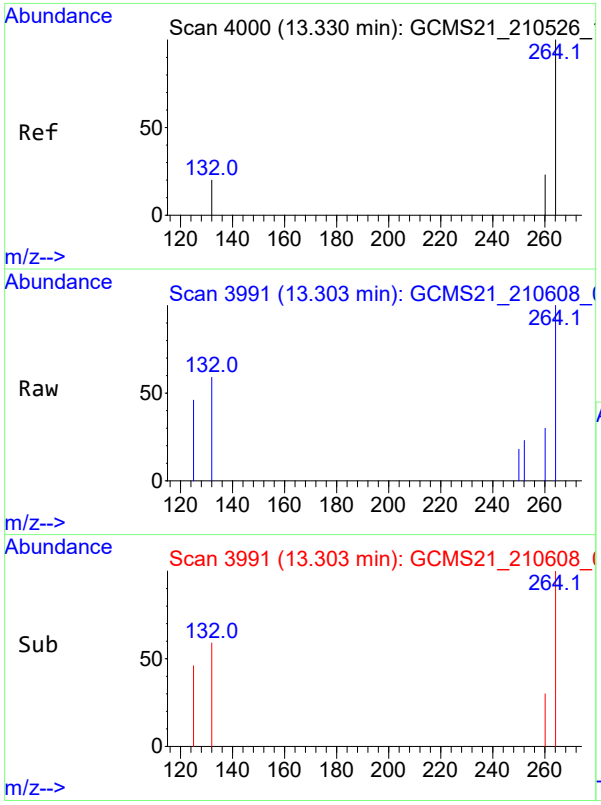


#25
Benzo(e)pyrene
Concen: 203.69 ng/mL
RT: 13.257 min Scan# 3975
Delta R.T. 0.026 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 228957

Ion	Ratio	Lower	Upper
252	100		
250	31.7	2.3	62.3
125	39.1	0.0	46.1

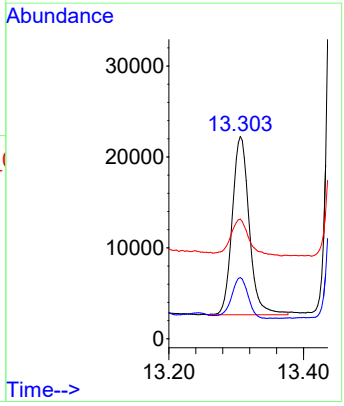


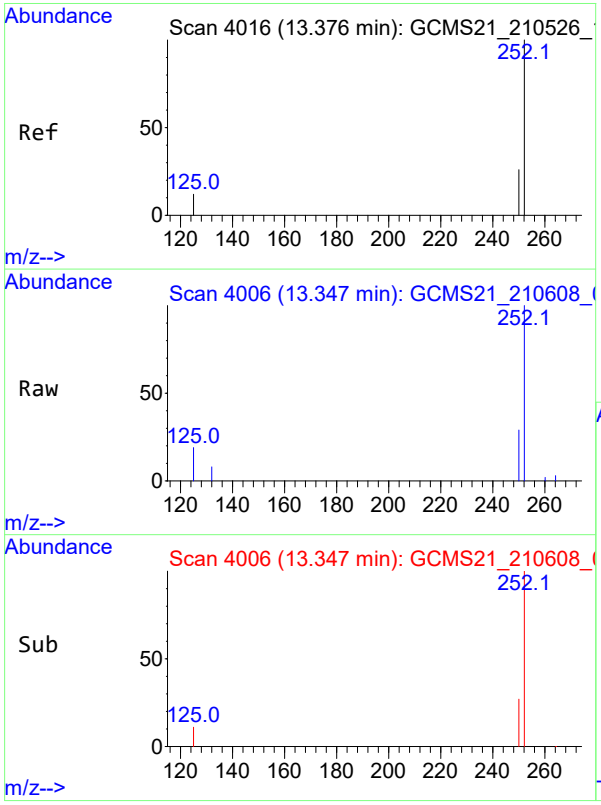


#26
Benzo(a)pyrene-D12
Concen: 39.04 ng/mL
RT: 13.303 min Scan# 3991
Delta R.T. 0.026 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:264 Resp: 34056

Ion	Ratio	Lower	Upper
264	100		
260	28.1	0.0	53.0
132	22.4	0.0	49.8

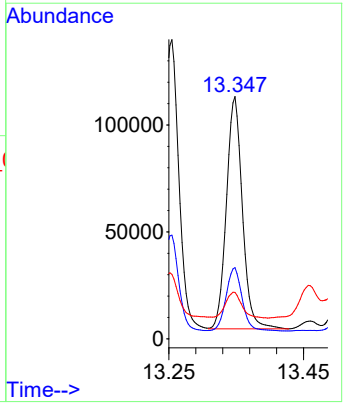


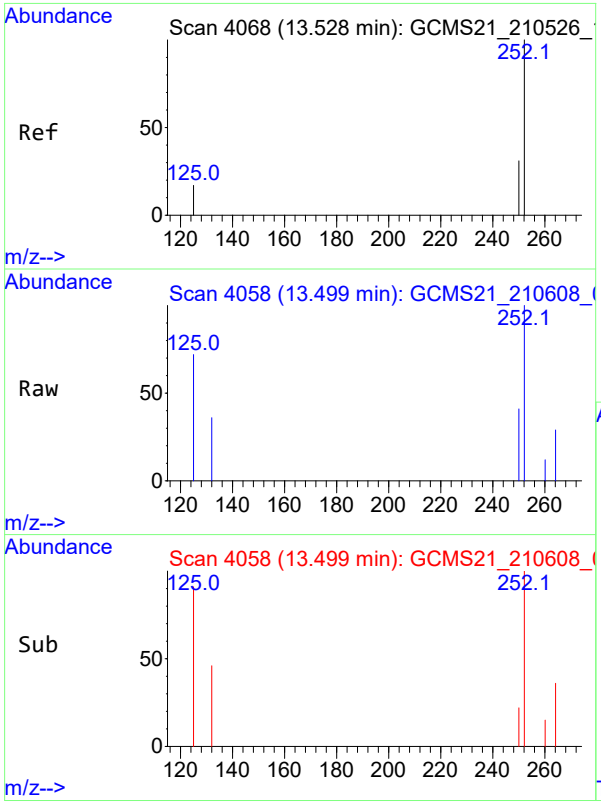


#27
Benzo(a)pyrene
Concen: 170.20 ng/mL
RT: 13.347 min Scan# 4006
Delta R.T. 0.026 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 173110

Ion	Ratio	Lower	Upper
252	100		
250	27.4	0.0	56.6
125	11.3	0.0	42.1

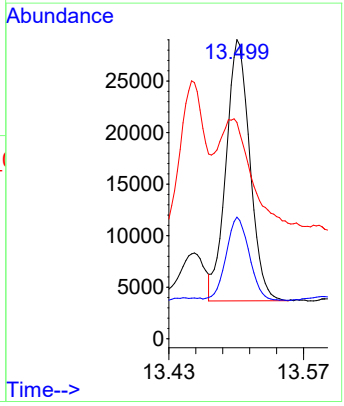


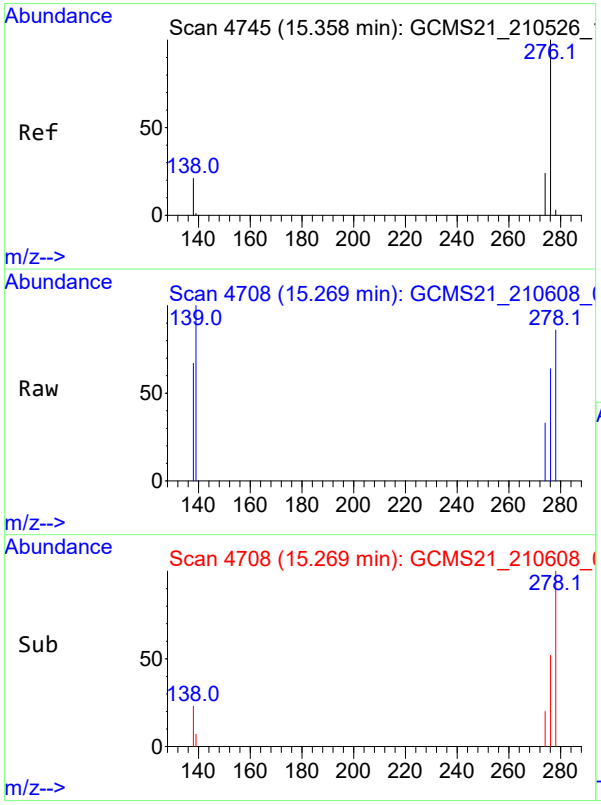


#28
Perylene
Concen: 37.72 ng/mL
RT: 13.499 min Scan# 4058
Delta R.T. 0.023 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:252 Resp: 43080

Ion	Ratio	Lower	Upper
252	100		
250	31.0	1.2	61.2
125	125.4	0.0	46.7#

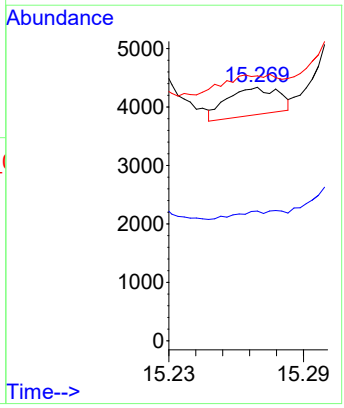


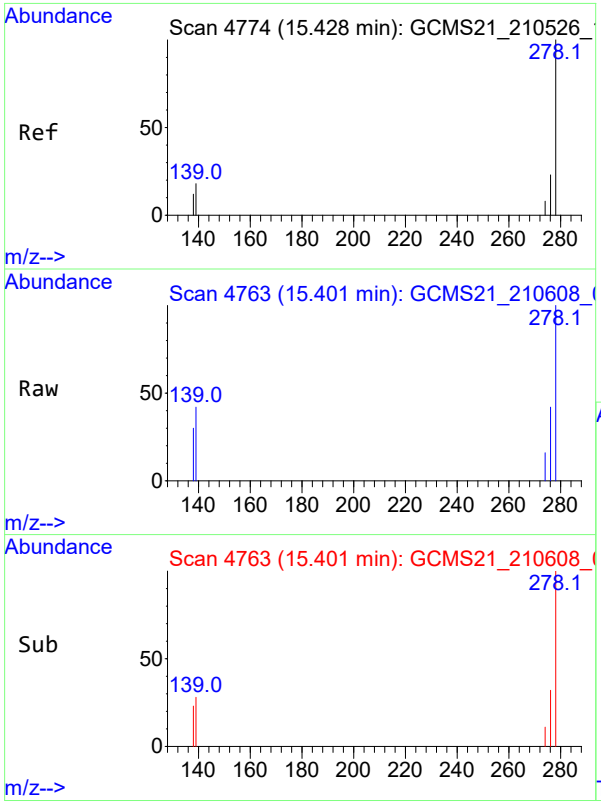


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.77 ng/mL
RT: 15.269 min Scan# 4708
Delta R.T. -0.031 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:276 Resp: 672

Ion	Ratio	Lower	Upper
276	100		
274	49.4	0.0	53.4
138	81.5	0.0	51.2#

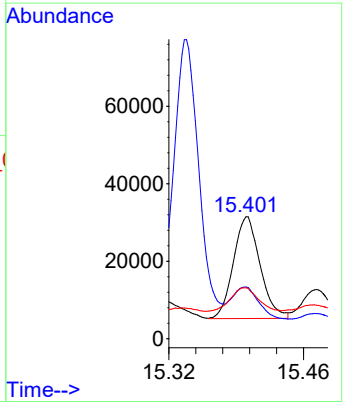


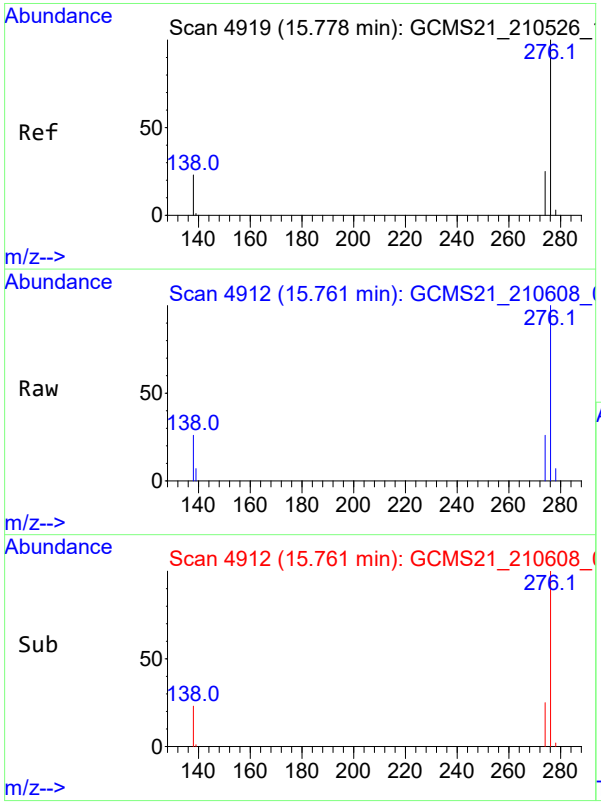


#30
Dibenz(a,h)anthracene
Concen: 61.49 ng/mL
RT: 15.401 min Scan# 4763
Delta R.T. 0.029 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:278 Resp: 53340

Ion	Ratio	Lower	Upper
278	100		
276	36.7	0.0	58.4
139	25.4	0.0	47.7

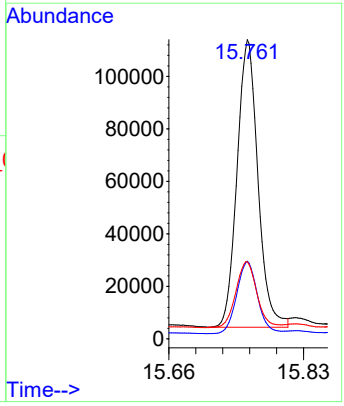




#31
Benzo(g,h,i)perylene
Concen: 183.37 ng/mL
RT: 15.761 min Scan# 4912
Delta R.T. 0.036 min
Lab File: GCMS21_210608_05.D
Acq: 08 Jun 2021 10:23

Tgt Ion:276 Resp: 207362

Ion	Ratio	Lower	Upper
276	100		
274	25.0	0.0	54.3
138	23.2	0.0	53.0



Quantitation Report (Qedit)

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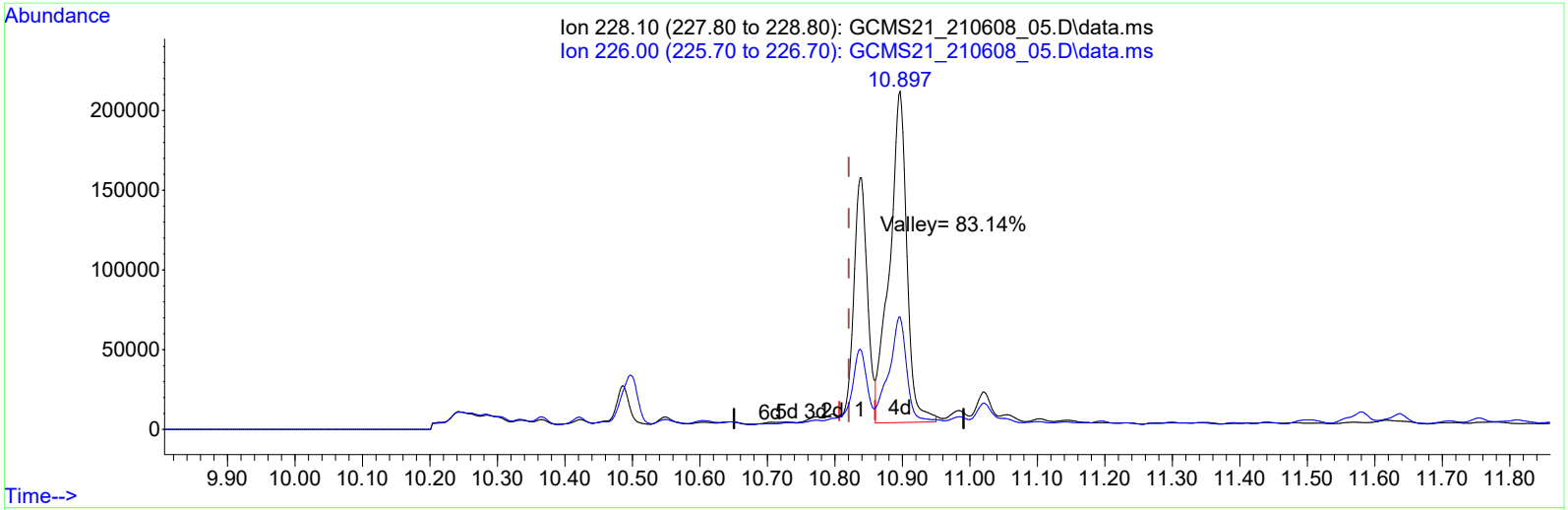
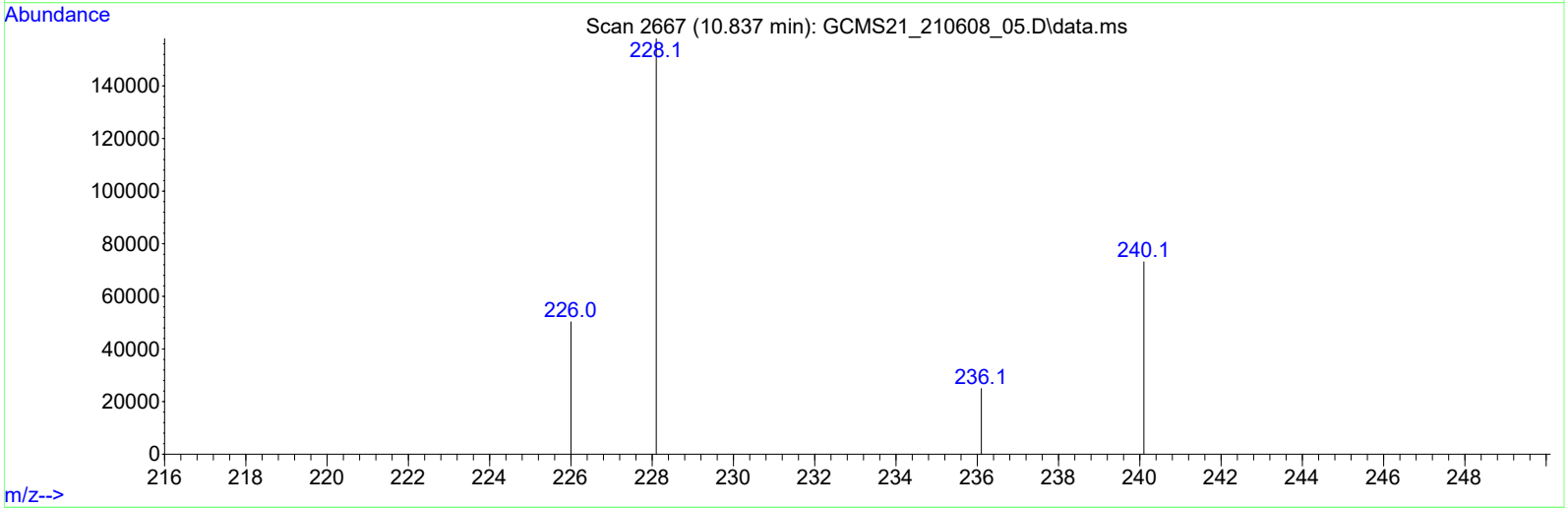
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_05.D
Acq On : 08 Jun 2021 10:23 am
Operator : MN GCMS21
Sample : 2105001-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 10:47:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_05.D\data.ms

(19) Benzo(a)anthracene (M)

10.837min (+ 0.016) 187.56 ng/mL

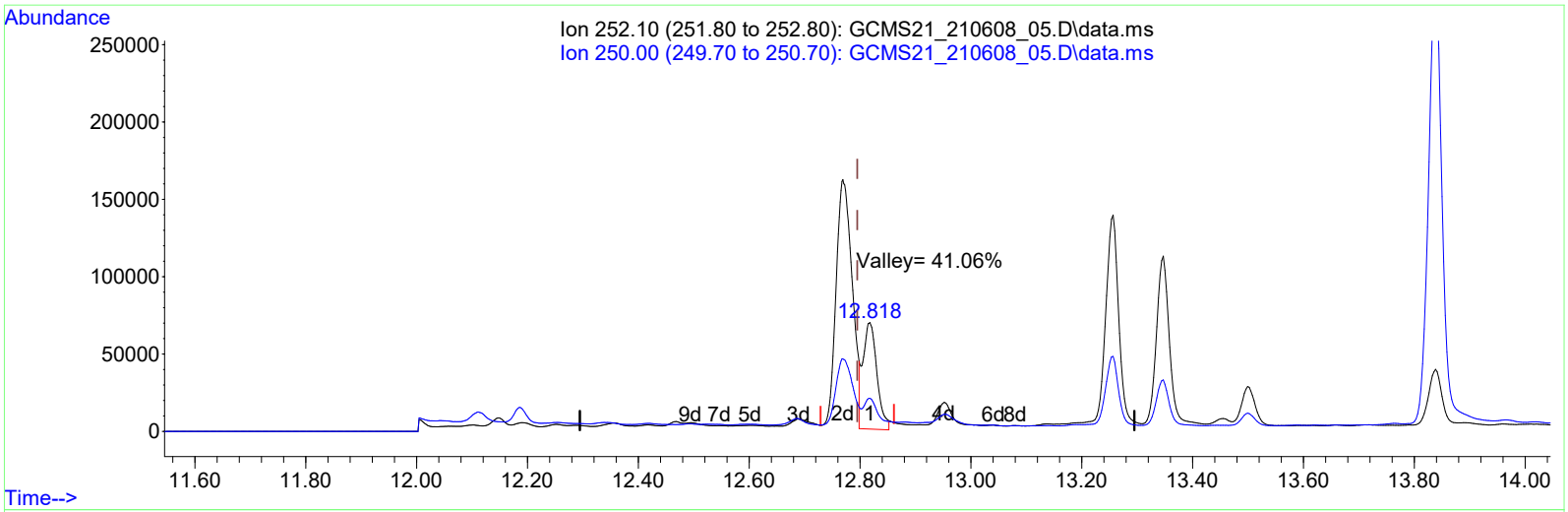
response 214846

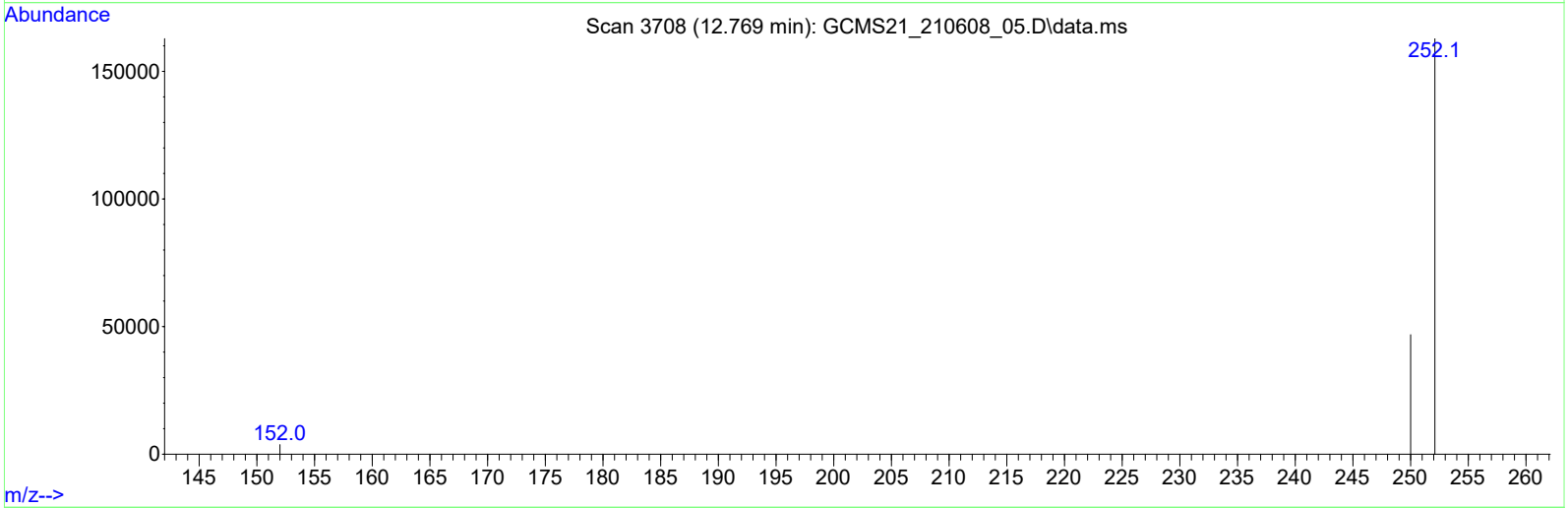
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.90	33.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_05.D
Acq On : 08 Jun 2021 10:23 am
Operator : MN GCMS21
Sample : 2105001-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 10:47:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_05.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.769min (-0.026) 357.08 ng/mL m

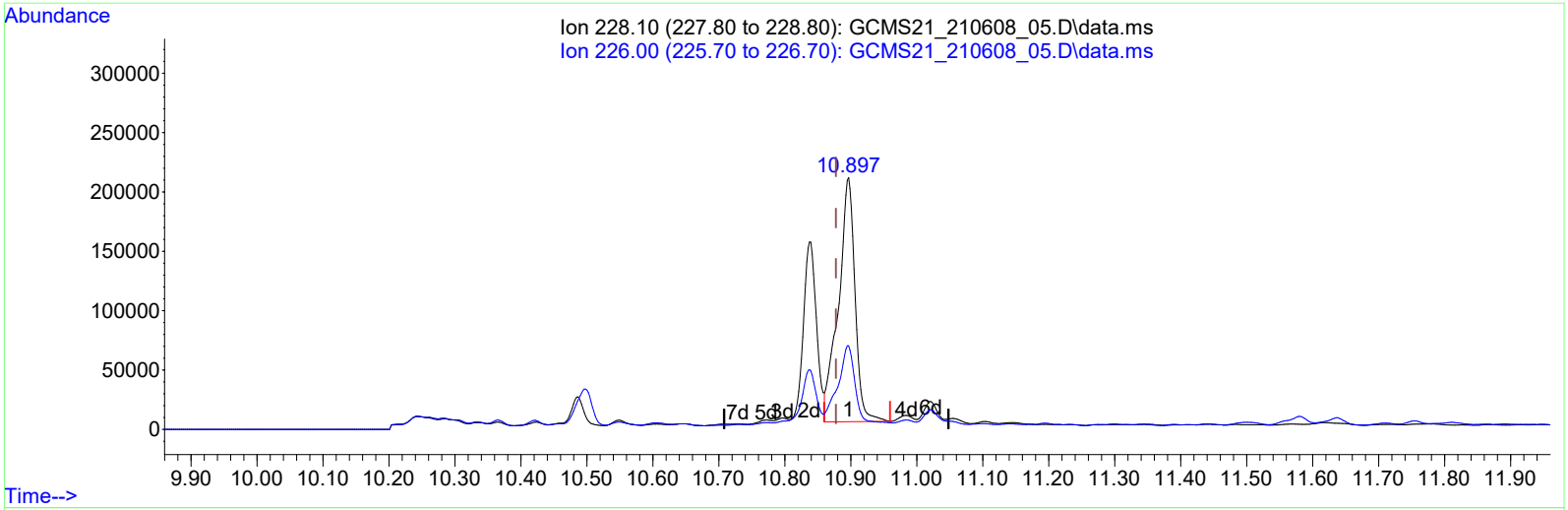
response 432393

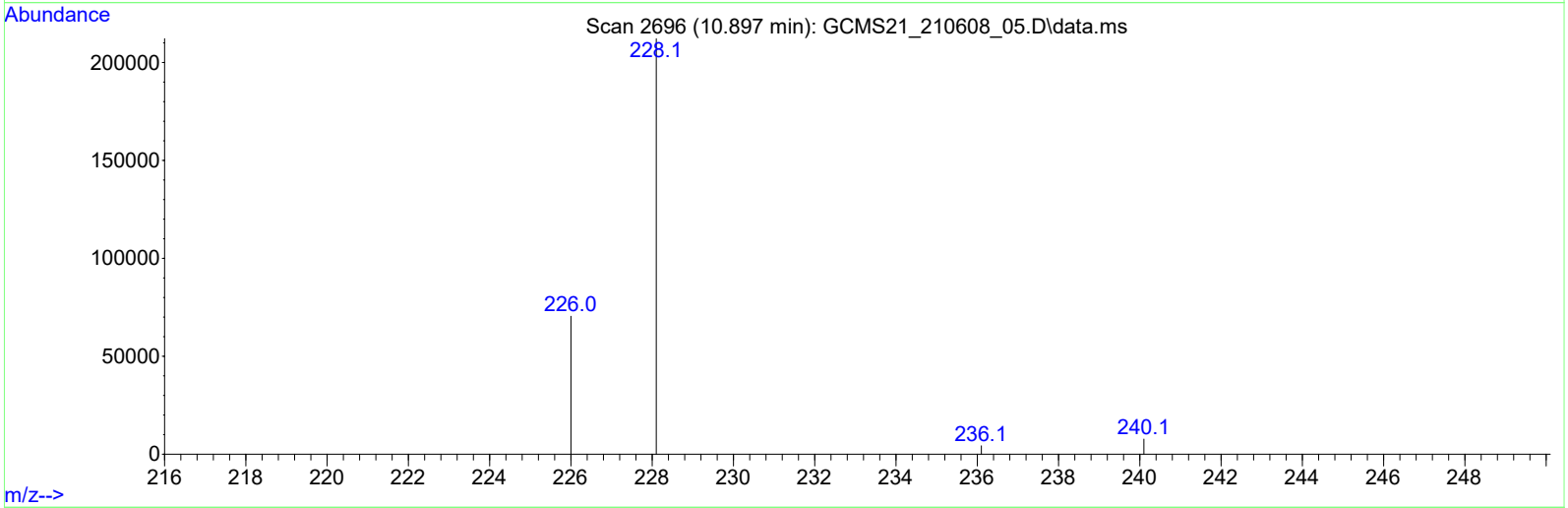
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	28.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_05.D
Acq On : 08 Jun 2021 10:23 am
Operator : MN GCMS21
Sample : 2105001-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 10:47:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_05.D\data.ms

(20) Chrysene (M)

10.897min (+ 0.018) 254.26 ng/mL

response 359577

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	32.80	32.57
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_06.D
Acq On : 08 Jun 2021 10:48
Operator : MN GCMS21
Sample : 2105001-03
Misc : ~~2X 100µL in 100µL DL solvent 21D3002~~
ALS Vial : 6 Sample Multiplier: 1

sample was injected from original extraction. No diluted MN 07.01.2021

Phenanthrene and Fluoranthene were above the ICal, sample runs after was not reported for these analytes. MN 7.28.21

Quant Time: Jul 01 10:47:48 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.271	136	472760	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.073	164	291348	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.620	188	602195	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.856	240	647368	500.00	ng/mL	0.02
21) PERYLENE-D12	13.461	264	675775	500.00	ng/mL	0.03
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.615	176	173316	248.47	ng/mL	0.00
14) Fluoranthene-D10	8.878	212	336183	257.82	ng/mL	0.01
17) Pyrene-D10	9.112	212	349836	236.85	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.306	264	32855	29.92	ng/mL	0.03
Target Compounds						Qvalue
2) Naphthalene	4.292	128	151294	166.79	ng/mL	98
4) 2-Methylnaphthalene	5.001	142	192829	288.65	ng/mL	99
5) 1-Methylnaphthalene	5.097	142	91196	163.89	ng/mL	97
7) Acenaphthylene	5.922	152	22774	23.55	ng/mL	76
8) Acenaphthene	6.103	153	178738	241.48	ng/mL	99
10) Fluorene	6.645	166	544942	665.13	ng/mL	97
12) Phenanthrene	7.647	178	3329464	2290.85	ng/mL	99
13) Anthracene	7.699	178	300984	249.06	ng/mL	87
15) Fluoranthene	8.899	202	1770824	1154.46	ng/mL	98
18) Pyrene	9.132	202	1053429	610.56	ng/mL	83
19) Benzo(a)anthracene	10.839	228	253018	194.31	ng/mL	93
20) Chrysene	10.899	228	404378	251.54	ng/mL	99
22) Benzo(b)fluoranthene	12.772	252	382613	272.76	ng/mL	97
23) Benzo(k)fluoranthene	12.821	252	122839m	79.02	ng/mL	
24) benzo(b+k)fluoranthene...	12.772	252	501363m	328.94	ng/mL	
25) Benzo(e)pyrene	13.257	252	254187	179.66	ng/mL	100
27) Benzo(a)pyrene	13.350	252	217650	170.01	ng/mL	98
28) Perylene	13.505	252	53655m	37.32	ng/mL	
29) Indeno(1,2,3-cd)pyrene	15.339	276	167829m	153.20	ng/mL	
30) Dibenz(a,h)anthracene	15.406	278	60782	55.67	ng/mL	81
31) Benzo(g,h,i)perylene	15.765	276	227648	159.94	ng/mL	99

Highlight analytes are above ICAL MN 07.01.21

#23) P, C. Integrated by MN, 7.1.21, coded KL 7.29.21 in 2nd review.

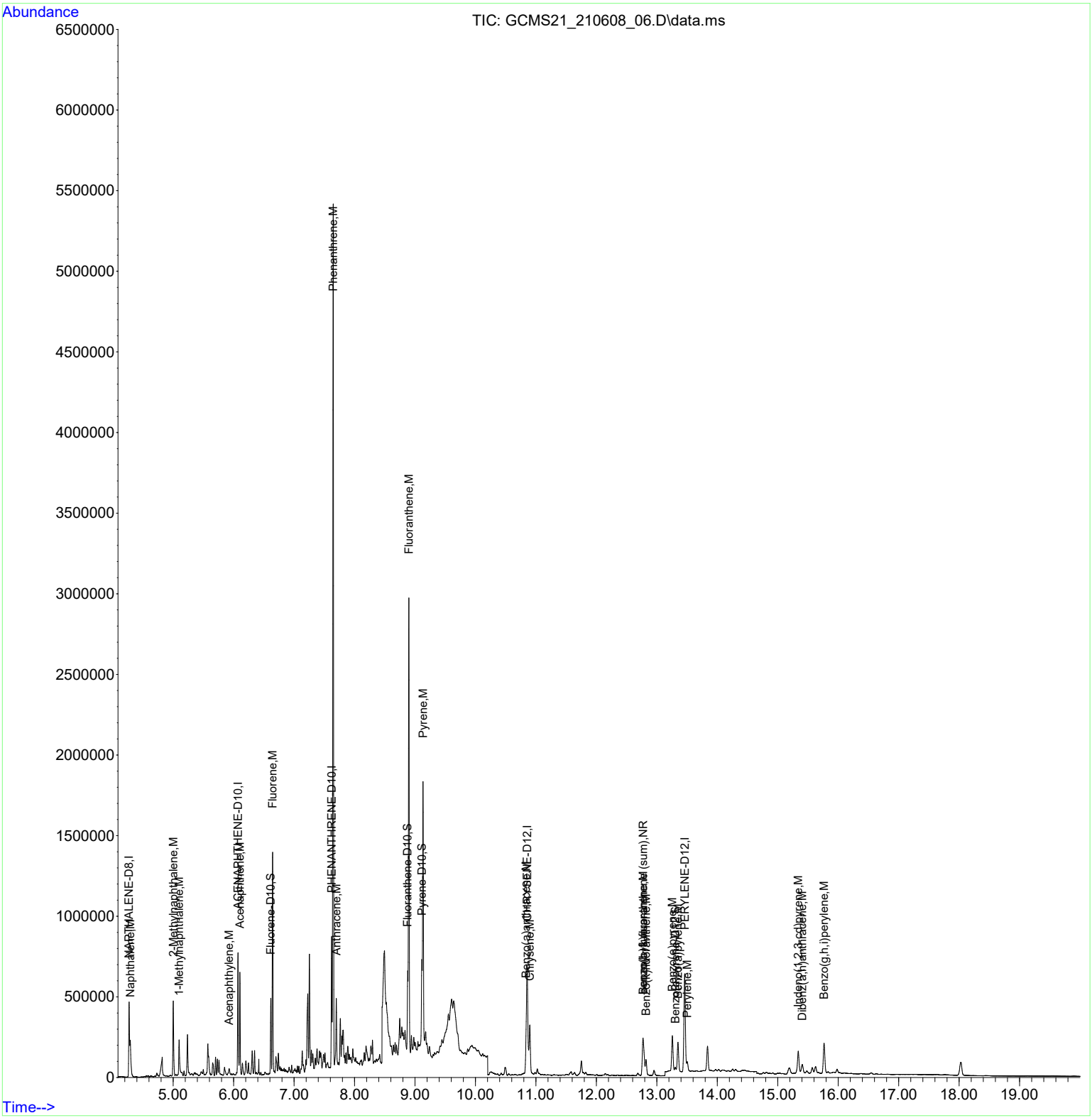
#28 and #29) P, D. Integrated by MN, 7.1.21, coded KL 7.29.21 in 2nd review.

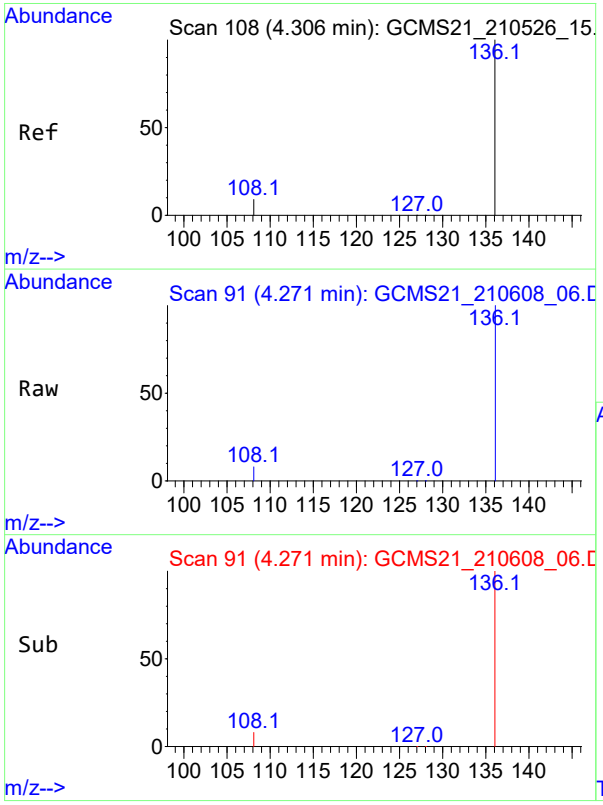
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_06.D
Acq On : 08 Jun 2021 10:48
Operator : MN GCMS21
Sample : 2105001-03
Misc : 2X 100µL in 100µL DL solvent 21D3002
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 10:47:48 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

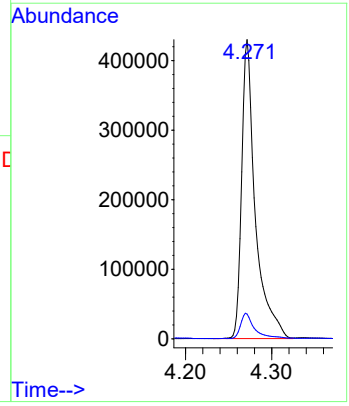


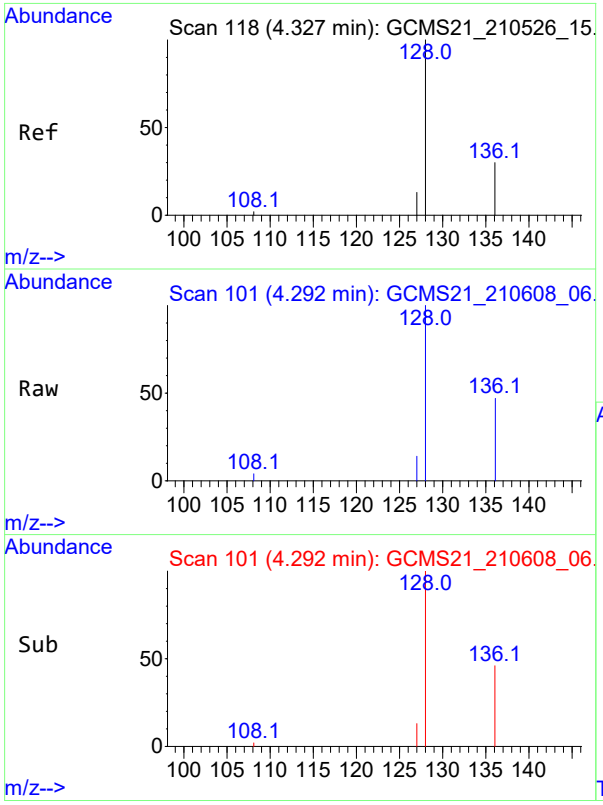


#1
NAPHTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.271 min Scan# 91
Delta R.T. -0.004 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:136 Resp: 472760

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	28.3

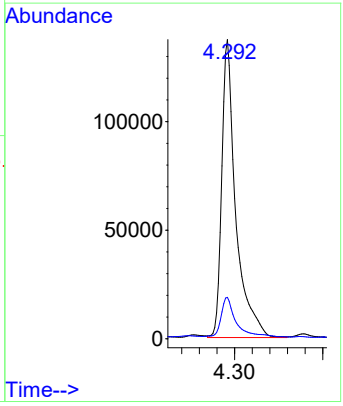


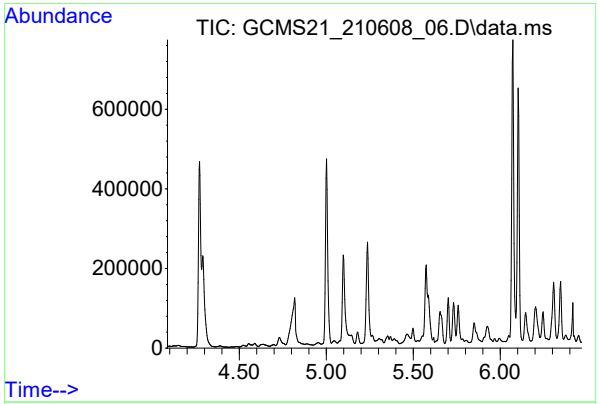


#2
Naphthalene
Concen: 166.79 ng/mL
RT: 4.292 min Scan# 101
Delta R.T. -0.004 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:128 Resp: 151294

Ion	Ratio	Lower	Upper
128	100		
127	14.3	0.0	43.3



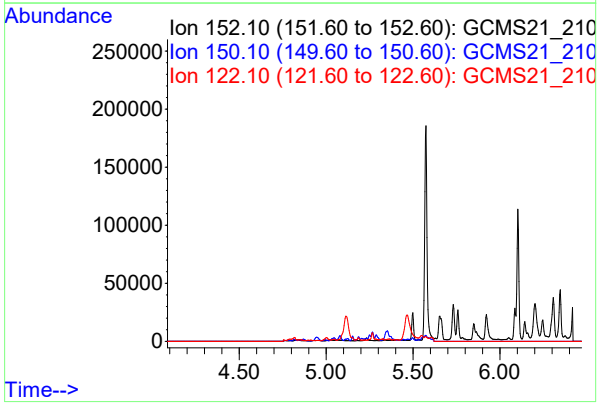


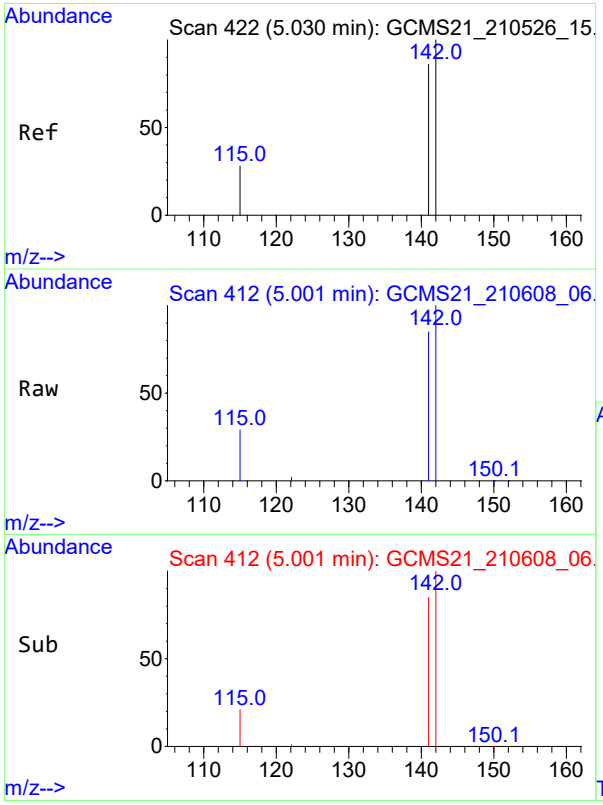
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.97 min

Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5

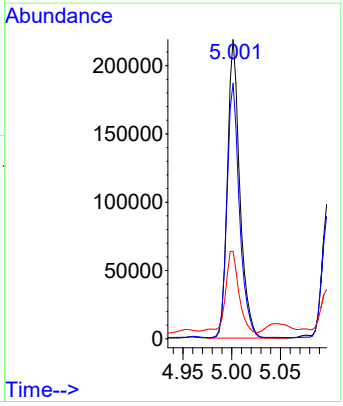


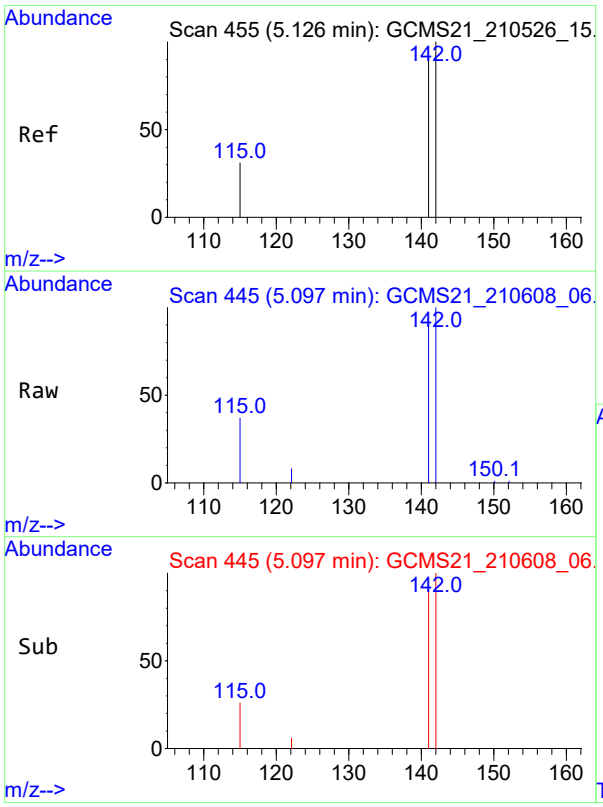


#4
2-Methylnaphthalene
Concen: 288.65 ng/mL
RT: 5.001 min Scan# 412
Delta R.T. -0.000 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:142 Resp: 192829

Ion	Ratio	Lower	Upper
142	100		
141	85.8	56.3	116.3
115	29.1	0.0	57.4

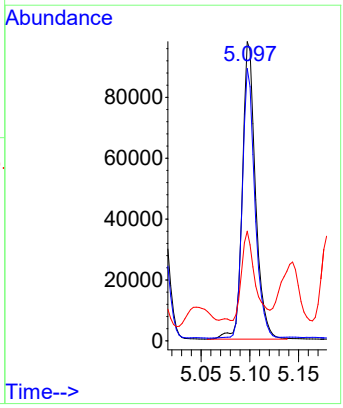


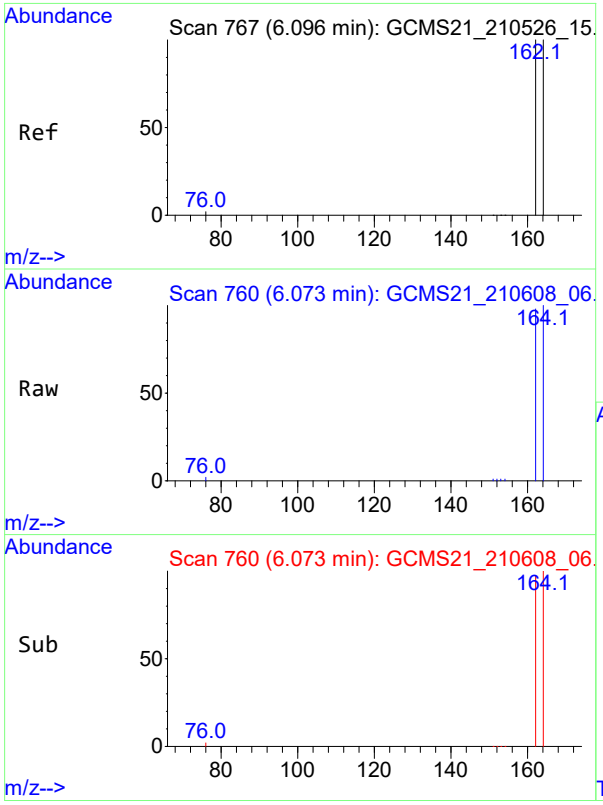


#5
1-Methylnaphthalene
Concen: 163.89 ng/mL
RT: 5.097 min Scan# 445
Delta R.T. -0.000 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:142 Resp: 91196

Ion	Ratio	Lower	Upper
142	100		
141	87.3	61.5	121.5
115	30.5	0.2	60.2

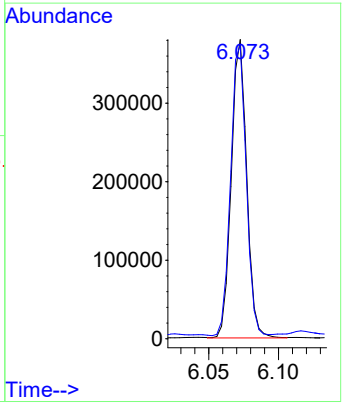


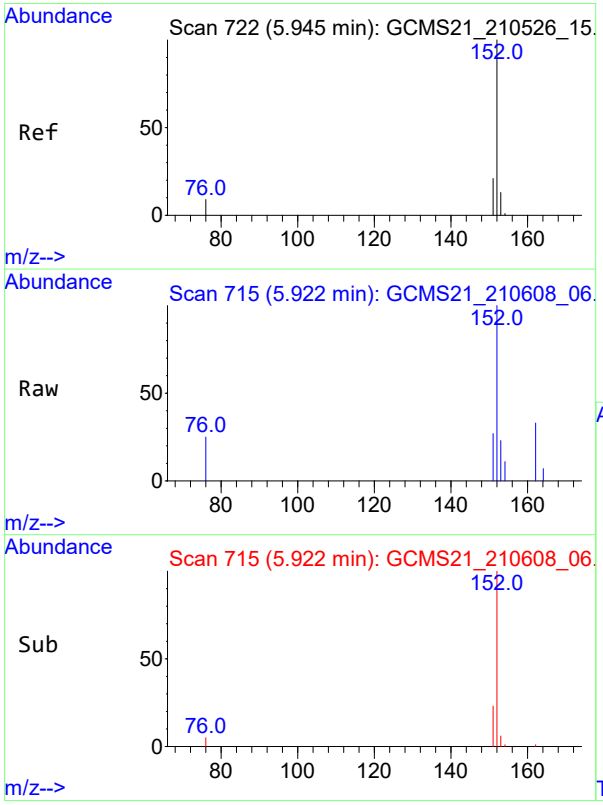


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.073 min Scan# 760
Delta R.T. 0.003 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:164 Resp: 291348

Ion	Ratio	Lower	Upper
164	100		
162	98.5	77.7	117.7

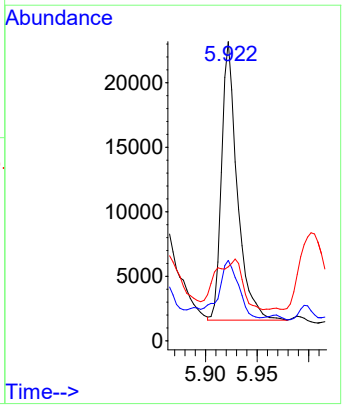


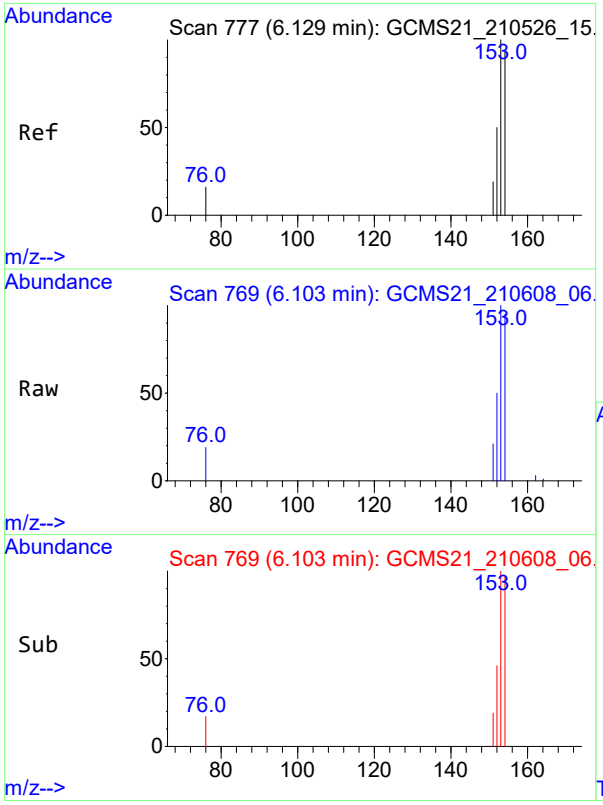


#7
Acenaphthylene
Concen: 23.55 ng/mL
RT: 5.922 min Scan# 715
Delta R.T. 0.007 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:152 Resp: 22774

Ion	Ratio	Lower	Upper
152	100		
151	25.8	0.0	52.0
76	31.3	0.0	39.5

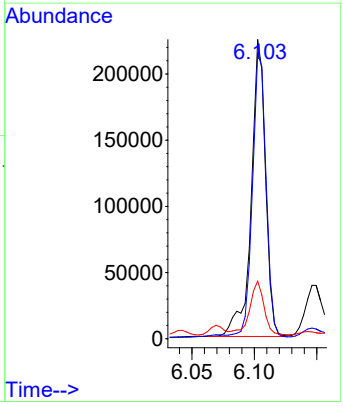


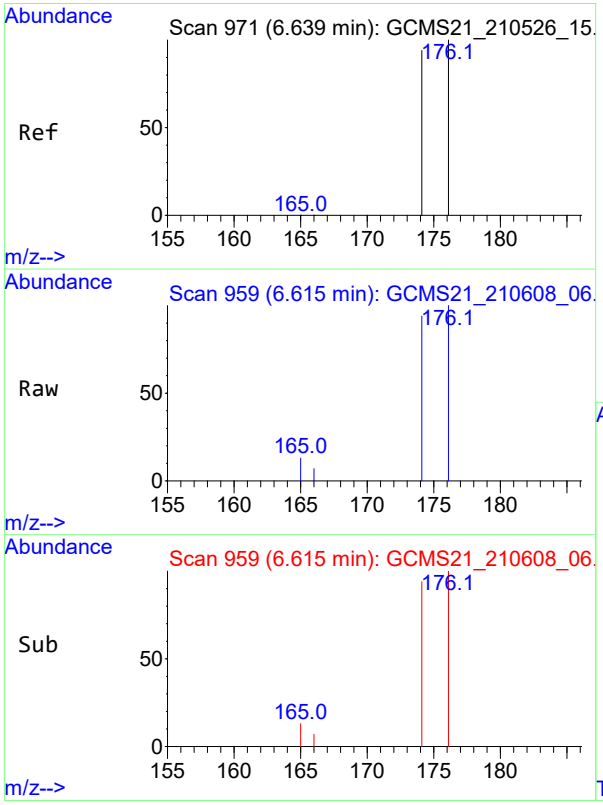


#8
Acenaphthene
Concen: 241.48 ng/mL
RT: 6.103 min Scan# 769
Delta R.T. 0.003 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:153 Resp: 178738

Ion	Ratio	Lower	Upper
153	100		
154	90.9	60.4	120.4
76	18.1	0.0	47.4

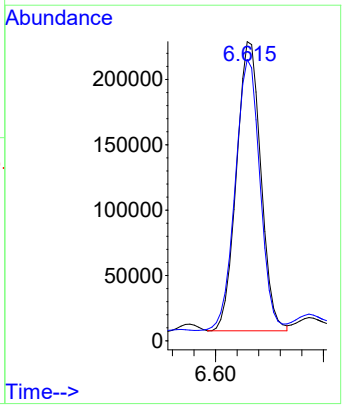


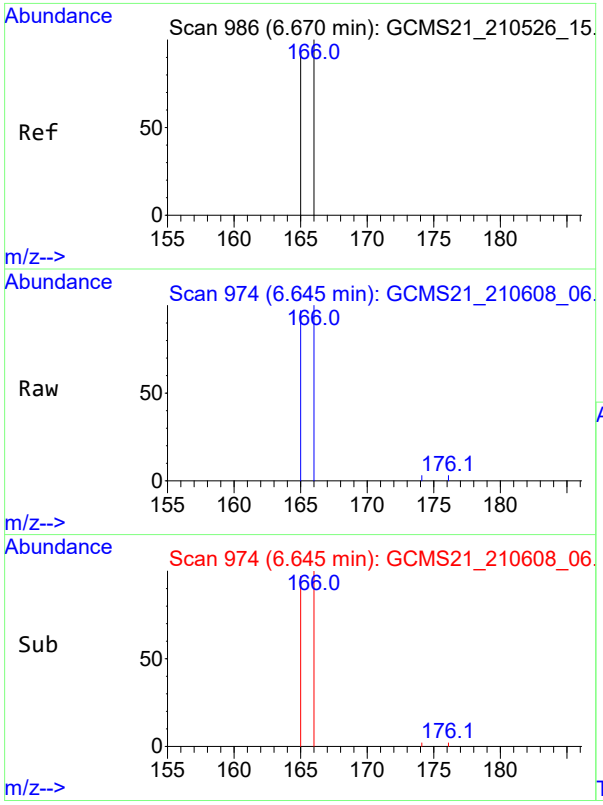


#9
Fluorene-D10
Concen: 248.47 ng/mL
RT: 6.615 min Scan# 959
Delta R.T. 0.004 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:176 Resp: 173316

Ion	Ratio	Lower	Upper
176	100		
174	102.1	63.9	123.9

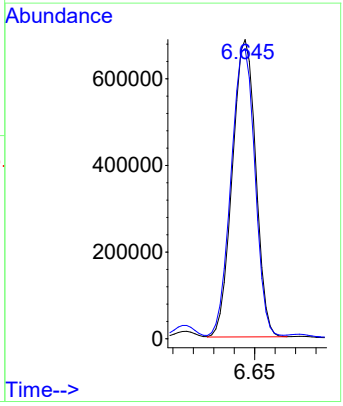


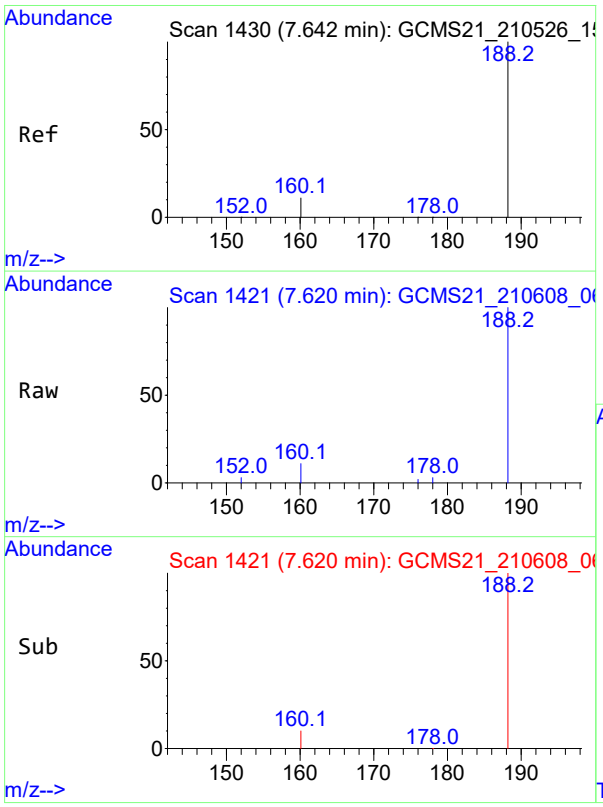


#10
Fluorene
Concen: 665.13 ng/mL
RT: 6.645 min Scan# 974
Delta R.T. 0.004 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:166 Resp: 544942

Ion	Ratio	Lower	Upper
166	100		
165	98.1	65.1	125.1

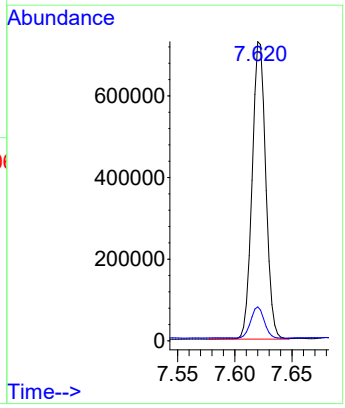


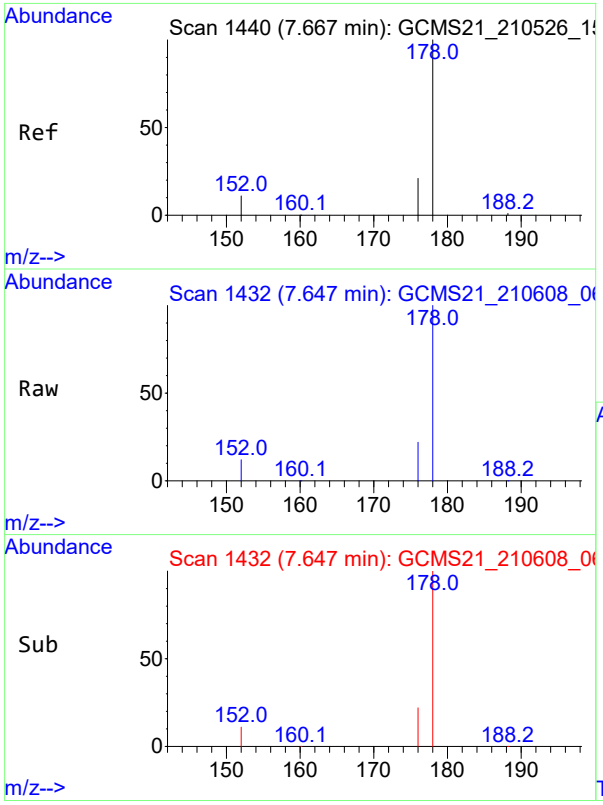


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.620 min Scan# 1421
Delta R.T. 0.005 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:188 Resp: 602195

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	39.8

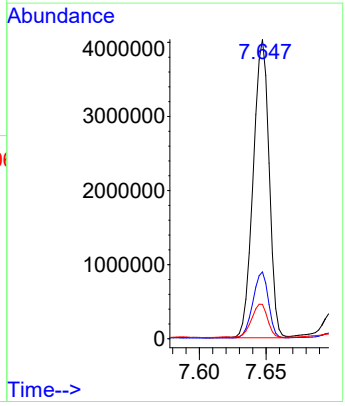


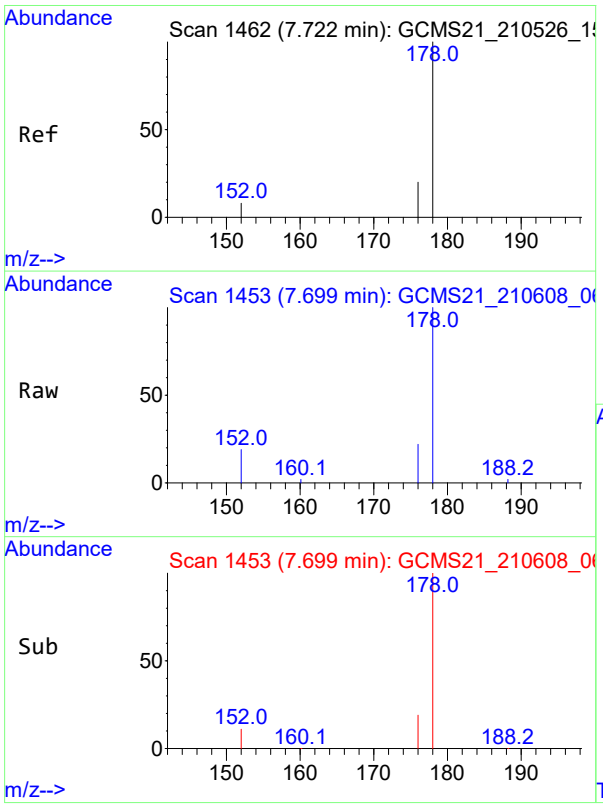


#12
Phenanthrene
Concen: 2290.85 ng/mL
RT: 7.647 min Scan# 1432
Delta R.T. 0.010 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:178 Resp: 3329464

Ion	Ratio	Lower	Upper
178	100		
176	21.5	0.0	51.1
152	11.1	0.0	40.6

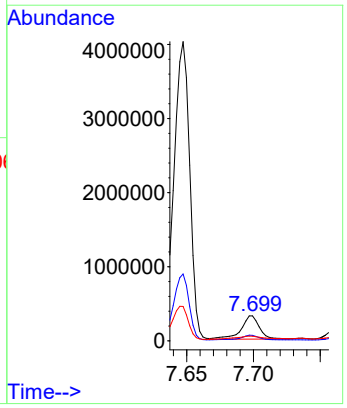


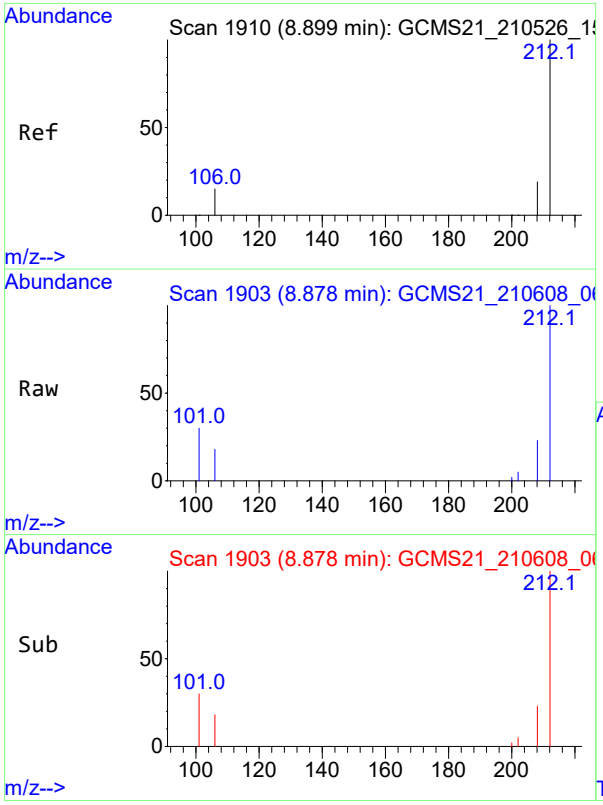


#13
Anthracene
Concen: 249.06 ng/mL
RT: 7.699 min Scan# 1453
Delta R.T. 0.007 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:178 Resp: 300984

Ion	Ratio	Lower	Upper
178	100		
176	21.4	0.0	50.4
152	22.4	0.0	38.3

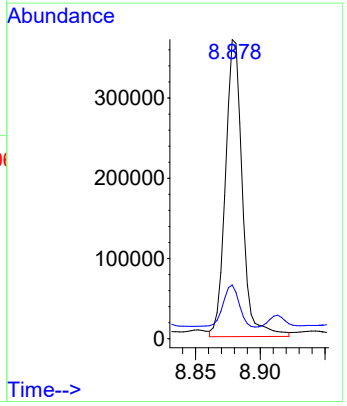


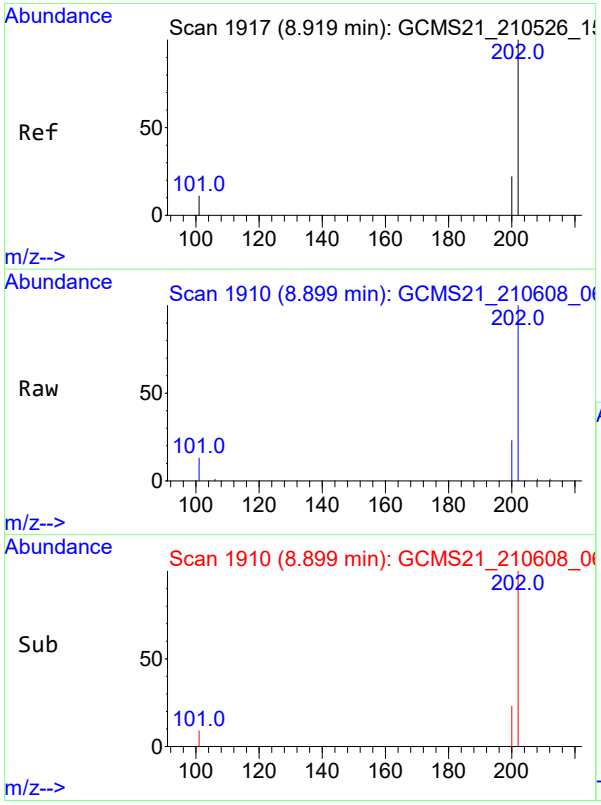


#14
Fluoranthene-D10
Concen: 257.82 ng/mL
RT: 8.878 min Scan# 1903
Delta R.T. 0.012 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:212 Resp: 336183

Ion	Ratio	Lower	Upper
212	100		
106	13.5	0.0	45.3

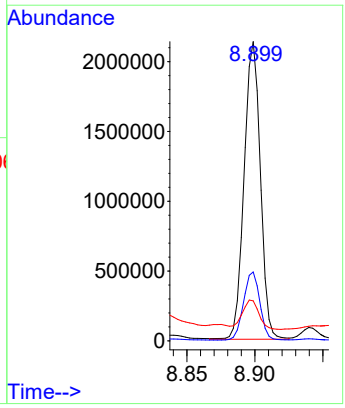


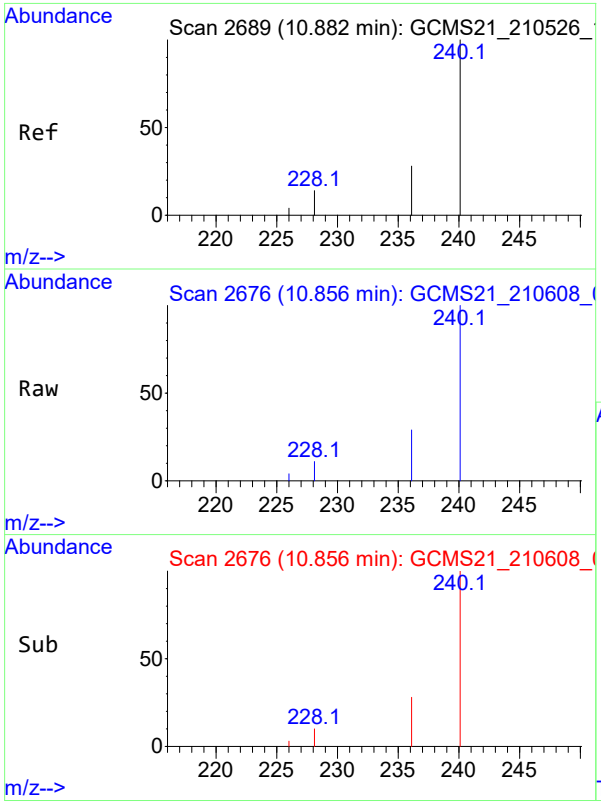


#15
Fluoranthene
Concen: 1154.46 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.012 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:202 Resp: 1770824

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.2
101	10.1	0.0	41.8

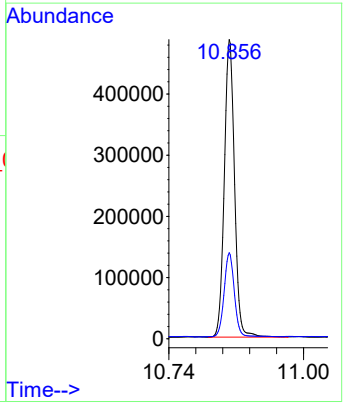


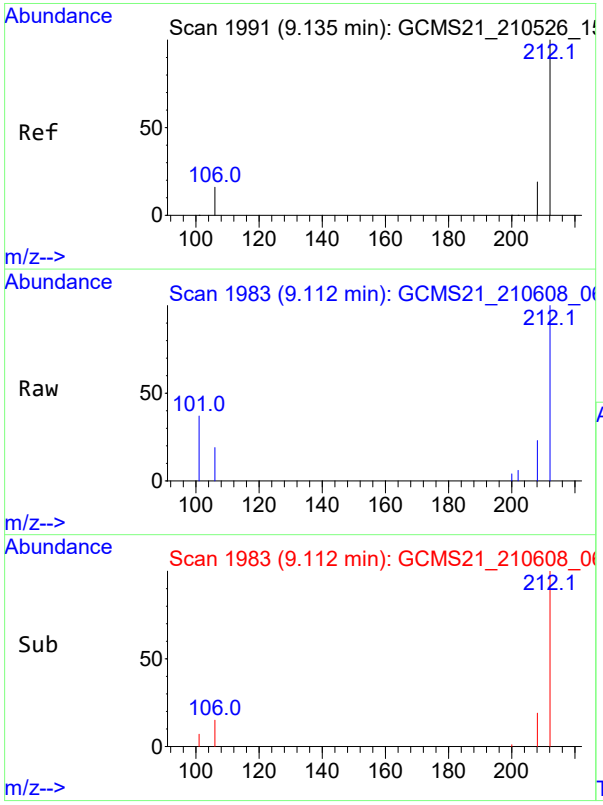


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.856 min Scan# 2676
Delta R.T. 0.018 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:240 Resp: 647368

Ion	Ratio	Lower	Upper
240	100		
236	28.1	0.0	58.6

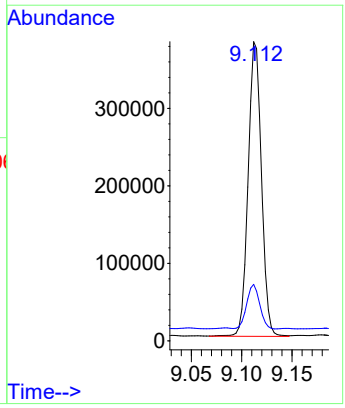


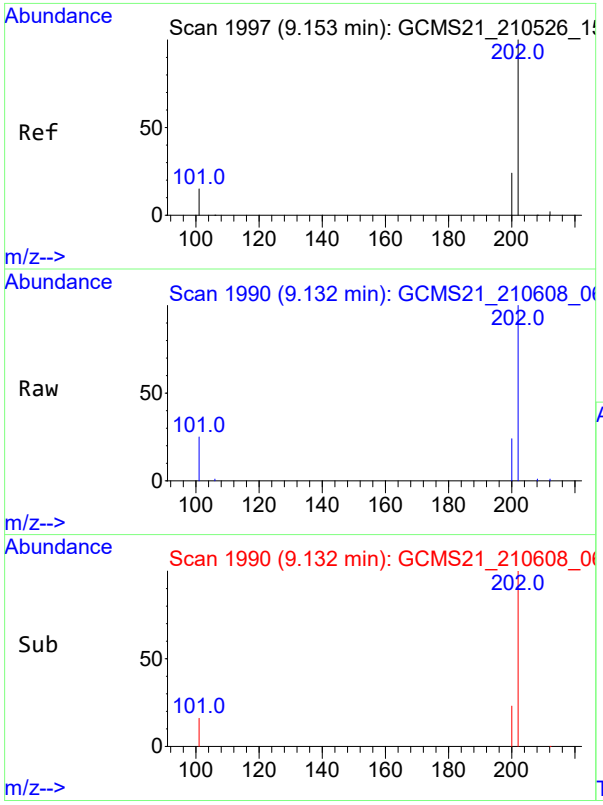


#17
Pyrene-D10
Concen: 236.85 ng/mL
RT: 9.112 min Scan# 1983
Delta R.T. 0.009 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:212 Resp: 349836

Ion	Ratio	Lower	Upper
212	100		
106	14.7	0.0	45.8

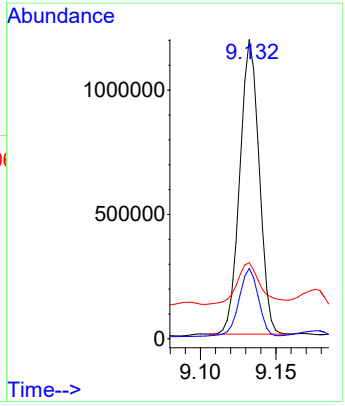


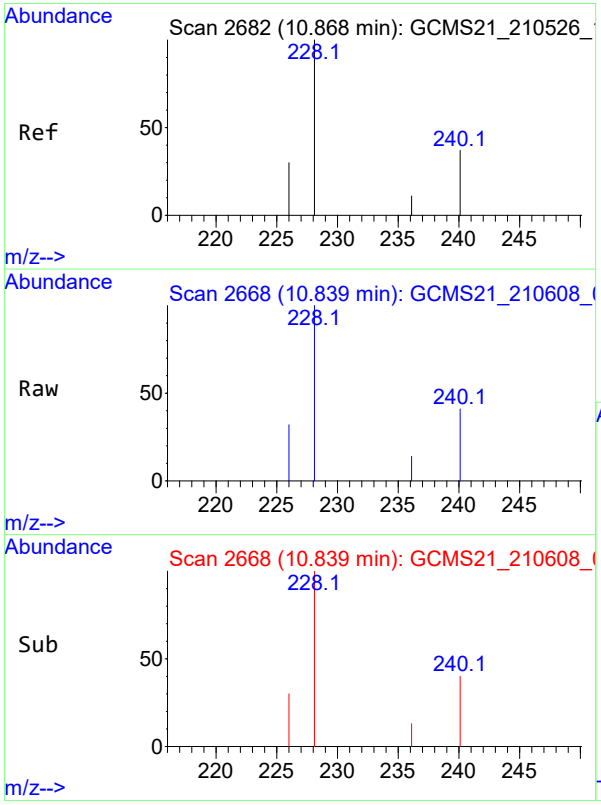


#18
Pyrene
Concen: 610.56 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. 0.012 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:202 Resp: 1053429

Ion	Ratio	Lower	Upper
202	100		
200	24.1	0.0	54.2
101	33.1	0.0	44.6

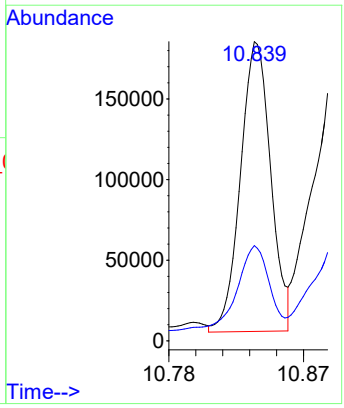


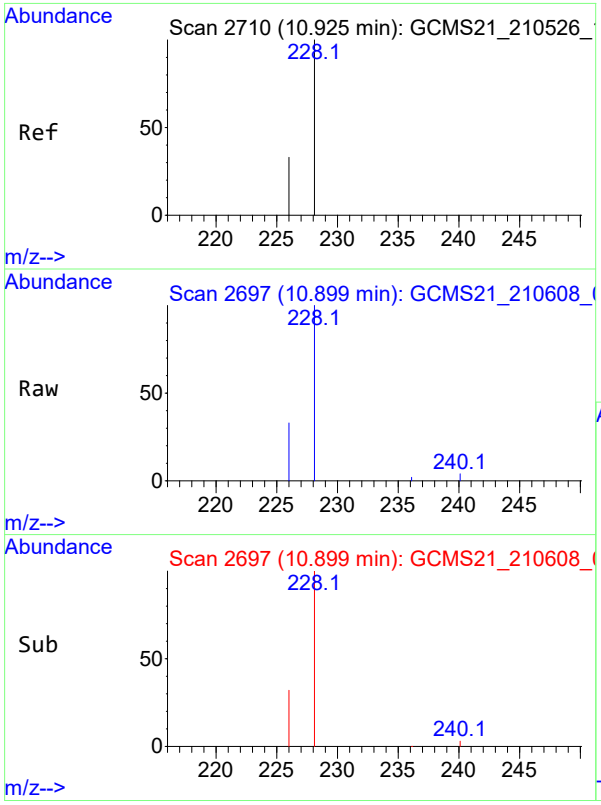


#19
Benzo(a)anthracene
Concen: 194.31 ng/mL
RT: 10.839 min Scan# 2668
Delta R.T. 0.018 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:228 Resp: 253018

Ion	Ratio	Lower	Upper
228	100		
226	33.7	0.0	59.9

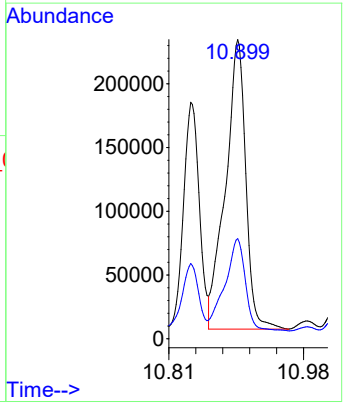


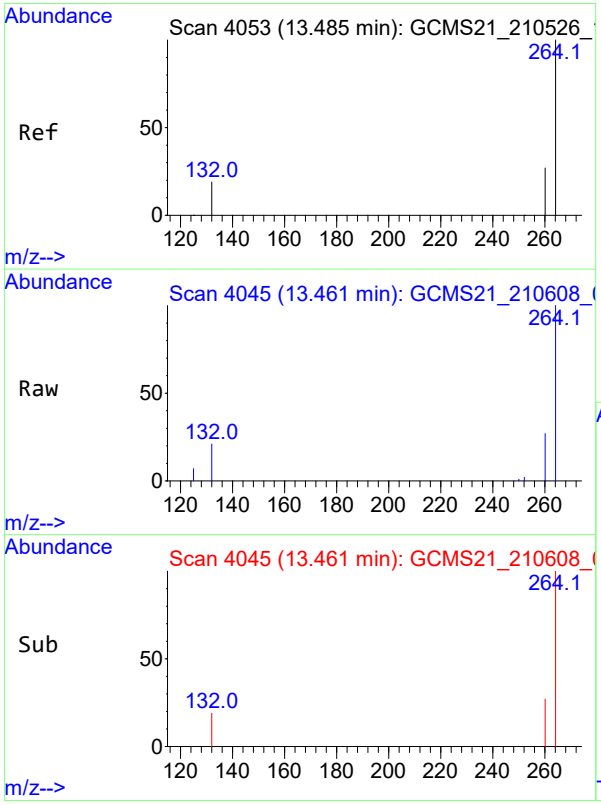


#20
Chrysene
Concen: 251.54 ng/mL
RT: 10.899 min Scan# 2697
Delta R.T. 0.020 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:228 Resp: 404378

Ion	Ratio	Lower	Upper
228	100		
226	32.5	2.8	62.8

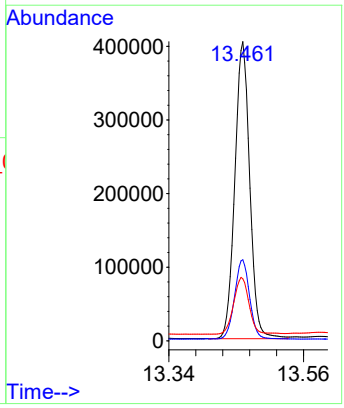


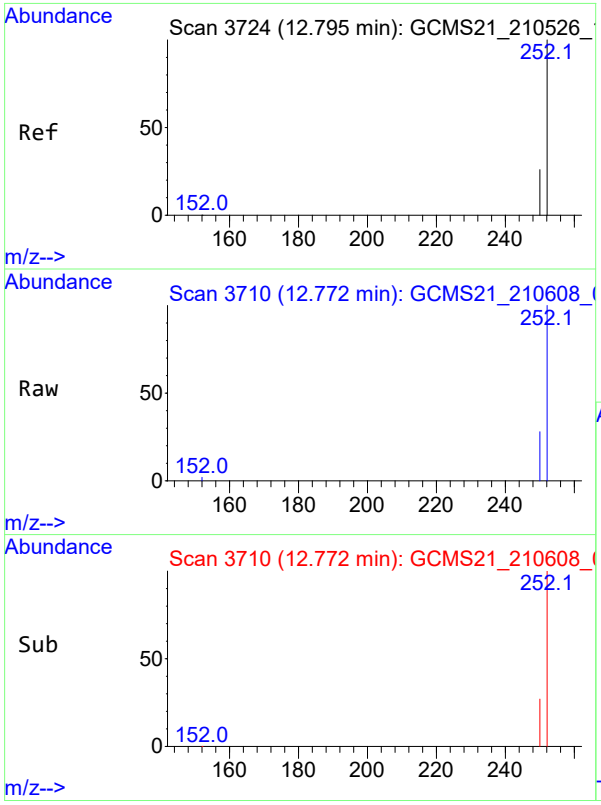


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.461 min Scan# 4045
Delta R.T. 0.032 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:264 Resp: 675775

Ion	Ratio	Lower	Upper
264	100		
260	26.9	0.0	57.5
132	19.8	0.0	49.5

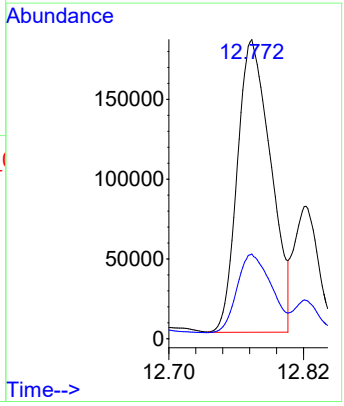


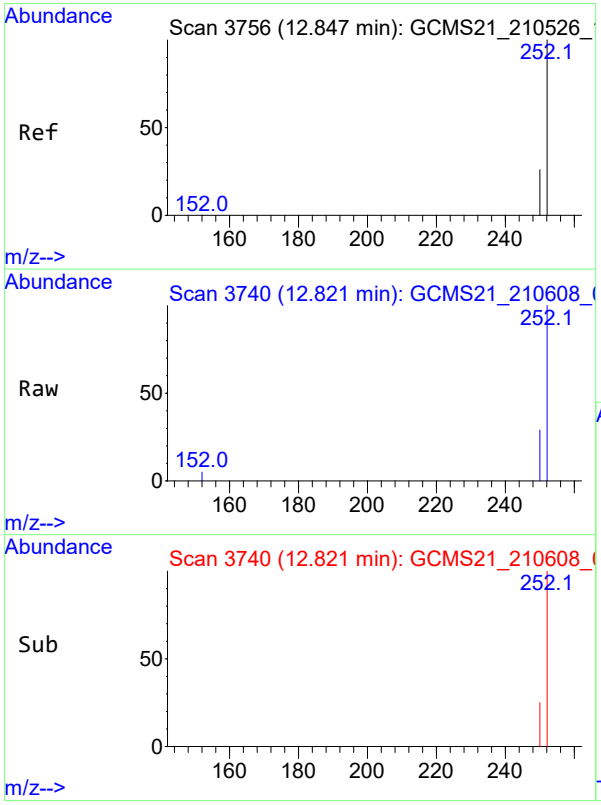


#22
Benzo(b)fluoranthene
Concen: 272.76 ng/mL
RT: 12.772 min Scan# 3710
Delta R.T. 0.031 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 382613

Ion	Ratio	Lower	Upper
252	100		
250	27.7	0.0	56.2

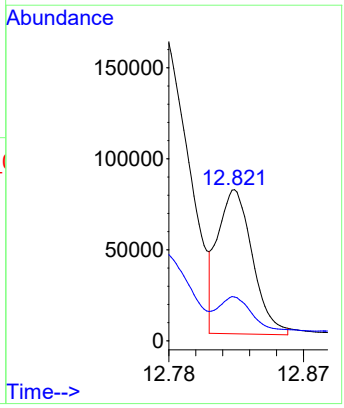


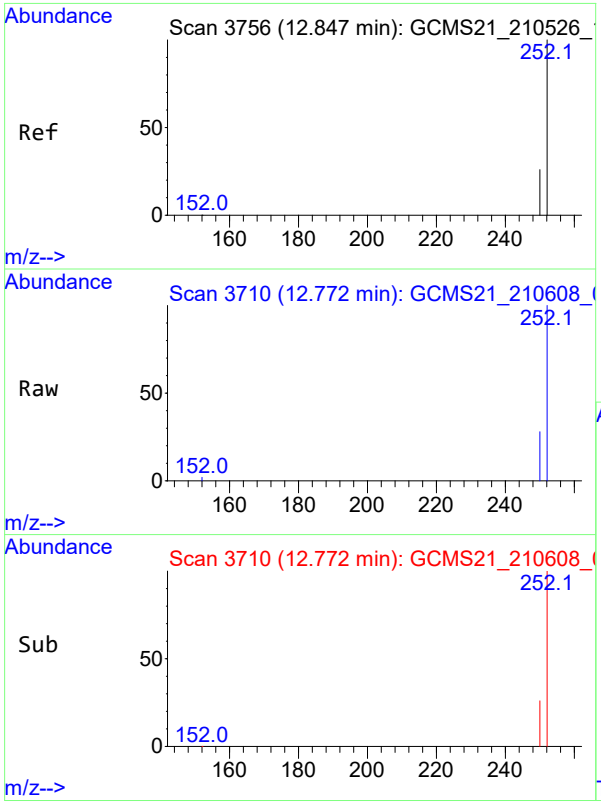


#23
Benzo(k)fluoranthene
Concen: 79.02 ng/mL m
RT: 12.821 min Scan# 3740
Delta R.T. 0.026 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 122839

Ion	Ratio	Lower	Upper
252	100		
250	86.1	0.0	55.6#

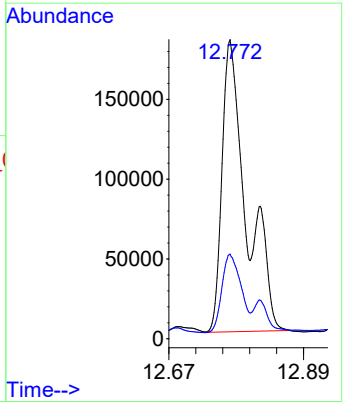


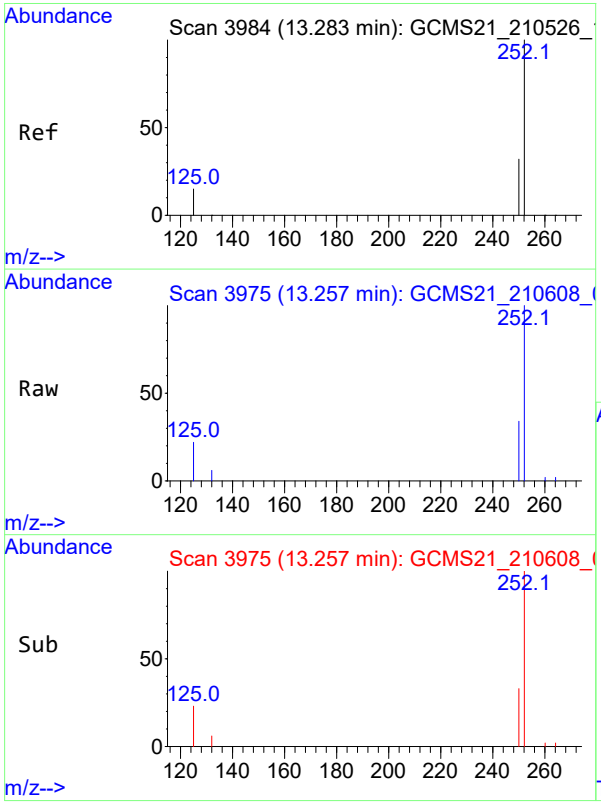


#24
benzo(b+k)fluoranthene (sum)
Concen: 328.94 ng/mL m
RT: 12.772 min Scan# 3710
Delta R.T. -0.023 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 501363

Ion	Ratio	Lower	Upper
252	100		
250	28.4	0.0	55.6

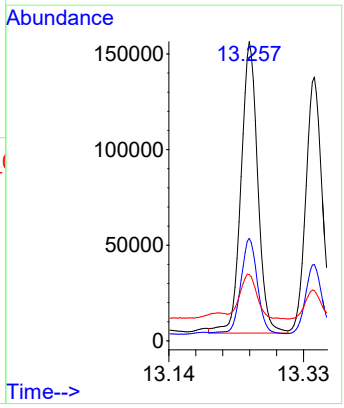


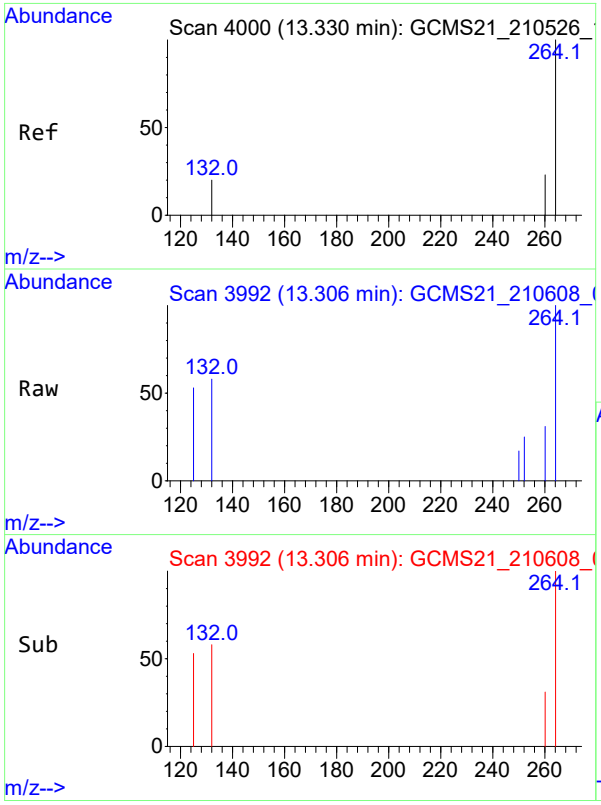


#25
Benzo(e)pyrene
Concen: 179.66 ng/mL
RT: 13.257 min Scan# 3975
Delta R.T. 0.026 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 254187

Ion	Ratio	Lower	Upper
252	100		
250	32.5	2.3	62.3
125	15.9	0.0	46.1

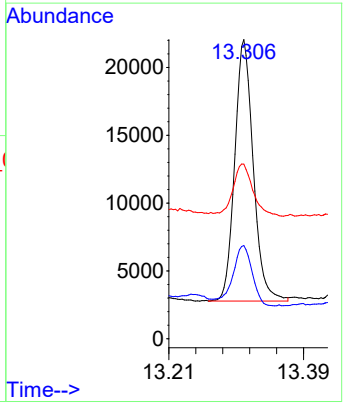


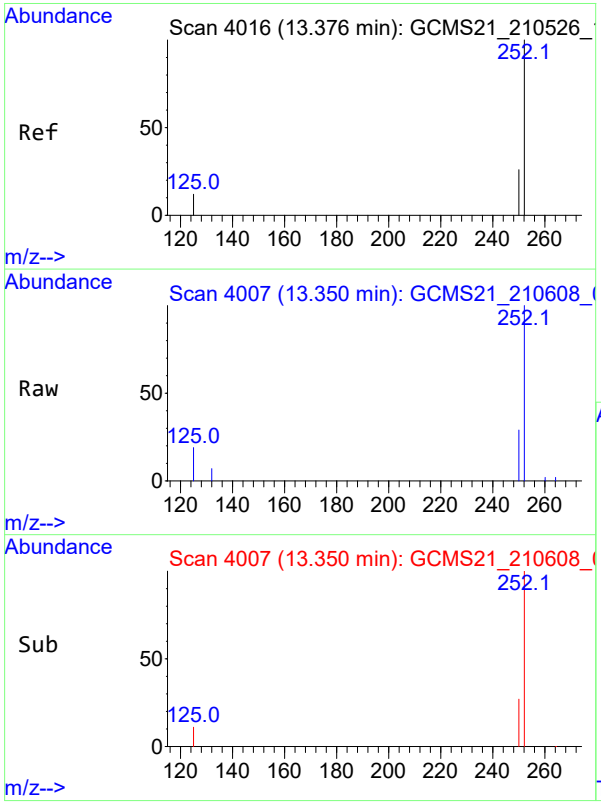


#26
Benzo(a)pyrene-D12
Concen: 29.92 ng/mL
RT: 13.306 min Scan# 3992
Delta R.T. 0.029 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:264 Resp: 32855

Ion	Ratio	Lower	Upper
264	100		
260	31.5	0.0	53.0
132	21.3	0.0	49.8

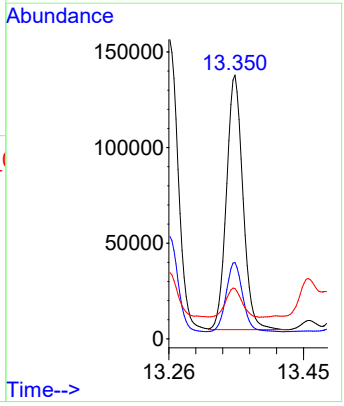


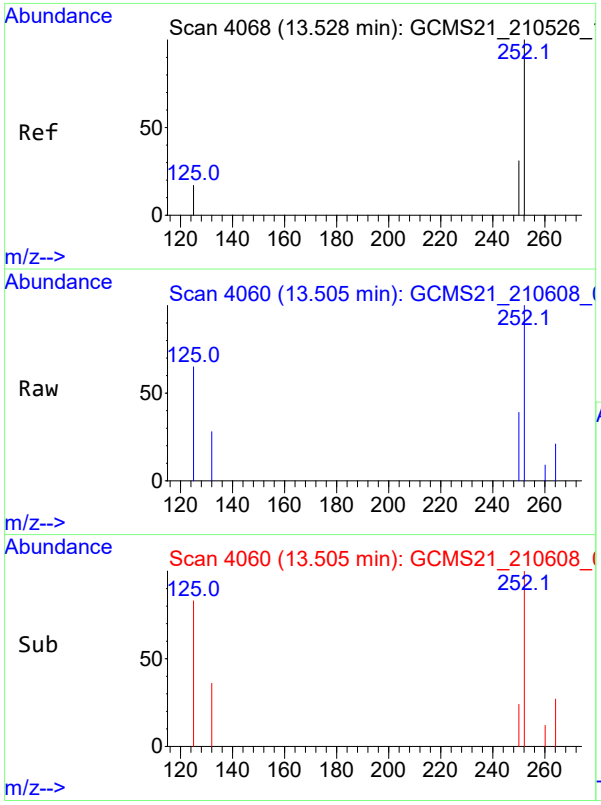


#27
Benzo(a)pyrene
Concen: 170.01 ng/mL
RT: 13.350 min Scan# 4007
Delta R.T. 0.029 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 217650

Ion	Ratio	Lower	Upper
252	100		
250	27.5	0.0	56.6
125	11.4	0.0	42.1

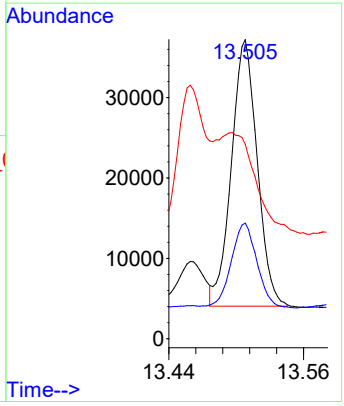


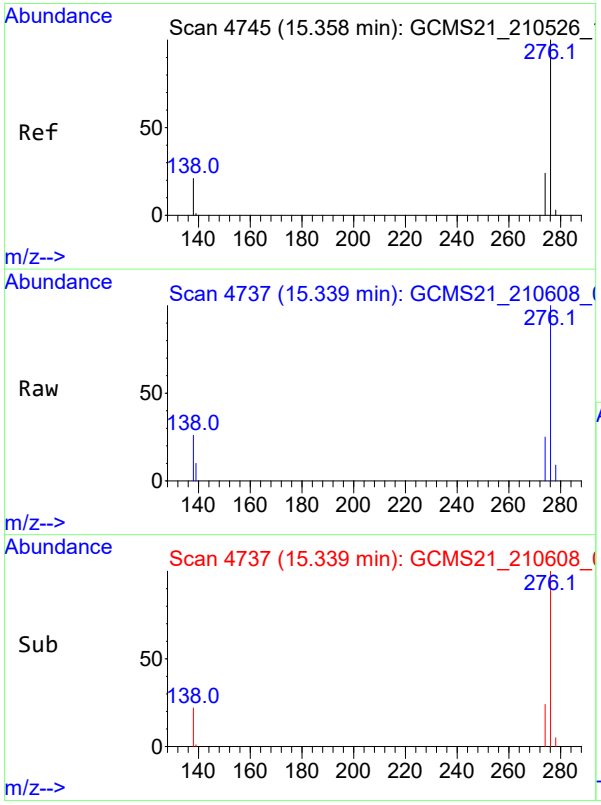


#28
Perylene
Concen: 37.32 ng/mL m
RT: 13.505 min Scan# 4060
Delta R.T. 0.029 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 53655

Ion	Ratio	Lower	Upper
252	100		
250	33.0	1.2	61.2
125	64.7	0.0	46.7#

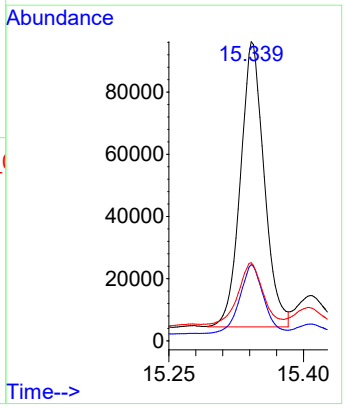


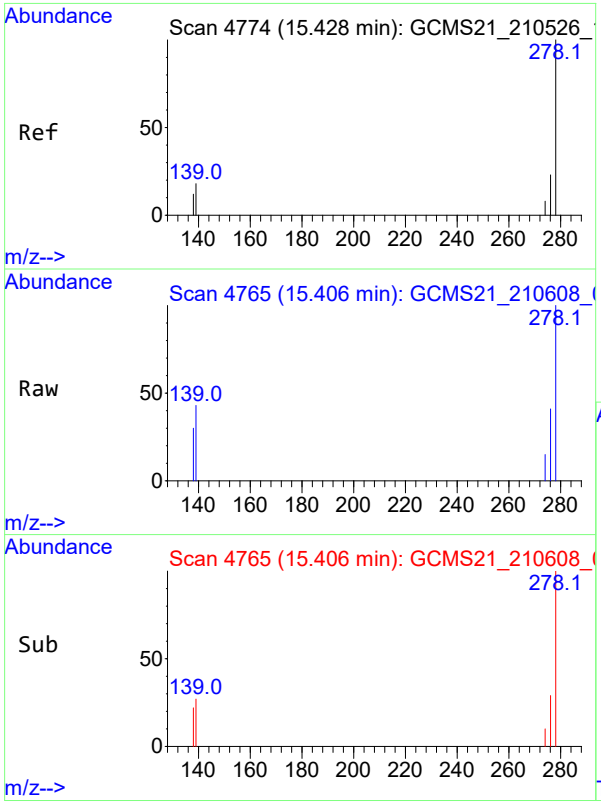


#29
Indeno(1,2,3-cd)pyrene
Concen: 153.20 ng/mL m
RT: 15.339 min Scan# 4737
Delta R.T. 0.038 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:276 Resp: 167829

Ion	Ratio	Lower	Upper
276	100		
274	22.4	0.0	53.4
138	19.0	0.0	51.2

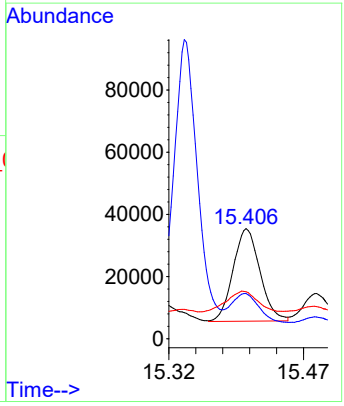


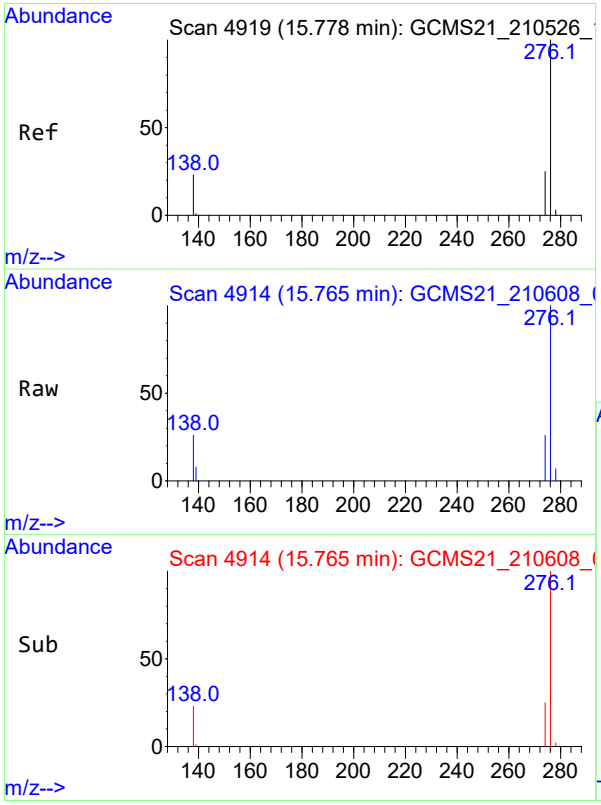


#30
Dibenz(a,h)anthracene
Concen: 55.67 ng/mL
RT: 15.406 min Scan# 4765
Delta R.T. 0.034 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:278 Resp: 60782

Ion	Ratio	Lower	Upper
278	100		
276	36.3	0.0	58.4
139	29.1	0.0	47.7

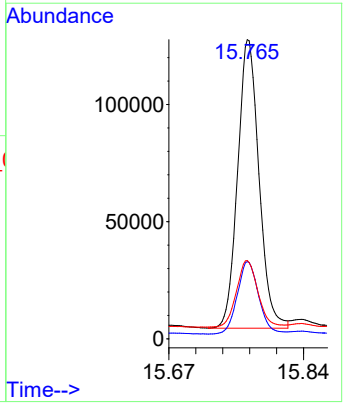




#31
Benzo(g,h,i)perylene
Concen: 159.94 ng/mL
RT: 15.765 min Scan# 4914
Delta R.T. 0.041 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:276 Resp: 227648

Ion	Ratio	Lower	Upper
276	100		
274	25.1	0.0	54.3
138	23.1	0.0	53.0



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_06.D
Acq On : 08 Jun 2021 10:48
Operator : MN GCMS21
Sample : 2105001-03
Misc : 2X 100µL in 100µL DL solvent 21D3002
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 10:47:48 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

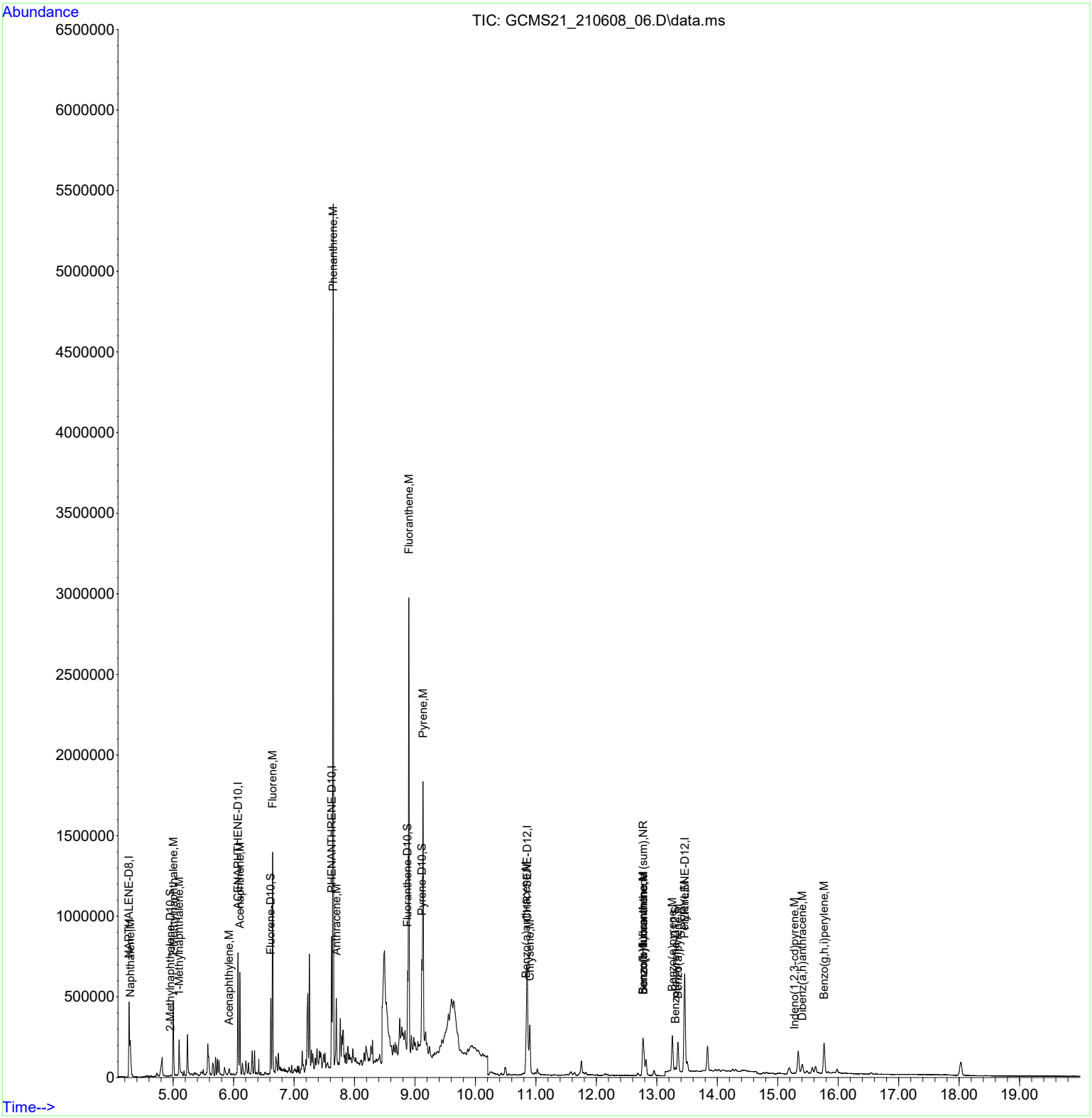
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.271	136	472760	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.073	164	291348	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.620	188	602195	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.856	240	647368	500.00	ng/mL	0.02
21) PERYLENE-D12	13.461	264	675775	500.00	ng/mL	0.03
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.955	152	1314	2.21	ng/mL	-0.01
9) Fluorene-D10	6.615	176	173316	248.47	ng/mL	0.00
14) Fluoranthene-D10	8.878	212	336183	257.82	ng/mL	0.01
17) Pyrene-D10	9.112	212	349836	236.85	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.306	264	32855	29.92	ng/mL	0.03
Target Compounds						Qvalue
2) Naphthalene	4.292	128	151294	166.79	ng/mL	98
4) 2-Methylnaphthalene	5.001	142	192829	288.65	ng/mL	99
5) 1-Methylnaphthalene	5.097	142	91196	163.89	ng/mL	97
7) Acenaphthylene	5.922	152	22774	23.55	ng/mL	76
8) Acenaphthene	6.103	153	178738	241.48	ng/mL	99
10) Fluorene	6.645	166	544942	665.13	ng/mL	97
12) Phenanthrene	7.647	178	3329464	2290.85	ng/mL	99
13) Anthracene	7.699	178	300984	249.06	ng/mL	87
15) Fluoranthene	8.899	202	1770824	1154.46	ng/mL	98
18) Pyrene	9.132	202	1053429	610.56	ng/mL	83
19) Benzo(a)anthracene	10.839	228	253018	194.31	ng/mL	93
20) Chrysene	10.899	228	404378	251.54	ng/mL	99
22) Benzo(b)fluoranthene	12.772	252	382613	272.76	ng/mL	97
23) Benzo(k)fluoranthene	12.772	252	381870	245.64	ng/mL	96
24) benzo(b+k)fluoranthene...	12.772	252	382179	250.74	ng/mL	96
25) Benzo(e)pyrene	13.257	252	254187	179.66	ng/mL	100
27) Benzo(a)pyrene	13.350	252	217650	170.01	ng/mL	98
28) Perylene	13.455	252	9587	6.67	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.276	276	1382	1.26	ng/mL#	35
30) Dibenz(a,h)anthracene	15.406	278	60782	55.67	ng/mL	81
31) Benzo(g,h,i)perylene	15.765	276	227648	159.94	ng/mL	99

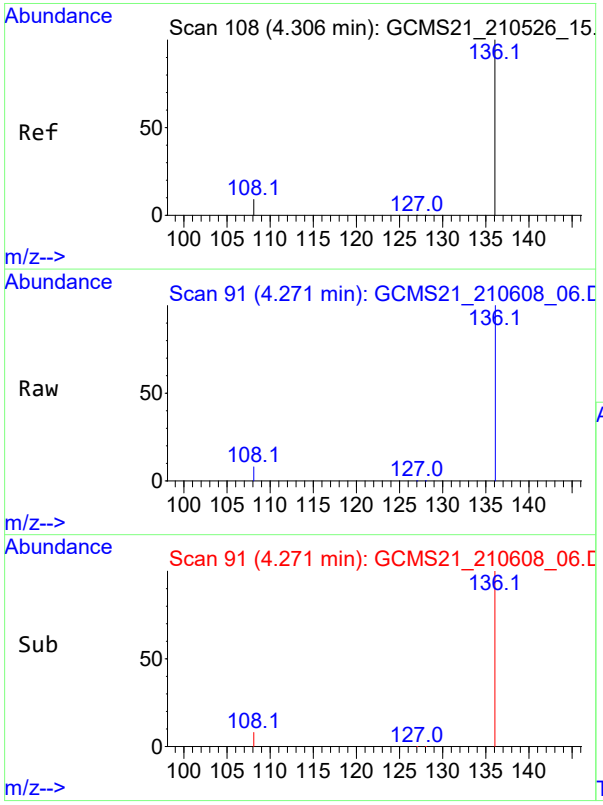
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_06.D
Acq On : 08 Jun 2021 10:48
Operator : MN GCMS21
Sample : 2105001-03
Misc : 2X 100µL in 100µL DL solvent 21D3002
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 10:47:48 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

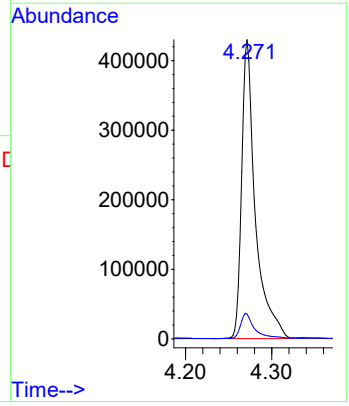


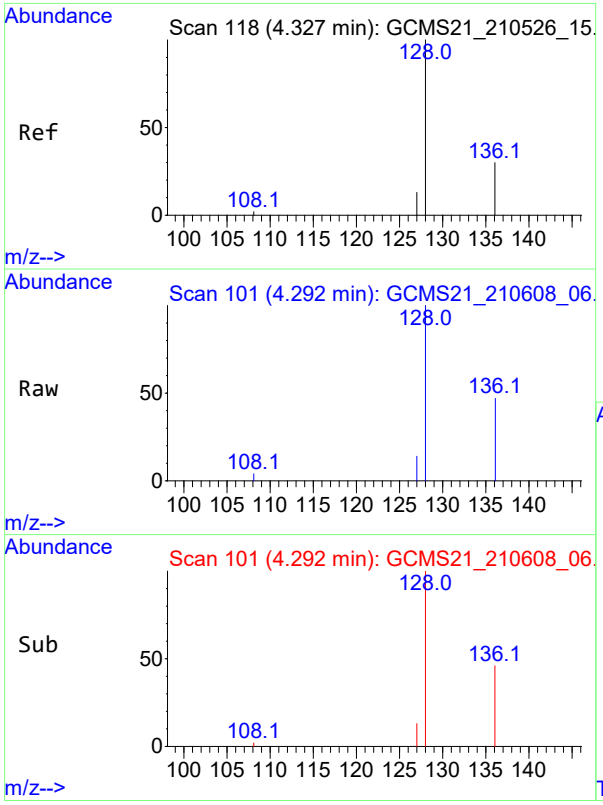


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.271 min Scan# 91
Delta R.T. -0.004 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:136 Resp: 472760

Ion	Ratio	Lower	Upper
136	100		
108	8.7	0.0	28.3

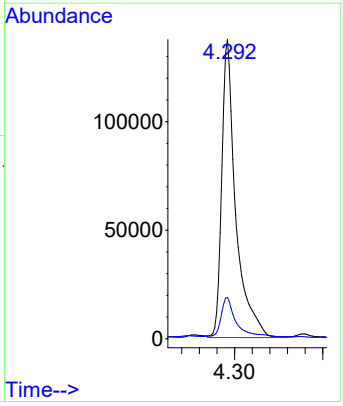


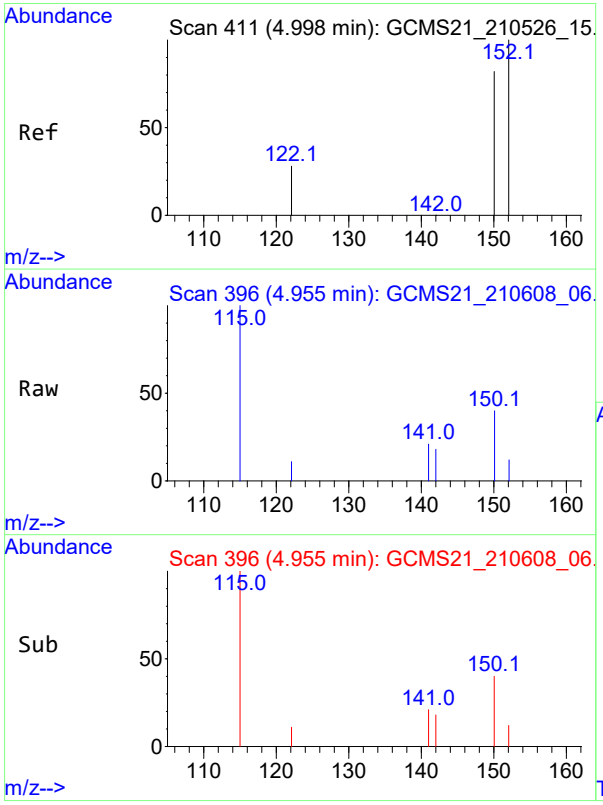


#2
Naphthalene
Concen: 166.79 ng/mL
RT: 4.292 min Scan# 101
Delta R.T. -0.004 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:128 Resp: 151294

Ion	Ratio	Lower	Upper
128	100		
127	14.3	0.0	43.3

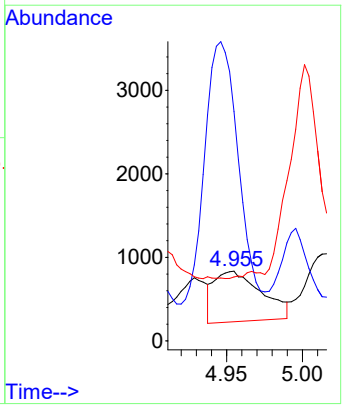


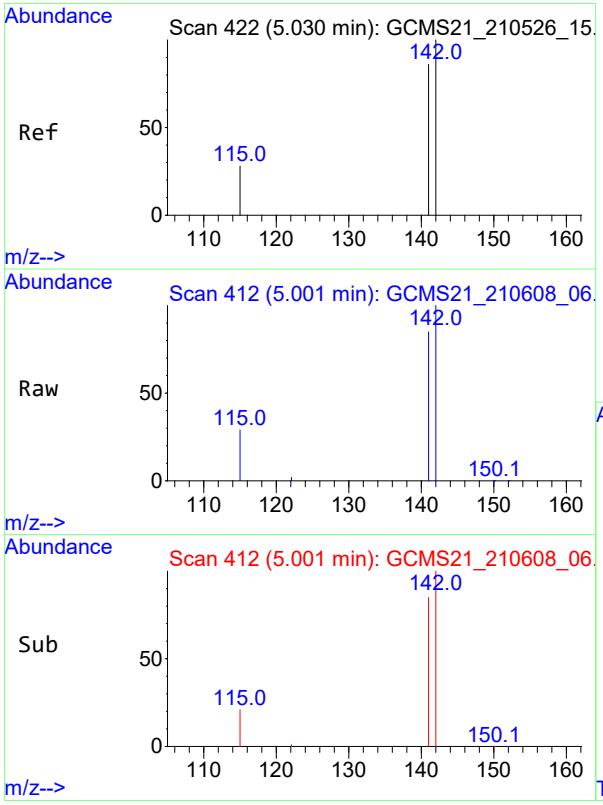


#3
2-Methylnaphthalene-D10
Concen: 2.21 ng/mL
RT: 4.955 min Scan# 396
Delta R.T. -0.015 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:152 Resp: 1314

Ion	Ratio	Lower	Upper
152	100		
150	385.0	52.3	112.3#
122	0.0	0.0	57.5

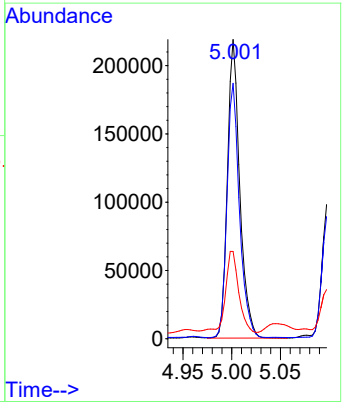


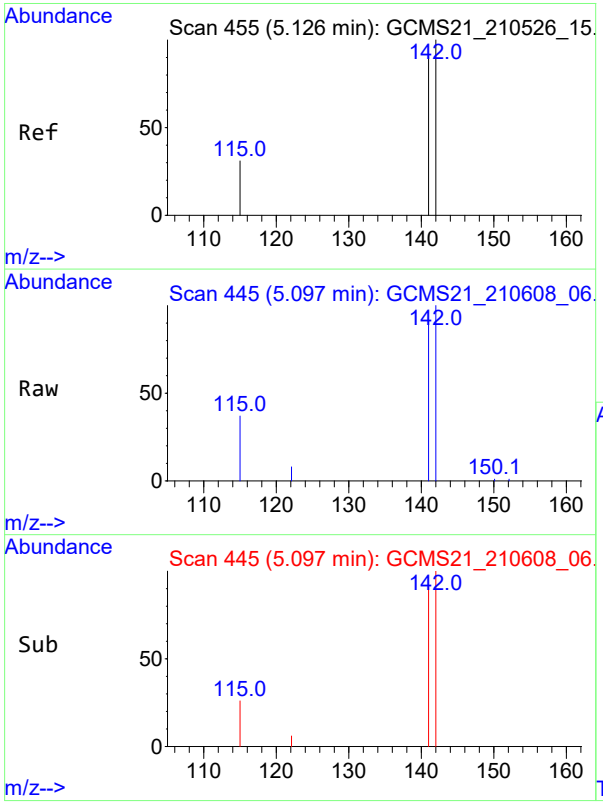


#4
2-Methylnaphthalene
Concen: 288.65 ng/mL
RT: 5.001 min Scan# 412
Delta R.T. -0.000 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:142 Resp: 192829

Ion	Ratio	Lower	Upper
142	100		
141	85.8	56.3	116.3
115	29.1	0.0	57.4

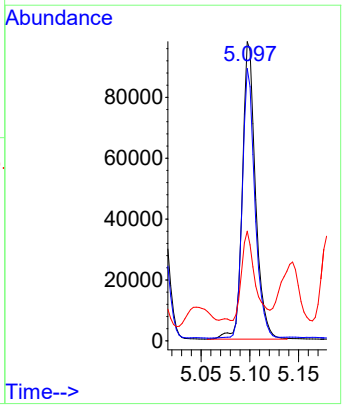


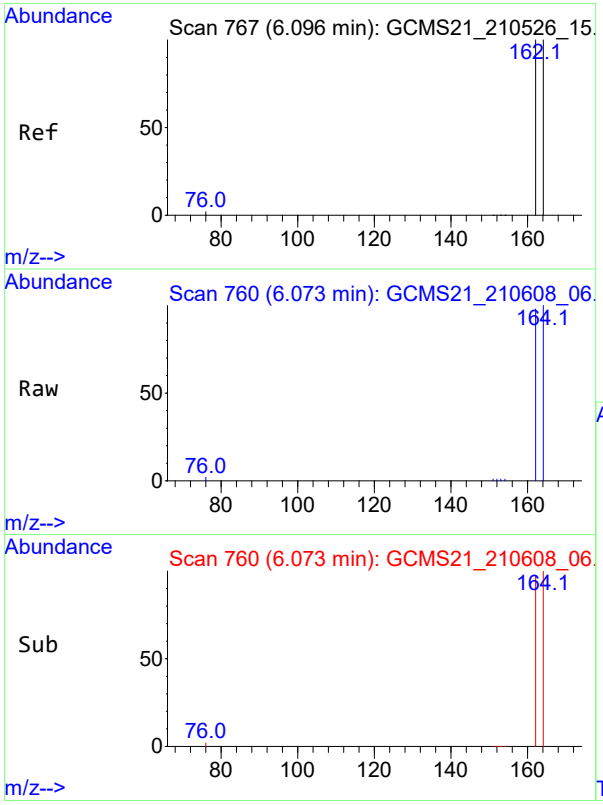


#5
1-Methylnaphthalene
Concen: 163.89 ng/mL
RT: 5.097 min Scan# 445
Delta R.T. -0.000 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:142 Resp: 91196

Ion	Ratio	Lower	Upper
142	100		
141	87.3	61.5	121.5
115	30.5	0.2	60.2

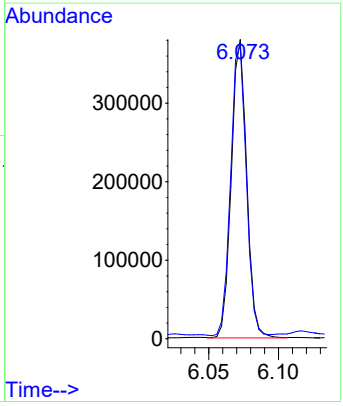


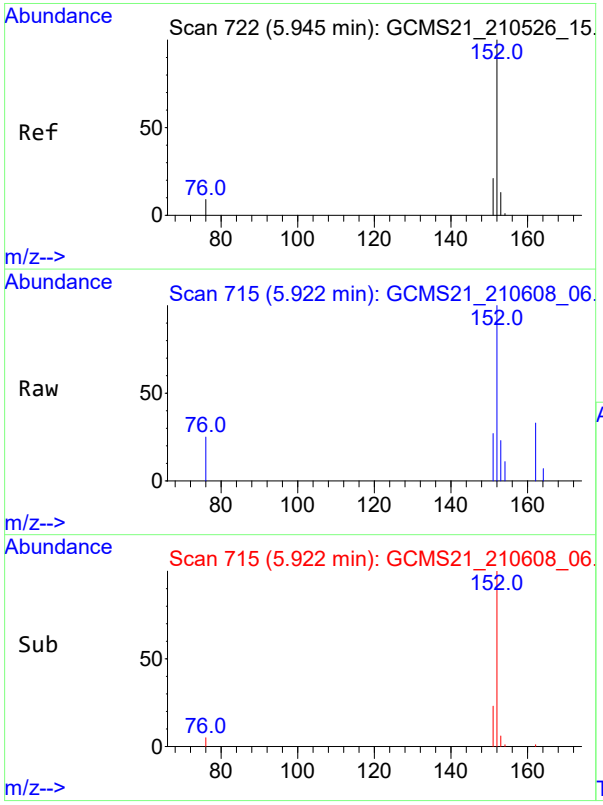


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.073 min Scan# 760
Delta R.T. 0.003 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:164 Resp: 291348

Ion	Ratio	Lower	Upper
164	100		
162	98.5	77.7	117.7

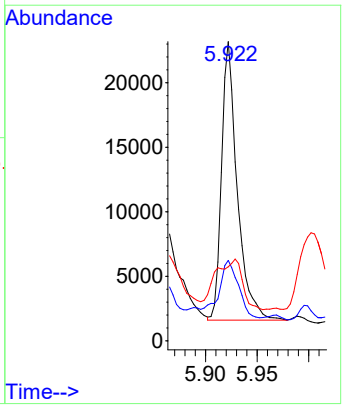


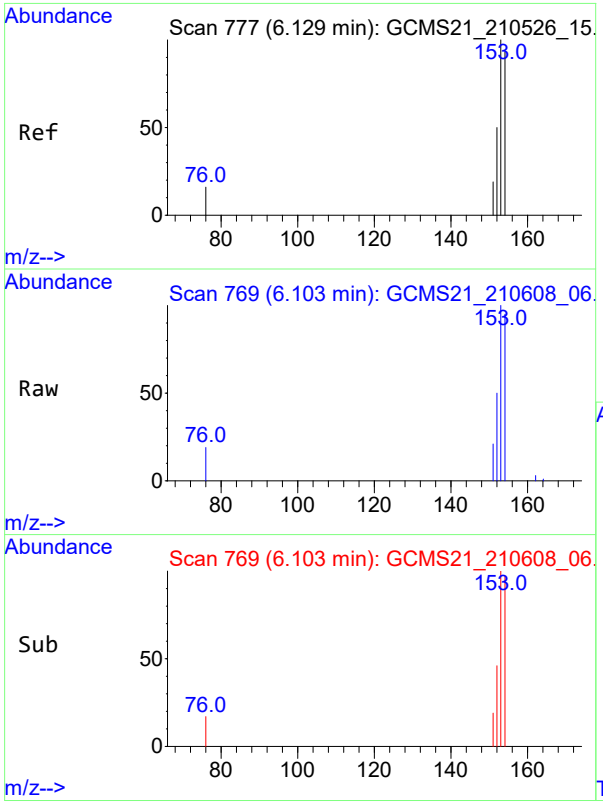


#7
Acenaphthylene
Concen: 23.55 ng/mL
RT: 5.922 min Scan# 715
Delta R.T. 0.007 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:152 Resp: 22774

Ion	Ratio	Lower	Upper
152	100		
151	25.8	0.0	52.0
76	31.3	0.0	39.5

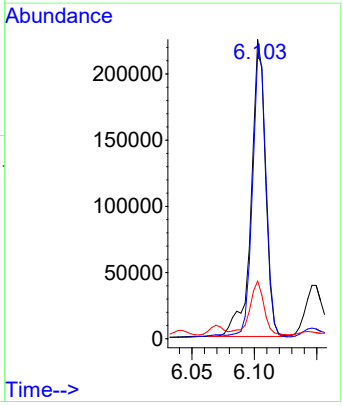


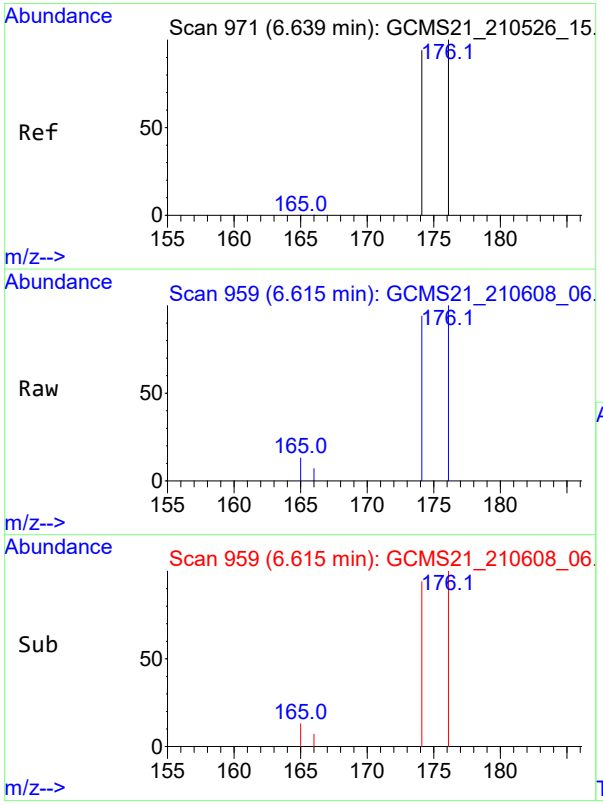


#8
Acenaphthene
Concen: 241.48 ng/mL
RT: 6.103 min Scan# 769
Delta R.T. 0.003 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:153 Resp: 178738

Ion	Ratio	Lower	Upper
153	100		
154	90.9	60.4	120.4
76	18.1	0.0	47.4

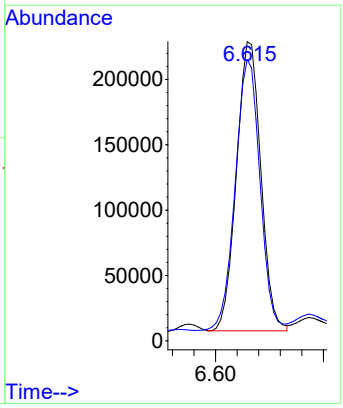


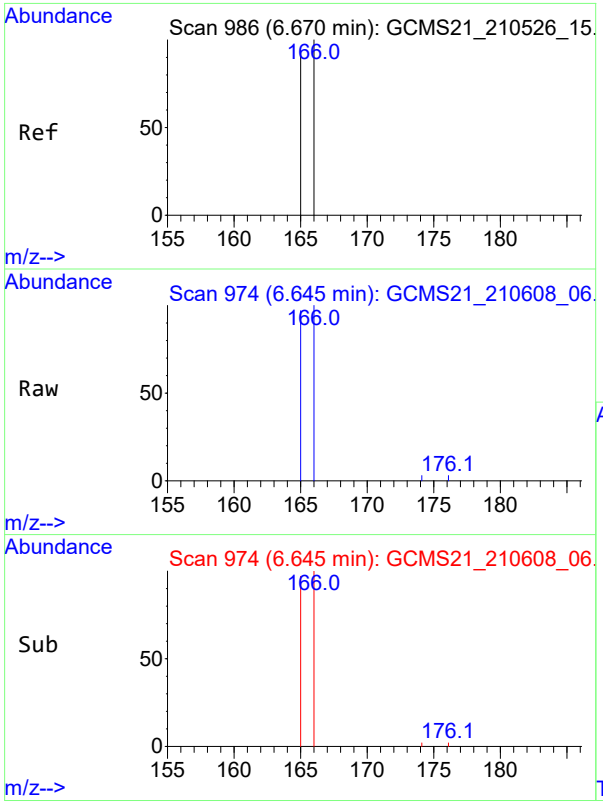


#9
Fluorene-D10
Concen: 248.47 ng/mL
RT: 6.615 min Scan# 959
Delta R.T. 0.004 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:176 Resp: 173316

Ion	Ratio	Lower	Upper
176	100		
174	102.1	63.9	123.9

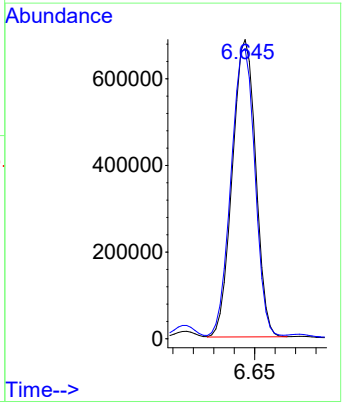


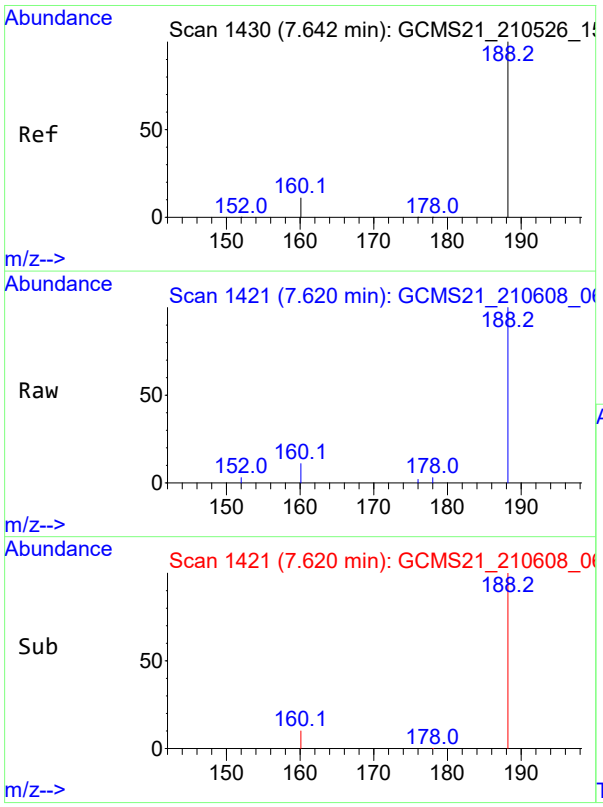


#10
Fluorene
Concen: 665.13 ng/mL
RT: 6.645 min Scan# 974
Delta R.T. 0.004 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:166 Resp: 544942

Ion	Ratio	Lower	Upper
166	100		
165	98.1	65.1	125.1

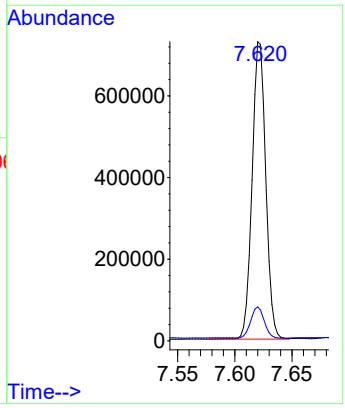


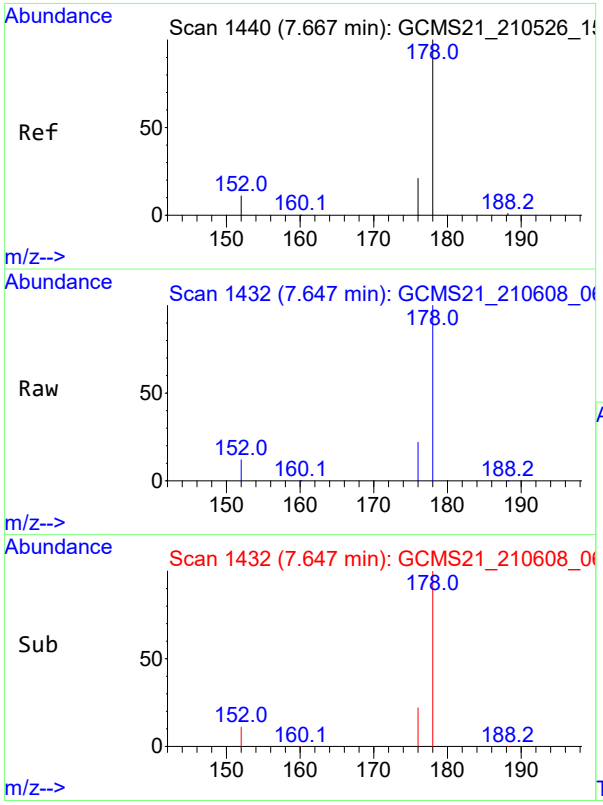


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.620 min Scan# 1421
Delta R.T. 0.005 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:188 Resp: 602195

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	39.8

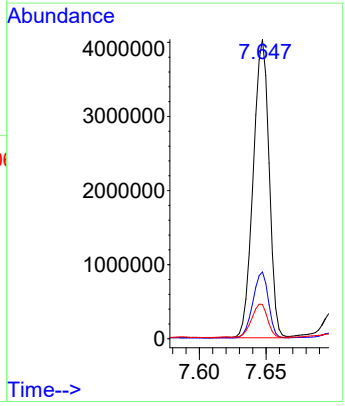


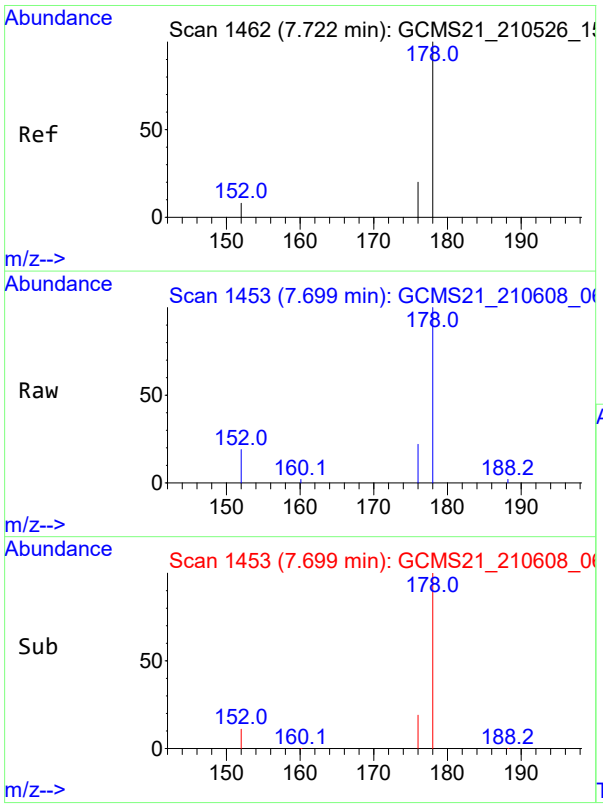


#12
Phenanthrene
Concen: 2290.85 ng/mL
RT: 7.647 min Scan# 1432
Delta R.T. 0.010 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:178 Resp: 3329464

Ion	Ratio	Lower	Upper
178	100		
176	21.5	0.0	51.1
152	11.1	0.0	40.6

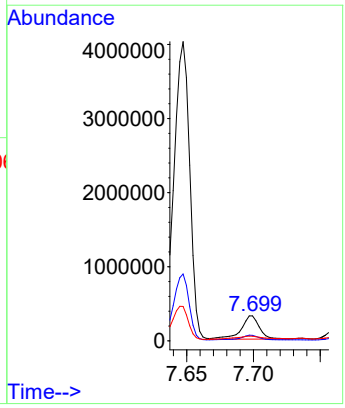


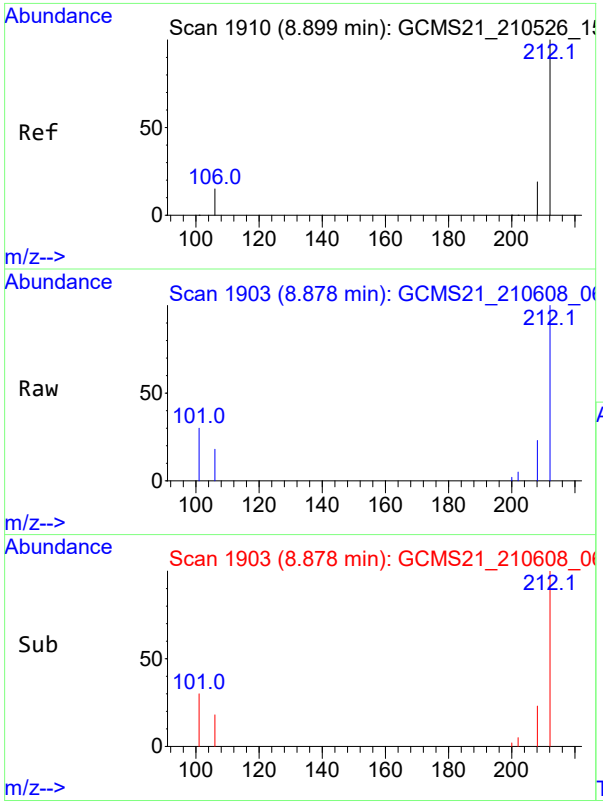


#13
Anthracene
Concen: 249.06 ng/mL
RT: 7.699 min Scan# 1453
Delta R.T. 0.007 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:178 Resp: 300984

Ion	Ratio	Lower	Upper
178	100		
176	21.4	0.0	50.4
152	22.4	0.0	38.3

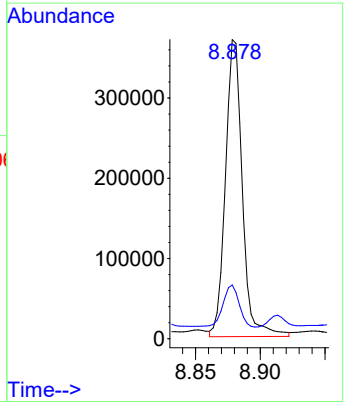


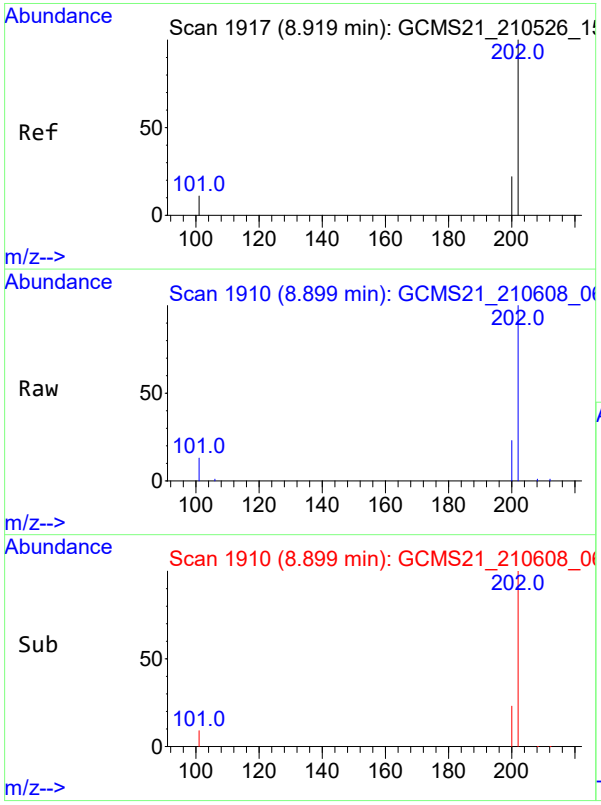


#14
Fluoranthene-D10
Concen: 257.82 ng/mL
RT: 8.878 min Scan# 1903
Delta R.T. 0.012 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:212 Resp: 336183

Ion	Ratio	Lower	Upper
212	100		
106	13.5	0.0	45.3

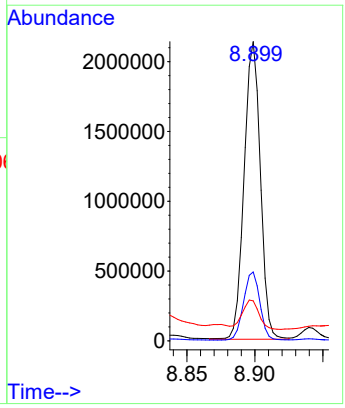


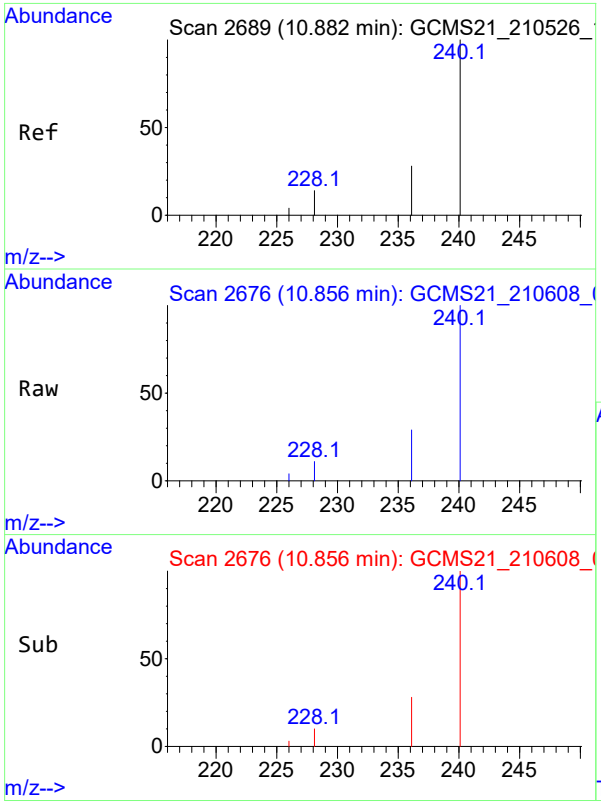


#15
Fluoranthene
Concen: 1154.46 ng/mL
RT: 8.899 min Scan# 1910
Delta R.T. 0.012 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:202 Resp: 1770824

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.2
101	10.1	0.0	41.8

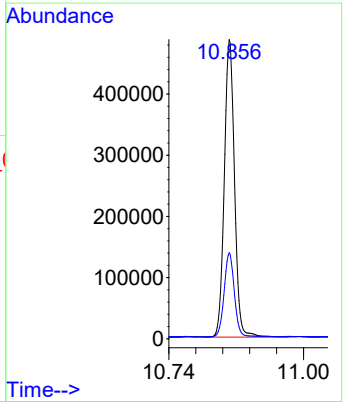


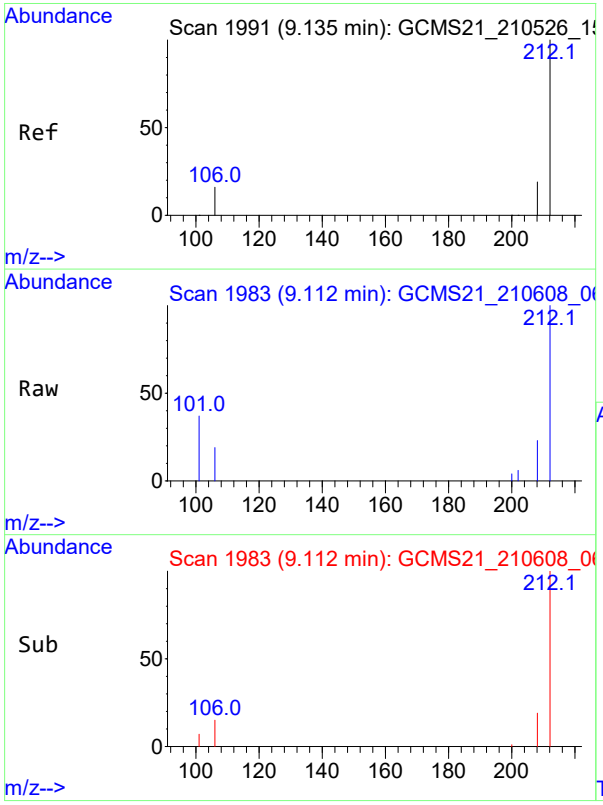


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.856 min Scan# 2676
Delta R.T. 0.018 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:240 Resp: 647368

Ion	Ratio	Lower	Upper
240	100		
236	28.1	0.0	58.6

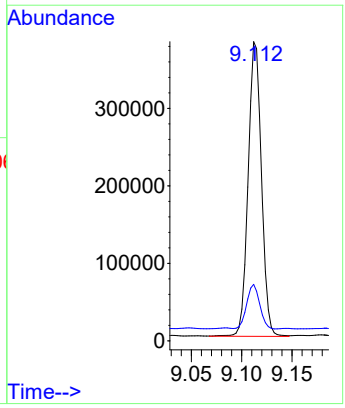


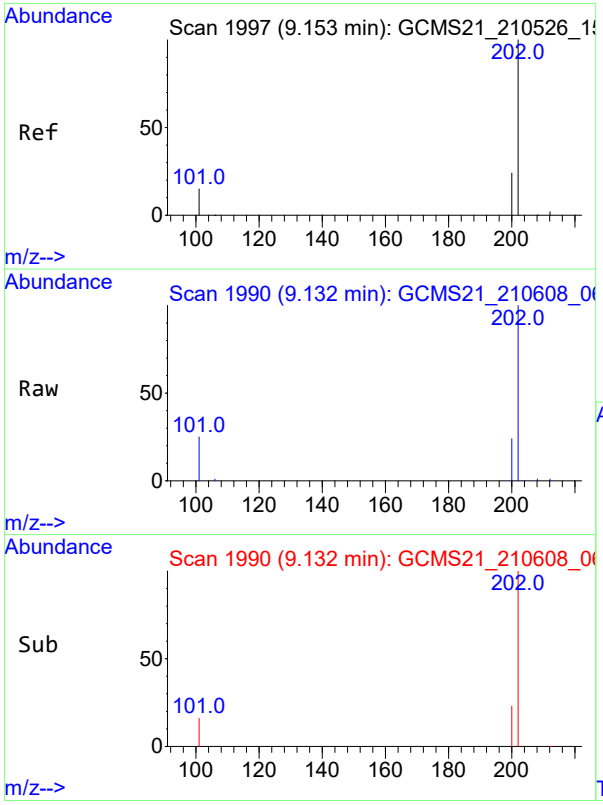


#17
Pyrene-D10
Concen: 236.85 ng/mL
RT: 9.112 min Scan# 1983
Delta R.T. 0.009 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:212 Resp: 349836

Ion	Ratio	Lower	Upper
212	100		
106	14.7	0.0	45.8

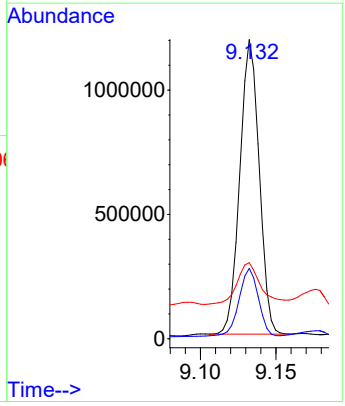


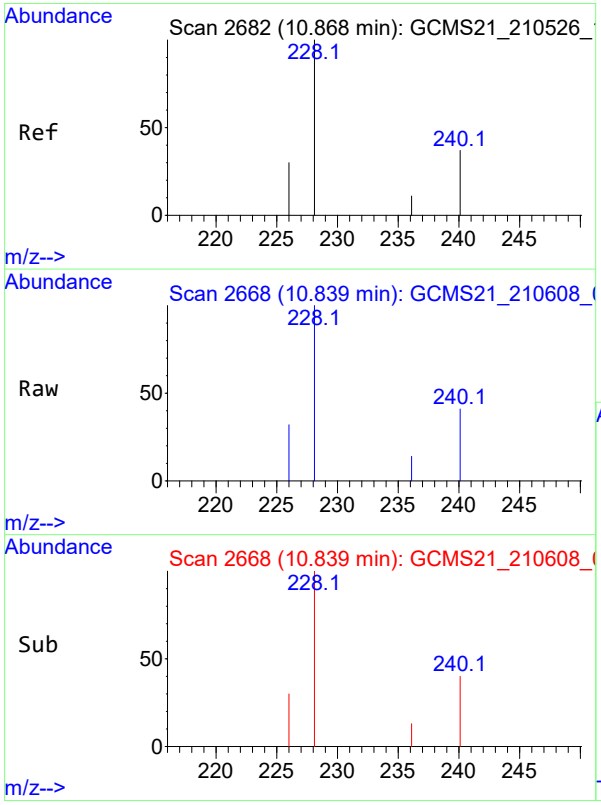


#18
Pyrene
Concen: 610.56 ng/mL
RT: 9.132 min Scan# 1990
Delta R.T. 0.012 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:202 Resp: 1053429

Ion	Ratio	Lower	Upper
202	100		
200	24.1	0.0	54.2
101	33.1	0.0	44.6

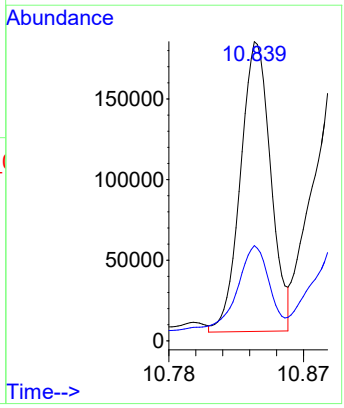


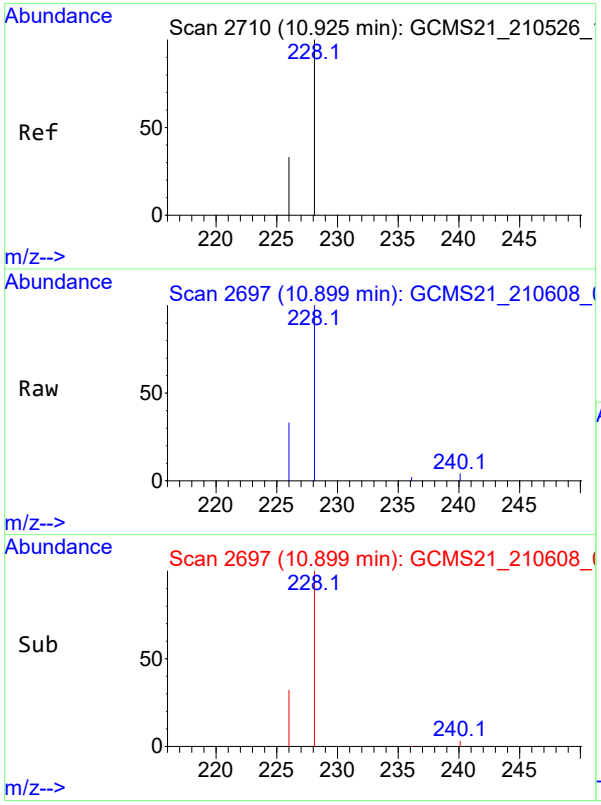


#19
Benzo(a)anthracene
Concen: 194.31 ng/mL
RT: 10.839 min Scan# 2668
Delta R.T. 0.018 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:228 Resp: 253018

Ion	Ratio	Lower	Upper
228	100		
226	33.7	0.0	59.9

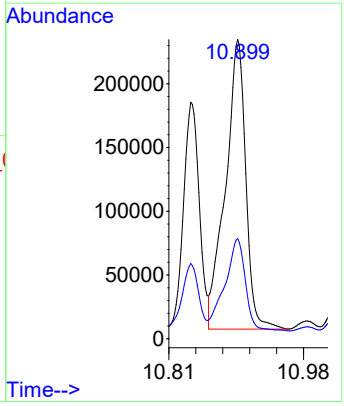


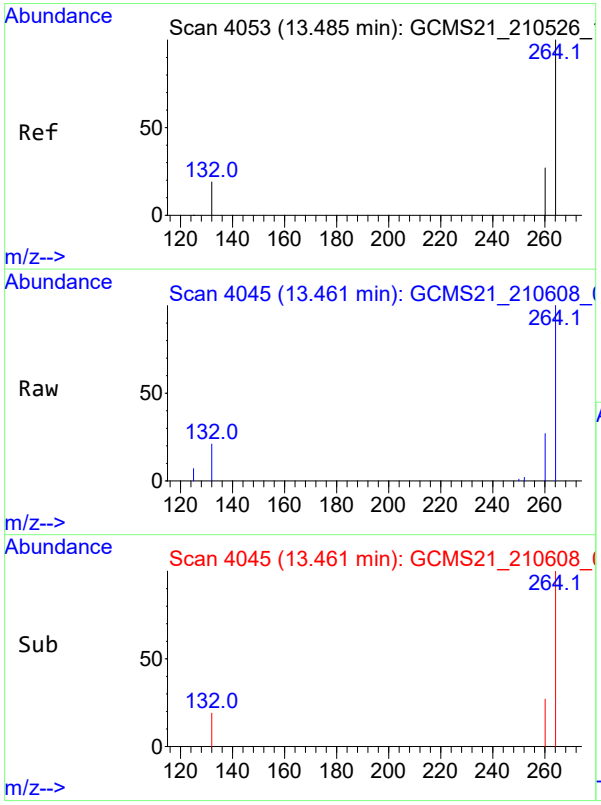


#20
Chrysene
Concen: 251.54 ng/mL
RT: 10.899 min Scan# 2697
Delta R.T. 0.020 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:228 Resp: 404378

Ion	Ratio	Lower	Upper
228	100		
226	32.5	2.8	62.8

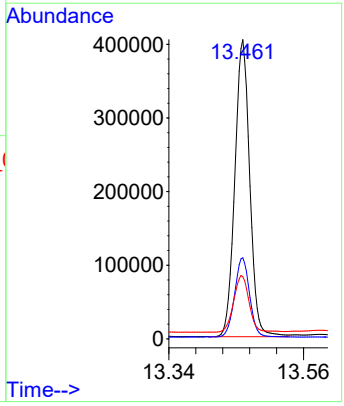


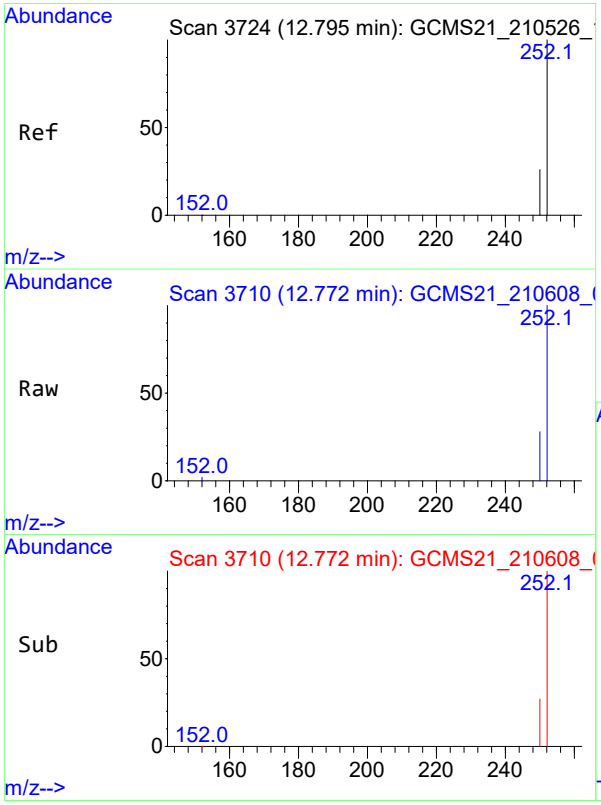


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.461 min Scan# 4045
Delta R.T. 0.032 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:264 Resp: 675775

Ion	Ratio	Lower	Upper
264	100		
260	26.9	0.0	57.5
132	19.8	0.0	49.5

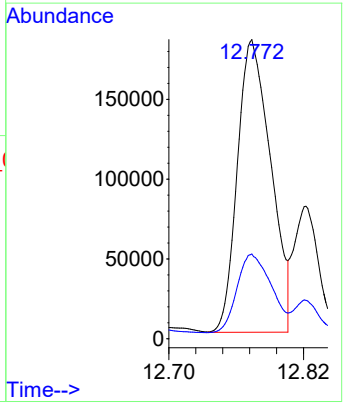


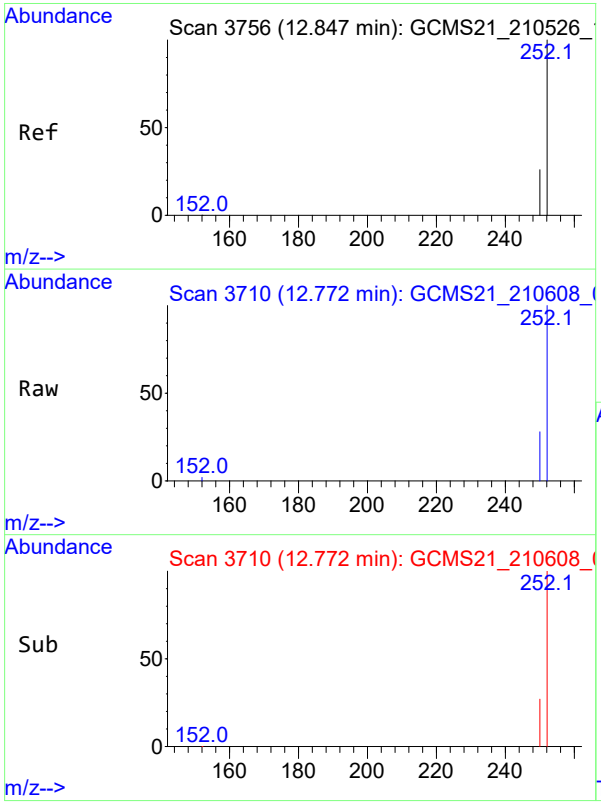


#22
Benzo(b)fluoranthene
Concen: 272.76 ng/mL
RT: 12.772 min Scan# 3710
Delta R.T. 0.031 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 382613

Ion	Ratio	Lower	Upper
252	100		
250	27.7	0.0	56.2

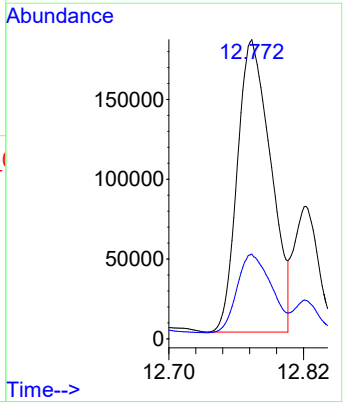


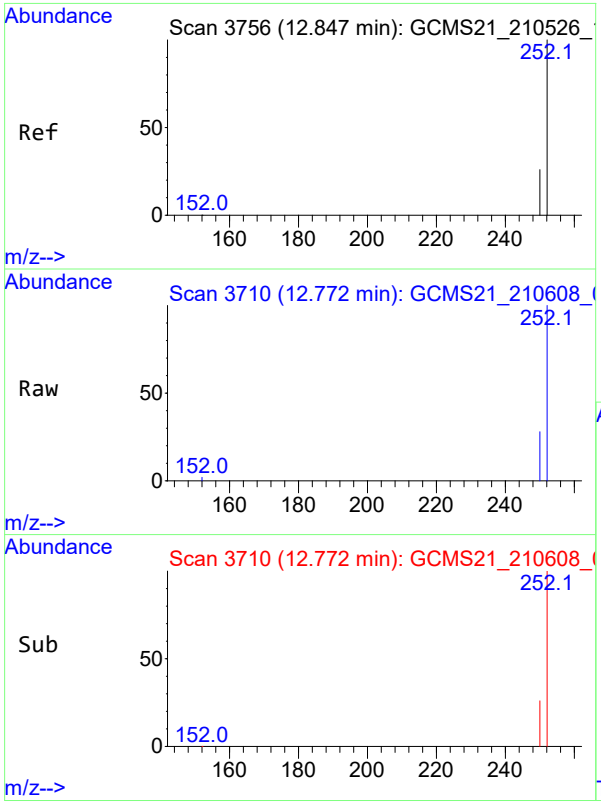


#23
Benzo(k)fluoranthene
Concen: 245.64 ng/mL
RT: 12.772 min Scan# 3710
Delta R.T. -0.023 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 381870

Ion	Ratio	Lower	Upper
252	100		
250	27.7	0.0	55.6

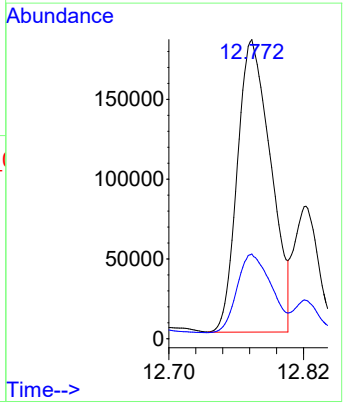


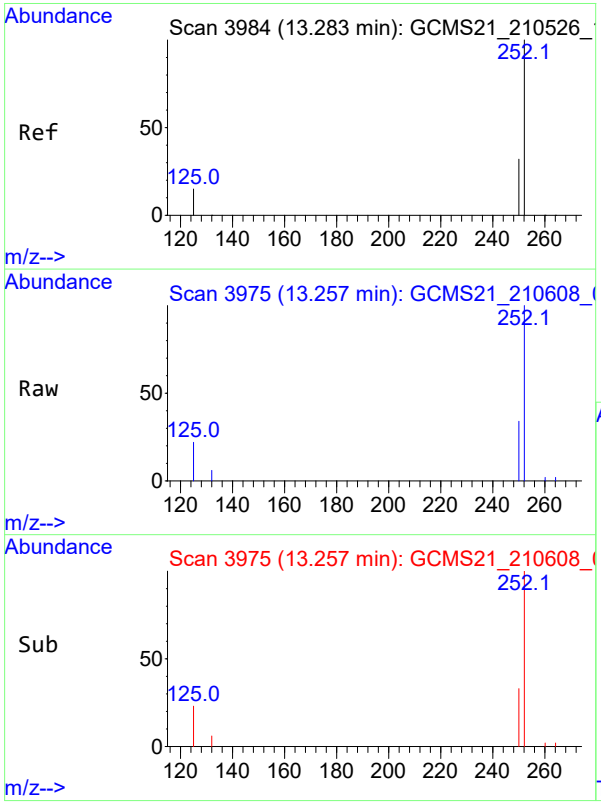


#24
benzo(b+k)fluoranthene (sum)
Concen: 250.74 ng/mL
RT: 12.772 min Scan# 3710
Delta R.T. -0.023 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 382179

Ion	Ratio	Lower	Upper
252	100		
250	27.7	0.0	55.6

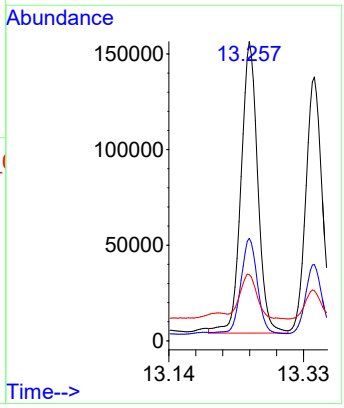


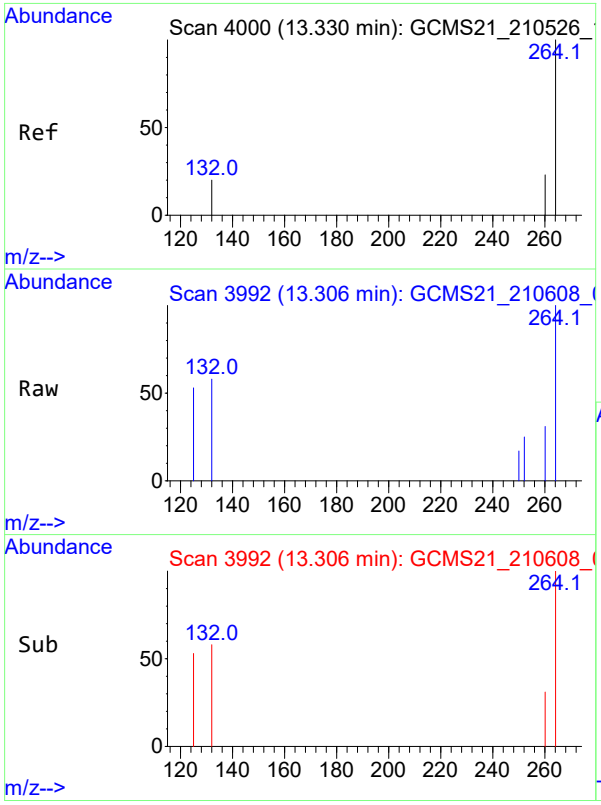


#25
Benzo(e)pyrene
Concen: 179.66 ng/mL
RT: 13.257 min Scan# 3975
Delta R.T. 0.026 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 254187

Ion	Ratio	Lower	Upper
252	100		
250	32.5	2.3	62.3
125	15.9	0.0	46.1

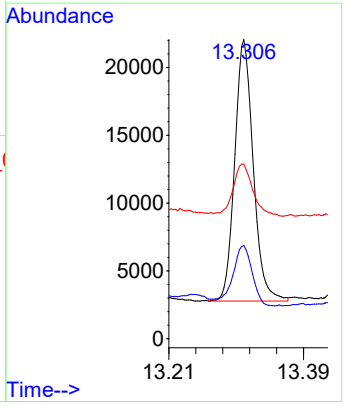


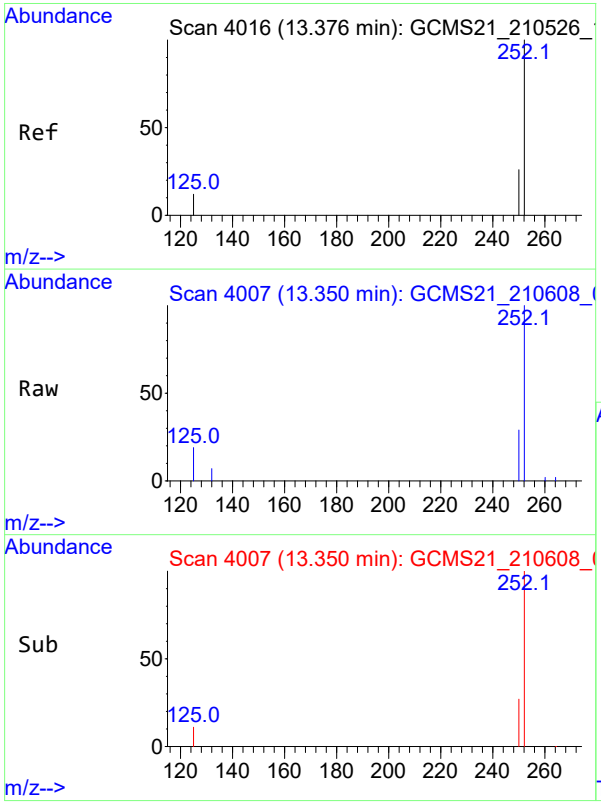


#26
Benzo(a)pyrene-D12
Concen: 29.92 ng/mL
RT: 13.306 min Scan# 3992
Delta R.T. 0.029 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:264 Resp: 32855

Ion	Ratio	Lower	Upper
264	100		
260	31.5	0.0	53.0
132	21.3	0.0	49.8

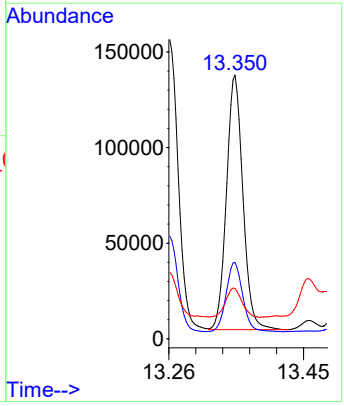


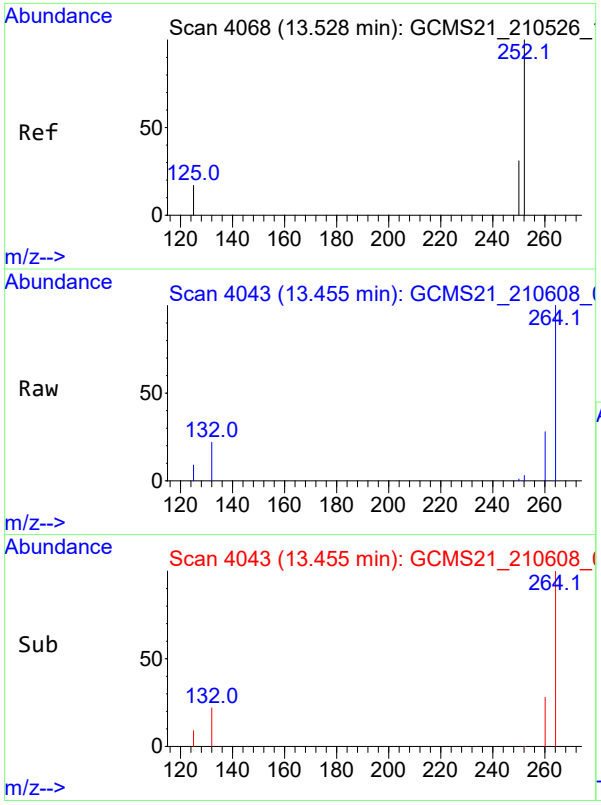


#27
Benzo(a)pyrene
Concen: 170.01 ng/mL
RT: 13.350 min Scan# 4007
Delta R.T. 0.029 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 217650

Ion	Ratio	Lower	Upper
252	100		
250	27.5	0.0	56.6
125	11.4	0.0	42.1

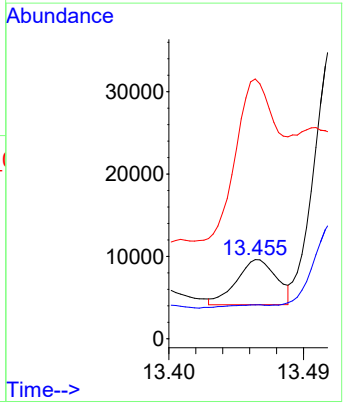


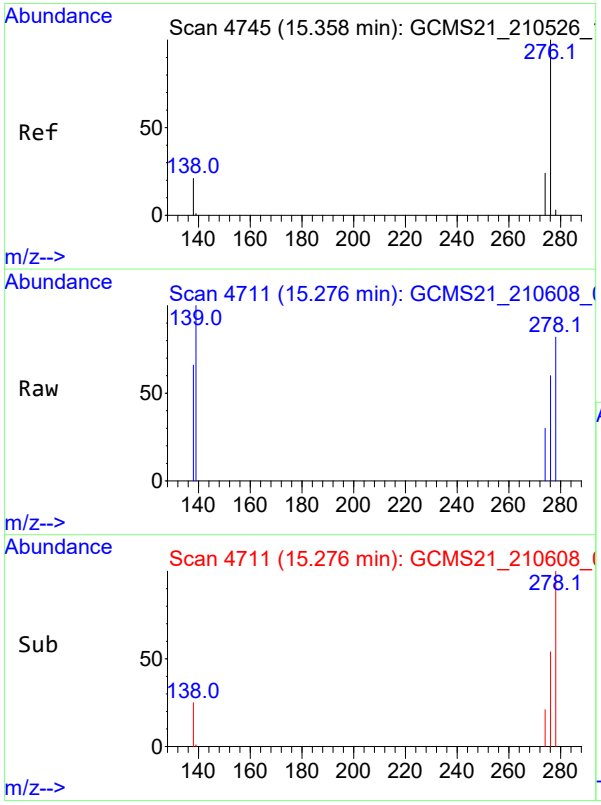


#28
Perylene
Concen: 6.67 ng/mL
RT: 13.455 min Scan# 4043
Delta R.T. -0.021 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:252 Resp: 9587

Ion	Ratio	Lower	Upper
252	100		
250	7.4	1.2	61.2
125	381.0	0.0	46.7#

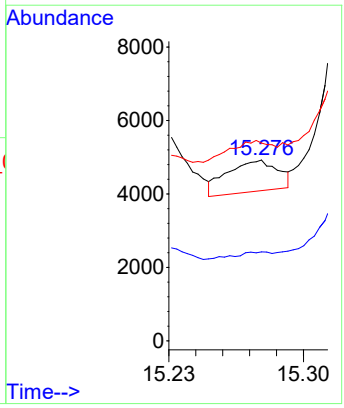


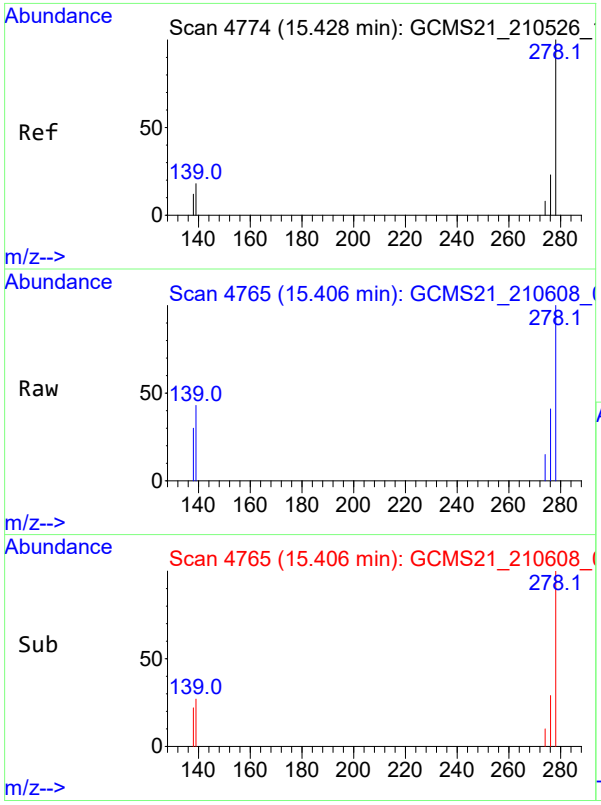


#29
Indeno(1,2,3-cd)pyrene
Concen: 1.26 ng/mL
RT: 15.276 min Scan# 4711
Delta R.T. -0.024 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:276 Resp: 1382

Ion	Ratio	Lower	Upper
276	100		
274	48.6	0.0	53.4
138	58.5	0.0	51.2#

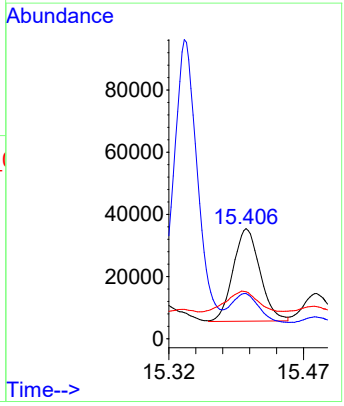


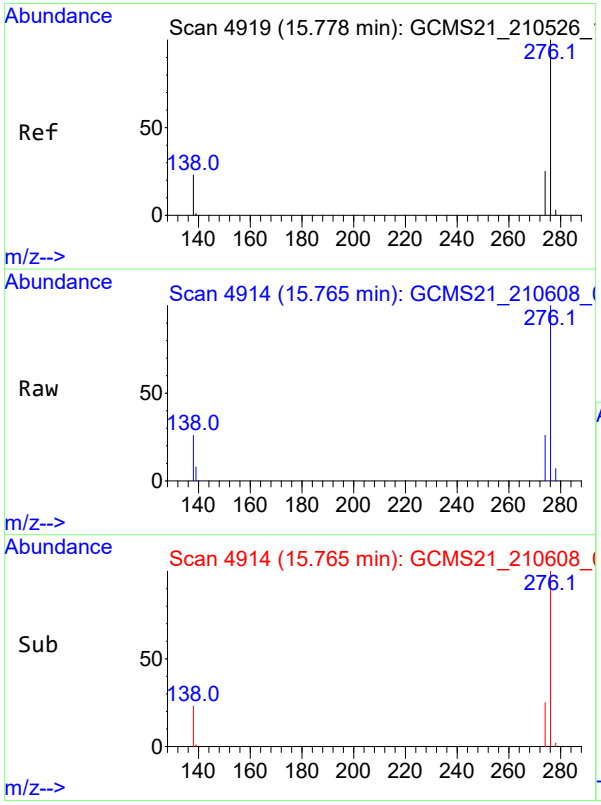


#30
Dibenz(a,h)anthracene
Concen: 55.67 ng/mL
RT: 15.406 min Scan# 4765
Delta R.T. 0.034 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:278 Resp: 60782

Ion	Ratio	Lower	Upper
278	100		
276	36.3	0.0	58.4
139	29.1	0.0	47.7

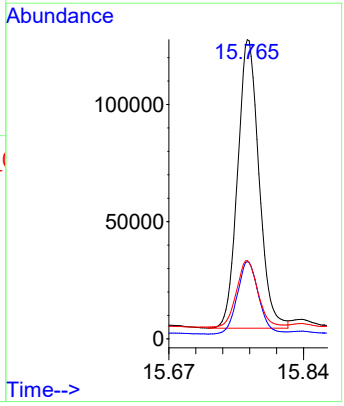




#31
Benzo(g,h,i)perylene
Concen: 159.94 ng/mL
RT: 15.765 min Scan# 4914
Delta R.T. 0.041 min
Lab File: GCMS21_210608_06.D
Acq: 08 Jun 2021 10:48

Tgt Ion:276 Resp: 227648

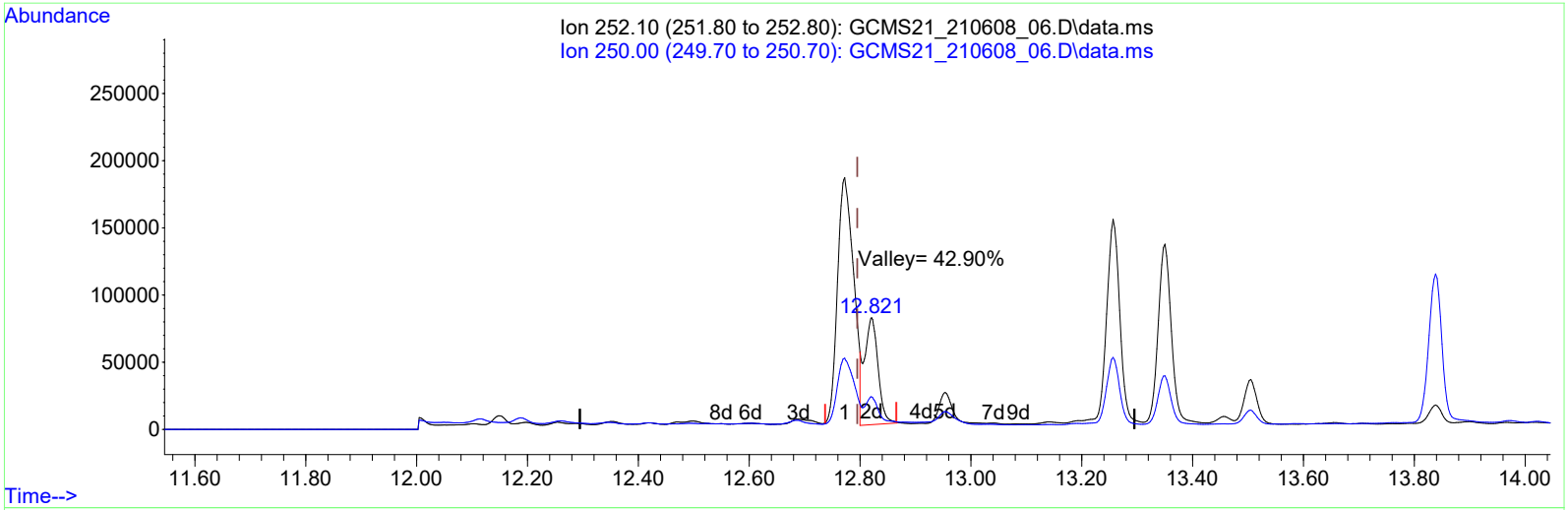
Ion	Ratio	Lower	Upper
276	100		
274	25.1	0.0	54.3
138	23.1	0.0	53.0

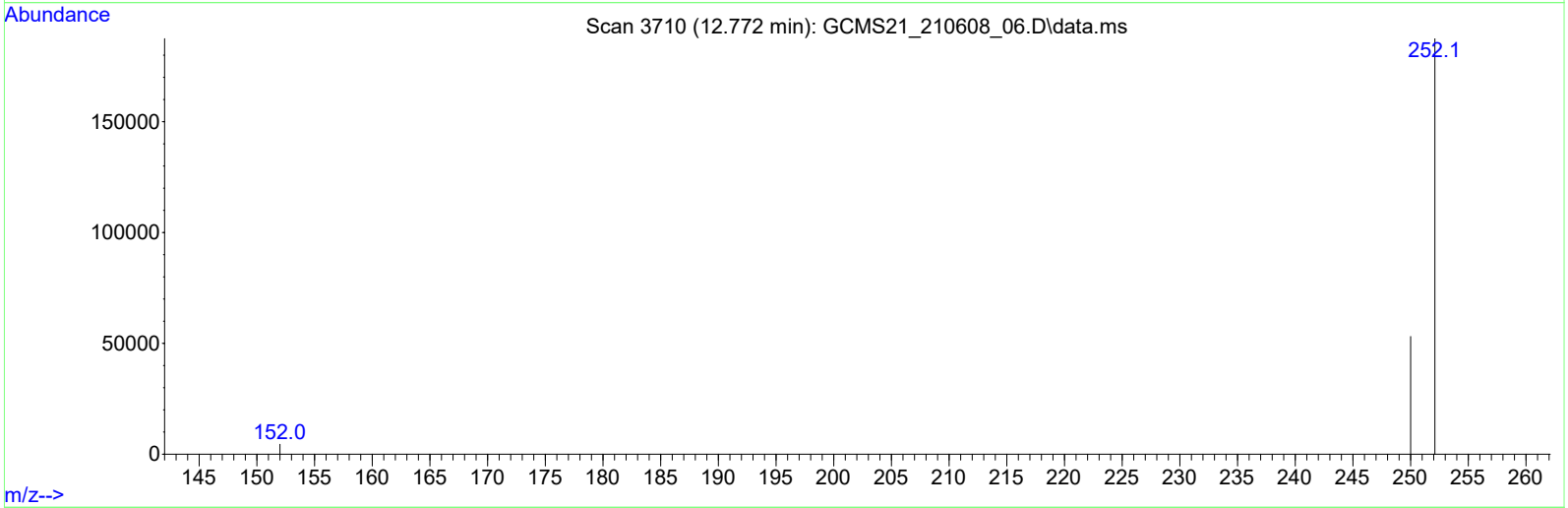


Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_06.D
Acq On : 08 Jun 2021 10:48 am
Operator : MN GCMS21
Sample : 2105001-03
Misc : 2X 100µL in 100µL DL solvent 21D3002
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 10:47:48 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_06.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.772min (-0.023) 328.94 ng/mL m

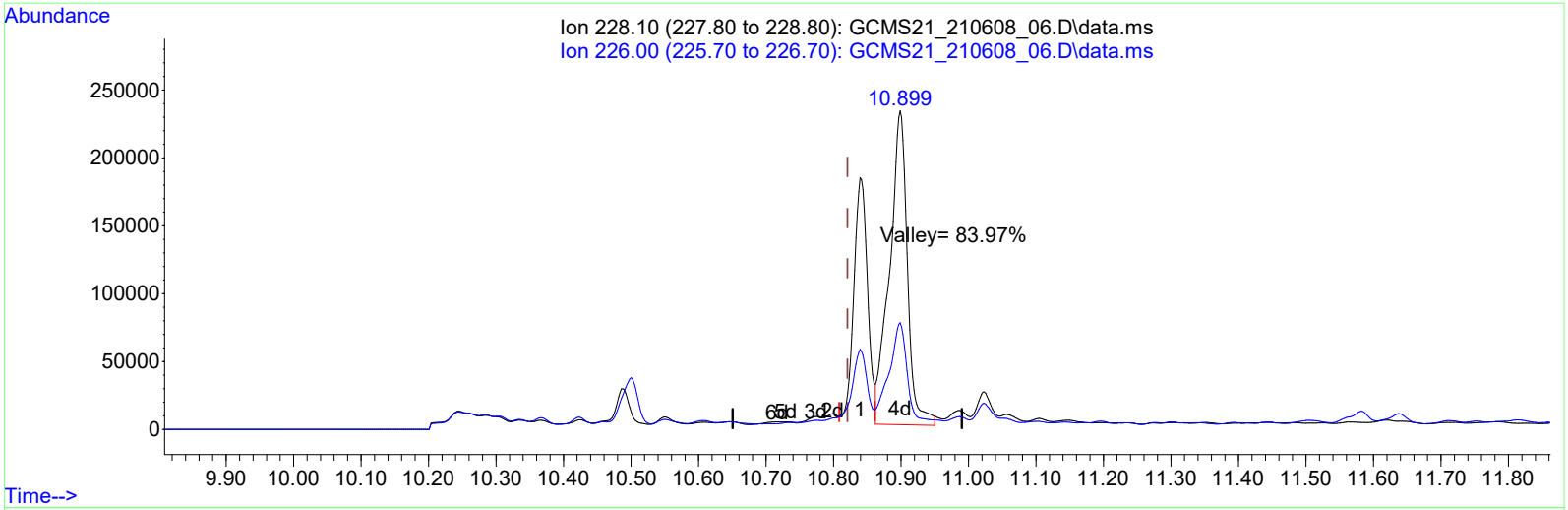
response 501363

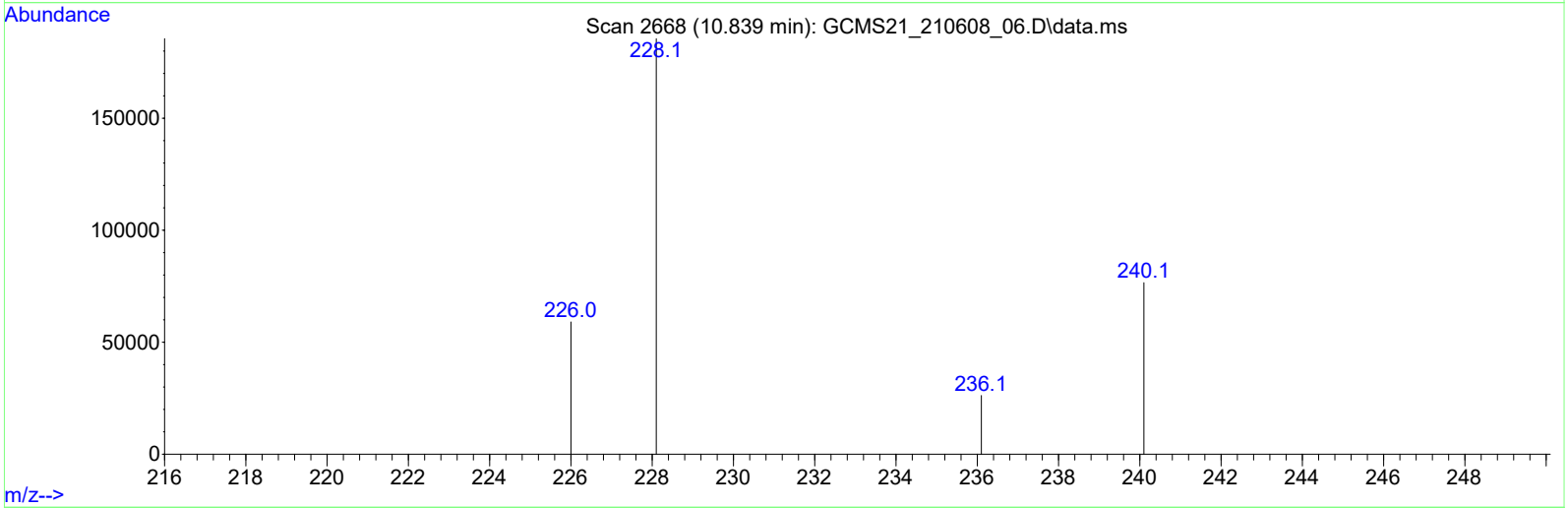
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	28.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_06.D
Acq On : 08 Jun 2021 10:48 am
Operator : MN GCMS21
Sample : 2105001-03
Misc : 2X 100µL in 100µL DL solvent 21D3002
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 10:47:48 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_06.D\data.ms

(19) Benzo(a)anthracene (M)

10.839min (+ 0.018) 194.31 ng/mL

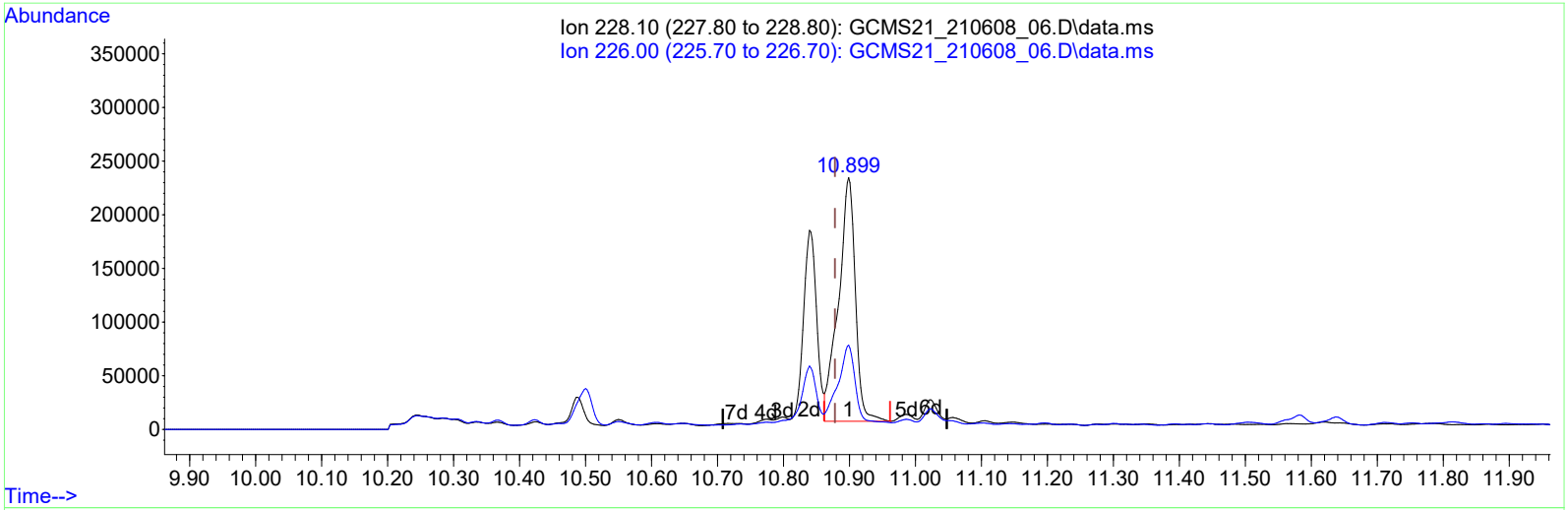
response 253018

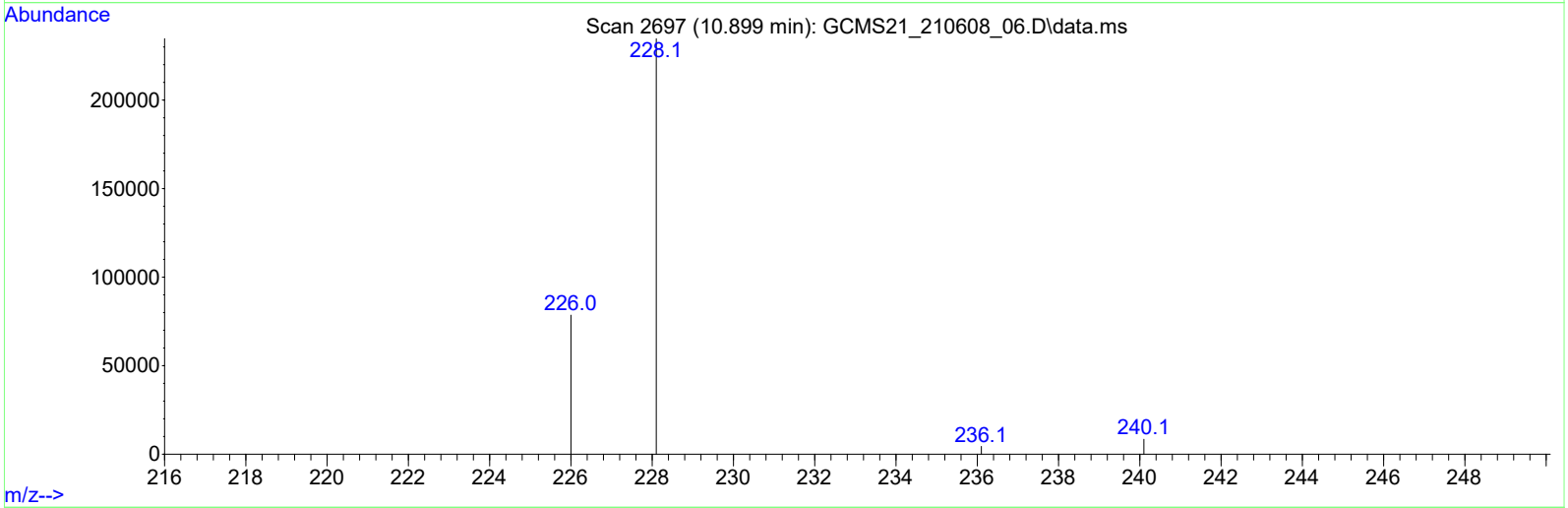
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.90	33.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_06.D
Acq On : 08 Jun 2021 10:48 am
Operator : MN GCMS21
Sample : 2105001-03
Misc : 2X 100µL in 100µL DL solvent 21D3002
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 01 10:47:48 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_06.D\data.ms

(20) Chrysene (M)

10.899min (+ 0.020) 251.54 ng/mL

response 404378

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	32.80	32.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_09.D
Acq On : 08 Jun 2021 12:02 pm
Operator : MN GCMS21
Sample : 2105001-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 10:48:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

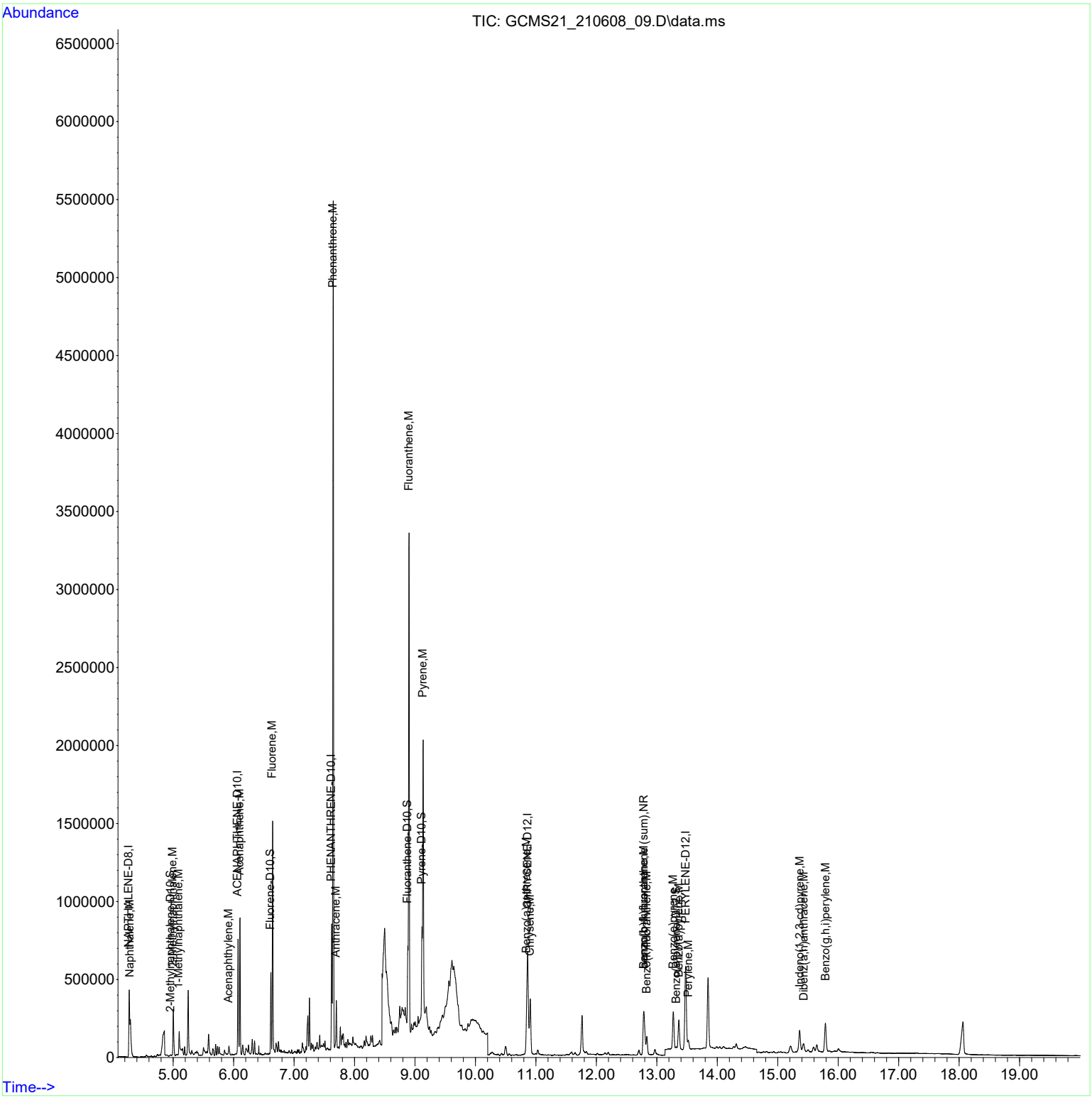
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	
Internal Standards						
1) NAPTHALENE-D8	4.274	136	465970	500.00 ng/mL	0.00	
6) ACENAPHTHENE-D10	6.073	164	285511	500.00 ng/mL	0.00	
11) PHENANTHRENE-D10	7.623	188	594437	500.00 ng/mL	0.00	
16) CHRYSENE-D12	10.864	240	646514	500.00 ng/mL	0.03	
21) PERYLENE-D12	13.476	264	652266m	500.00 ng/mL	0.05	#21) P, D, integrated by MN 07/01/21. Documented KL 07/29/21 in 2nd review.
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.967	152	1689	2.88 ng/mL	0.00	
9) Fluorene-D10	6.617	176	198693	290.68 ng/mL	0.00	
14) Fluoranthene-D10	8.881	212	354503	275.42 ng/mL	0.01	
17) Pyrene-D10	9.115	212	400070	271.22 ng/mL	0.01	
26) Benzo(a)pyrene-D12	13.321	264	20815	19.64 ng/mL	0.04	
Target Compounds					Qvalue	
2) Naphthalene	4.294	128	168119	188.04 ng/mL	99	
4) 2-Methylnaphthalene	5.002	142	131457	199.65 ng/mL	96	
5) 1-Methylnaphthalene	5.100	142	68303	124.54 ng/mL	96	
7) Acenaphthylene	5.922	152	33410	35.26 ng/mL	83	
8) Acenaphthene	6.106	153	252371	347.92 ng/mL	98	
10) Fluorene	6.645	166	571532	711.85 ng/mL	99	
12) Phenanthrene	7.647	178	3328846	2320.32 ng/mL	99	
13) Anthracene	7.699	178	214227	179.58 ng/mL	92	
15) Fluoranthene	8.902	202	2126081	1404.16 ng/mL	99	
18) Pyrene	9.135	202	1168892	678.38 ng/mL	74	
19) Benzo(a)anthracene	10.848	228	286501m	220.32 ng/mL		I, D MN 07.20.21
20) Chrysene	10.907	228	463612	288.77 ng/mL	96	
22) Benzo(b)fluoranthene	12.786	252	457792m	338.12 ng/mL		I, D MN 07.20.21
23) Benzo(k)fluoranthene	12.834	252	152654m	101.73 ng/mL		I, D MN 07.20.21
24) benzo(b+k)fluoranthene...	12.786	252	608709m	413.76 ng/mL		
25) Benzo(e)pyrene	13.271	252	287020	210.18 ng/mL#	69	
27) Benzo(a)pyrene	13.365	252	232076	187.81 ng/mL	99	
28) Perylene	13.523	252	60835m	43.84 ng/mL		I, D MN 07.20.21
29) Indeno(1,2,3-cd)pyrene	15.363	276	192138m	181.71 ng/mL		I, D MN 07.20.21
30) Dibenz(a,h)anthracene	15.428	278	70437m	66.84 ng/mL		I, D MN 07.20.21
31) Benzo(g,h,i)perylene	15.790	276	227623m	165.68 ng/mL		I, D MN 07.20.21

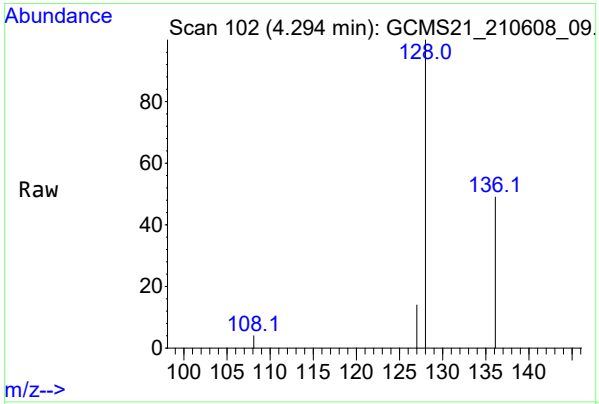
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
...608__WO05008_29_30_35\
Data File : GCMS21_210608_09.D
Acq On : 08 Jun 2021 12:02 pm
Operator : MN GCMS21
Sample : 2105001-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 10:48:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

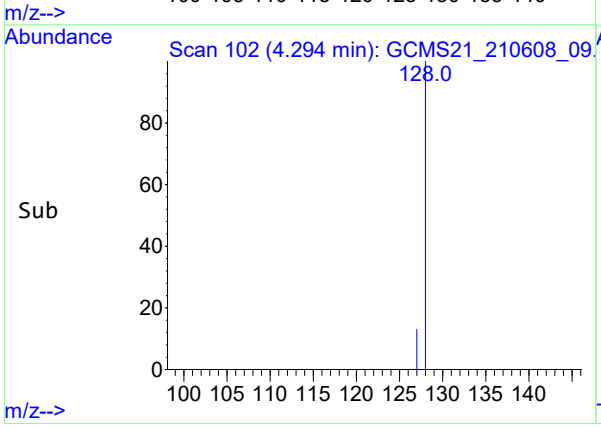


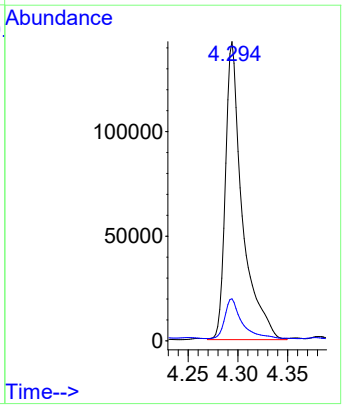


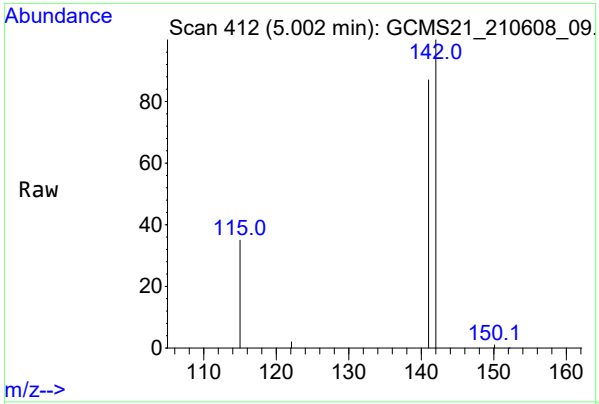
#2
Naphthalene
Concen: 188.04 ng/mL
RT: 4.294 min Scan# 102
Delta R.T. -0.002 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:128 Resp: 168119

Ion	Ratio	Lower	Upper
128	100		
127	13.8	0.0	43.3



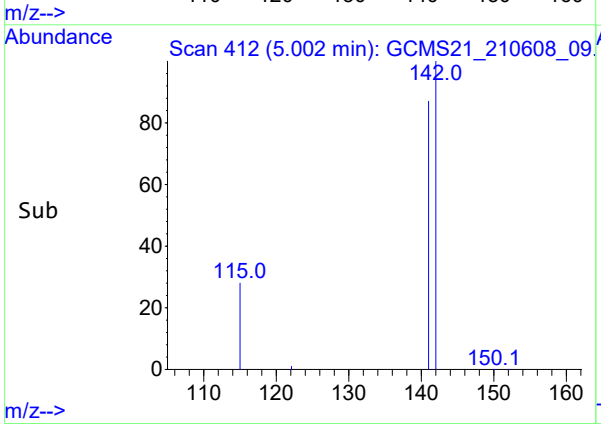


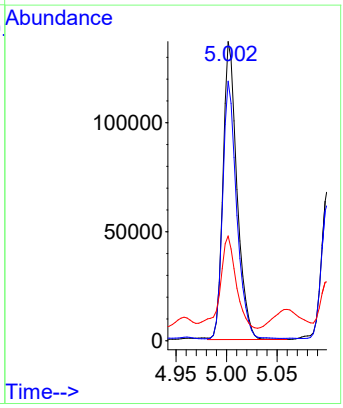


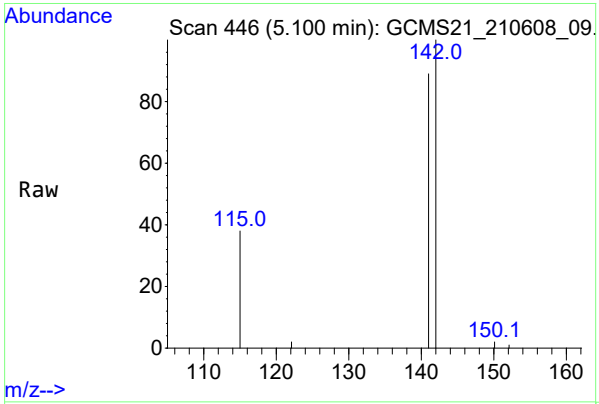
#4
2-Methylnaphthalene
Concen: 199.65 ng/mL
RT: 5.002 min Scan# 412
Delta R.T. 0.000 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:142 Resp: 131457

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.3	116.3
115	35.1	0.0	57.4



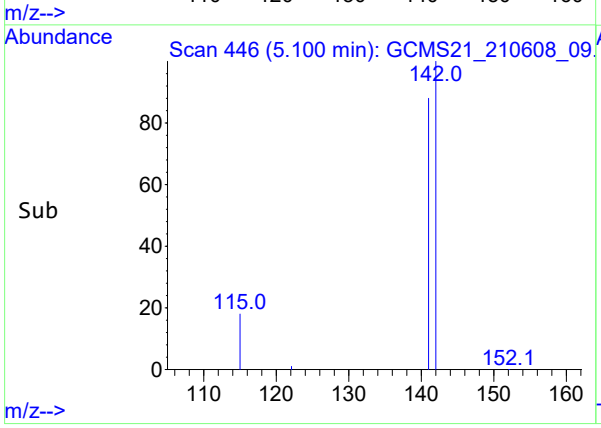


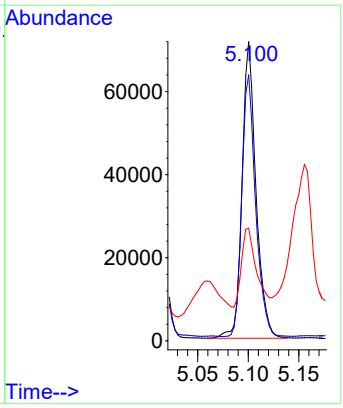


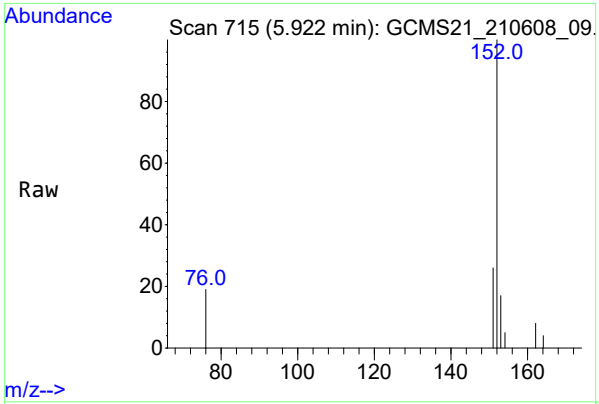
#5
1-Methylnaphthalene
Concen: 124.54 ng/mL
RT: 5.100 min Scan# 446
Delta R.T. 0.003 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:142 Resp: 68303

Ion	Ratio	Lower	Upper
142	100		
141	87.3	61.5	121.5
115	27.9	0.2	60.2



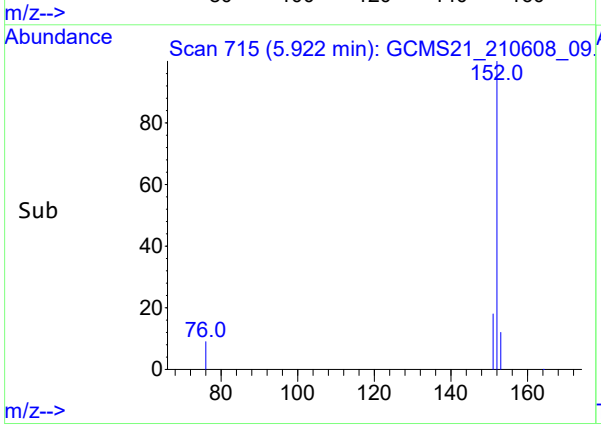


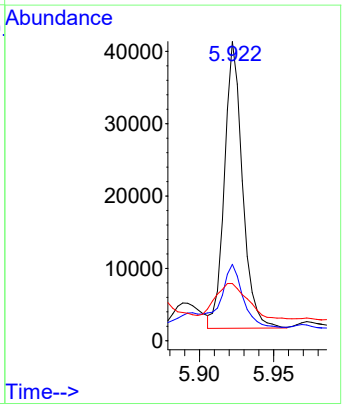


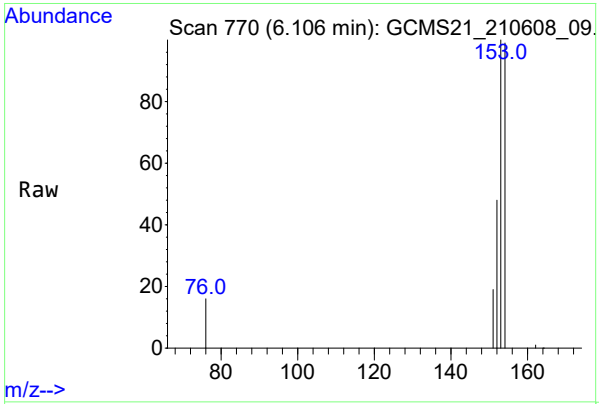
#7
Acenaphthylene
Concen: 35.26 ng/mL
RT: 5.922 min Scan# 715
Delta R.T. 0.007 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:152 Resp: 33410

Ion	Ratio	Lower	Upper
152	100		
151	26.8	0.0	52.0
76	21.8	0.0	39.5



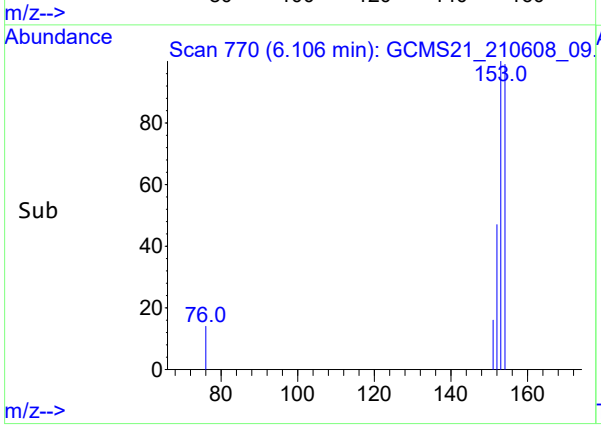


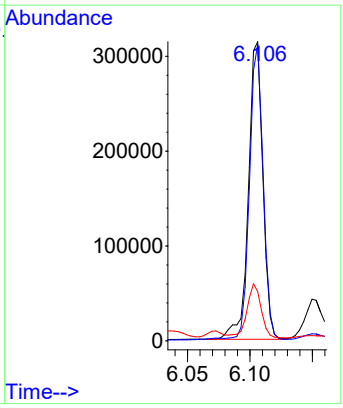


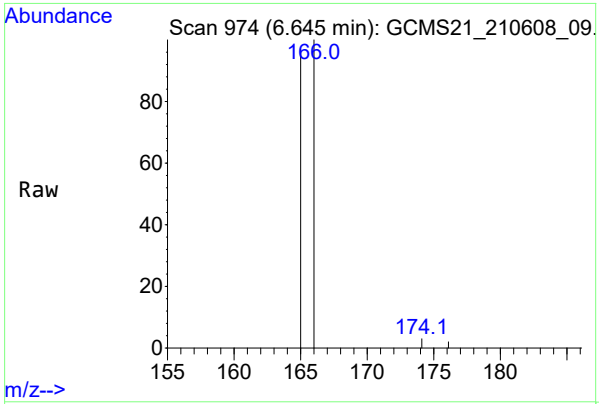
#8
Acenaphthene
Concen: 347.92 ng/mL
RT: 6.106 min Scan# 770
Delta R.T. 0.007 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:153 Resp: 252371

Ion	Ratio	Lower	Upper
153	100		
154	92.8	60.4	120.4
76	17.7	0.0	47.4



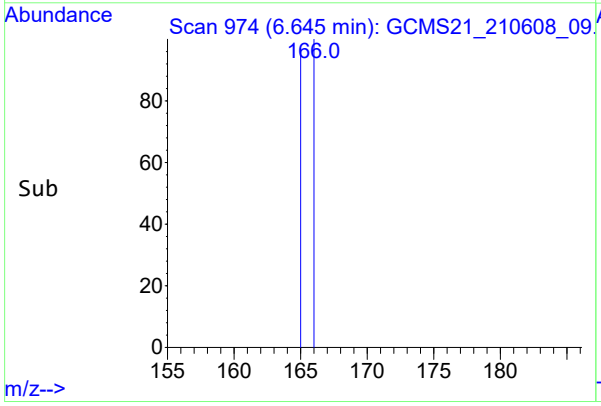


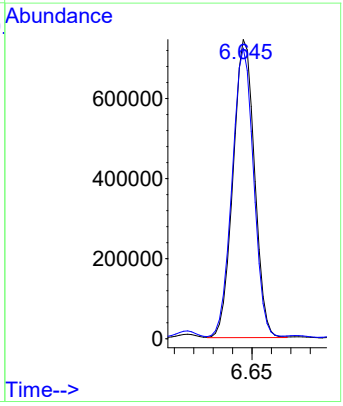


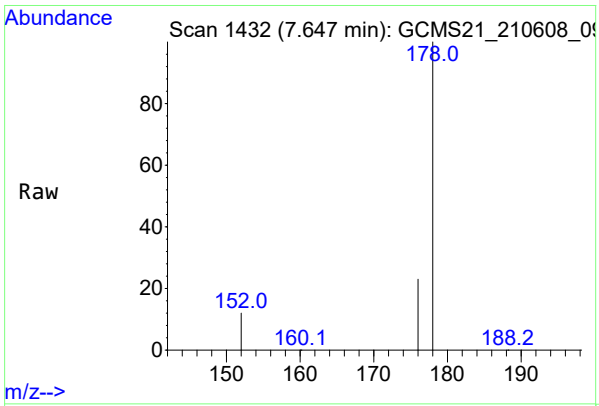
#10
Fluorene
Concen: 711.85 ng/mL
RT: 6.645 min Scan# 974
Delta R.T. 0.004 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:166 Resp: 571532

Ion	Ratio	Lower	Upper
166	100		
165	96.3	65.1	125.1



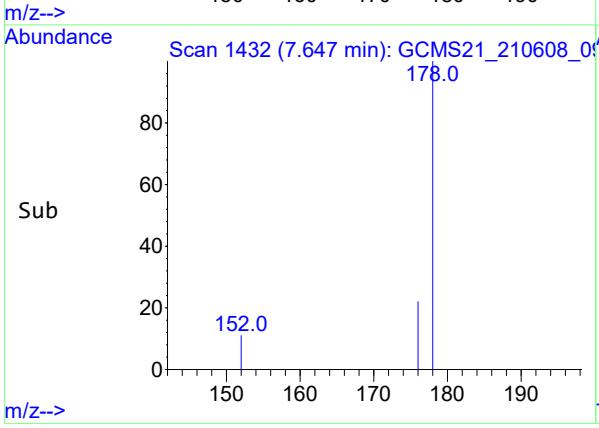


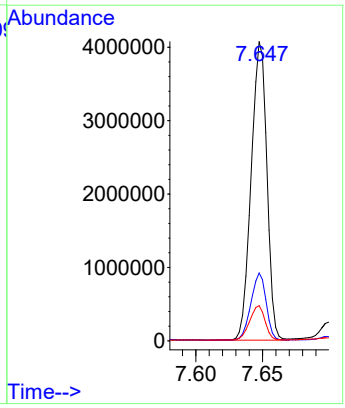


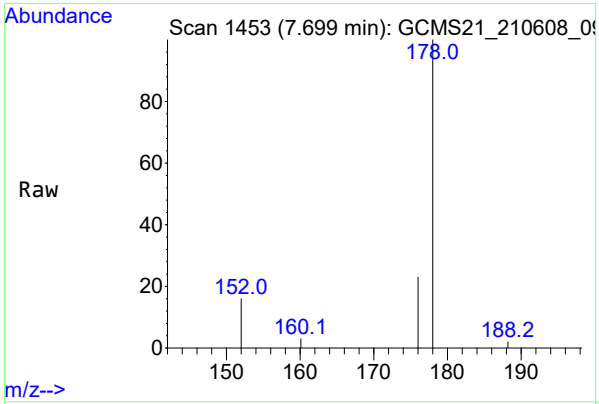
#12
Phenanthrene
Concen: 2320.32 ng/mL
RT: 7.647 min Scan# 1432
Delta R.T. 0.010 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:178 Resp: 3328846

Ion	Ratio	Lower	Upper
178	100		
176	21.5	0.0	51.1
152	11.1	0.0	40.6



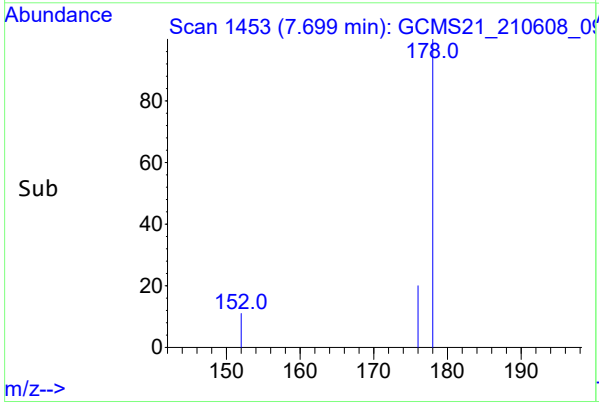


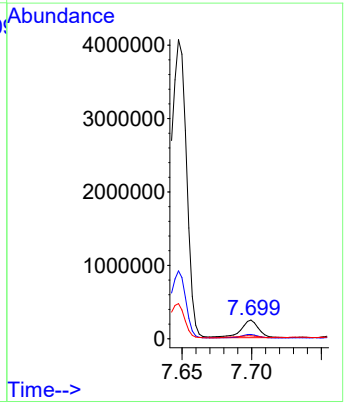


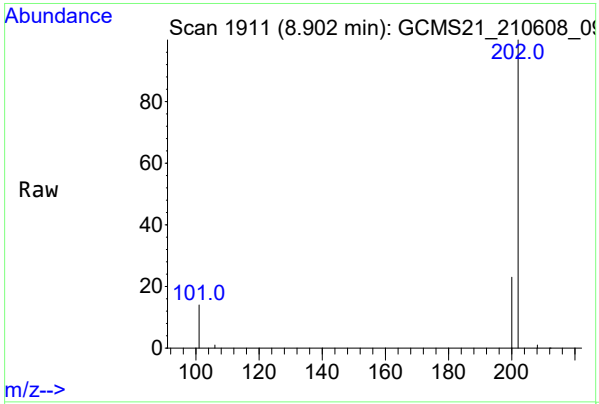
#13
Anthracene
Concen: 179.58 ng/mL
RT: 7.699 min Scan# 1453
Delta R.T. 0.007 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:178 Resp: 214227

Ion	Ratio	Lower	Upper
178	100		
176	18.5	0.0	50.4
152	14.2	0.0	38.3



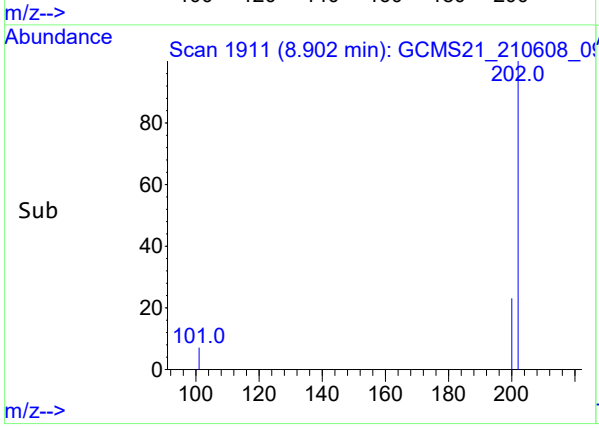


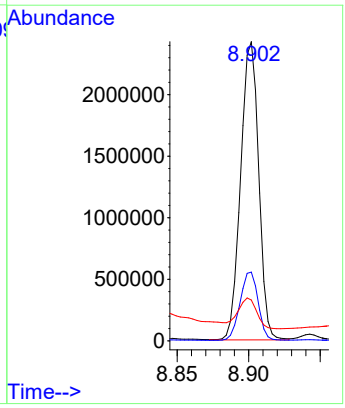


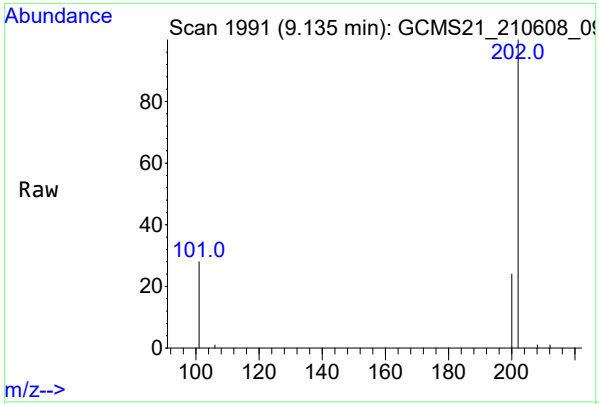
#15
Fluoranthene
Concen: 1404.16 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.015 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:202 Resp: 2126081

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.2
101	10.7	0.0	41.8



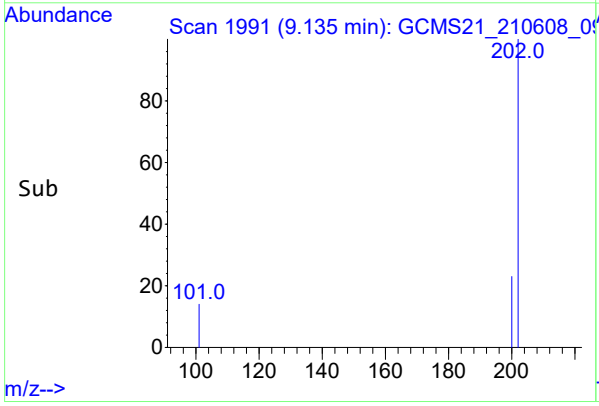


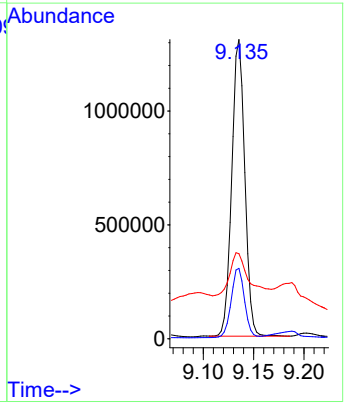


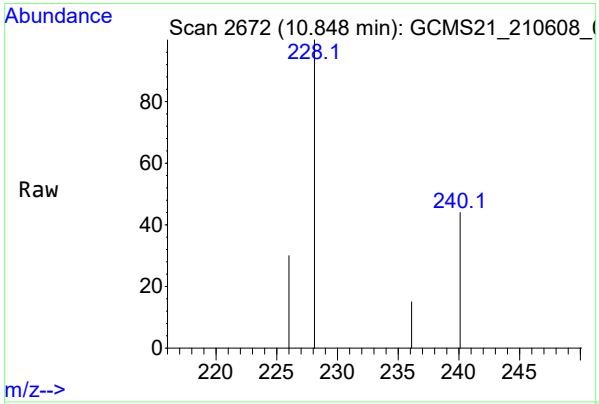
#18
Pyrene
Concen: 678.38 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.015 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:202 Resp: 1168892

Ion	Ratio	Lower	Upper
202	100		
200	24.2	0.0	54.2
101	43.4	0.0	44.6



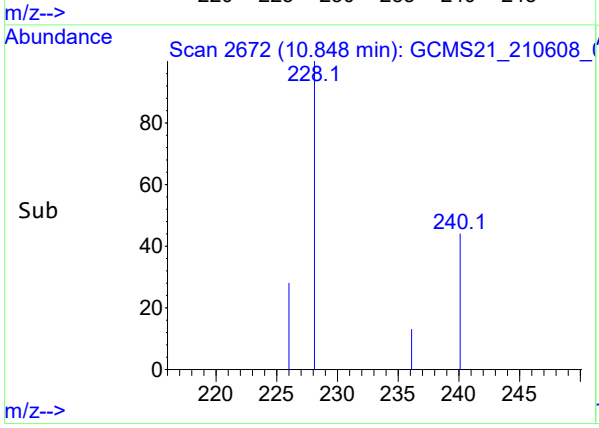


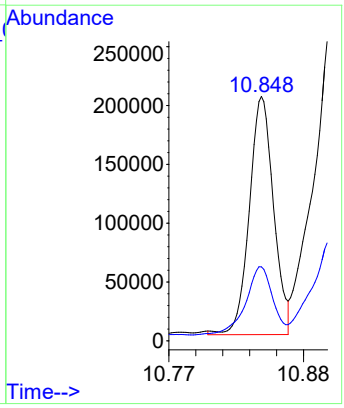


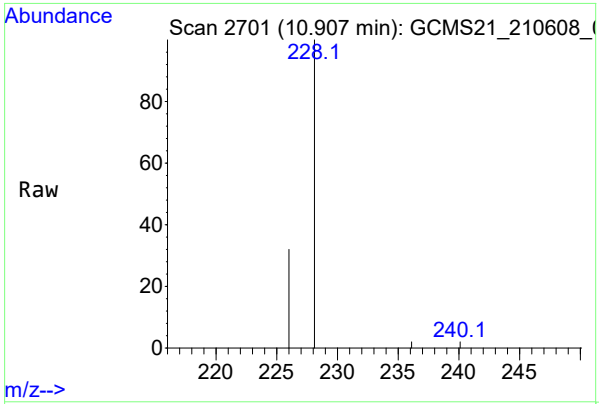
#19
Benzo(a)anthracene
Concen: 220.32 ng/mL m
RT: 10.848 min Scan# 2672
Delta R.T. 0.027 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:228 Resp: 286501

Ion	Ratio	Lower	Upper
228	100		
226	0.0	0.0	59.9



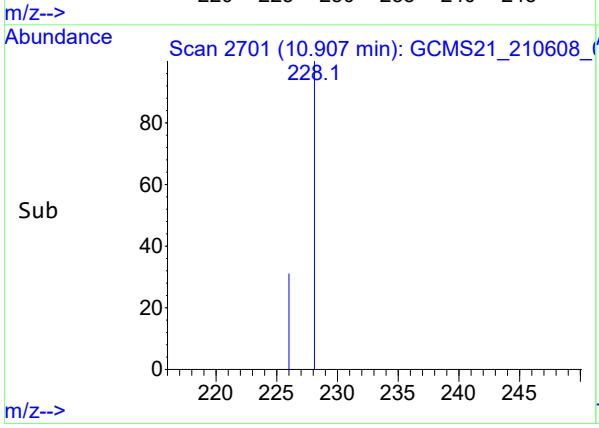


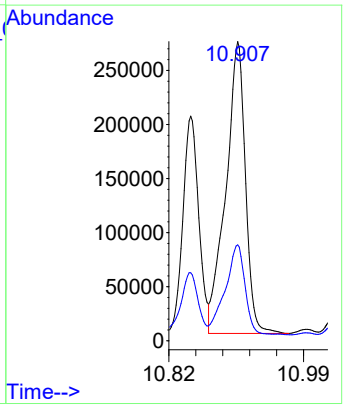


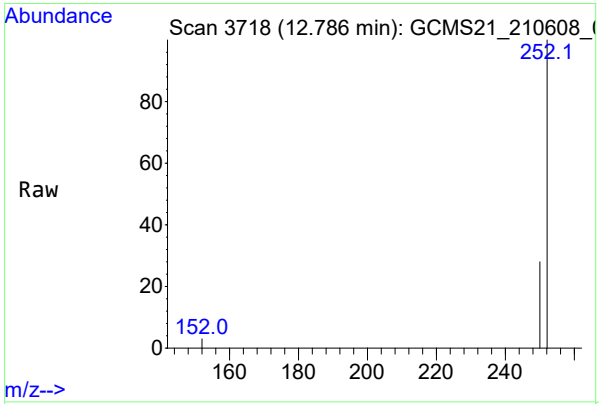
#20
Chrysene
Concen: 288.77 ng/mL
RT: 10.907 min Scan# 2701
Delta R.T. 0.029 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:228 Resp: 463612

Ion	Ratio	Lower	Upper
228	100		
226	30.8	2.8	62.8



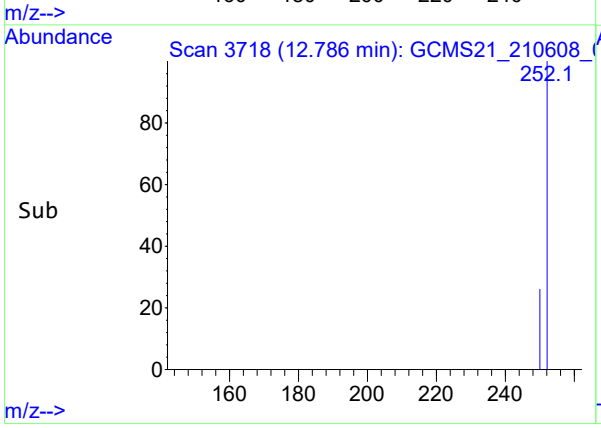


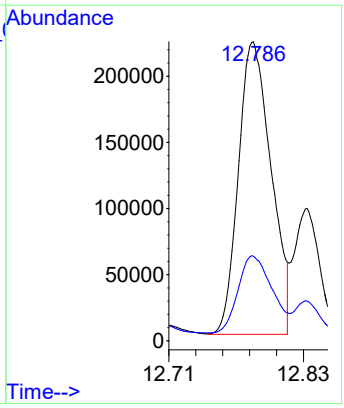


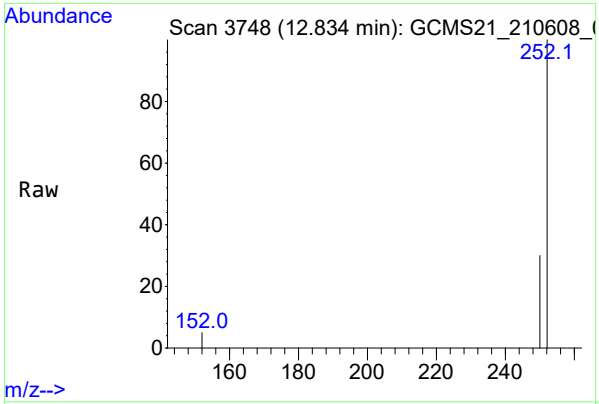
#22
Benzo(b)fluoranthene
Concen: 338.12 ng/mL m
RT: 12.786 min Scan# 3718
Delta R.T. 0.044 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:252 Resp: 457792

Ion	Ratio	Lower	Upper
252	100		
250	2.6	0.0	56.2



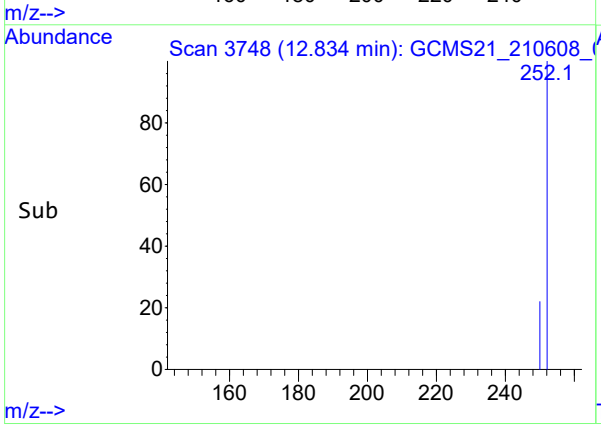


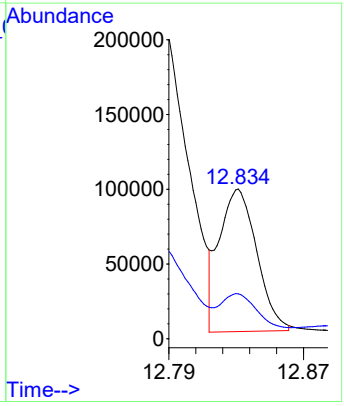


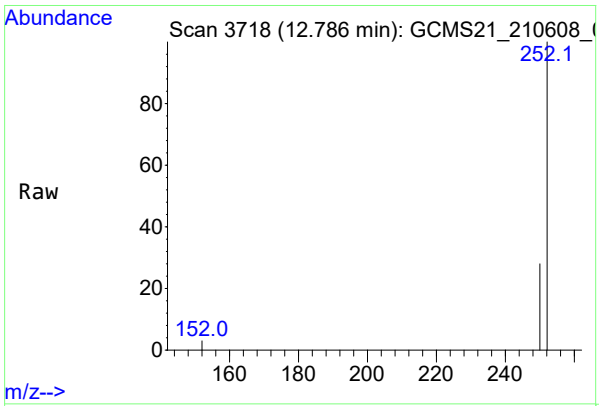
#23
Benzo(k)fluoranthene
Concen: 101.73 ng/mL m
RT: 12.834 min Scan# 3748
Delta R.T. 0.039 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:252 Resp: 152654

Ion	Ratio	Lower	Upper
252	100		
250	82.1	0.0	55.6#



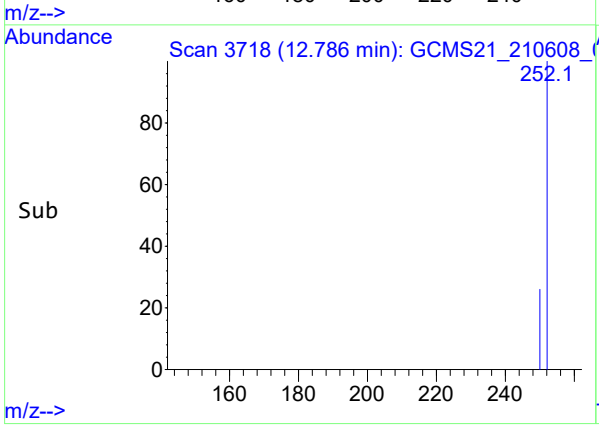


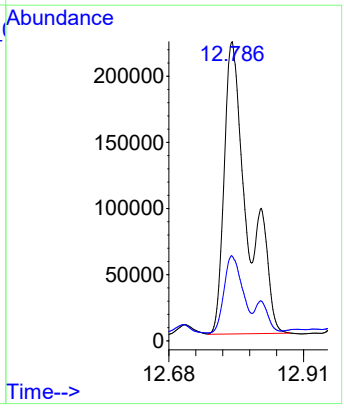


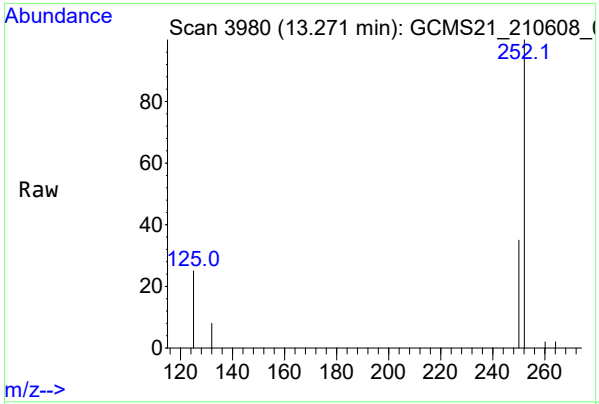
#24
benzo(b+k)fluoranthene (sum)
Concen: 413.76 ng/mL m
RT: 12.786 min Scan# 3718
Delta R.T. -0.010 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:252 Resp: 608709

Ion	Ratio	Lower	Upper
252	100		
250	20.6	0.0	55.6



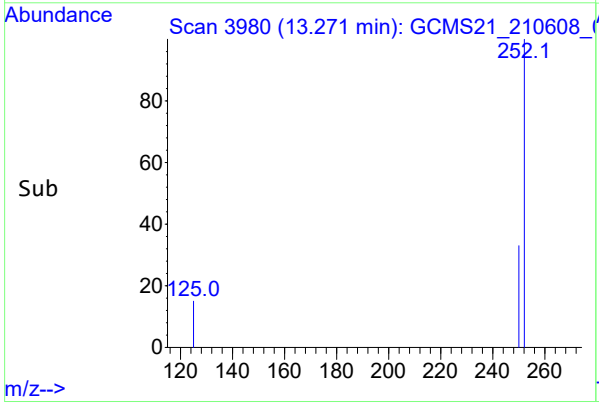


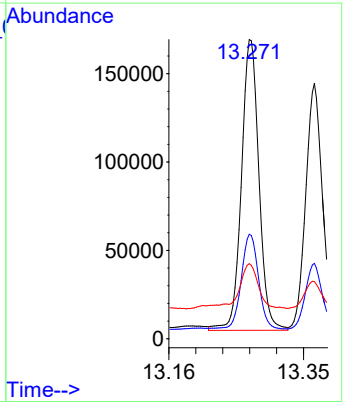


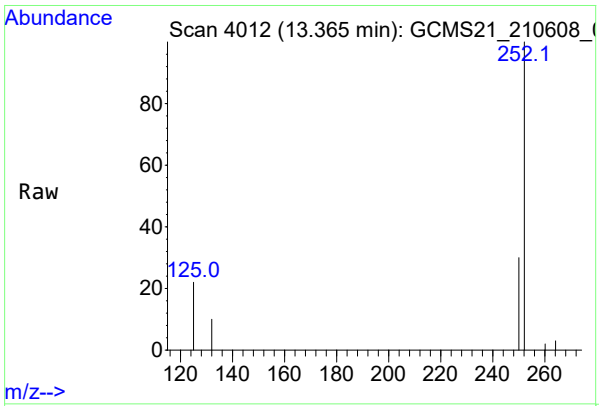
#25
Benzo(e)pyrene
Concen: 210.18 ng/mL
RT: 13.271 min Scan# 3980
Delta R.T. 0.041 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:252 Resp: 287020

Ion	Ratio	Lower	Upper
252	100		
250	31.9	2.3	62.3
125	55.2	0.0	46.1#



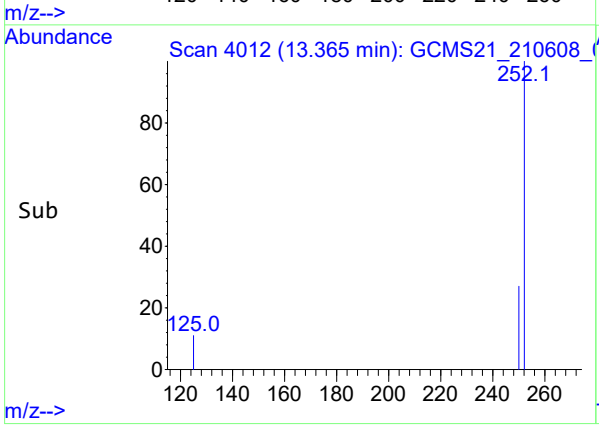


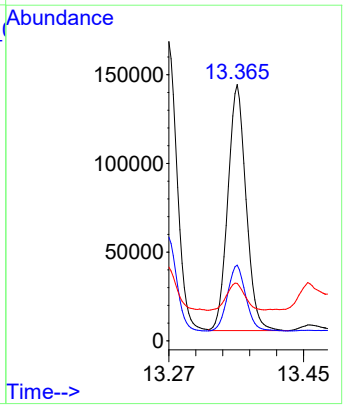


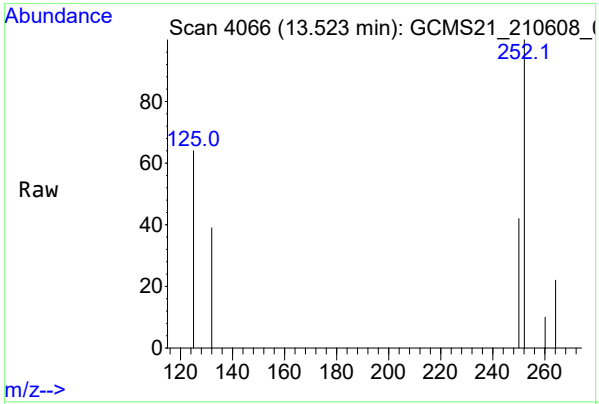
#27
Benzo(a)pyrene
Concen: 187.81 ng/mL
RT: 13.365 min Scan# 4012
Delta R.T. 0.044 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:252 Resp: 232076

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.6
125	11.0	0.0	42.1



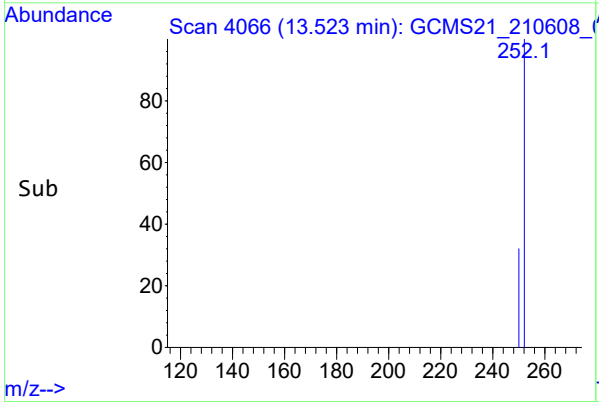


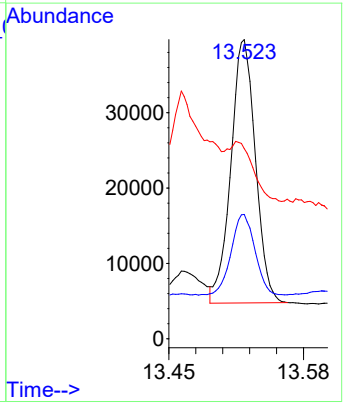


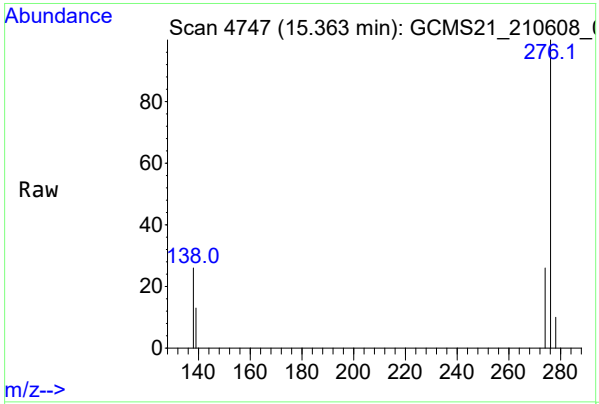
#28
Perylene
Concen: 43.84 ng/mL m
RT: 13.523 min Scan# 4066
Delta R.T. 0.047 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:252 Resp: 60835

Ion	Ratio	Lower	Upper
252	100		
250	35.0	1.2	61.2
125	28.0	0.0	46.7



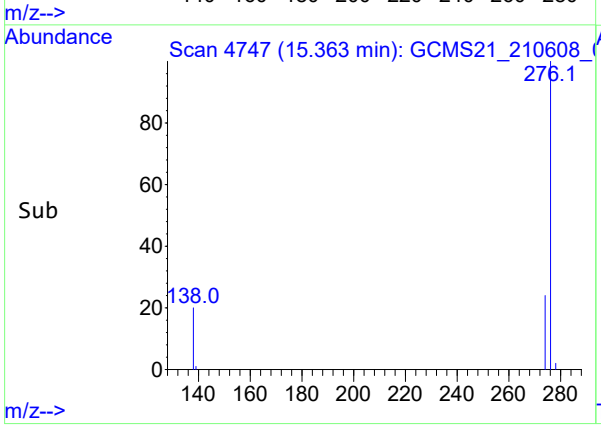


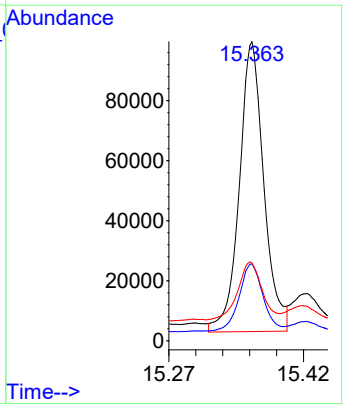


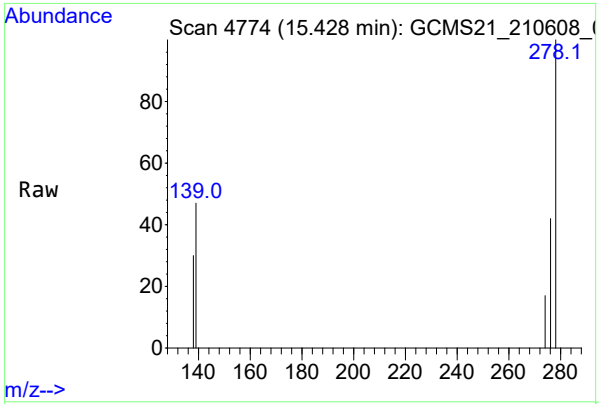
#29
Indeno(1,2,3-cd)pyrene
Concen: 181.71 ng/mL m
RT: 15.363 min Scan# 4747
Delta R.T. 0.063 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:276 Resp: 192138

Ion	Ratio	Lower	Upper
276	100		
274	27.3	0.0	53.4
138	20.1	0.0	51.2



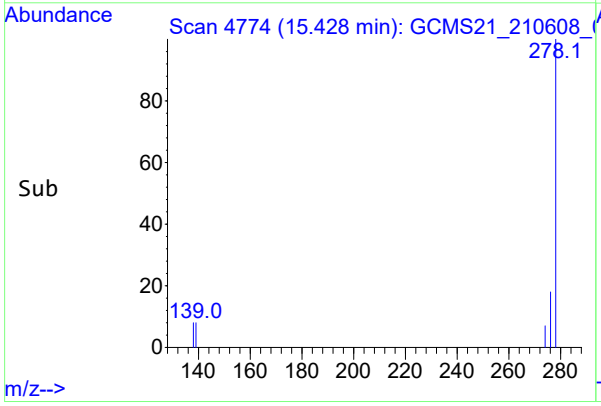


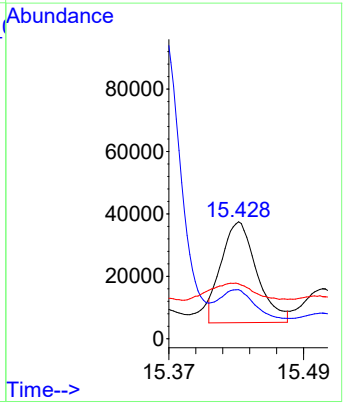


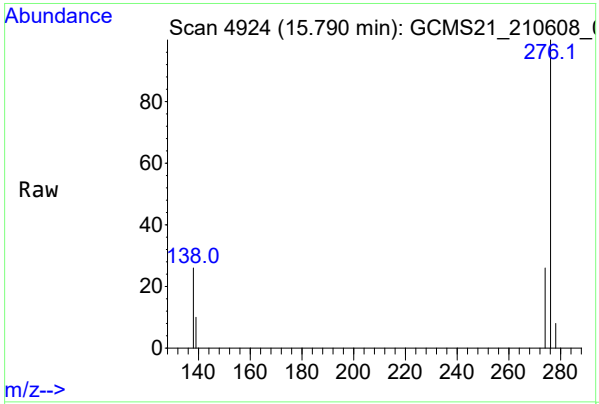
#30
Dibenz(a,h)anthracene
Concen: 66.84 ng/mL m
RT: 15.428 min Scan# 4774
Delta R.T. 0.056 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:278 Resp: 70437

Ion	Ratio	Lower	Upper
278	100		
276	47.8	0.0	58.4
139	32.9	0.0	47.7



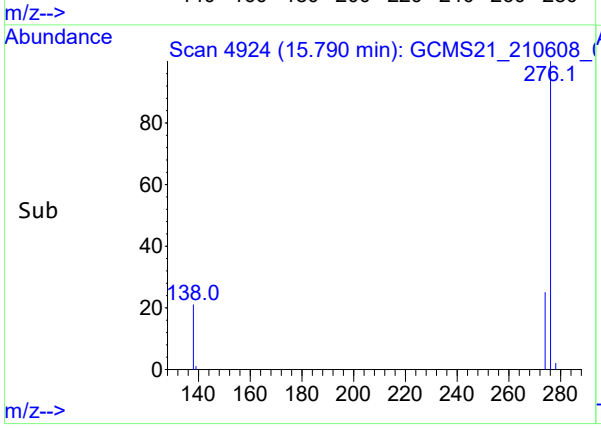


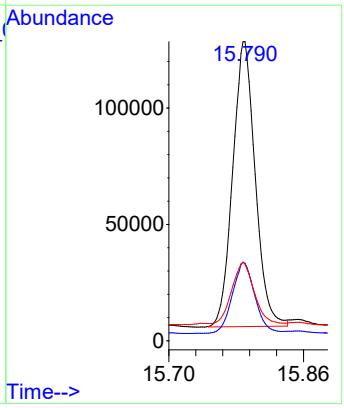


#31
Benzo(g,h,i)perylene
Concen: 165.68 ng/mL m
RT: 15.790 min Scan# 4924
Delta R.T. 0.065 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02 pm

Tgt Ion:276 Resp: 227623

Ion	Ratio	Lower	Upper
276	100		
274	26.7	0.0	54.3
138	27.5	0.0	53.0





Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_09.D
Acq On : 08 Jun 2021 12:02
Operator : MN GCMS21
Sample : 2105001-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 10:48:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

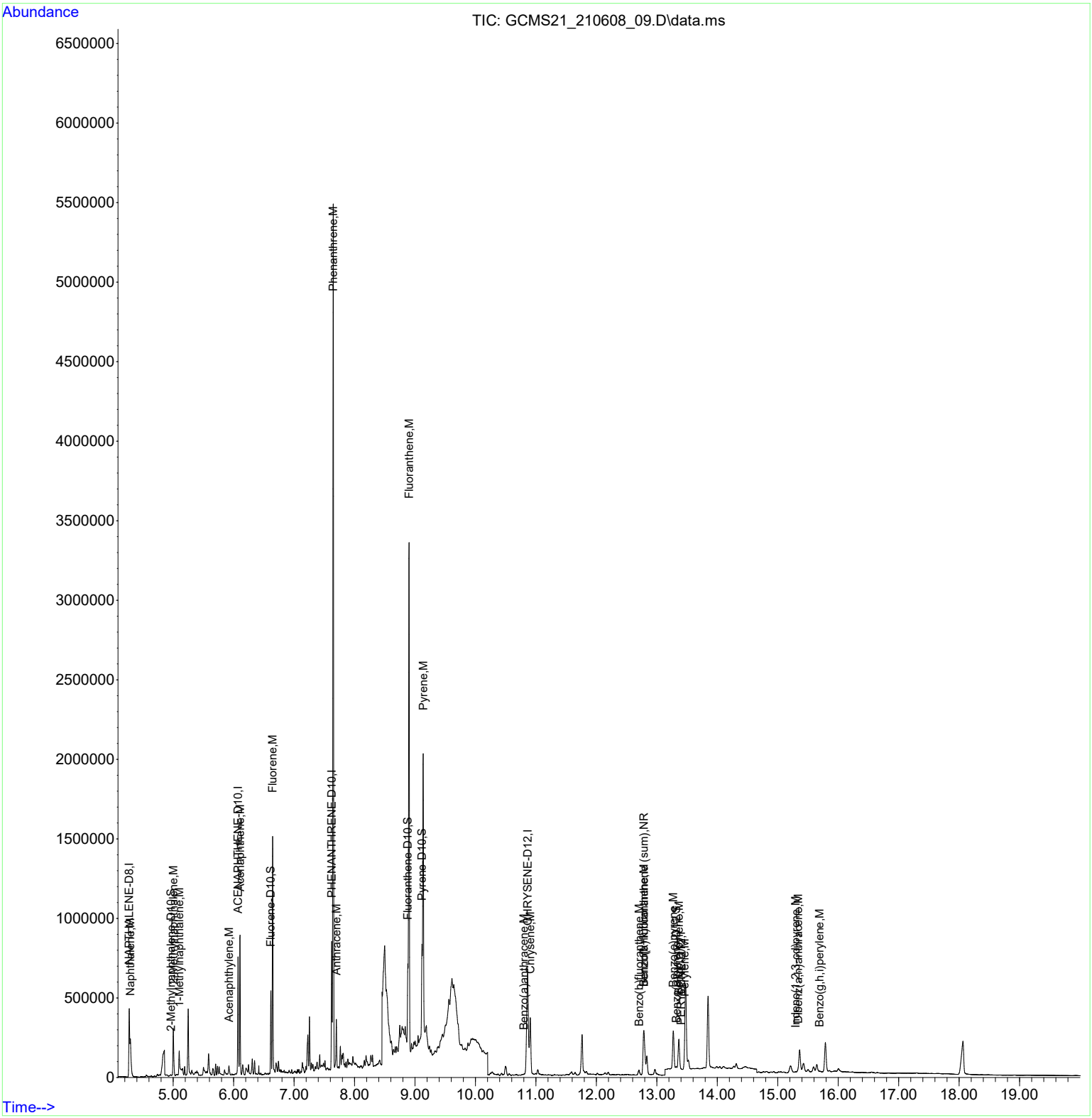
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) NAPTHALENE-D8	4.274	136	465970	500.00 ng/mL	0.00
6) ACENAPHTHENE-D10	6.073	164	285511	500.00 ng/mL	0.00
11) PHENANTHRENE-D10	7.623	188	594437	500.00 ng/mL	0.00
16) CHRYSENE-D12	10.864	240	646514	500.00 ng/mL	0.03
21) PERYLENE-D12	13.400	264	200	500.00 ng/mL	#-0.03
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10	4.967	152	1689	2.88 ng/mL	0.00
9) Fluorene-D10	6.617	176	198693	290.68 ng/mL	0.00
14) Fluoranthene-D10	8.881	212	354503	275.42 ng/mL	0.01
17) Pyrene-D10	9.115	212	400070	271.22 ng/mL	0.01
26) Benzo(a)pyrene-D12	13.321	264	20815	64057.84 ng/mL	0.04
Target Compounds					Qvalue
2) Naphthalene	4.294	128	168119	188.04 ng/mL	99
4) 2-Methylnaphthalene	5.002	142	131457	199.65 ng/mL	96
5) 1-Methylnaphthalene	5.100	142	68303	124.54 ng/mL	96
7) Acenaphthylene	5.922	152	33410	35.26 ng/mL	83
8) Acenaphthene	6.106	153	252371	347.92 ng/mL	98
10) Fluorene	6.645	166	571532	711.85 ng/mL	99
12) Phenanthrene	7.647	178	3328846	2320.32 ng/mL	99
13) Anthracene	7.699	178	214227	179.58 ng/mL	92
15) Fluoranthene	8.902	202	2126081	1404.16 ng/mL	99
18) Pyrene	9.135	202	1168892	678.38 ng/mL	74
19) Benzo(a)anthracene	10.803	228	4494	3.46 ng/mL#	45
20) Chrysene	10.907	228	463612	288.77 ng/mL	96
22) Benzo(b)fluoranthene	12.707	252	14509	34948.60 ng/mL#	1
23) Benzo(k)fluoranthene	12.786	252	462575	1005391.22 ng/mL	97
24) benzo(b+k)fluoranthene...	12.786	252	463076	1026565.58 ng/mL	97
25) Benzo(e)pyrene	13.271	252	287020	685456.03 ng/mL#	69
27) Benzo(a)pyrene	13.365	252	232076	612526.52 ng/mL	99
28) Perylene	13.458	252	8873	20852.82 ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.296	276	791	2439.73 ng/mL#	1
30) Dibenz(a,h)anthracene	15.339	278	11803	36527.19 ng/mL#	59
31) Benzo(g,h,i)perylene	15.691	276	1627	3862.32 ng/mL	84

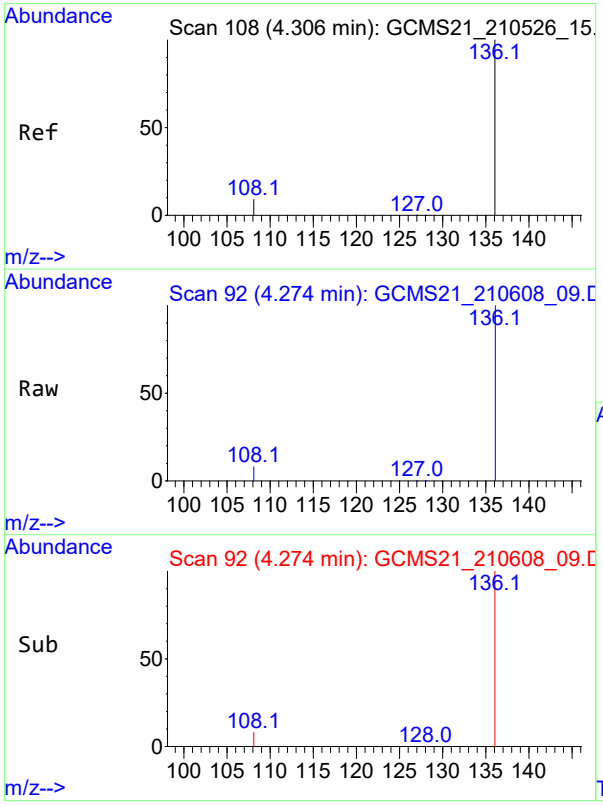
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_09.D
Acq On : 08 Jun 2021 12:02
Operator : MN GCMS21
Sample : 2105001-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 10:48:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

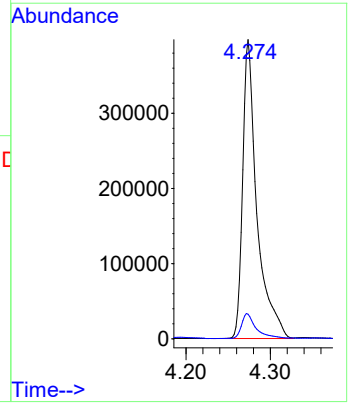


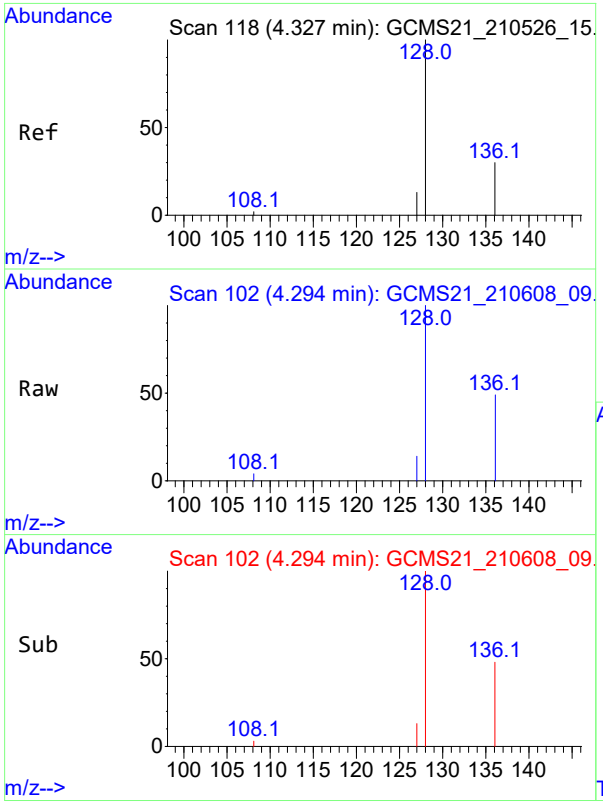


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.274 min Scan# 92
Delta R.T. -0.002 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:136 Resp: 465970

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

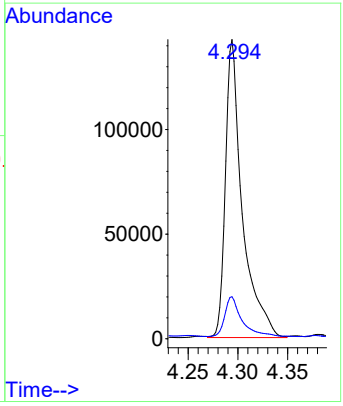


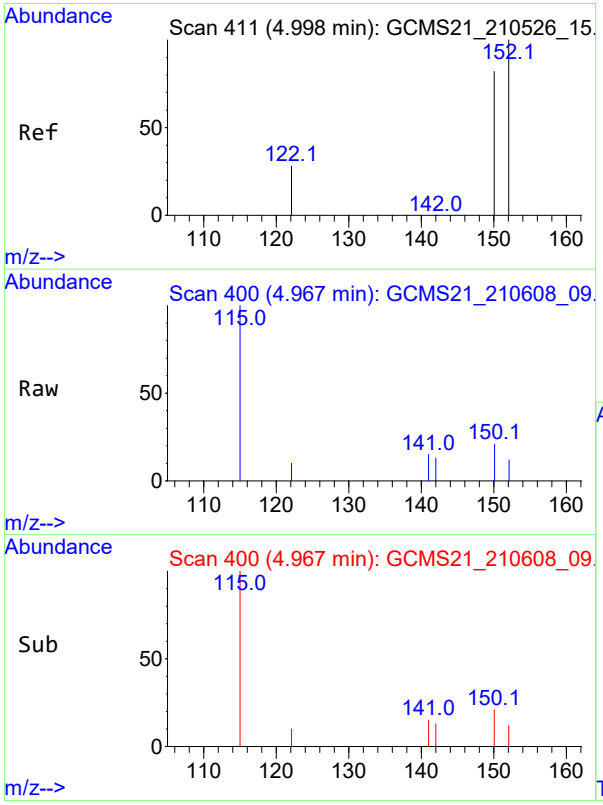


#2
Naphthalene
Concen: 188.04 ng/mL
RT: 4.294 min Scan# 102
Delta R.T. -0.002 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:128 Resp: 168119

Ion	Ratio	Lower	Upper
128	100		
127	13.8	0.0	43.3

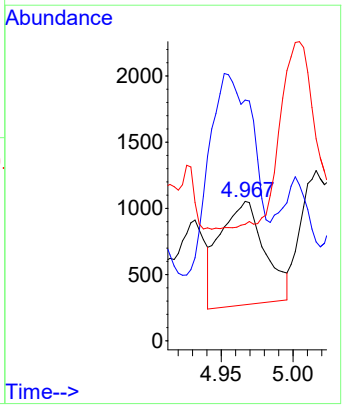


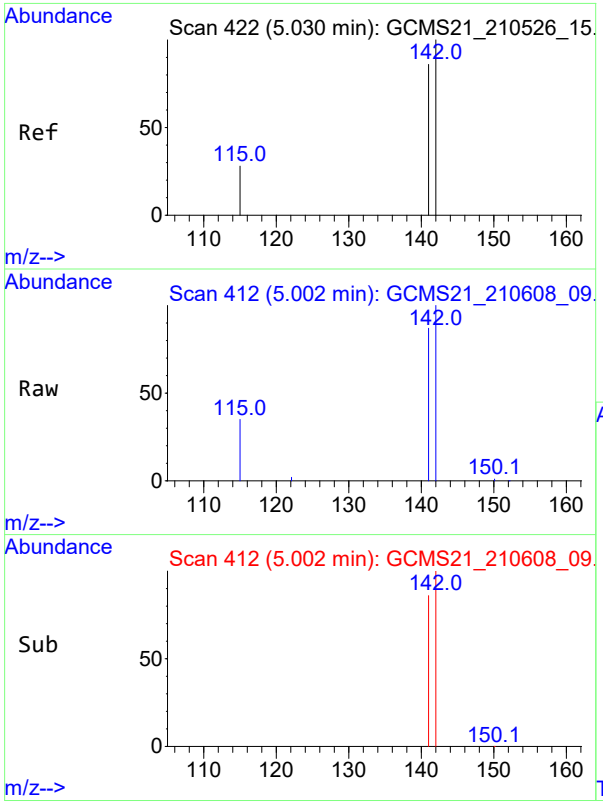


#3
2-Methylnaphthalene-D10
Concen: 2.88 ng/mL
RT: 4.967 min Scan# 400
Delta R.T. -0.003 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:152 Resp: 1689

Ion	Ratio	Lower	Upper
152	100		
150	196.6	52.3	112.3#
122	0.0	0.0	57.5

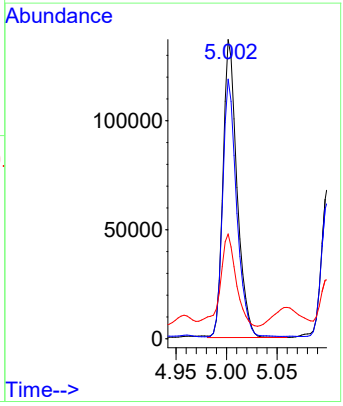


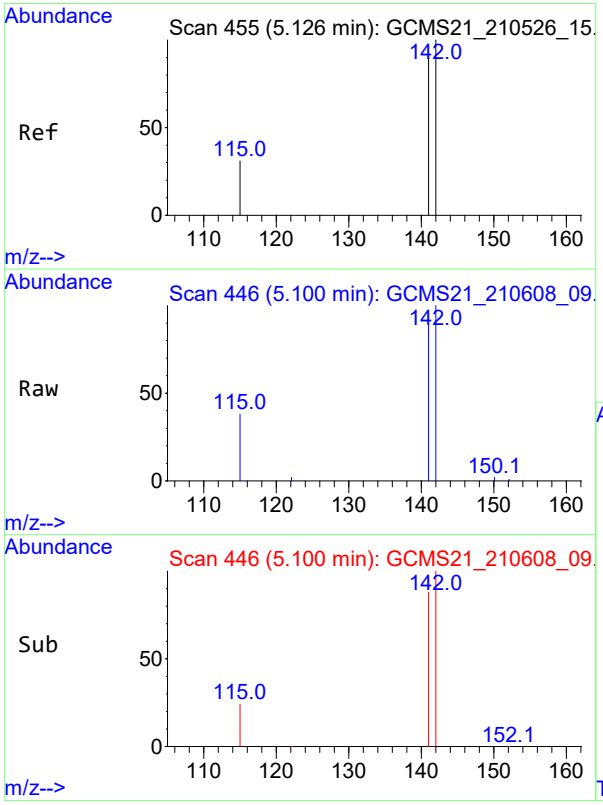


#4
2-Methylnaphthalene
Concen: 199.65 ng/mL
RT: 5.002 min Scan# 412
Delta R.T. 0.000 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:142 Resp: 131457

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.3	116.3
115	35.1	0.0	57.4

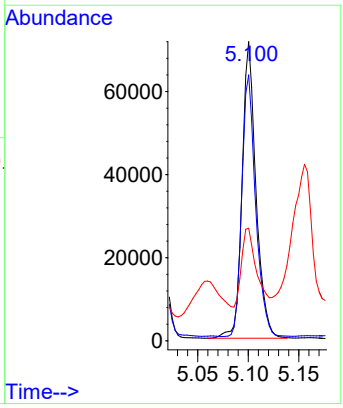


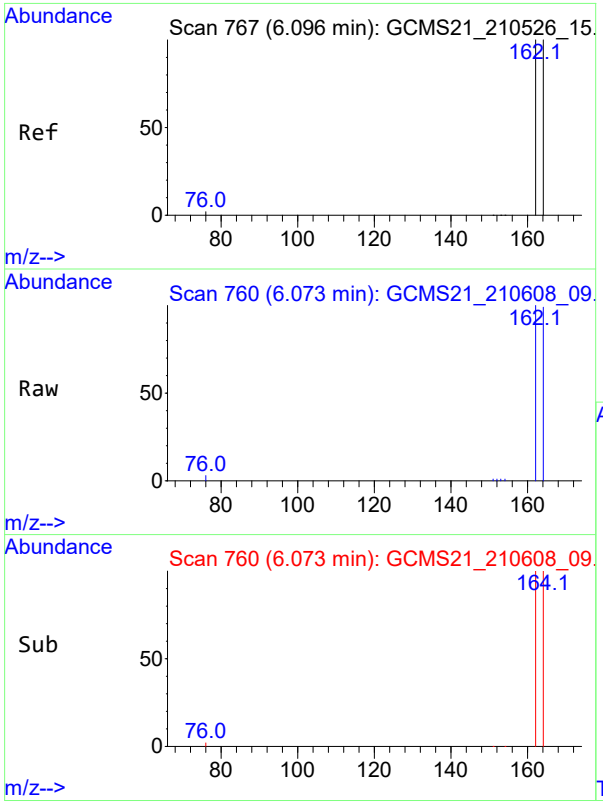


#5
1-Methylnaphthalene
Concen: 124.54 ng/mL
RT: 5.100 min Scan# 446
Delta R.T. 0.003 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:142 Resp: 68303

Ion	Ratio	Lower	Upper
142	100		
141	87.3	61.5	121.5
115	27.9	0.2	60.2

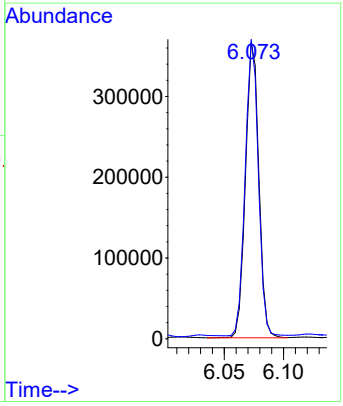


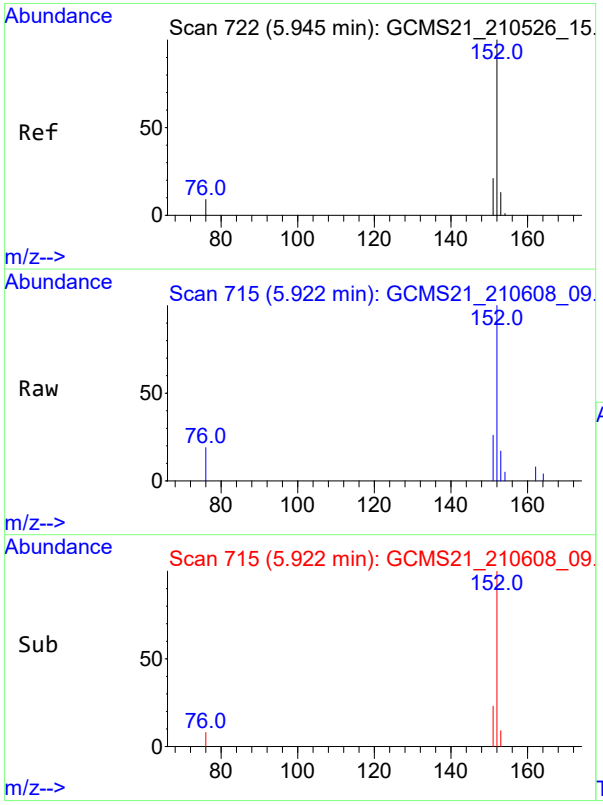


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.073 min Scan# 760
Delta R.T. 0.003 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:164 Resp: 285511

Ion	Ratio	Lower	Upper
164	100		
162	99.0	77.7	117.7

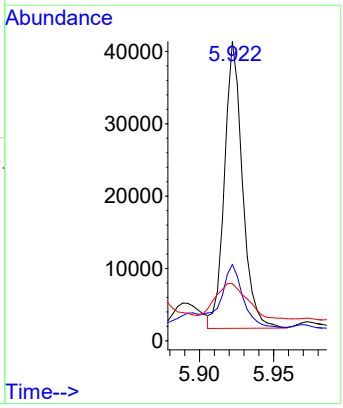


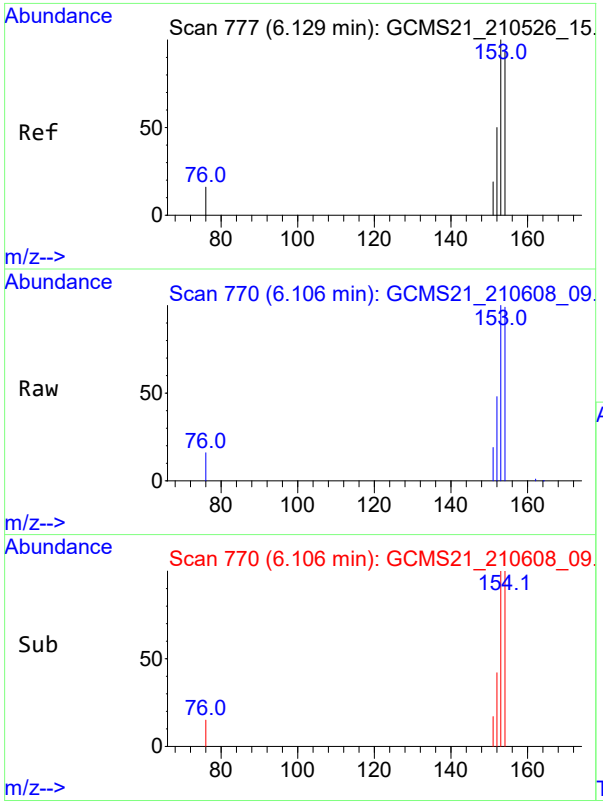


#7
Acenaphthylene
Concen: 35.26 ng/mL
RT: 5.922 min Scan# 715
Delta R.T. 0.007 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:152 Resp: 33410

Ion	Ratio	Lower	Upper
152	100		
151	26.8	0.0	52.0
76	21.8	0.0	39.5

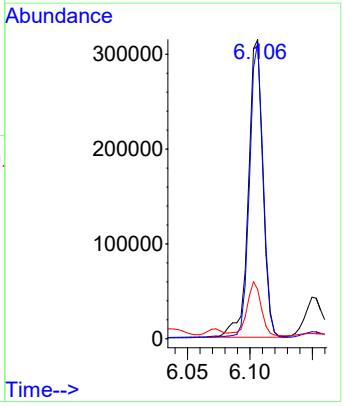


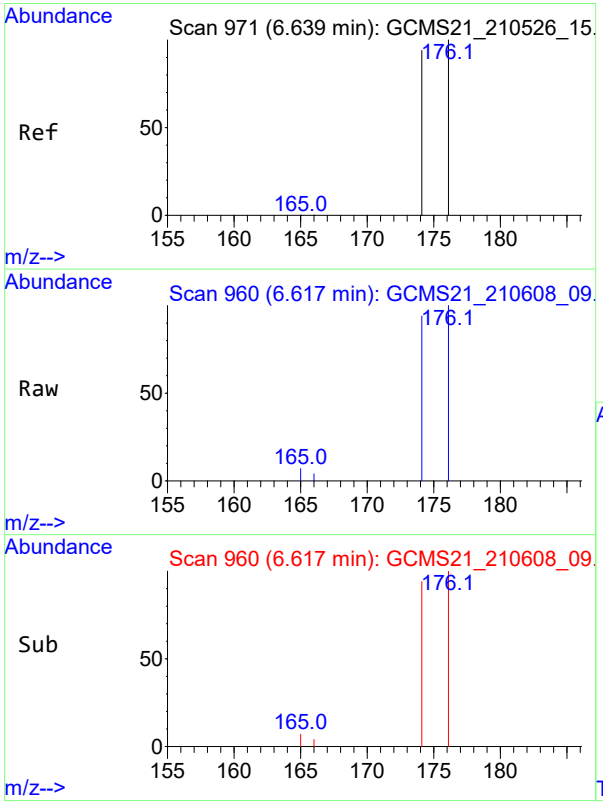


#8
Acenaphthene
Concen: 347.92 ng/mL
RT: 6.106 min Scan# 770
Delta R.T. 0.007 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:153 Resp: 252371

Ion	Ratio	Lower	Upper
153	100		
154	92.8	60.4	120.4
76	17.7	0.0	47.4

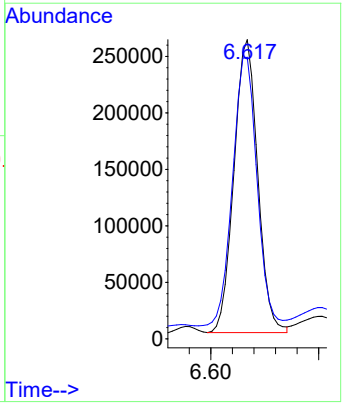


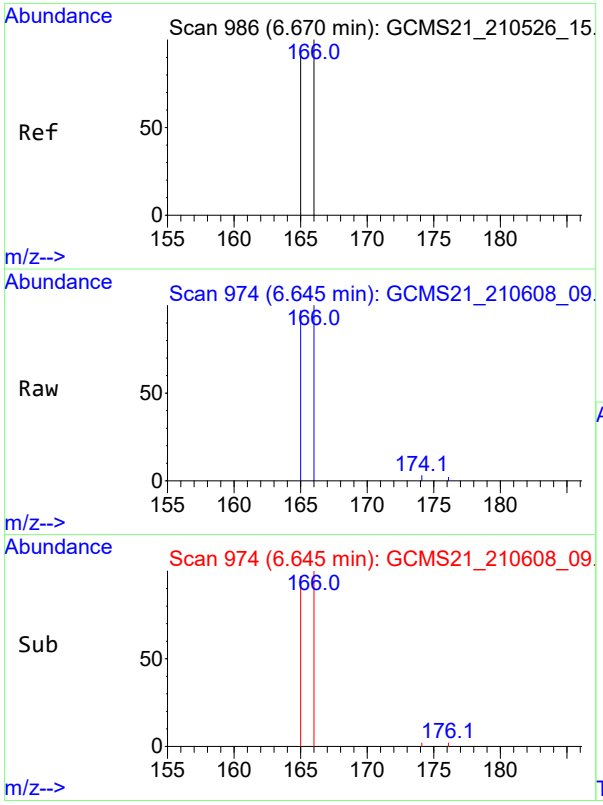


#9
Fluorene-D10
Concen: 290.68 ng/mL
RT: 6.617 min Scan# 960
Delta R.T. 0.006 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:176 Resp: 198693

Ion	Ratio	Lower	Upper
176	100		
174	101.6	63.9	123.9

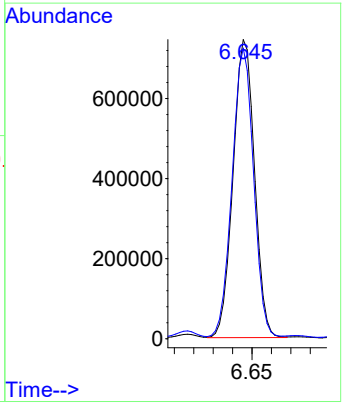


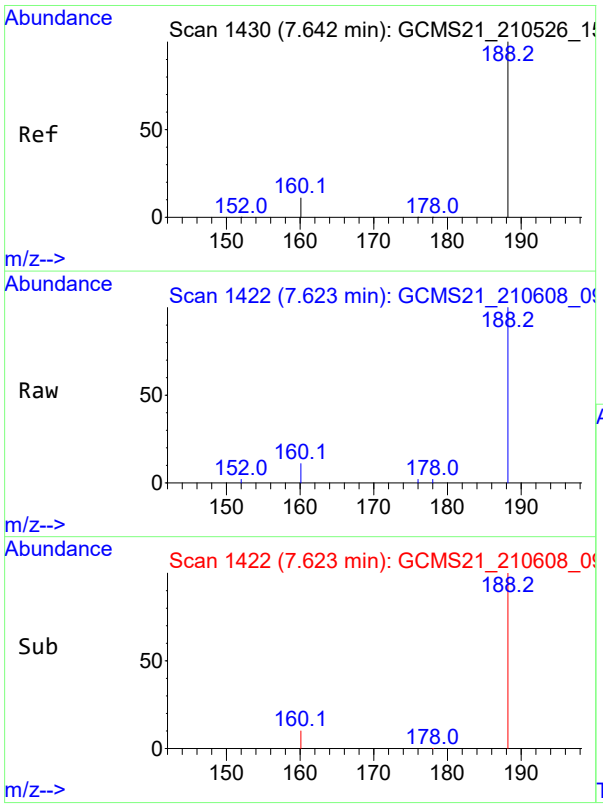


#10
Fluorene
Concen: 711.85 ng/mL
RT: 6.645 min Scan# 974
Delta R.T. 0.004 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:166 Resp: 571532

Ion	Ratio	Lower	Upper
166	100		
165	96.3	65.1	125.1

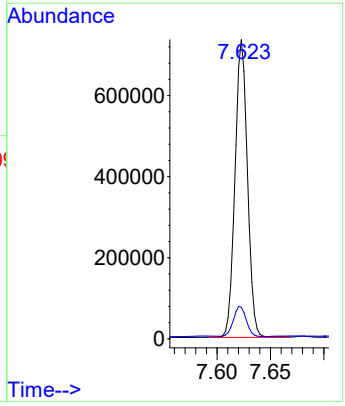


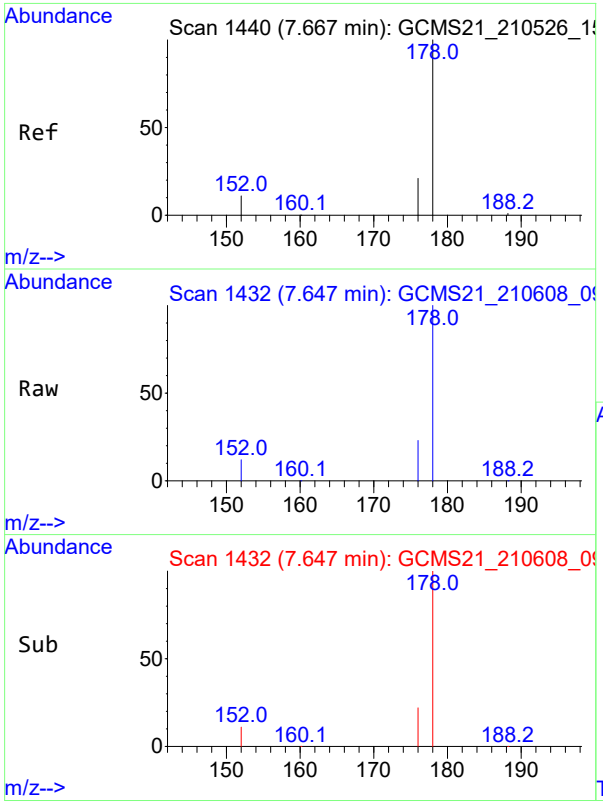


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.623 min Scan# 1422
Delta R.T. 0.008 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:188 Resp: 594437

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	39.8

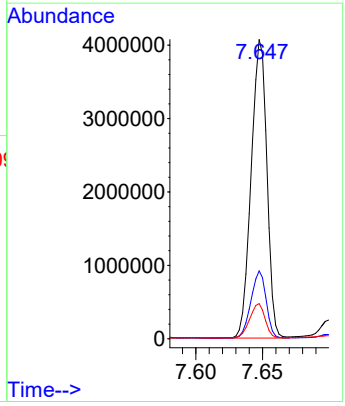


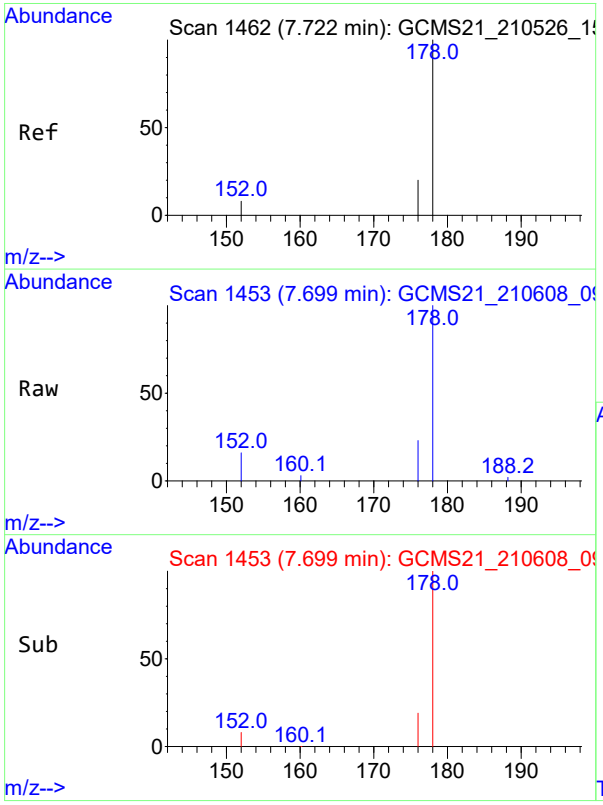


#12
Phenanthrene
Concen: 2320.32 ng/mL
RT: 7.647 min Scan# 1432
Delta R.T. 0.010 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:178 Resp: 3328846

Ion	Ratio	Lower	Upper
178	100		
176	21.5	0.0	51.1
152	11.1	0.0	40.6

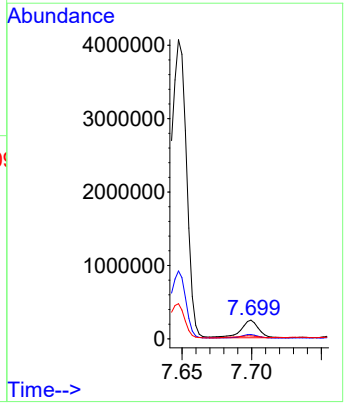


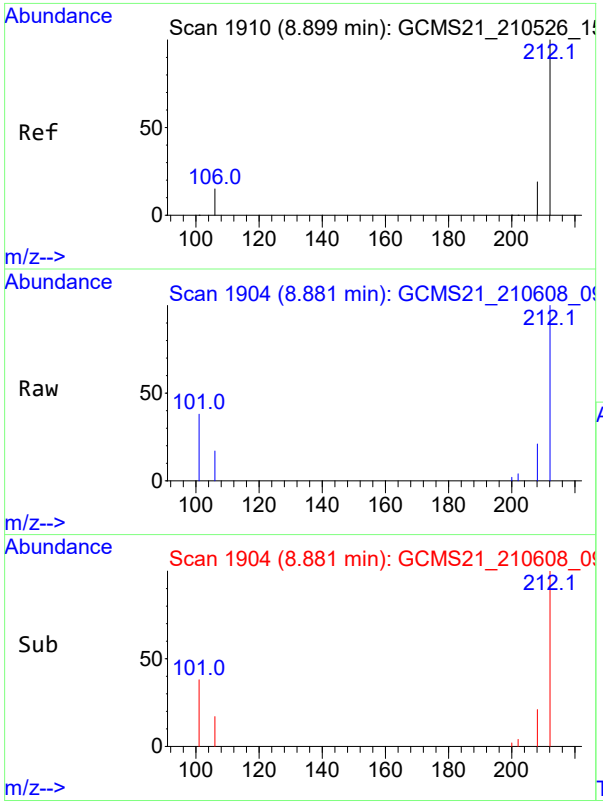


#13
Anthracene
Concen: 179.58 ng/mL
RT: 7.699 min Scan# 1453
Delta R.T. 0.007 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:178 Resp: 214227

Ion	Ratio	Lower	Upper
178	100		
176	18.5	0.0	50.4
152	14.2	0.0	38.3

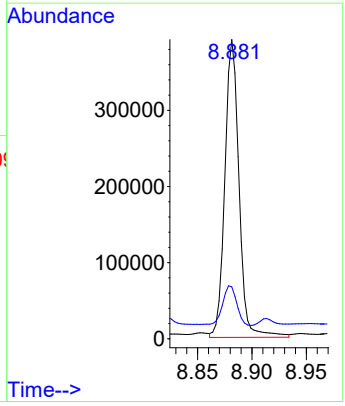


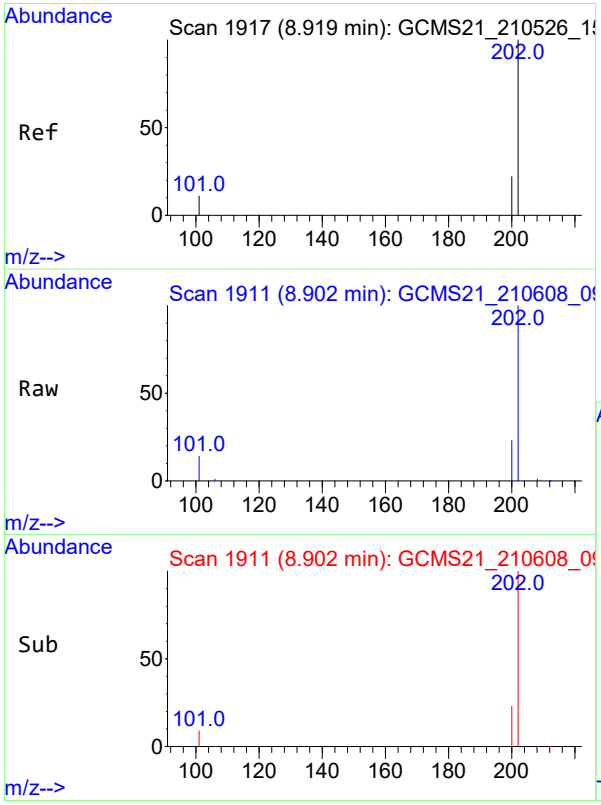


#14
Fluoranthene-D10
Concen: 275.42 ng/mL
RT: 8.881 min Scan# 1904
Delta R.T. 0.015 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:212 Resp: 354503

Ion	Ratio	Lower	Upper
212	100		
106	13.4	0.0	45.3

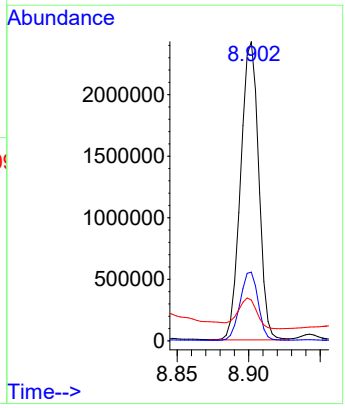


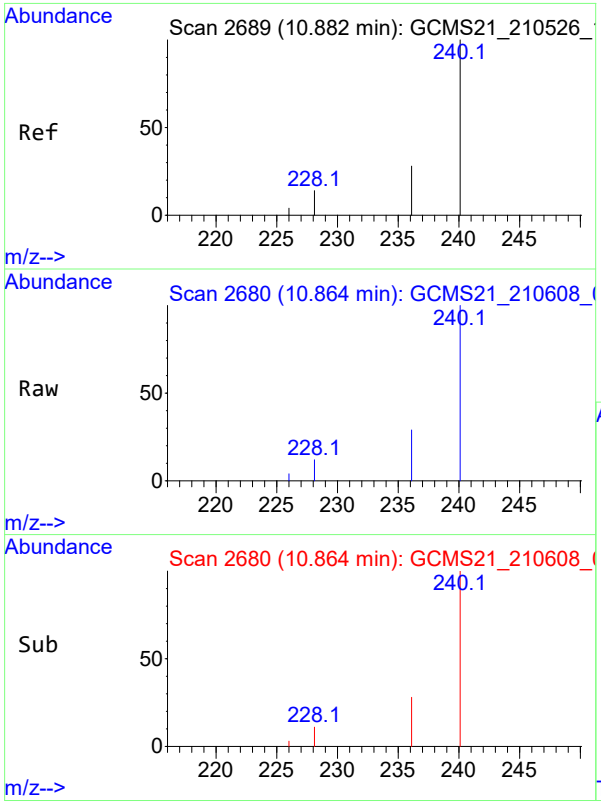


#15
Fluoranthene
Concen: 1404.16 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.015 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:202 Resp: 2126081

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.2
101	10.7	0.0	41.8

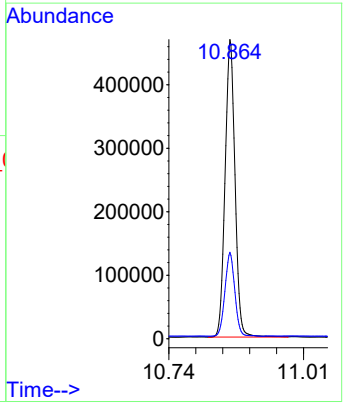


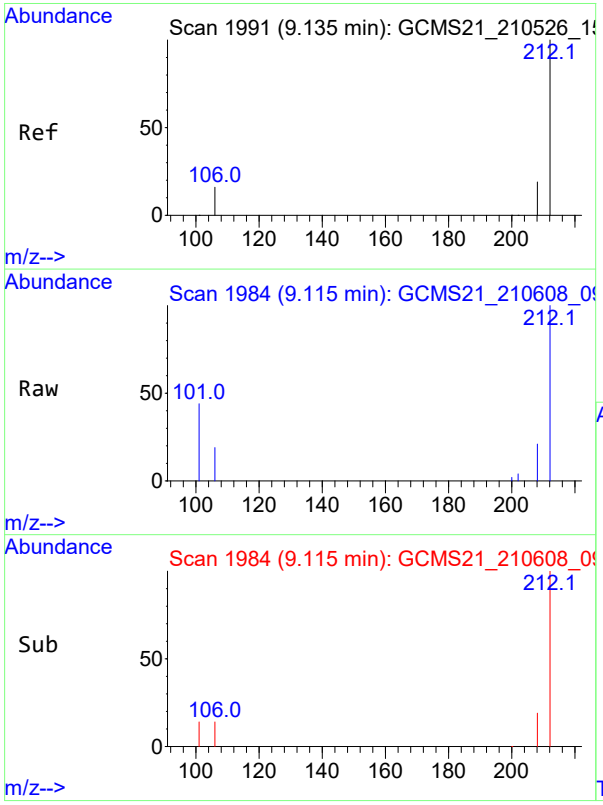


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.864 min Scan# 2680
Delta R.T. 0.027 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:240 Resp: 646514

Ion	Ratio	Lower	Upper
240	100		
236	28.0	0.0	58.6

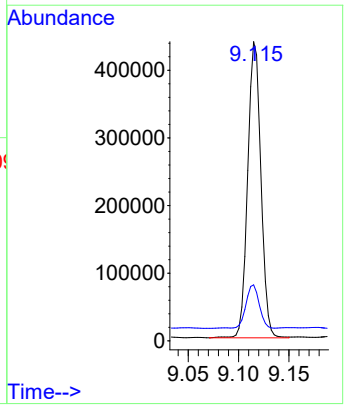


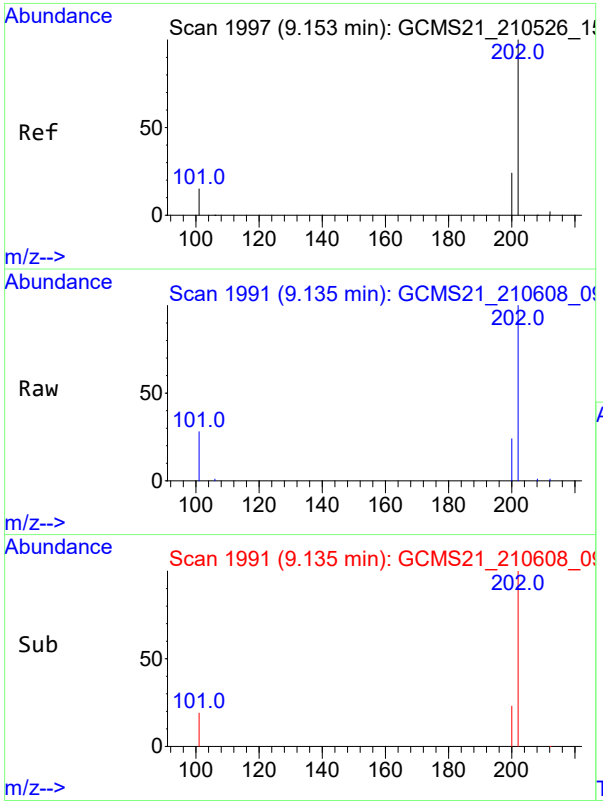


#17
Pyrene-D10
Concen: 271.22 ng/mL
RT: 9.115 min Scan# 1984
Delta R.T. 0.012 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:212 Resp: 400070

Ion	Ratio	Lower	Upper
212	100		
106	14.5	0.0	45.8

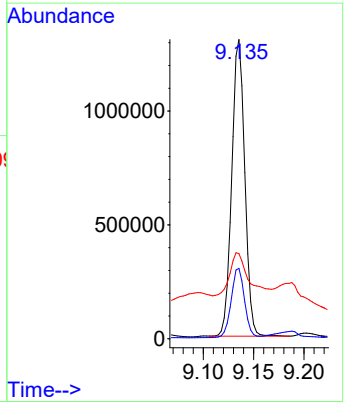


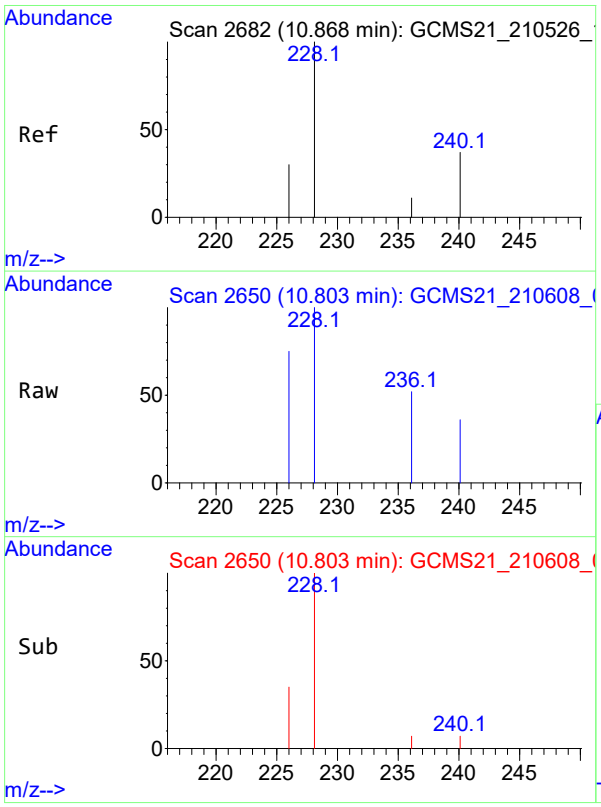


#18
Pyrene
Concen: 678.38 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.015 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:202 Resp: 1168892

Ion	Ratio	Lower	Upper
202	100		
200	24.2	0.0	54.2
101	43.4	0.0	44.6

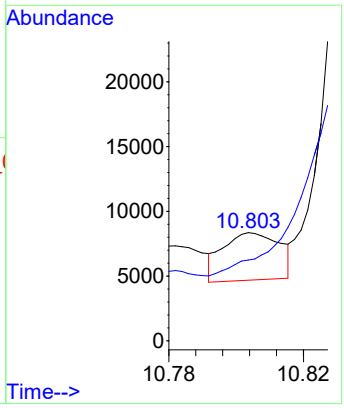


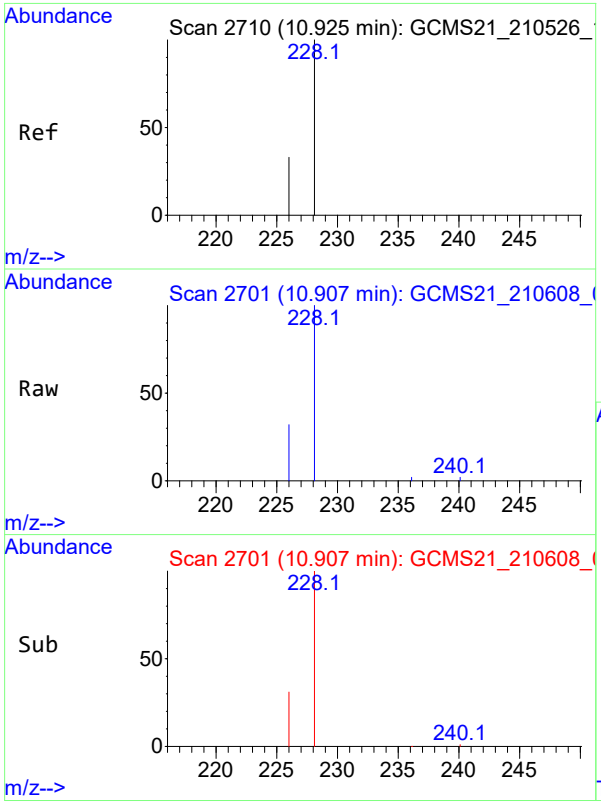


#19
Benzo(a)anthracene
Concen: 3.46 ng/mL
RT: 10.803 min Scan# 2650
Delta R.T. -0.018 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:228 Resp: 4494

Ion	Ratio	Lower	Upper
228	100		
226	0.0	0.0	59.9

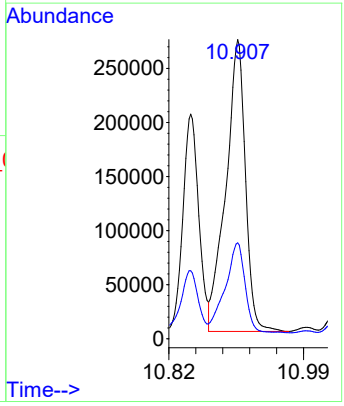


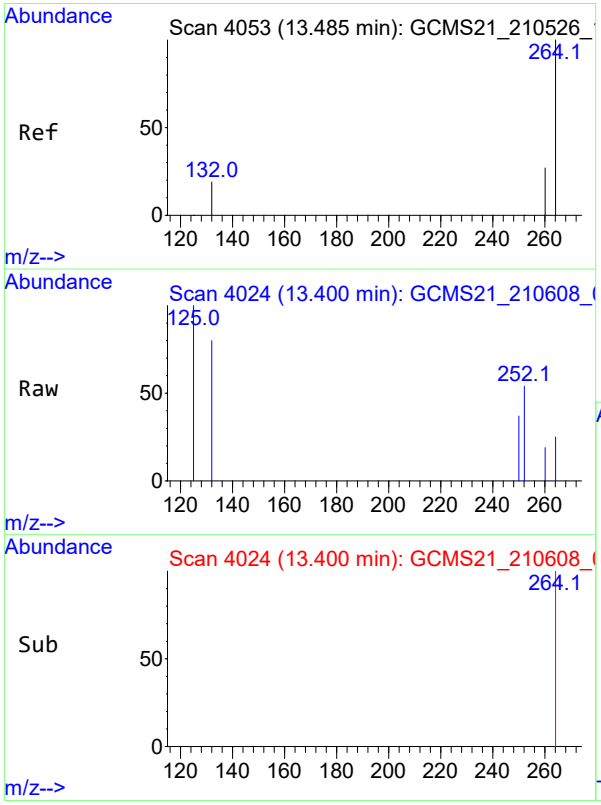


#20
Chrysene
Concen: 288.77 ng/mL
RT: 10.907 min Scan# 2701
Delta R.T. 0.029 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:228 Resp: 463612

Ion	Ratio	Lower	Upper
228	100		
226	30.8	2.8	62.8

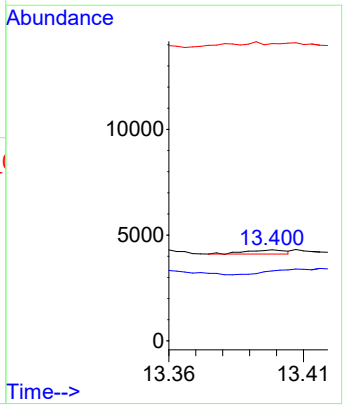


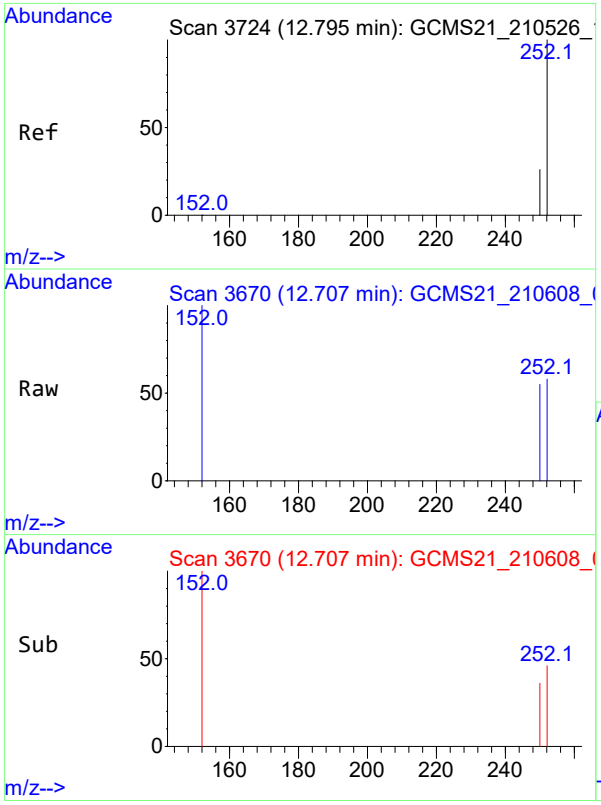


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.400 min Scan# 4024
Delta R.T. -0.029 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:264 Resp: 200

Ion	Ratio	Lower	Upper
264	100		
260	234.5	0.0	57.5#
132	66.5	0.0	49.5#

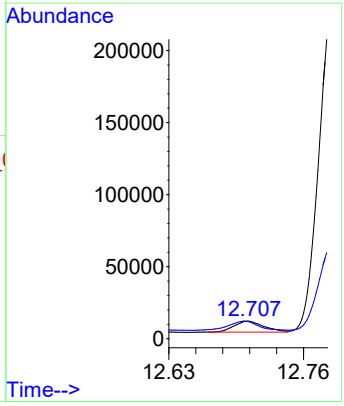


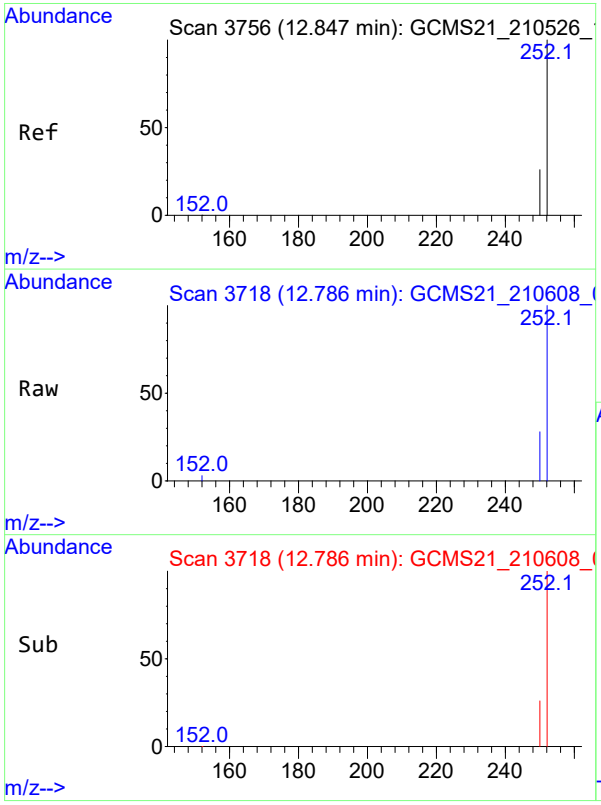


#22
Benzo(b)fluoranthene
Concen: 34948.60 ng/mL
RT: 12.707 min Scan# 3670
Delta R.T. -0.034 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 14509

Ion	Ratio	Lower	Upper
252	100		
250	83.1	0.0	56.2#

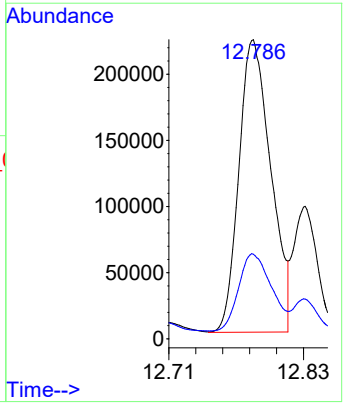


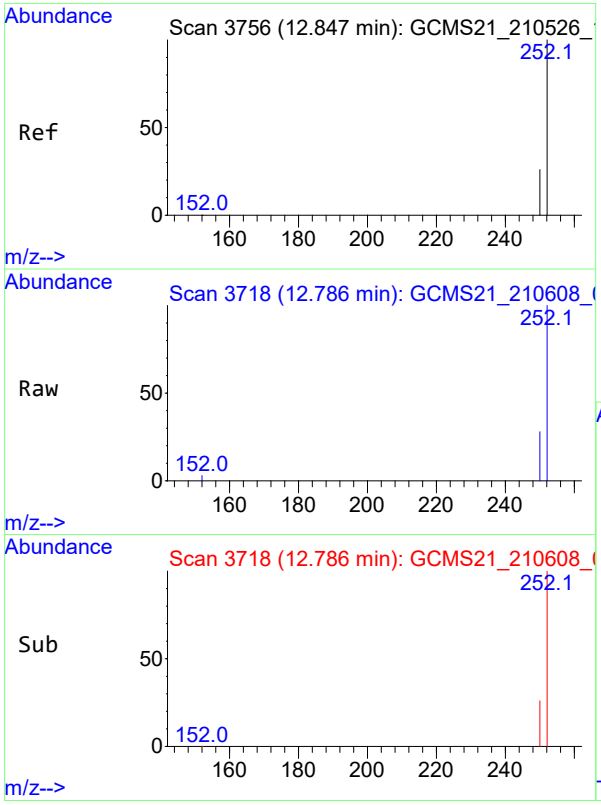


#23
Benzo(k)fluoranthene
Concen: 1005391.22 ng/mL
RT: 12.786 min Scan# 3718
Delta R.T. -0.010 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 462575

Ion	Ratio	Lower	Upper
252	100		
250	27.1	0.0	55.6

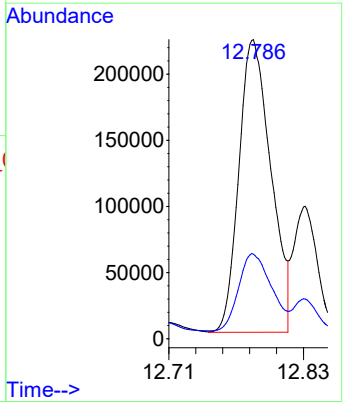


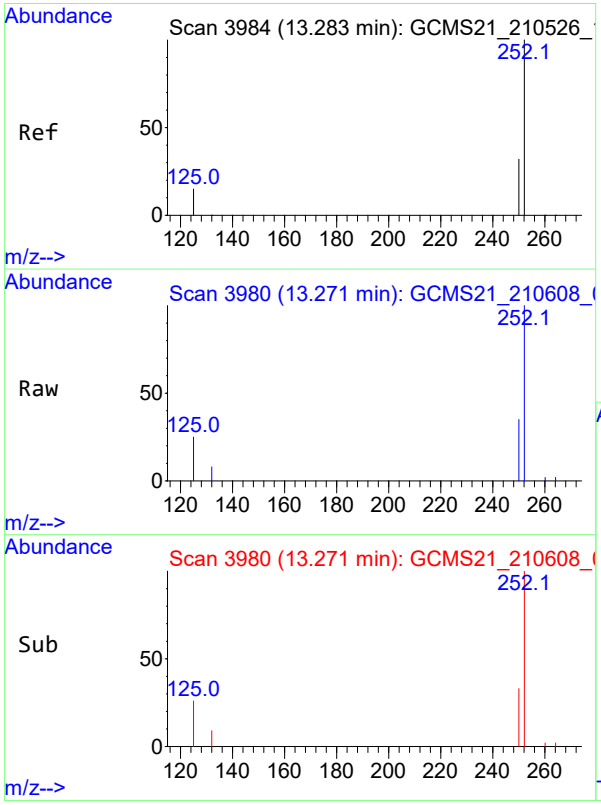


#24
benzo(b+k)fluoranthene (sum)
Concen: 1026565.58 ng/mL
RT: 12.786 min Scan# 3718
Delta R.T. -0.010 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 463076

Ion	Ratio	Lower	Upper
252	100		
250	27.1	0.0	55.6

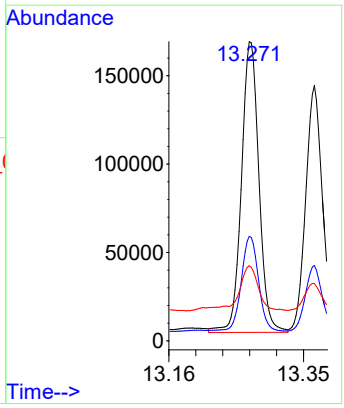


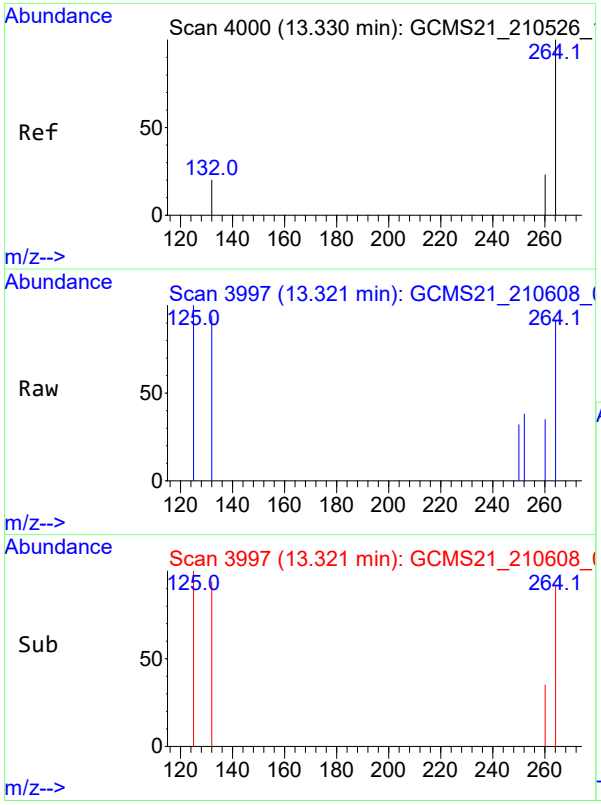


#25
Benzo(e)pyrene
Concen: 685456.03 ng/mL
RT: 13.271 min Scan# 3980
Delta R.T. 0.041 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 287020

Ion	Ratio	Lower	Upper
252	100		
250	31.9	2.3	62.3
125	55.2	0.0	46.1#

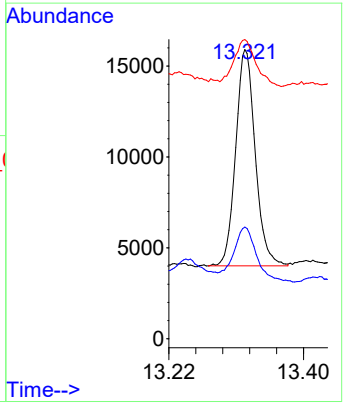


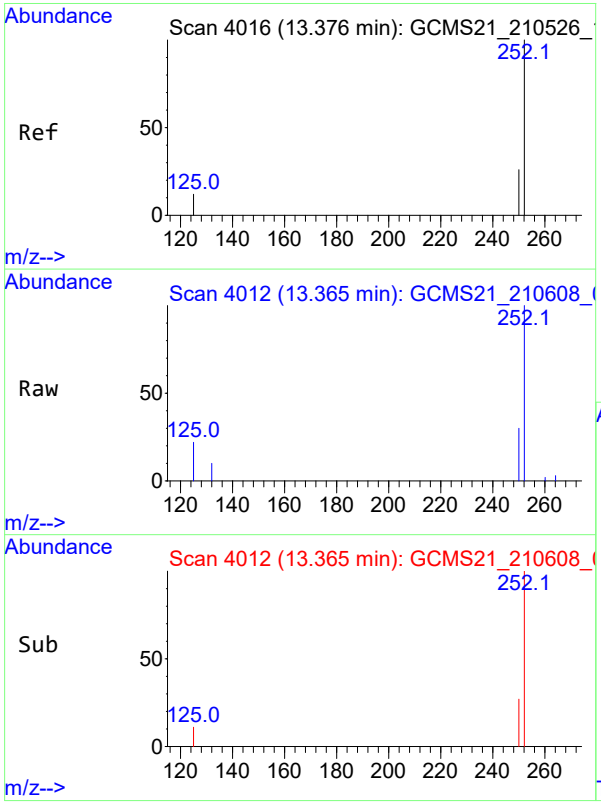


#26
Benzo(a)pyrene-D12
Concen: 64057.84 ng/mL
RT: 13.321 min Scan# 3997
Delta R.T. 0.044 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:264 Resp: 20815

Ion	Ratio	Lower	Upper
264	100		
260	70.7	0.0	53.0#
132	24.8	0.0	49.8

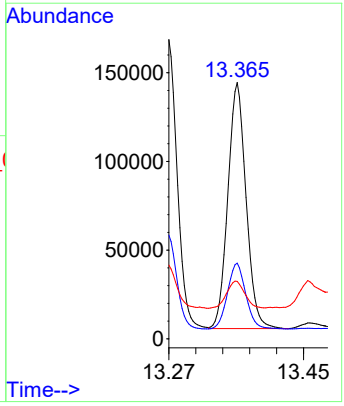


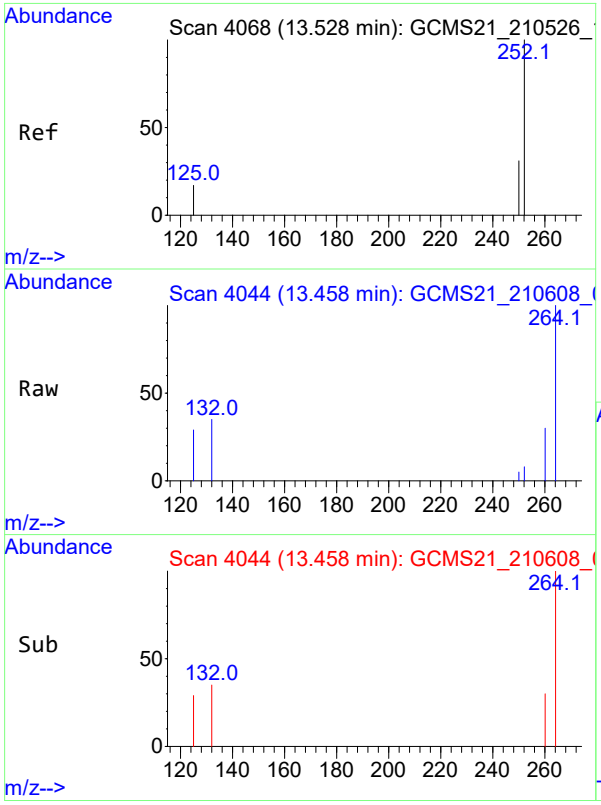


#27
Benzo(a)pyrene
Concen: 612526.52 ng/mL
RT: 13.365 min Scan# 4012
Delta R.T. 0.044 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 232076

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.6
125	11.0	0.0	42.1

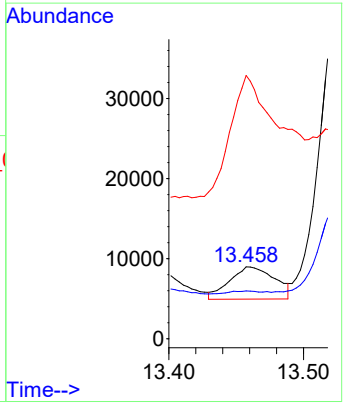


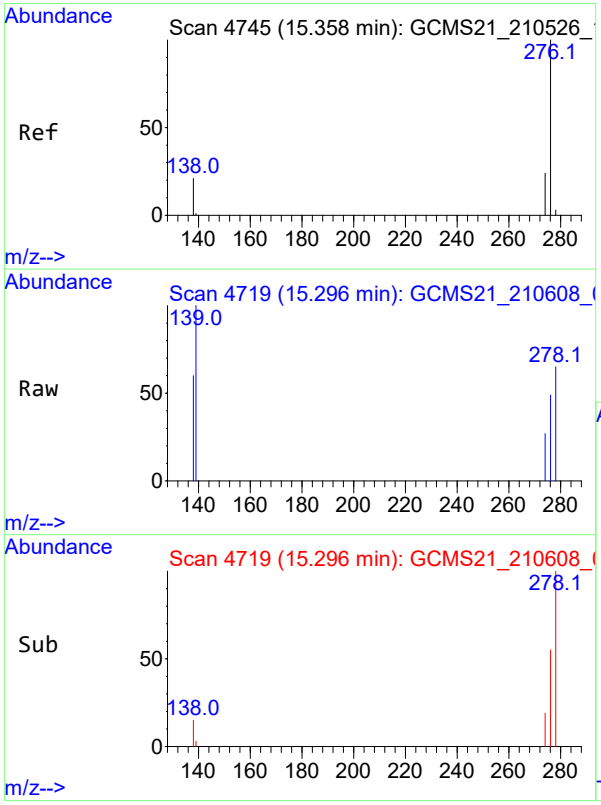


#28
Perylene
Concen: 20852.82 ng/mL
RT: 13.458 min Scan# 4044
Delta R.T. -0.017 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 8873

Ion	Ratio	Lower	Upper
252	100		
250	5.9	1.2	61.2
125	781.1	0.0	46.7#

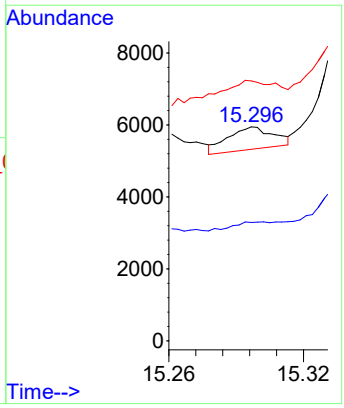


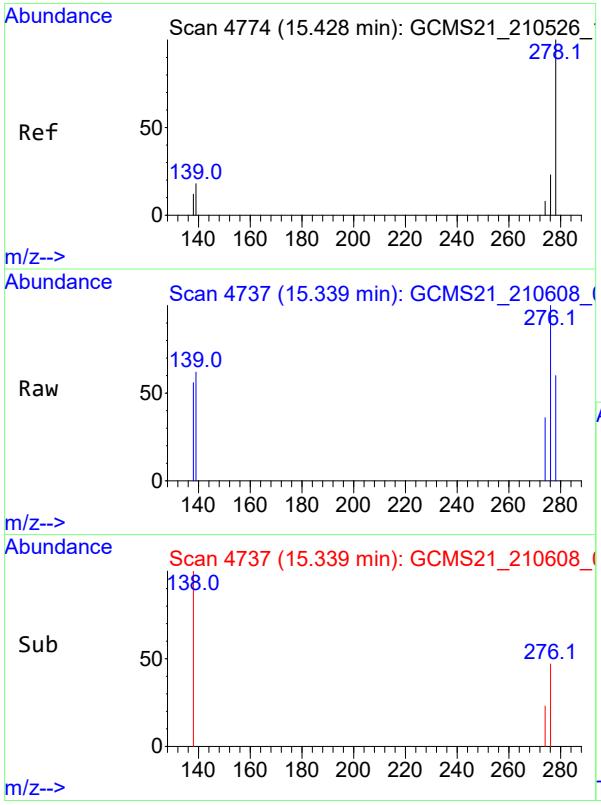


#29
Indeno(1,2,3-cd)pyrene
Concen: 2439.73 ng/mL
RT: 15.296 min Scan# 4719
Delta R.T. -0.005 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:276 Resp: 791

Ion	Ratio	Lower	Upper
276	100		
274	49.3	0.0	53.4
138	179.3	0.0	51.2#

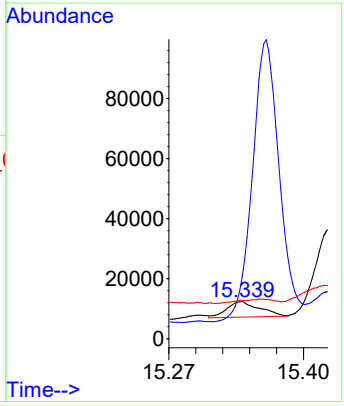


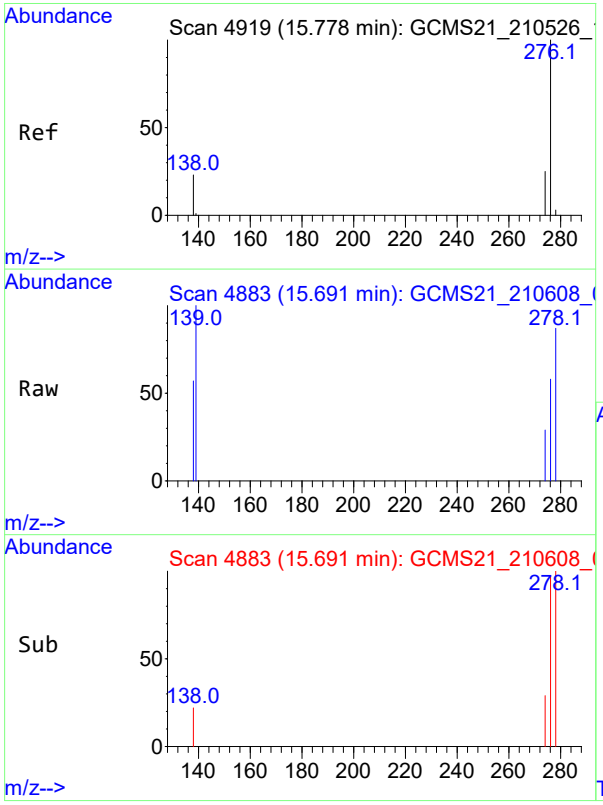


#30
Dibenz(a,h)anthracene
Concen: 36527.19 ng/mL
RT: 15.339 min Scan# 4737
Delta R.T. -0.034 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:278 Resp: 11803

Ion	Ratio	Lower	Upper
278	100		
276	0.0	0.0	58.4
139	9.0	0.0	47.7

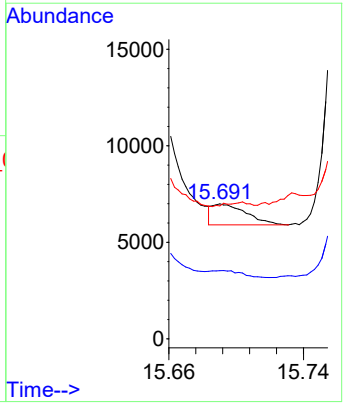




#31
Benzo(g,h,i)perylene
Concen: 3862.32 ng/mL
RT: 15.691 min Scan# 4883
Delta R.T. -0.034 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:276 Resp: 1627

Ion	Ratio	Lower	Upper
276	100		
274	30.7	0.0	54.3
138	13.3	0.0	53.0



Quantitation Report (Qedit)

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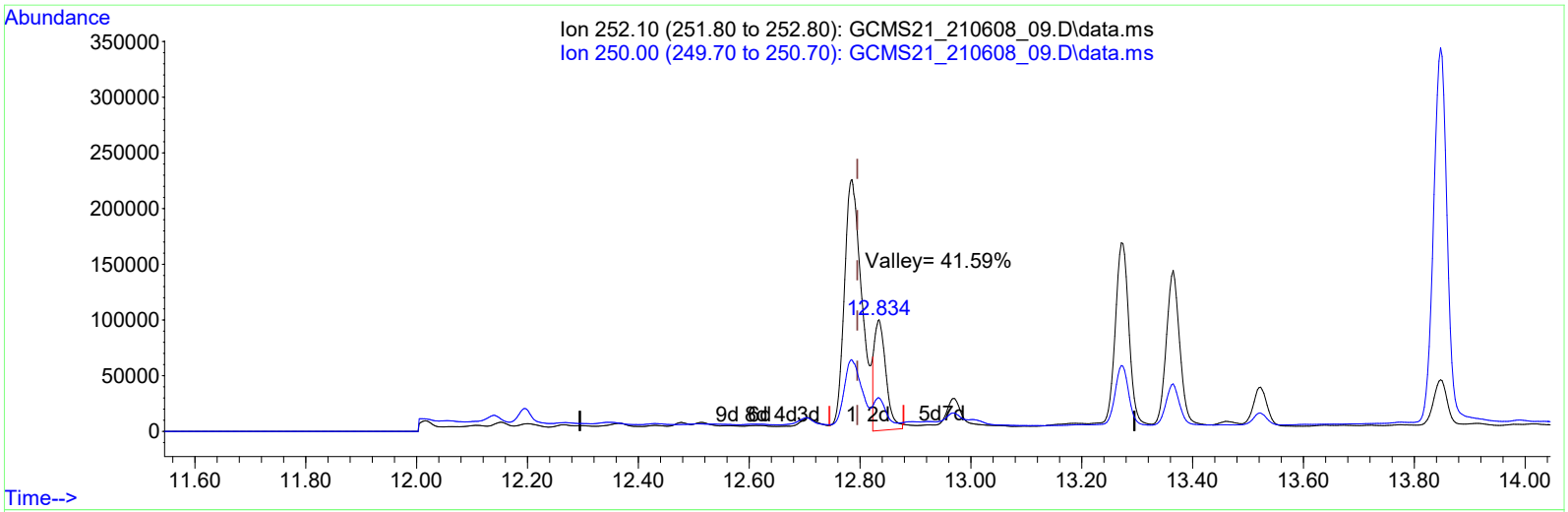
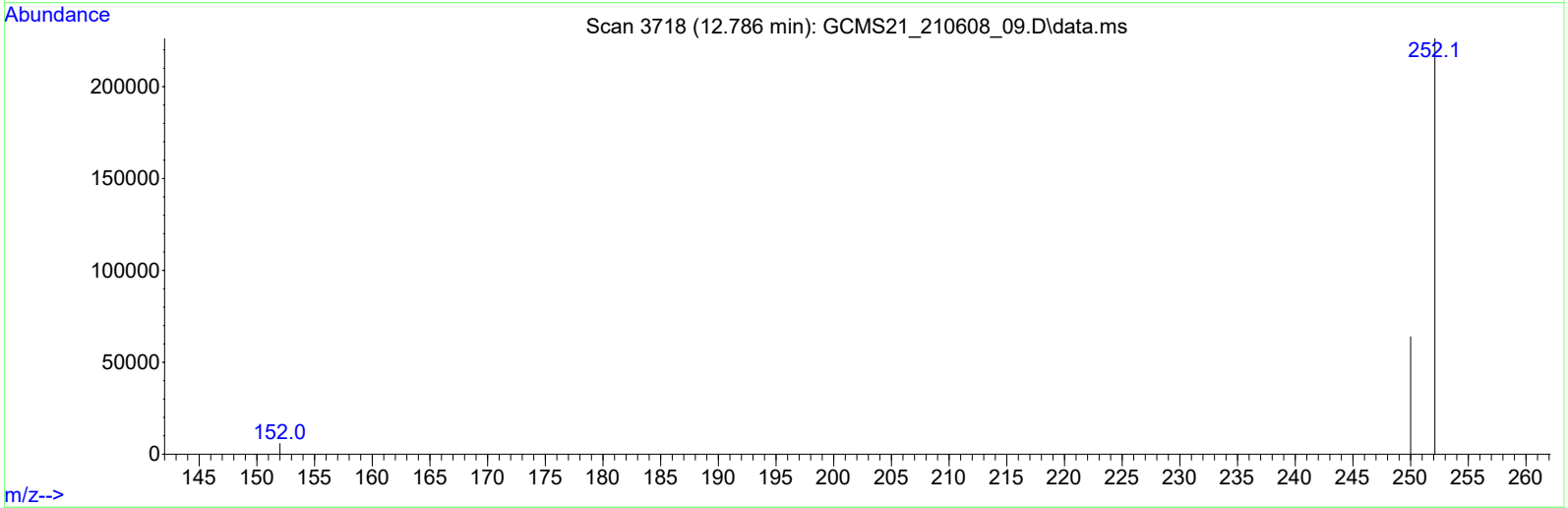
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_09.D
Acq On : 08 Jun 2021 12:02 pm
Operator : MN GCMS21
Sample : 2105001-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 10:48:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_09.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.786min (-0.010) 413.76 ng/mL m

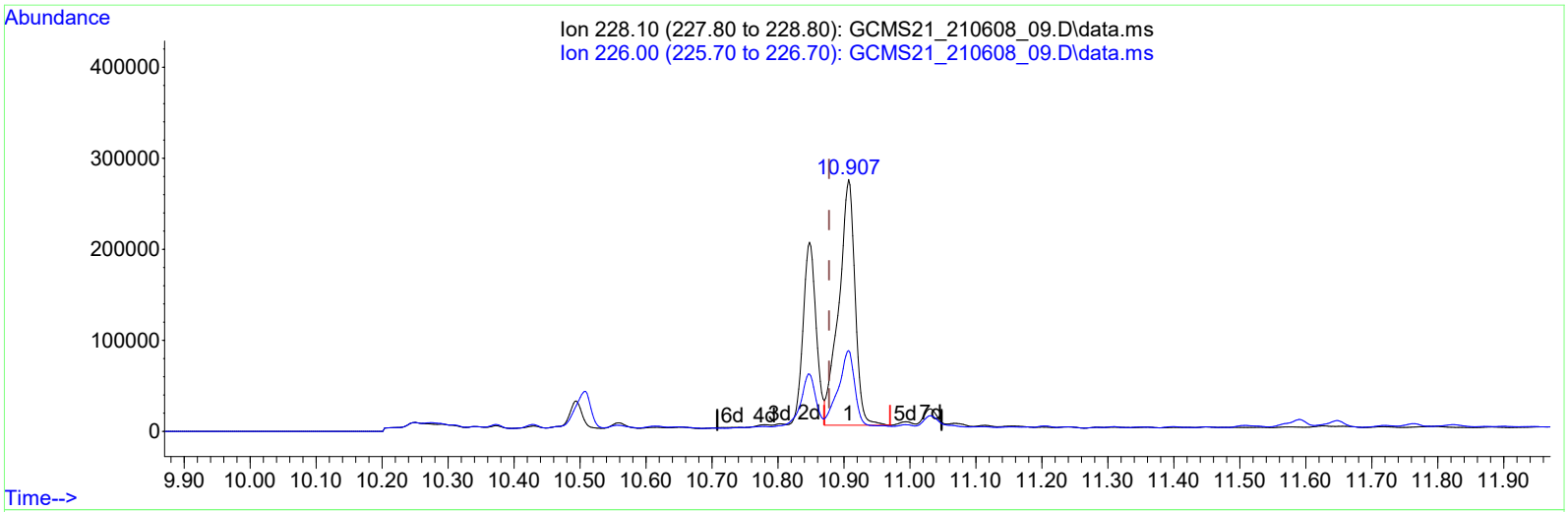
response 608709

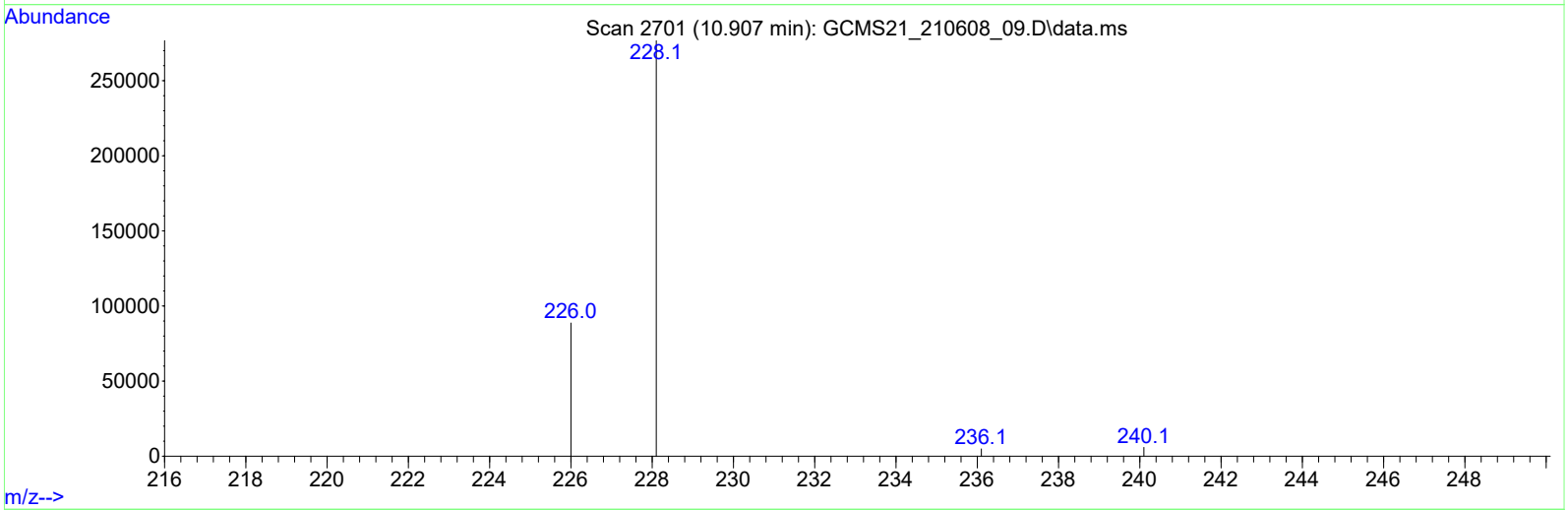
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	20.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_09.D
Acq On : 08 Jun 2021 12:02 pm
Operator : MN GCMS21
Sample : 2105001-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 10:48:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_09.D\data.ms

(20) Chrysene (M)

10.907min (+ 0.029) 288.77 ng/mL

response 463612

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	32.80	30.79
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
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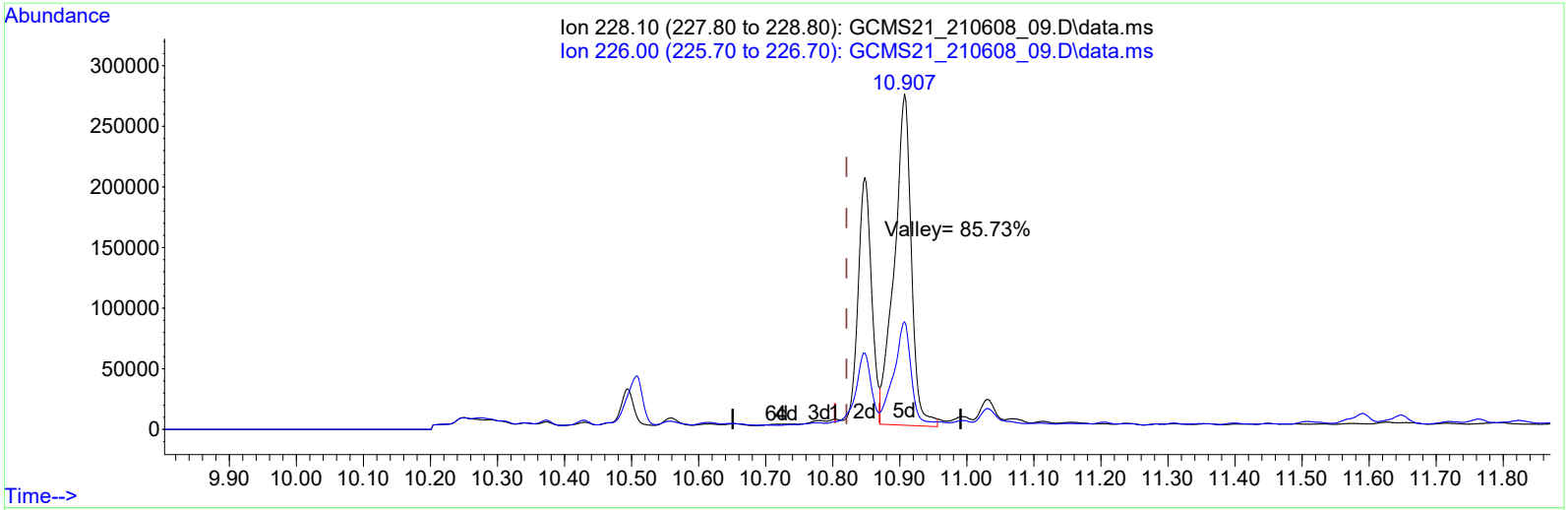
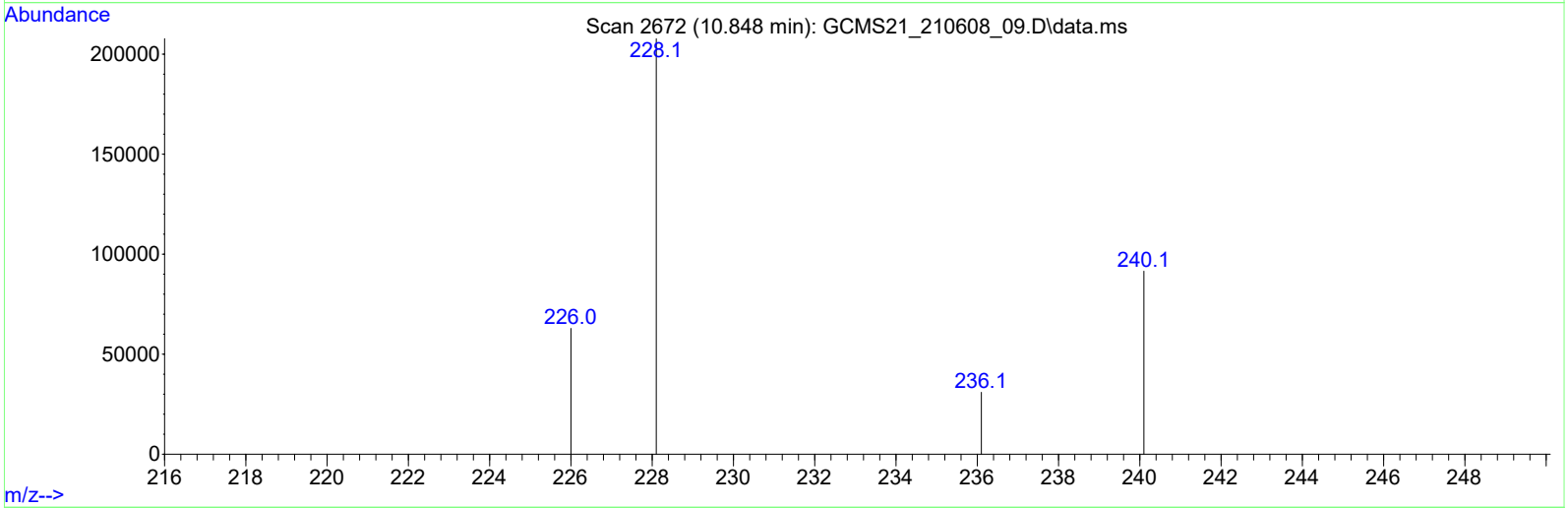
Data File : GCMS21_210608_09.D
Acq On : 08 Jun 2021 12:02 pm
Operator : MN GCMS21
Sample : 2105001-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 10:48:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_09.D\data.ms

(19) Benzo(a)anthracene (M)

10.848min (+ 0.027) 220.32 ng/mL m

response 286501

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.90	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\Users\kleckron\OneDrive - Environmental Protection Agency (EPA)\Documents\Data Pkgs\2021 data package
... s\2105001 Burns harbor disks 1 to 19 MN KO KL\man int docs\processed\
Data File : GCMS21_210608_09.D
Acq On : 08 Jun 2021 12:02
Operator : MN GCMS21
Sample : 2105001-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 10:48:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) NAPTHALENE-D8	4.274	136	465970	500.00 ng/mL	0.00
6) ACENAPHTHENE-D10	6.073	164	285511	500.00 ng/mL	0.00
11) PHENANTHRENE-D10	7.623	188	594437	500.00 ng/mL	0.00
16) CHRYSENE-D12	10.864	240	646514	500.00 ng/mL	0.03
21) PERYLENE-D12	13.476	264	652266m	500.00 ng/mL	0.05
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10	4.967	152	1689	2.88 ng/mL	0.00
9) Fluorene-D10	6.617	176	198693	290.68 ng/mL	0.00
14) Fluoranthene-D10	8.881	212	354503	275.42 ng/mL	0.01
17) Pyrene-D10	9.115	212	400070	271.22 ng/mL	0.01
26) Benzo(a)pyrene-D12	13.321	264	20815	19.64 ng/mL	0.04
Target Compounds					Qvalue
2) Naphthalene	4.294	128	168119	188.04 ng/mL	99
4) 2-Methylnaphthalene	5.002	142	131457	199.65 ng/mL	96
5) 1-Methylnaphthalene	5.100	142	68303	124.54 ng/mL	96
7) Acenaphthylene	5.922	152	33410	35.26 ng/mL	83
8) Acenaphthene	6.106	153	252371	347.92 ng/mL	98
10) Fluorene	6.645	166	571532	711.85 ng/mL	99
12) Phenanthrene	7.647	178	3328846	2320.32 ng/mL	99
13) Anthracene	7.699	178	214227	179.58 ng/mL	92
15) Fluoranthene	8.902	202	2126081	1404.16 ng/mL	99
18) Pyrene	9.135	202	1168892	678.38 ng/mL	74
19) Benzo(a)anthracene	10.848	228	286501m	220.32 ng/mL	
20) Chrysene	10.907	228	463612	288.77 ng/mL	96
22) Benzo(b)fluoranthene	12.786	252	457792m	338.12 ng/mL	
23) Benzo(k)fluoranthene	12.834	252	152654m	101.73 ng/mL	
24) benzo(b+k)fluoranthene...	12.786	252	608709m	413.76 ng/mL	
25) Benzo(e)pyrene	13.271	252	287020	210.18 ng/mL#	69
27) Benzo(a)pyrene	13.365	252	232076	187.81 ng/mL	99
28) Perylene	13.523	252	60835m	43.84 ng/mL	
29) Indeno(1,2,3-cd)pyrene	15.363	276	192138m	181.71 ng/mL	
30) Dibenz(a,h)anthracene	15.428	278	70437m	66.84 ng/mL	
31) Benzo(g,h,i)perylene	15.790	276	227623m	165.68 ng/mL	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\Users\kleckron\OneDrive - Environmental Protection Agency (EPA)\Documents\Data Pkgs\2021 data package
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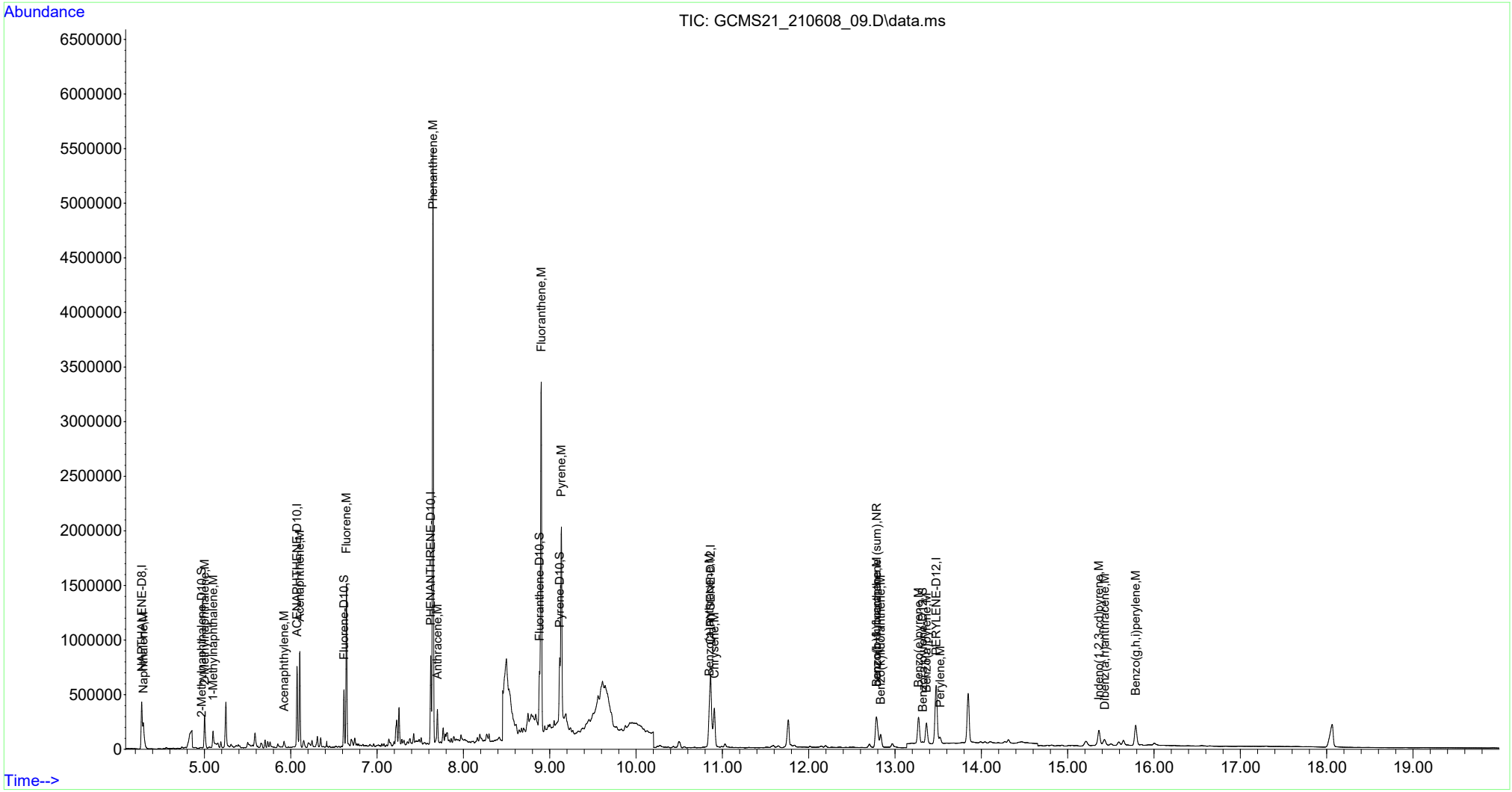
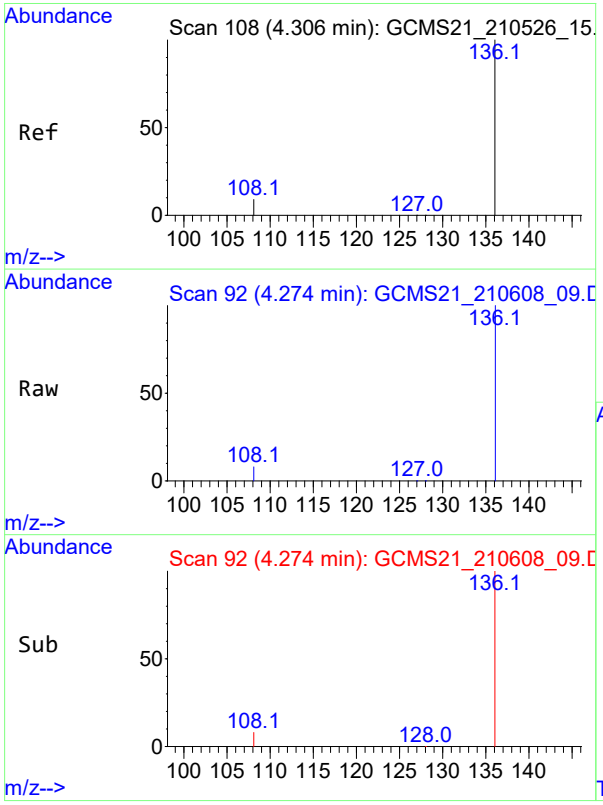
Data File : GCMS21_210608_09.D
Acq On : 08 Jun 2021 12:02
Operator : MN GCMS21
Sample : 2105001-05
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 10:48:26 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

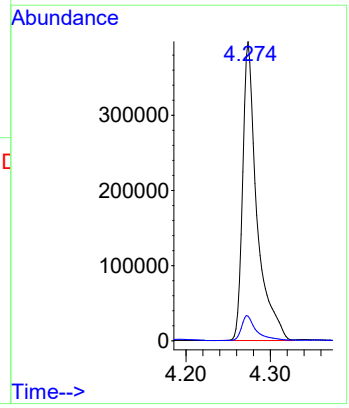


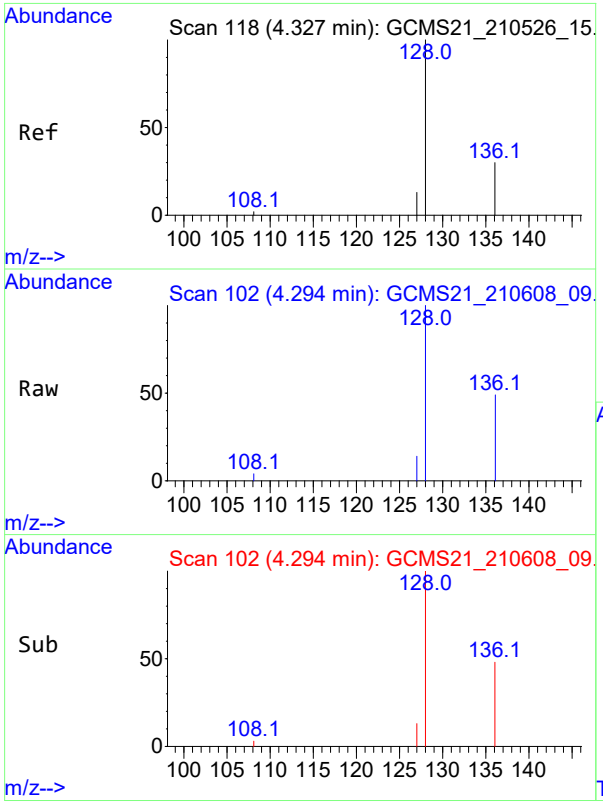


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.274 min Scan# 92
Delta R.T. -0.002 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:136 Resp: 465970

Ion	Ratio	Lower	Upper
136	100		
108	8.6	0.0	28.3

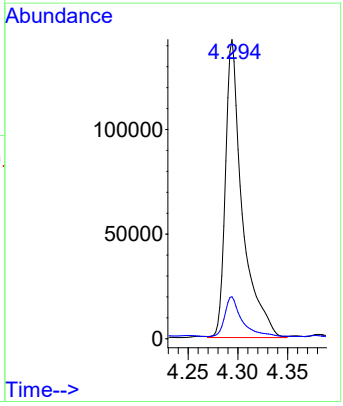


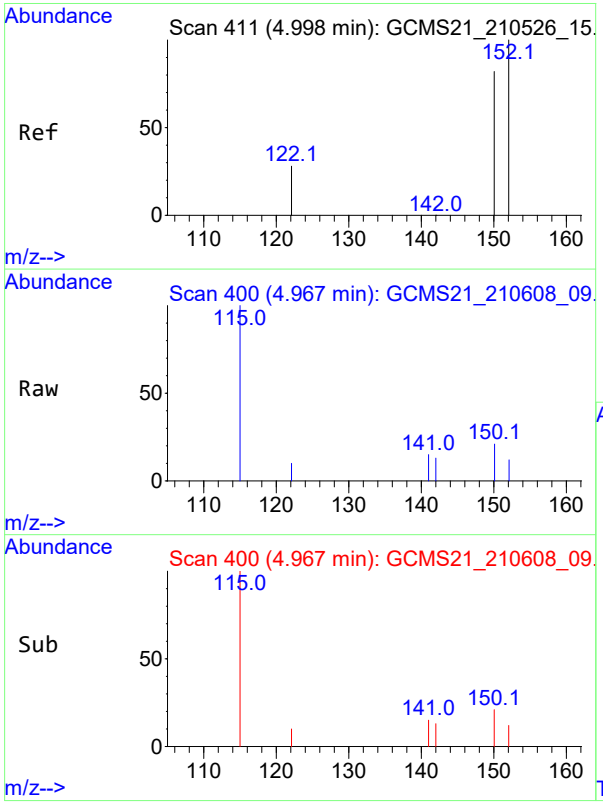


#2
Naphthalene
Concen: 188.04 ng/mL
RT: 4.294 min Scan# 102
Delta R.T. -0.002 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:128 Resp: 168119

Ion	Ratio	Lower	Upper
128	100		
127	13.8	0.0	43.3

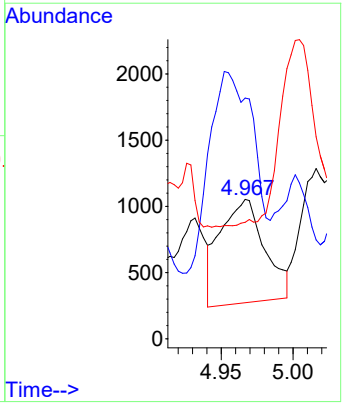


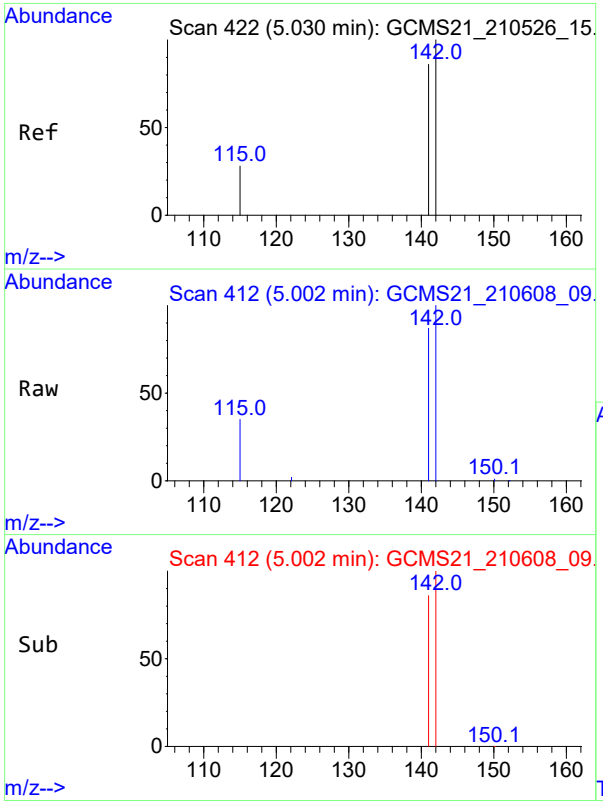


#3
2-Methylnaphthalene-D10
Concen: 2.88 ng/mL
RT: 4.967 min Scan# 400
Delta R.T. -0.003 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:152 Resp: 1689

Ion	Ratio	Lower	Upper
152	100		
150	196.6	52.3	112.3#
122	0.0	0.0	57.5

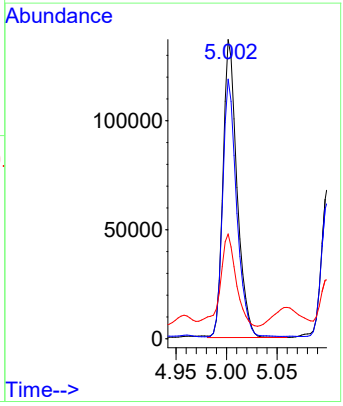


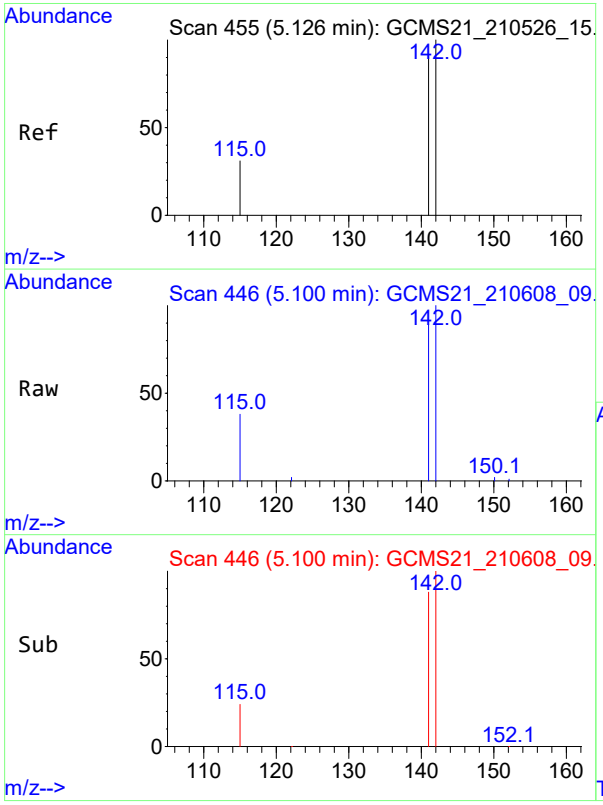


#4
2-Methylnaphthalene
Concen: 199.65 ng/mL
RT: 5.002 min Scan# 412
Delta R.T. 0.000 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:142 Resp: 131457

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.3	116.3
115	35.1	0.0	57.4

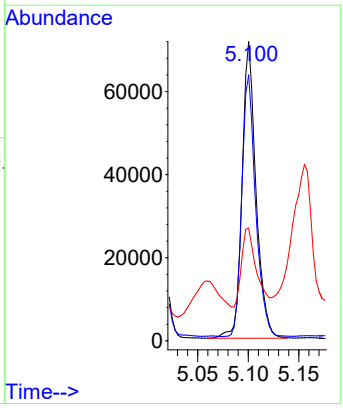


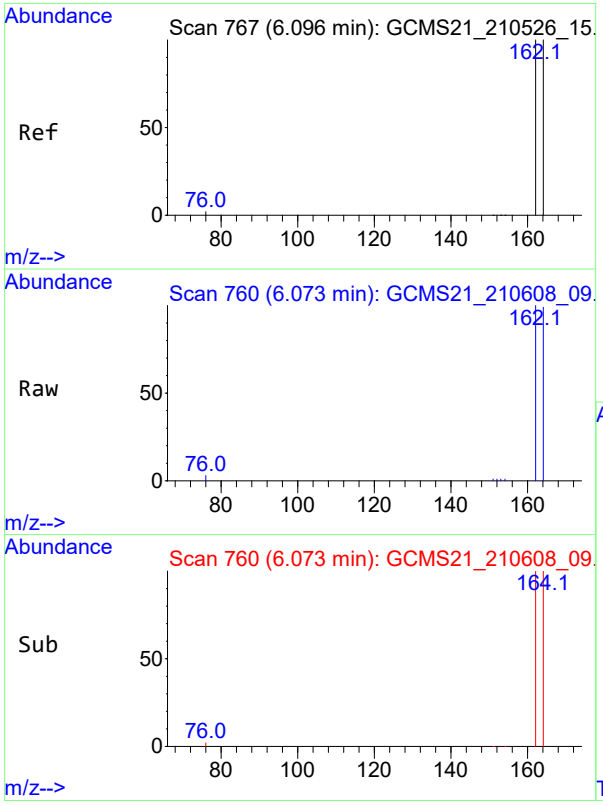


#5
1-Methylnaphthalene
Concen: 124.54 ng/mL
RT: 5.100 min Scan# 446
Delta R.T. 0.003 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:142 Resp: 68303

Ion	Ratio	Lower	Upper
142	100		
141	87.3	61.5	121.5
115	27.9	0.2	60.2

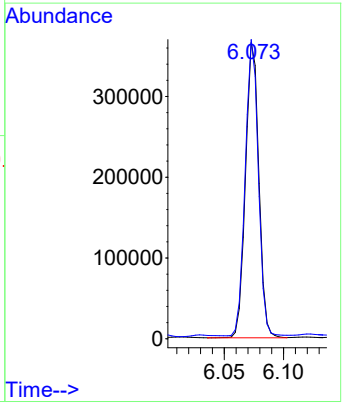


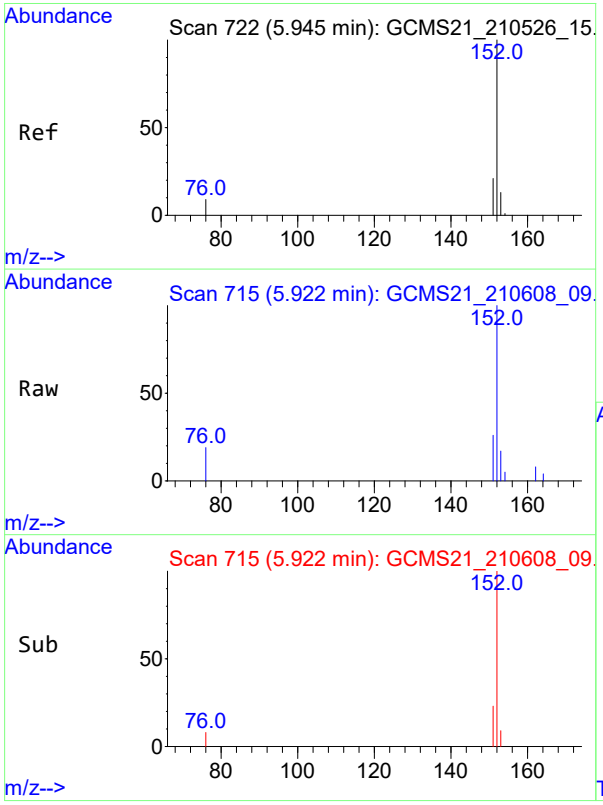


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.073 min Scan# 760
Delta R.T. 0.003 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:164 Resp: 285511

Ion	Ratio	Lower	Upper
164	100		
162	99.0	77.7	117.7

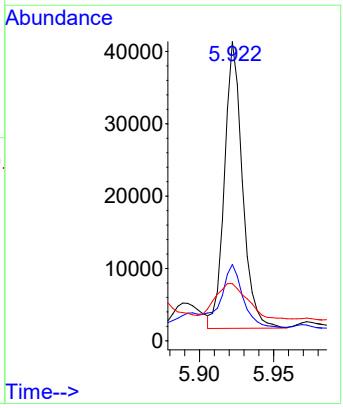


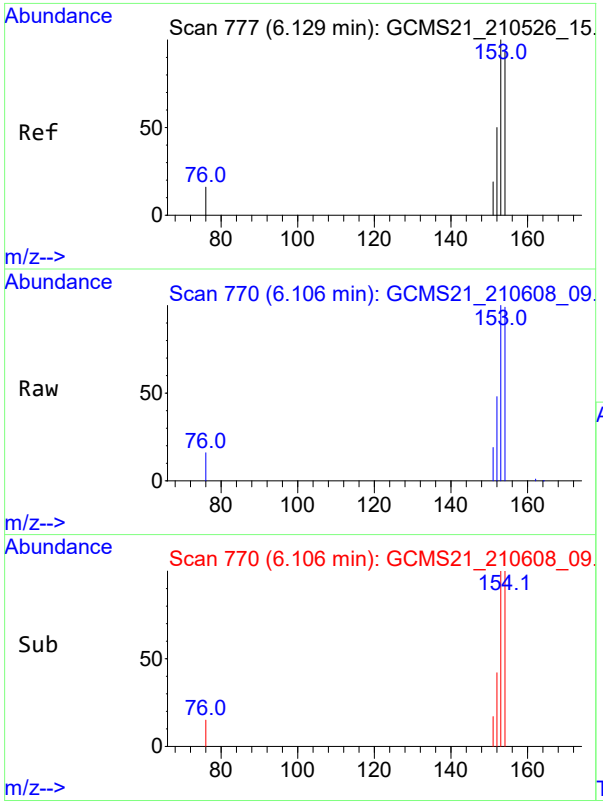


#7
Acenaphthylene
Concen: 35.26 ng/mL
RT: 5.922 min Scan# 715
Delta R.T. 0.007 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:152 Resp: 33410

Ion	Ratio	Lower	Upper
152	100		
151	26.8	0.0	52.0
76	21.8	0.0	39.5

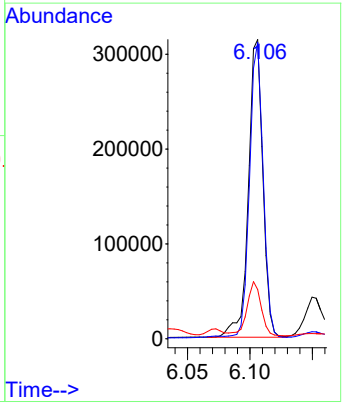


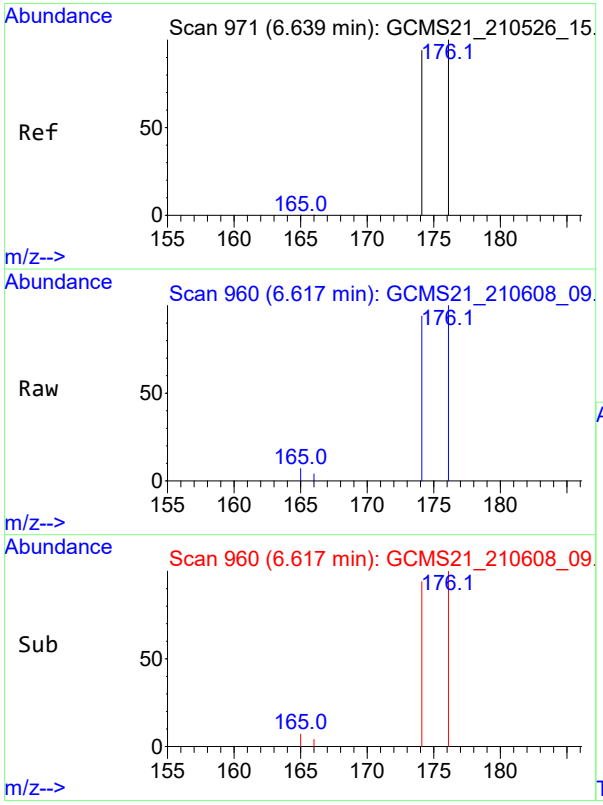


#8
Acenaphthene
Concen: 347.92 ng/mL
RT: 6.106 min Scan# 770
Delta R.T. 0.007 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:153 Resp: 252371

Ion	Ratio	Lower	Upper
153	100		
154	92.8	60.4	120.4
76	17.7	0.0	47.4

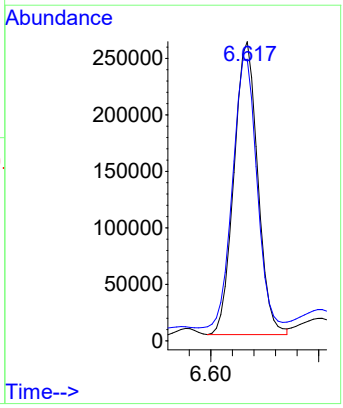


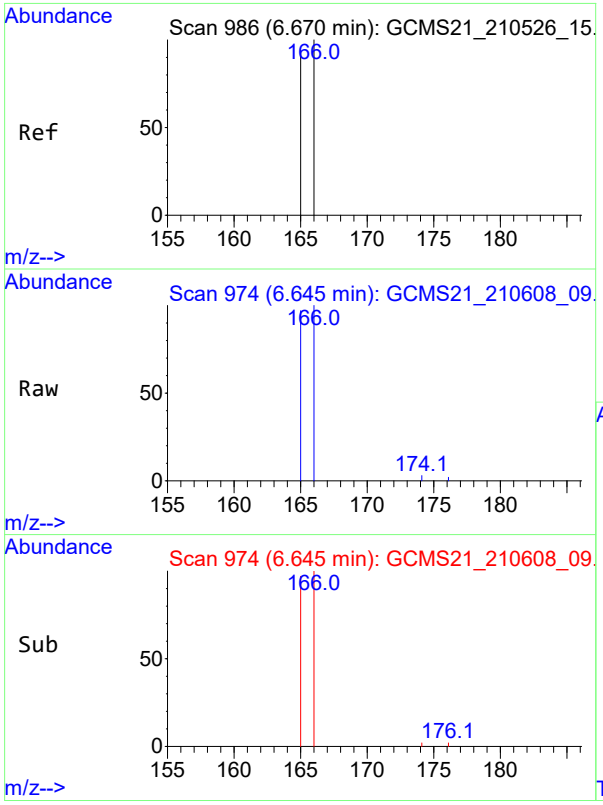


#9
Fluorene-D10
Concen: 290.68 ng/mL
RT: 6.617 min Scan# 960
Delta R.T. 0.006 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:176 Resp: 198693

Ion	Ratio	Lower	Upper
176	100		
174	101.6	63.9	123.9

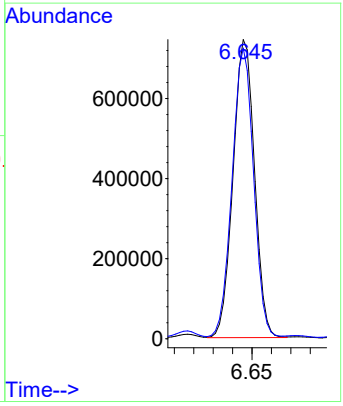


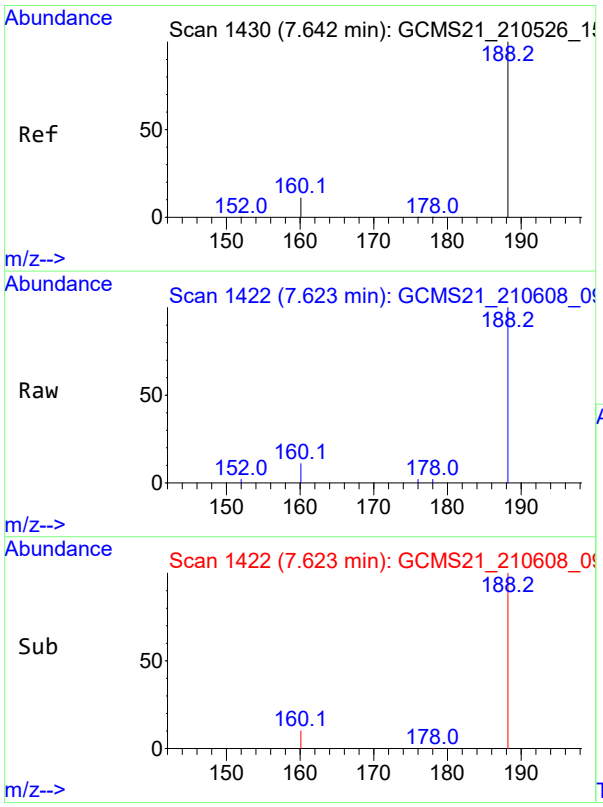


#10
Fluorene
Concen: 711.85 ng/mL
RT: 6.645 min Scan# 974
Delta R.T. 0.004 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:166 Resp: 571532

Ion	Ratio	Lower	Upper
166	100		
165	96.3	65.1	125.1

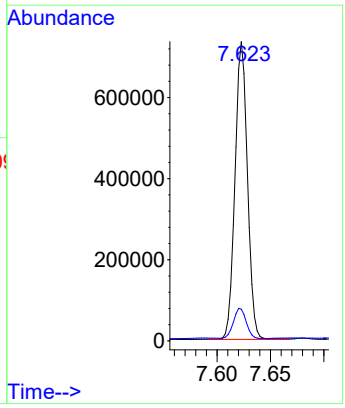


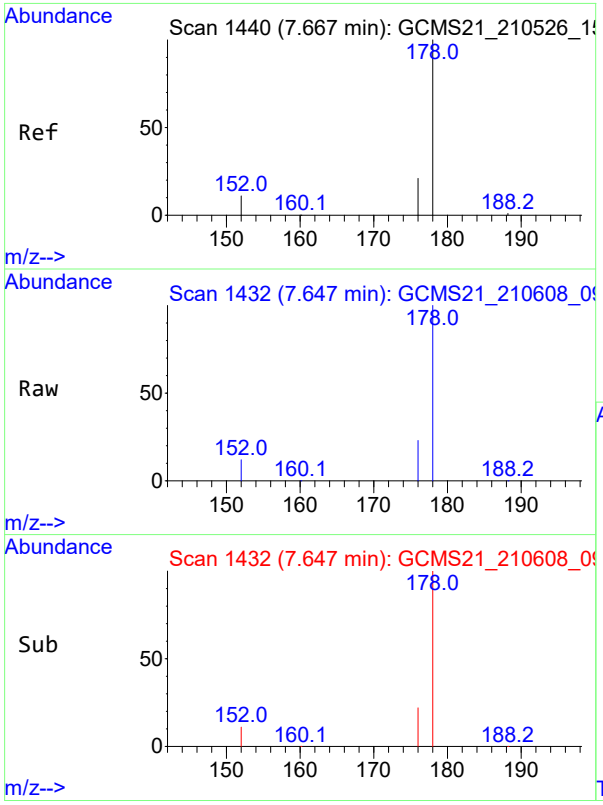


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.623 min Scan# 1422
Delta R.T. 0.008 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:188 Resp: 594437

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	39.8

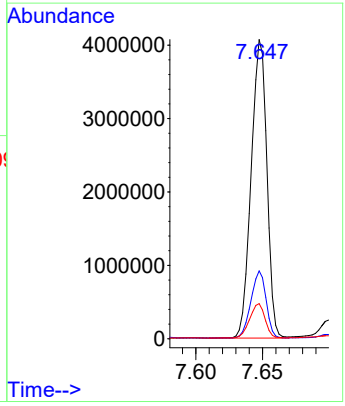


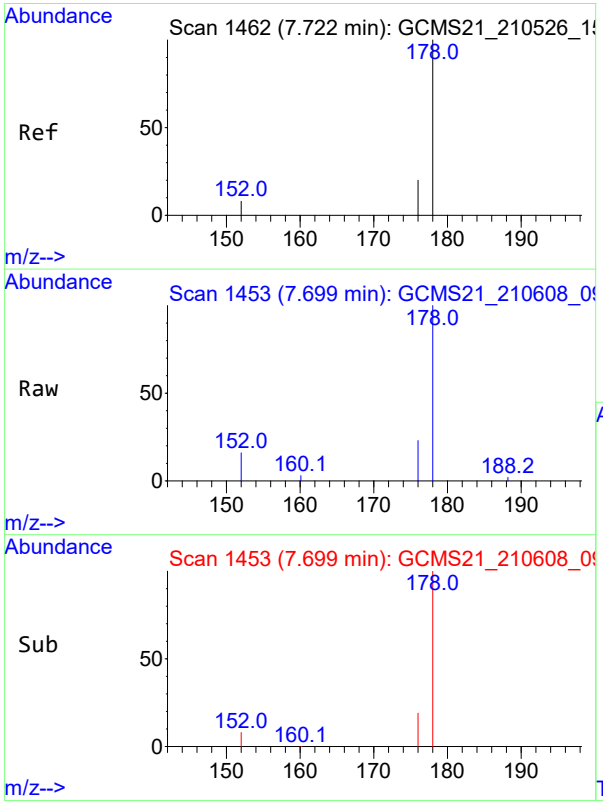


#12
Phenanthrene
Concen: 2320.32 ng/mL
RT: 7.647 min Scan# 1432
Delta R.T. 0.010 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:178 Resp: 3328846

Ion	Ratio	Lower	Upper
178	100		
176	21.5	0.0	51.1
152	11.1	0.0	40.6

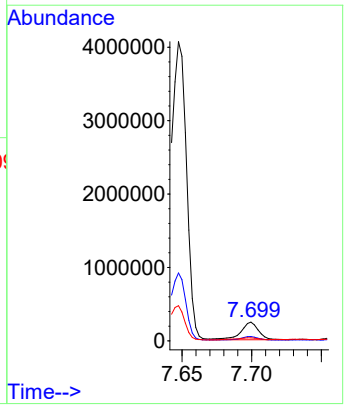


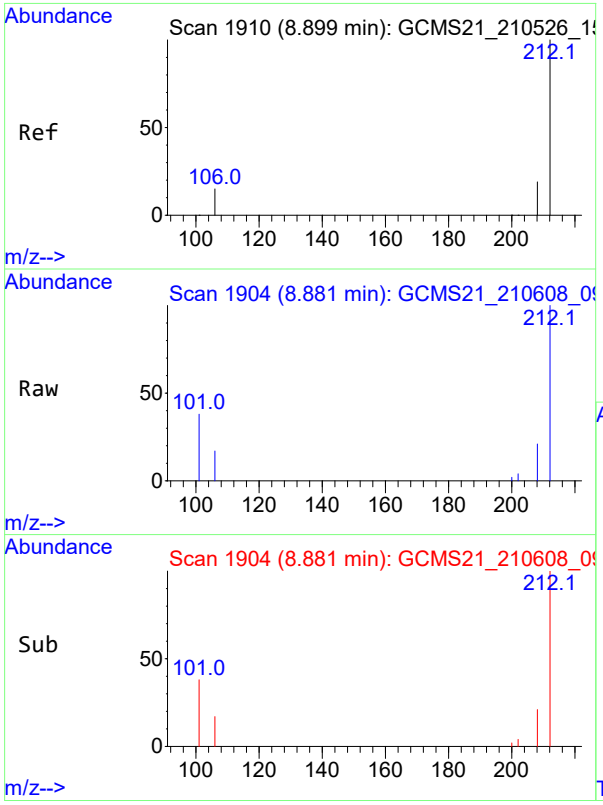


#13
Anthracene
Concen: 179.58 ng/mL
RT: 7.699 min Scan# 1453
Delta R.T. 0.007 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:178 Resp: 214227

Ion	Ratio	Lower	Upper
178	100		
176	18.5	0.0	50.4
152	14.2	0.0	38.3

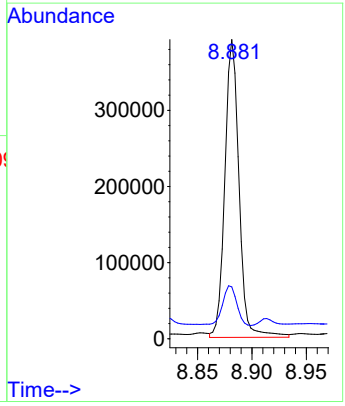


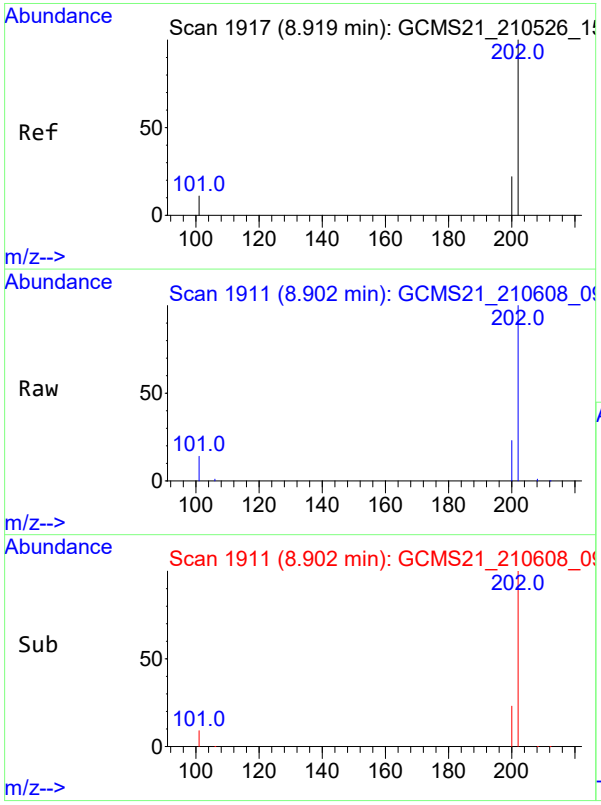


#14
Fluoranthene-D10
Concen: 275.42 ng/mL
RT: 8.881 min Scan# 1904
Delta R.T. 0.015 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:212 Resp: 354503

Ion	Ratio	Lower	Upper
212	100		
106	13.4	0.0	45.3

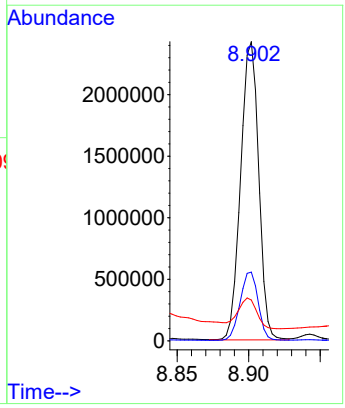


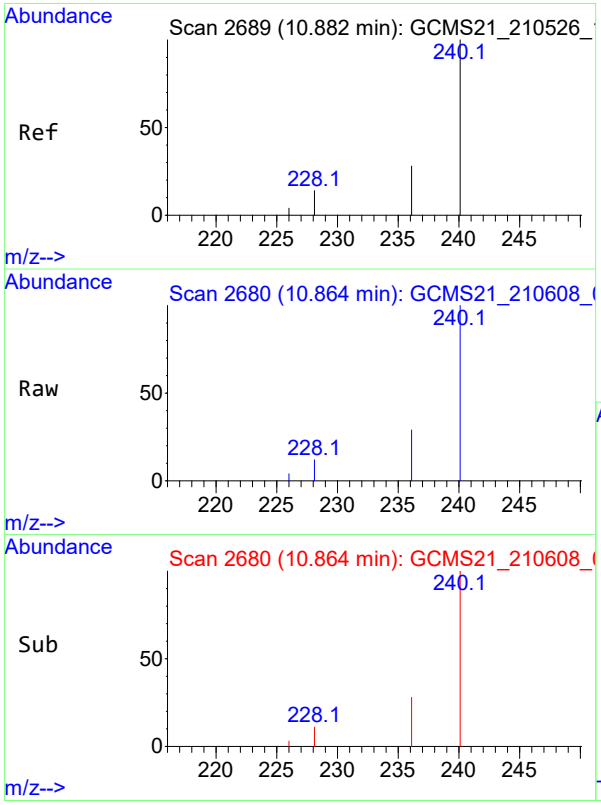


#15
Fluoranthene
Concen: 1404.16 ng/mL
RT: 8.902 min Scan# 1911
Delta R.T. 0.015 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:202 Resp: 2126081

Ion	Ratio	Lower	Upper
202	100		
200	22.9	0.0	53.2
101	10.7	0.0	41.8

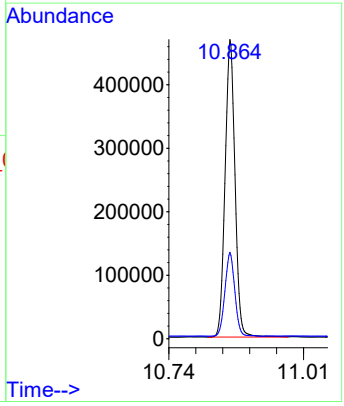


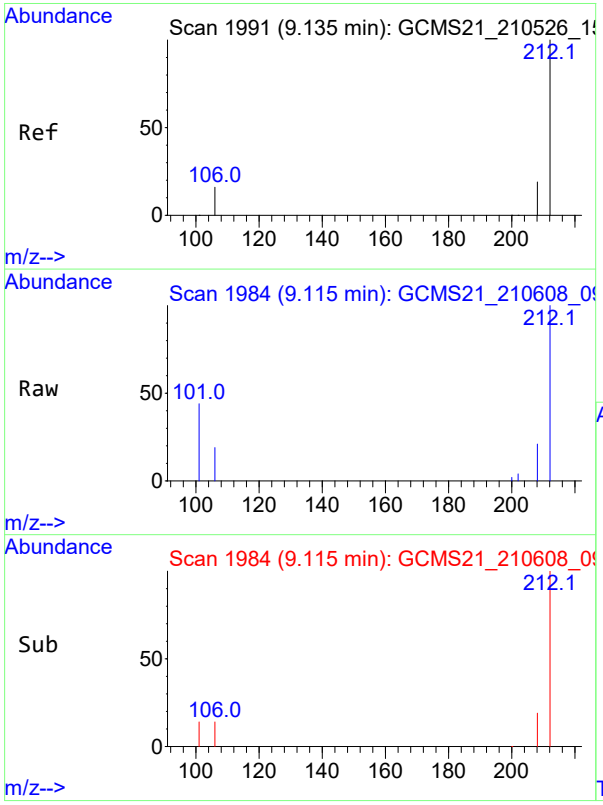


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.864 min Scan# 2680
Delta R.T. 0.027 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:240 Resp: 646514

Ion	Ratio	Lower	Upper
240	100		
236	28.0	0.0	58.6

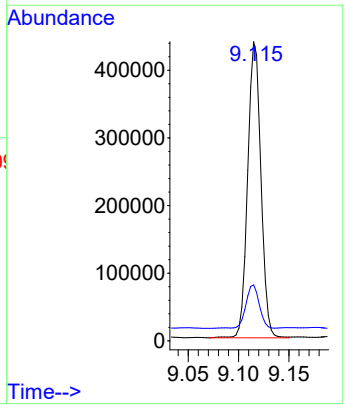


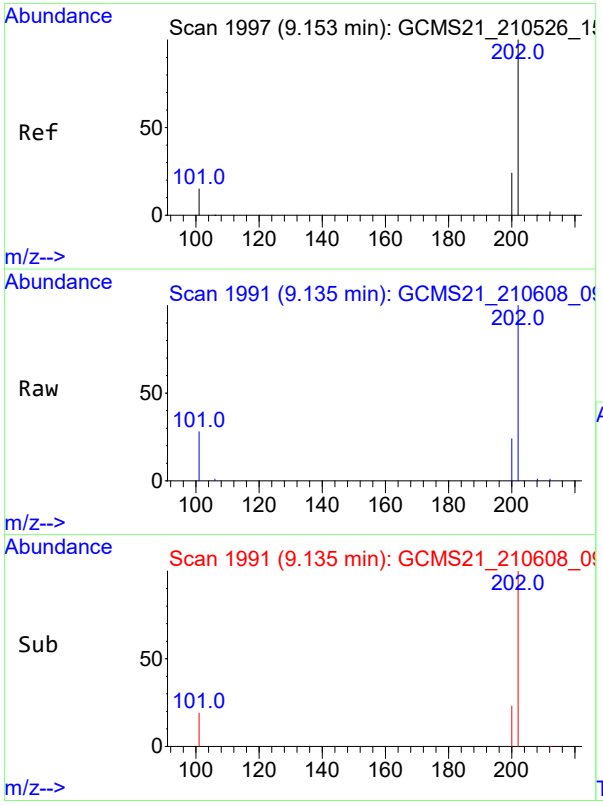


#17
Pyrene-D10
Concen: 271.22 ng/mL
RT: 9.115 min Scan# 1984
Delta R.T. 0.012 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:212 Resp: 400070

Ion	Ratio	Lower	Upper
212	100		
106	14.5	0.0	45.8

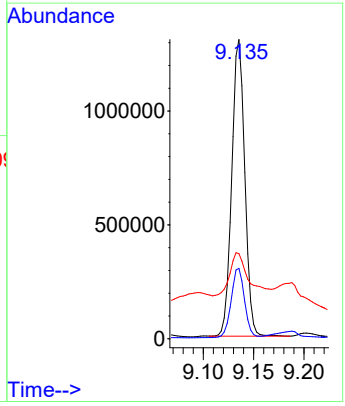


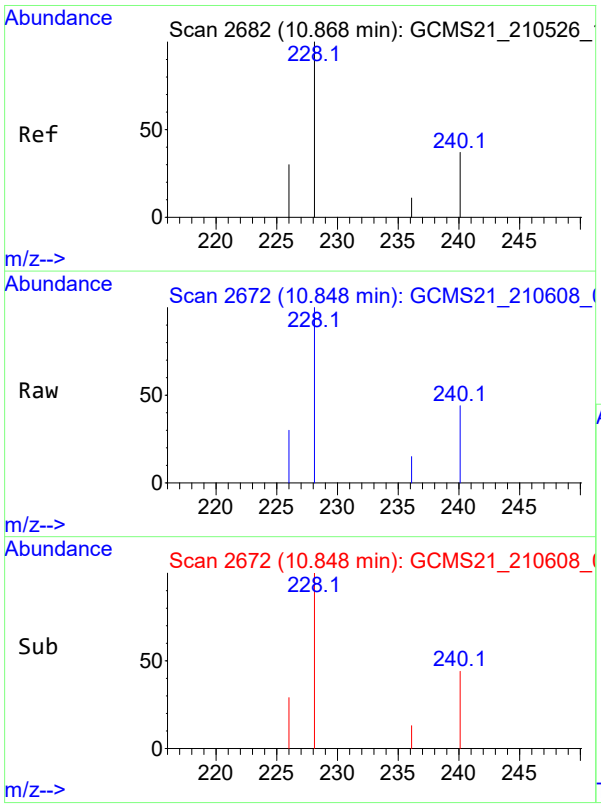


#18
Pyrene
Concen: 678.38 ng/mL
RT: 9.135 min Scan# 1991
Delta R.T. 0.015 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:202 Resp: 1168892

Ion	Ratio	Lower	Upper
202	100		
200	24.2	0.0	54.2
101	43.4	0.0	44.6

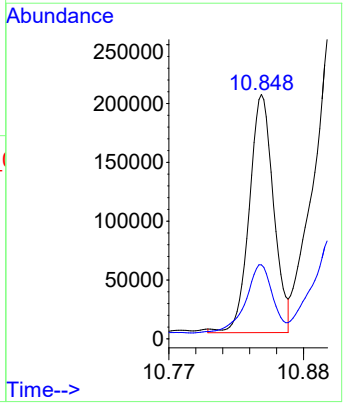


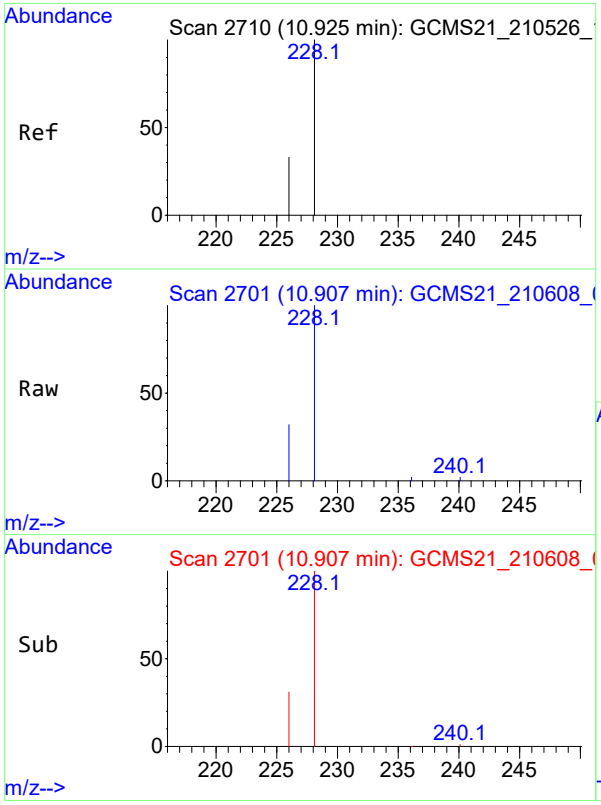


#19
Benzo(a)anthracene
Concen: 220.32 ng/mL m
RT: 10.848 min Scan# 2672
Delta R.T. 0.027 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:228 Resp: 286501

Ion	Ratio	Lower	Upper
228	100		
226	0.0	0.0	59.9

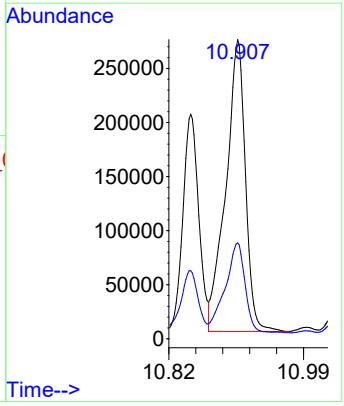


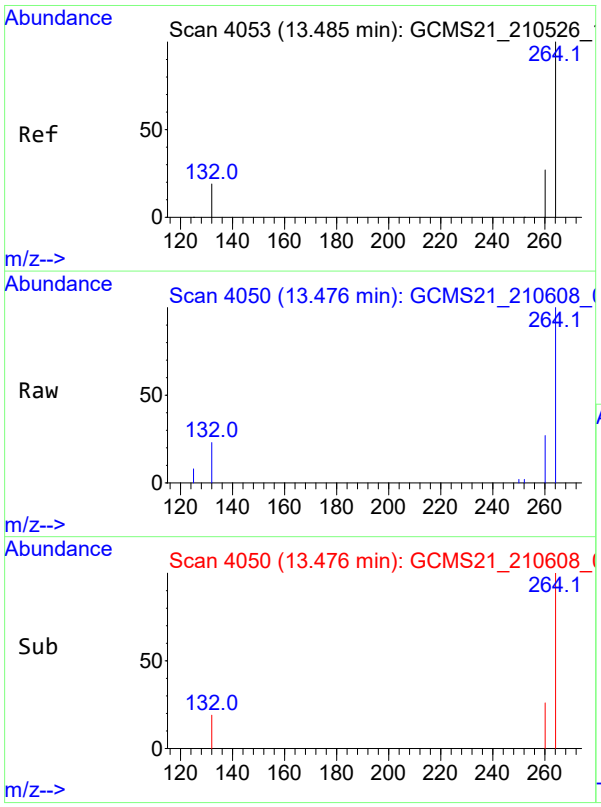


#20
Chrysene
Concen: 288.77 ng/mL
RT: 10.907 min Scan# 2701
Delta R.T. 0.029 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:228 Resp: 463612

Ion	Ratio	Lower	Upper
228	100		
226	30.8	2.8	62.8

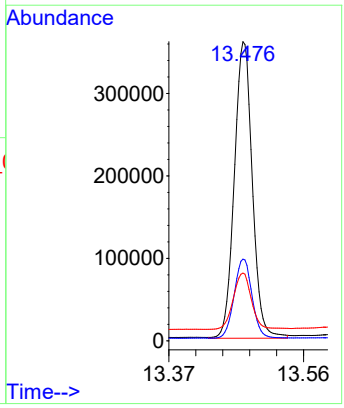


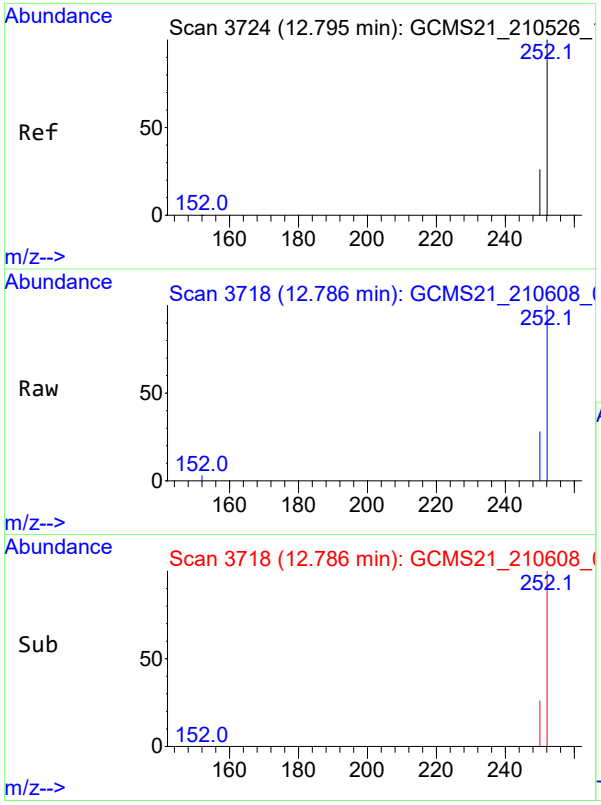


#21
PERYLENE-D12
Concen: 500.00 ng/mL m
RT: 13.476 min Scan# 4050
Delta R.T. 0.047 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:264 Resp: 652266

Ion	Ratio	Lower	Upper
264	100		
260	27.4	0.0	57.5
132	20.6	0.0	49.5

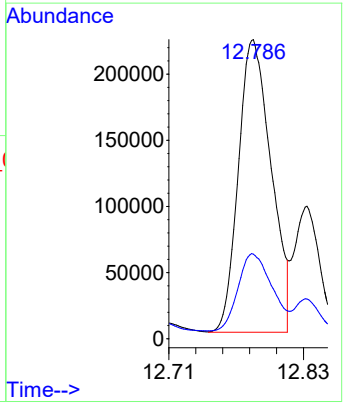


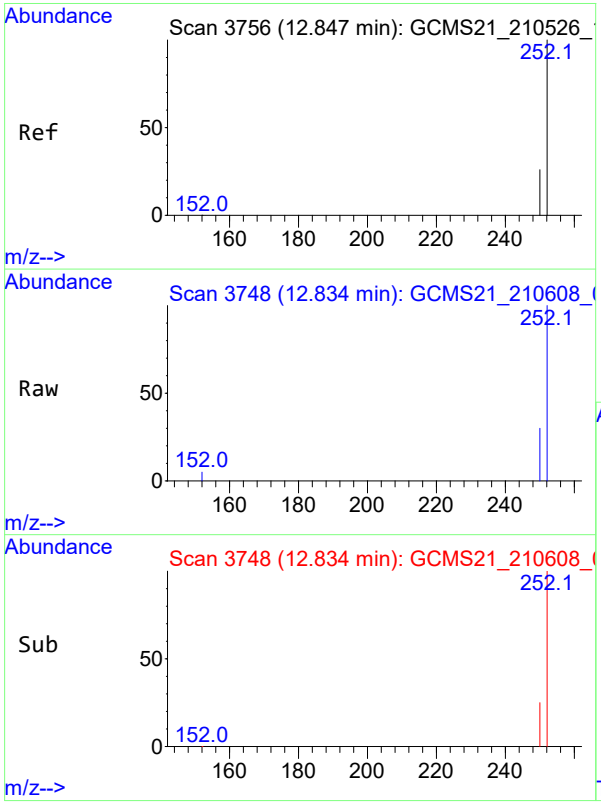


#22
Benzo(b)fluoranthene
Concen: 338.12 ng/mL m
RT: 12.786 min Scan# 3718
Delta R.T. 0.044 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 457792

Ion	Ratio	Lower	Upper
252	100		
250	2.6	0.0	56.2

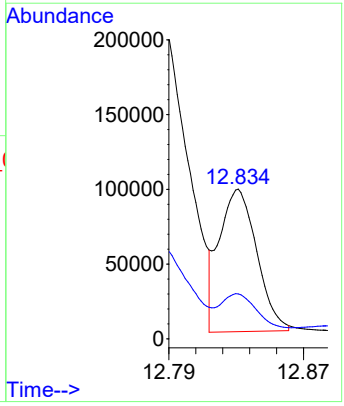


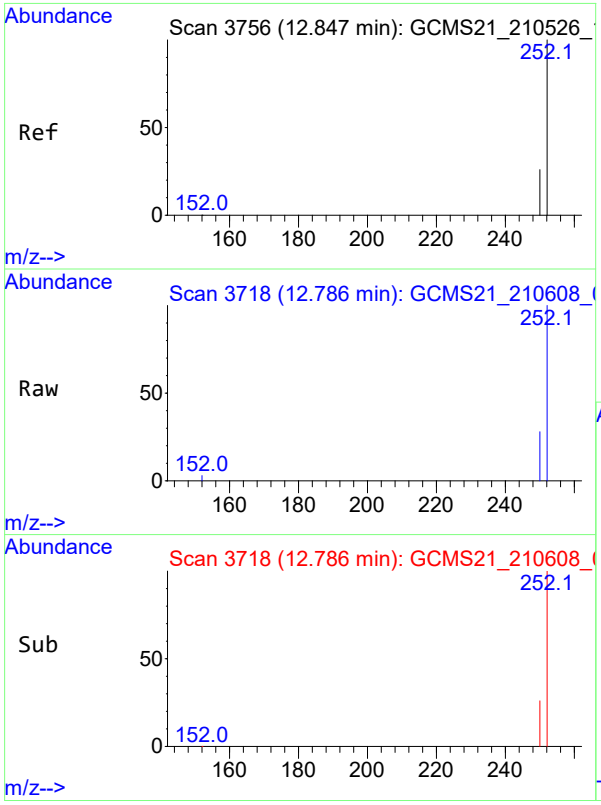


#23
Benzo(k)fluoranthene
Concen: 101.73 ng/mL m
RT: 12.834 min Scan# 3748
Delta R.T. 0.039 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 152654

Ion	Ratio	Lower	Upper
252	100		
250	82.1	0.0	55.6#

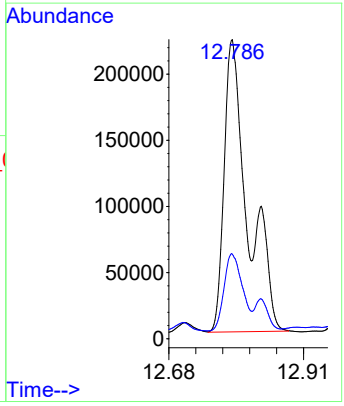


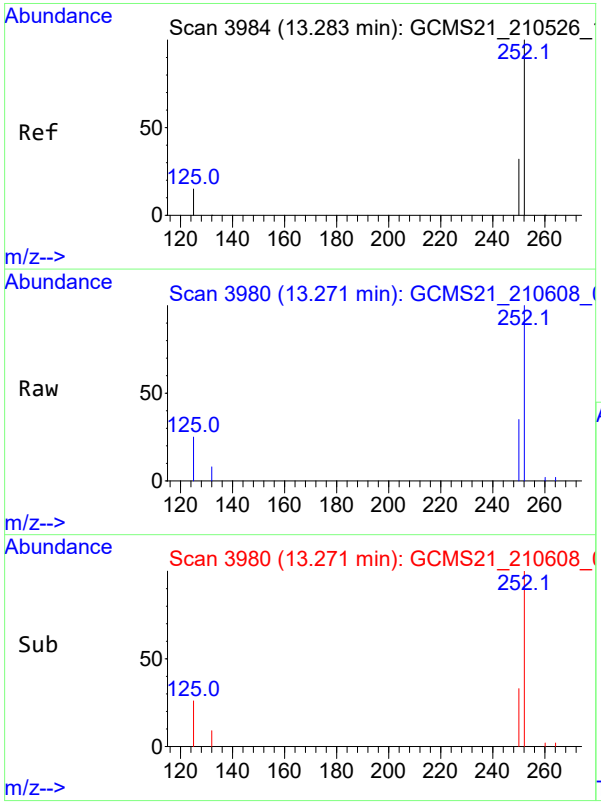


#24
benzo(b+k)fluoranthene (sum)
Concen: 413.76 ng/mL m
RT: 12.786 min Scan# 3718
Delta R.T. -0.010 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 608709

Ion	Ratio	Lower	Upper
252	100		
250	20.6	0.0	55.6

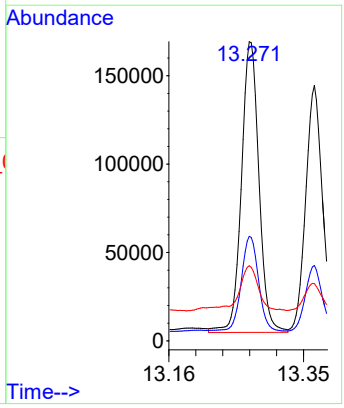


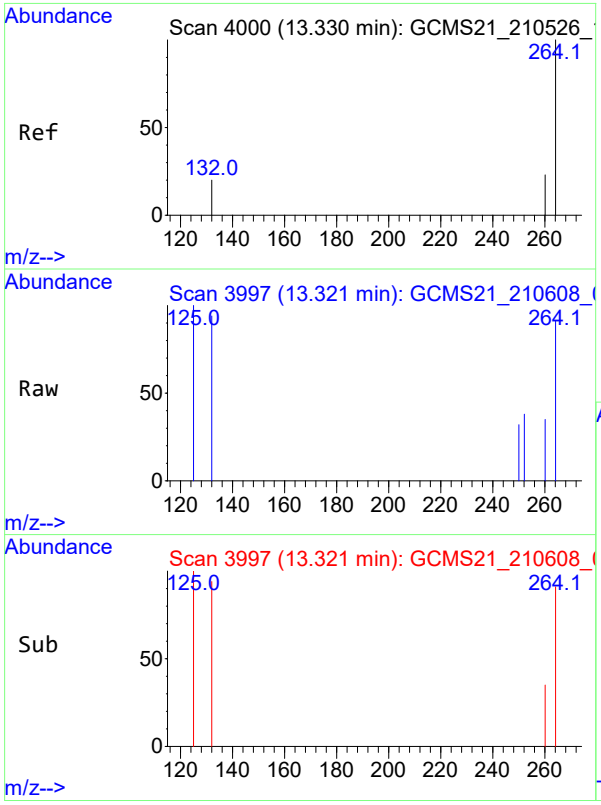


#25
Benzo(e)pyrene
Concen: 210.18 ng/mL
RT: 13.271 min Scan# 3980
Delta R.T. 0.041 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 287020

Ion	Ratio	Lower	Upper
252	100		
250	31.9	2.3	62.3
125	55.2	0.0	46.1#

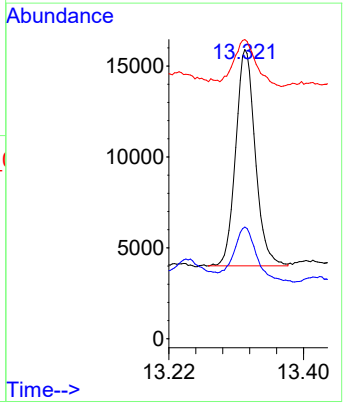


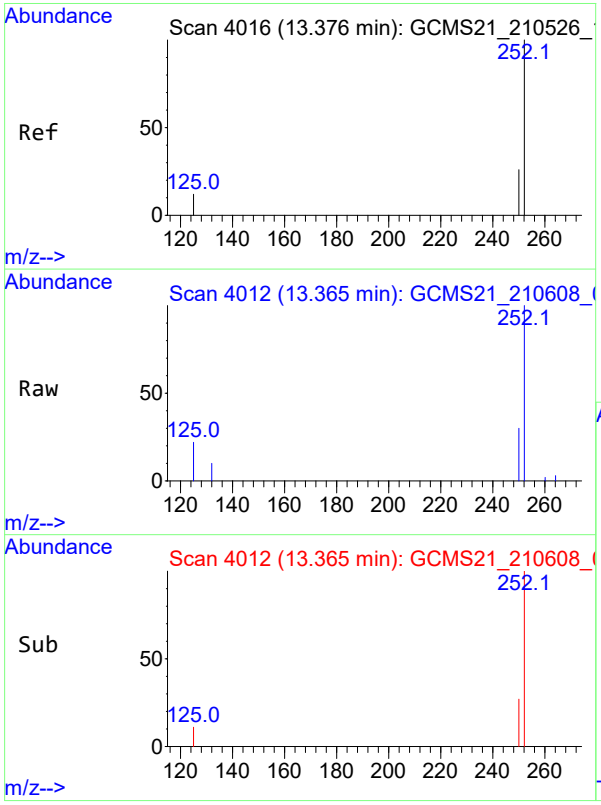


#26
Benzo(a)pyrene-D12
Concen: 19.64 ng/mL
RT: 13.321 min Scan# 3997
Delta R.T. 0.044 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:264 Resp: 20815

Ion	Ratio	Lower	Upper
264	100		
260	70.7	0.0	53.0#
132	24.8	0.0	49.8

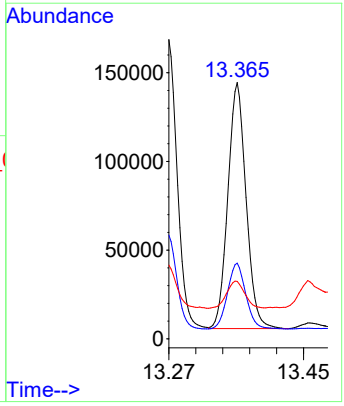


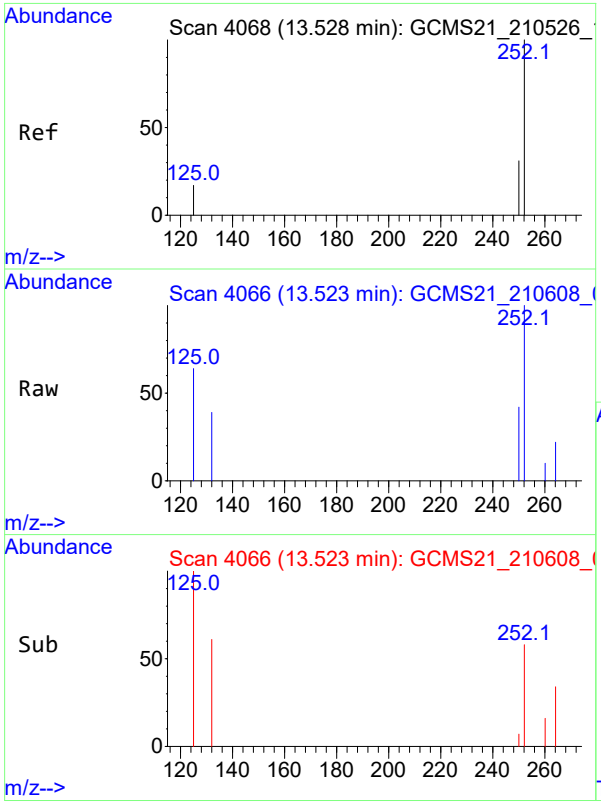


#27
Benzo(a)pyrene
Concen: 187.81 ng/mL
RT: 13.365 min Scan# 4012
Delta R.T. 0.044 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 232076

Ion	Ratio	Lower	Upper
252	100		
250	26.9	0.0	56.6
125	11.0	0.0	42.1

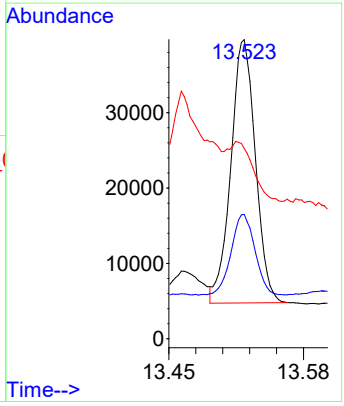


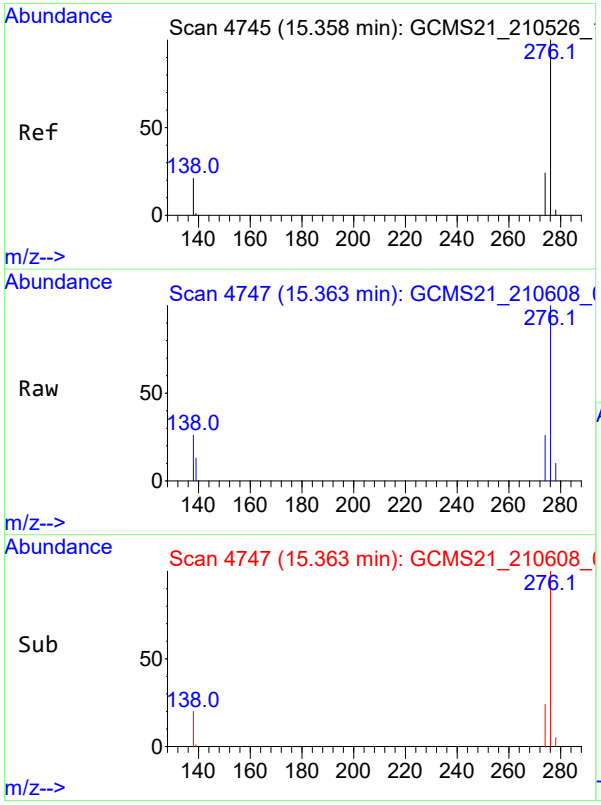


#28
Perylene
Concen: 43.84 ng/mL m
RT: 13.523 min Scan# 4066
Delta R.T. 0.047 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:252 Resp: 60835

Ion	Ratio	Lower	Upper
252	100		
250	35.0	1.2	61.2
125	28.0	0.0	46.7

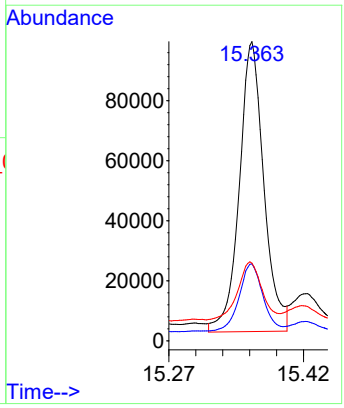


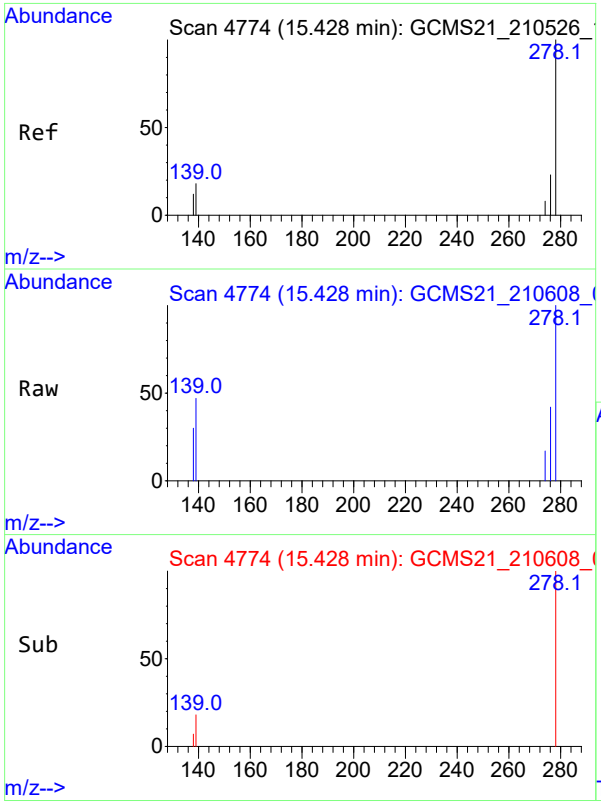


#29
Indeno(1,2,3-cd)pyrene
Concen: 181.71 ng/mL m
RT: 15.363 min Scan# 4747
Delta R.T. 0.063 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:276 Resp: 192138

Ion	Ratio	Lower	Upper
276	100		
274	27.3	0.0	53.4
138	20.1	0.0	51.2

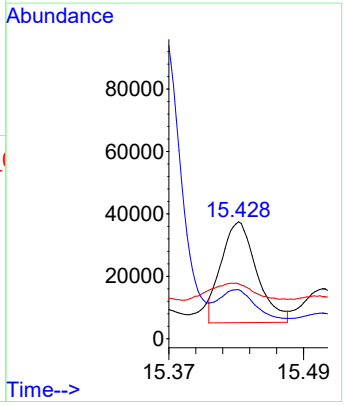


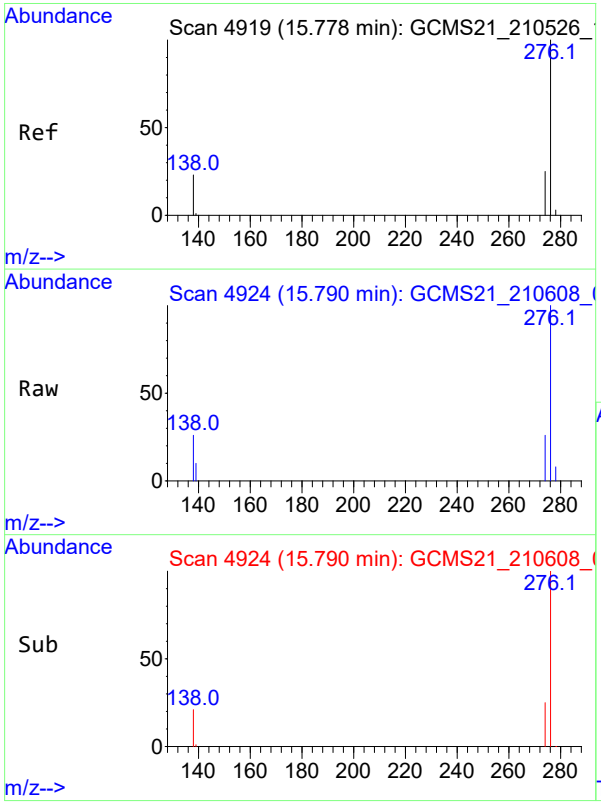


#30
Dibenz(a,h)anthracene
Concen: 66.84 ng/mL m
RT: 15.428 min Scan# 4774
Delta R.T. 0.056 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:278 Resp: 70437

Ion	Ratio	Lower	Upper
278	100		
276	47.8	0.0	58.4
139	32.9	0.0	47.7

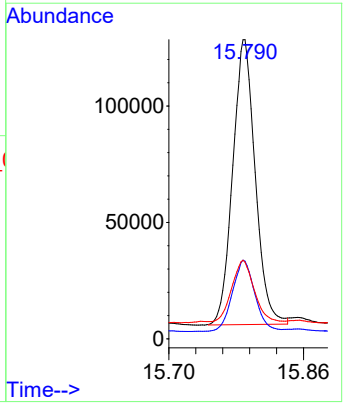




#31
Benzo(g,h,i)perylene
Concen: 165.68 ng/mL m
RT: 15.790 min Scan# 4924
Delta R.T. 0.065 min
Lab File: GCMS21_210608_09.D
Acq: 08 Jun 2021 12:02

Tgt Ion:276 Resp: 227623

Ion	Ratio	Lower	Upper
276	100		
274	26.7	0.0	54.3
138	27.5	0.0	53.0



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_08.D
Acq On : 08 Jun 2021 11:38
Operator : MN GCMS21
Sample : 2105001-18RE
Misc : 20X 50µL in 950µL DL solvent 21D3002
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 01 10:48:13 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.278	136	400198	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.069	164	240143	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.615	188	494119	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.846	240	481480	500.00	ng/mL	0.00
21) PERYLENE-D12	13.447	264	535935	500.00	ng/mL	0.02
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.074	152	109	0.22	ng/mL	0.10
9) Fluorene-D10	6.613	176	11280	19.62	ng/mL	0.00
14) Fluoranthene-D10	8.873	212	20443	19.11	ng/mL	0.00
17) Pyrene-D10	9.106	212	20930	19.05	ng/mL	0.00
26) Benzo(a)pyrene-D12	13.292	264	967	1.11	ng/mL	0.01
Target Compounds						Qvalue
2) Naphthalene	4.298	128	76718	99.91	ng/mL	98
4) 2-Methylnaphthalene	5.004	142	10936	19.34	ng/mL	100
5) 1-Methylnaphthalene	5.100	142	5455	11.58	ng/mL	98
7) Acenaphthylene	5.919	152	3634	4.56	ng/mL	93
8) Acenaphthene	6.103	153	11844	19.41	ng/mL	99
10) Fluorene	6.641	166	96529	142.94	ng/mL	100
12) Phenanthrene	7.640	178	672226	563.69	ng/mL	99
13) Anthracene	7.694	178	29829	30.08	ng/mL	95
15) Fluoranthene	8.890	202	320610	254.73	ng/mL	99
18) Pyrene	9.124	202	197786	154.13	ng/mL	80
19) Benzo(a)anthracene	10.829	228	22260	22.99	ng/mL	97
20) Chrysene	10.887	228	36161	30.24	ng/mL	100
22) Benzo(b)fluoranthene	12.758	252	26725	24.02	ng/mL	94
23) Benzo(k)fluoranthene	12.807	252	9218	7.48	ng/mL	95
24) benzo(b+k)fluoranthene...	12.758	252	36057m	29.83	ng/mL	
25) Benzo(e)pyrene	13.242	252	13420	11.96	ng/mL	99
27) Benzo(a)pyrene	13.333	252	8968	8.83	ng/mL	99
28) Perylene	13.491	252	2522	2.21	ng/mL#	57
29) Indeno(1,2,3-cd)pyrene	15.324	276	9772	11.25	ng/mL	97
30) Dibenz(a,h)anthracene	15.387	278	2591	2.99	ng/mL	80
31) Benzo(g,h,i)perylene	15.749	276	11917	10.56	ng/mL	96

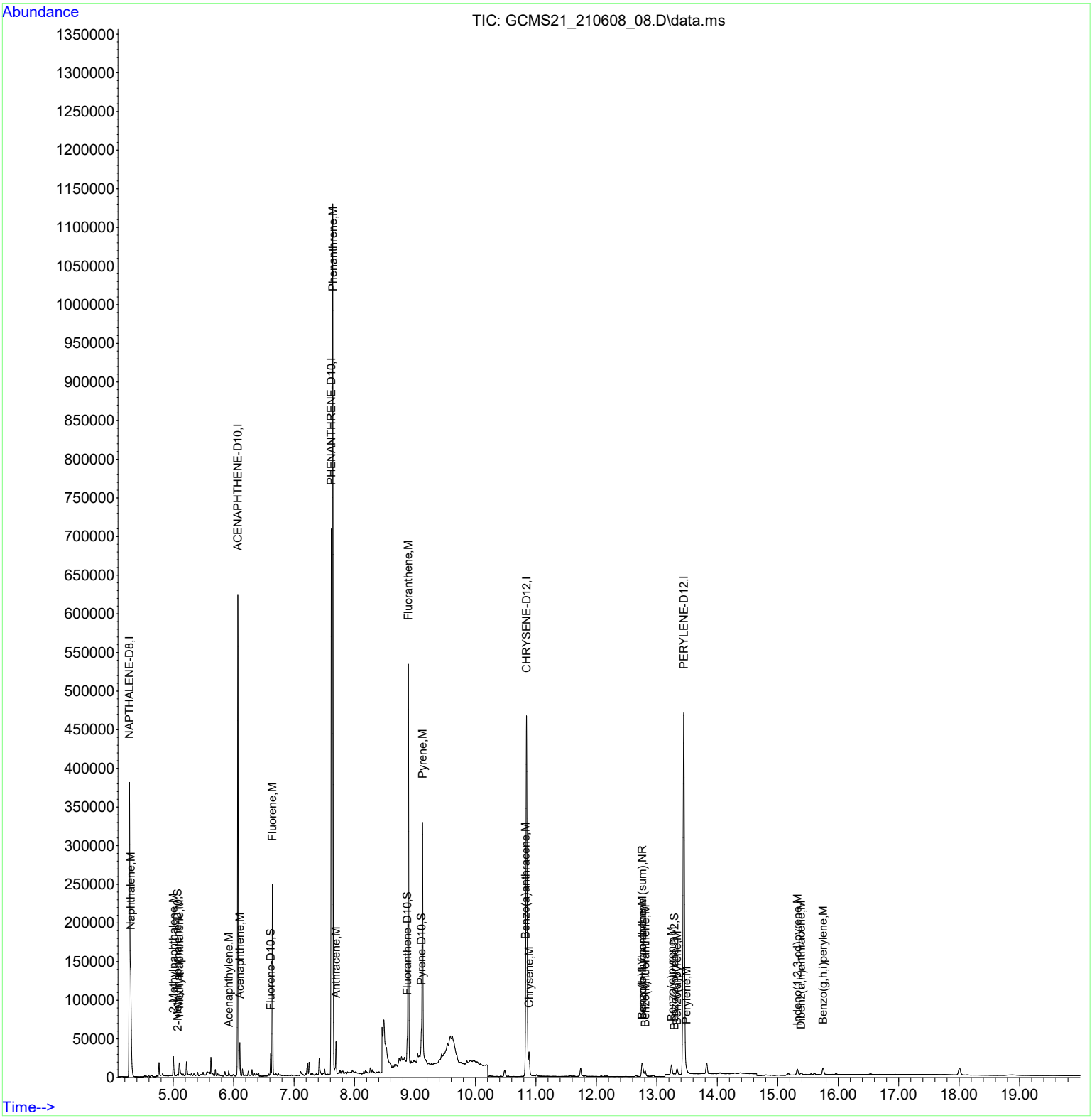
Only Phenanthrene was reported form this run. MN 07.01.2021

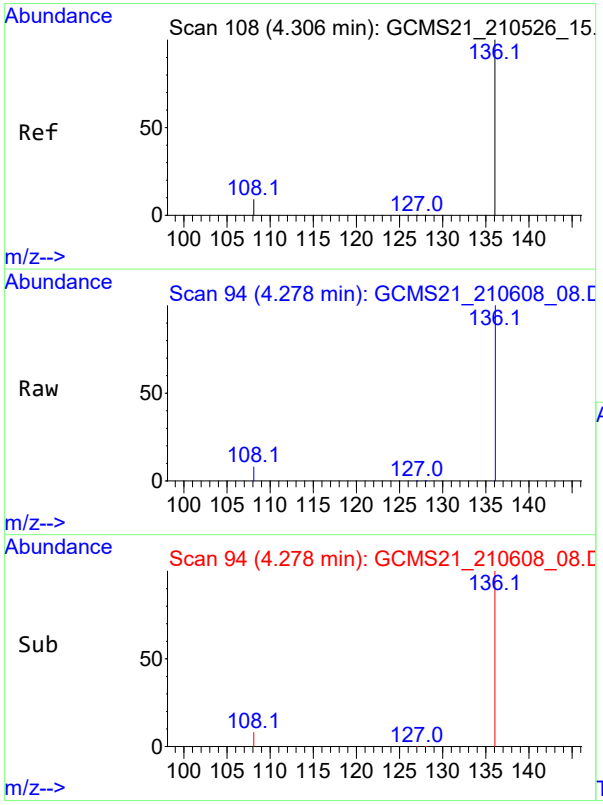
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_08.D
Acq On : 08 Jun 2021 11:38
Operator : MN GCMS21
Sample : 2105001-18RE
Misc : 20X 50µL in 950µL DL solvent 21D3002
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 01 10:48:13 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

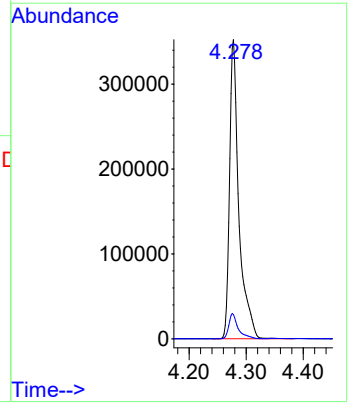


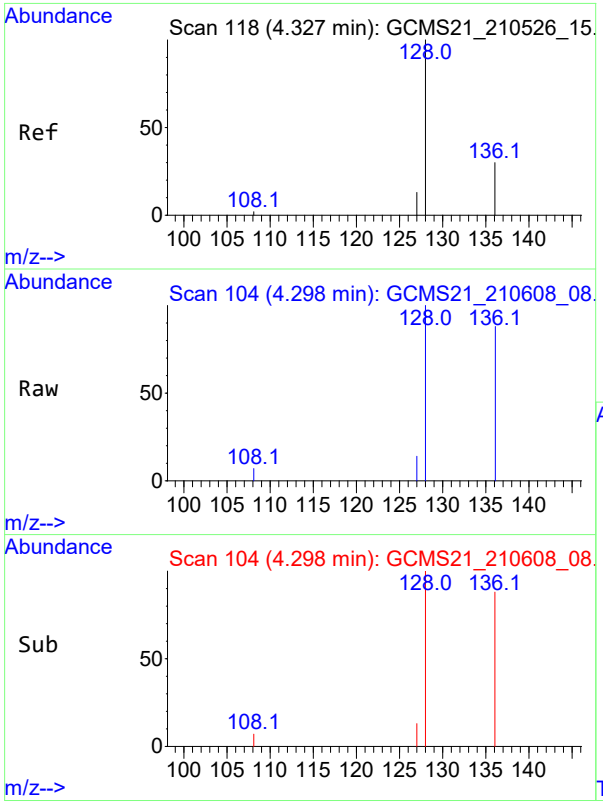


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.278 min Scan# 94
Delta R.T. 0.002 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:136 Resp: 400198

Ion	Ratio	Lower	Upper
136	100		
108	8.4	0.0	28.3

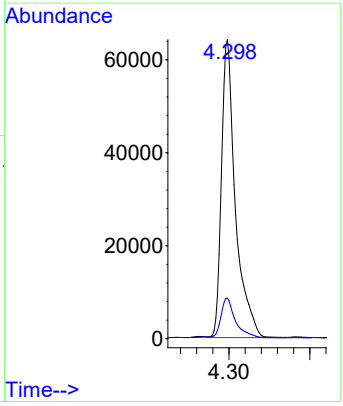


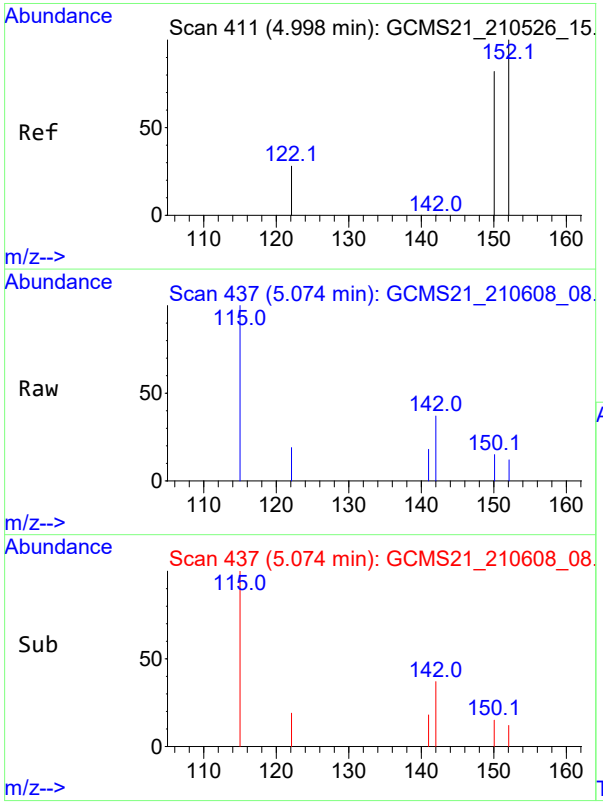


#2
Naphthalene
Concen: 99.91 ng/mL
RT: 4.298 min Scan# 104
Delta R.T. 0.002 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:128 Resp: 76718

Ion	Ratio	Lower	Upper
128	100		
127	13.9	0.0	43.3

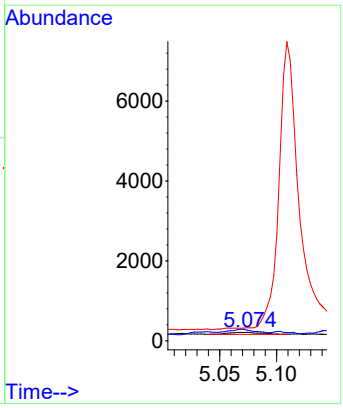


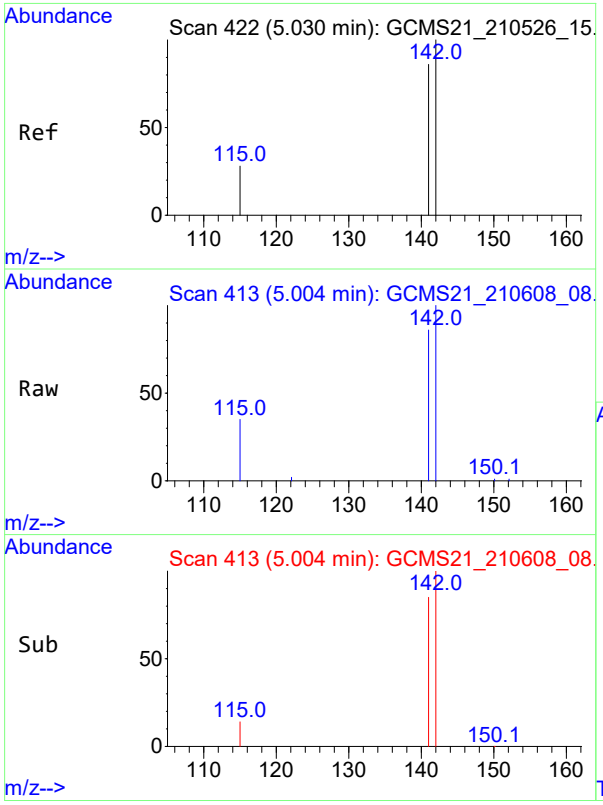


#3
2-Methylnaphthalene-D10
Concen: 0.22 ng/mL
RT: 5.074 min Scan# 437
Delta R.T. 0.105 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:152 Resp: 109

Ion	Ratio	Lower	Upper
152	100		
150	139.4	52.3	112.3#
122	8489.0	0.0	57.5#

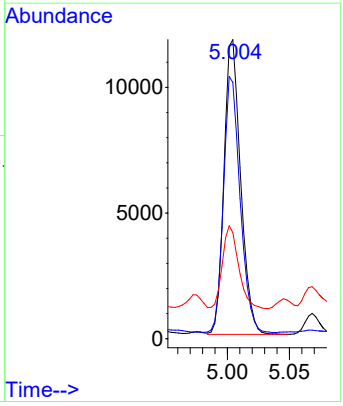


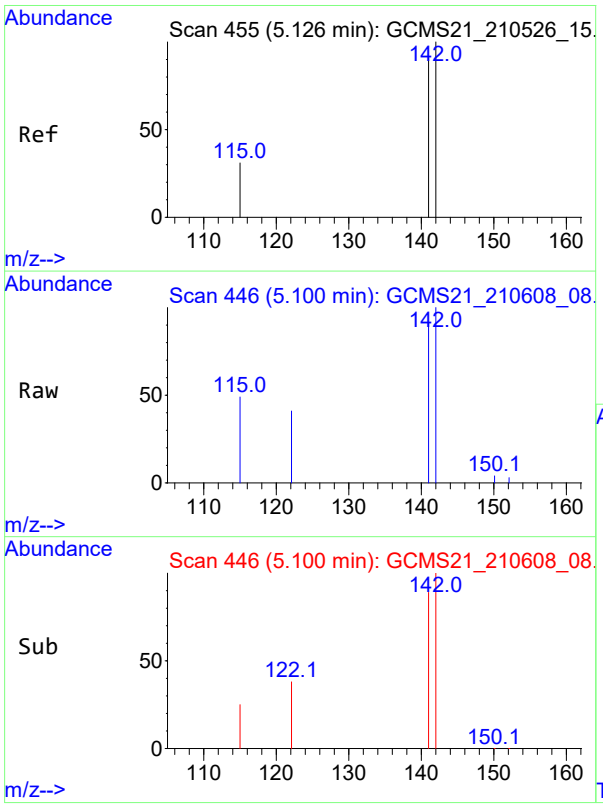


#4
2-Methylnaphthalene
Concen: 19.34 ng/mL
RT: 5.004 min Scan# 413
Delta R.T. 0.003 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:142 Resp: 10936

Ion	Ratio	Lower	Upper
142	100		
141	86.5	56.3	116.3
115	27.4	0.0	57.4

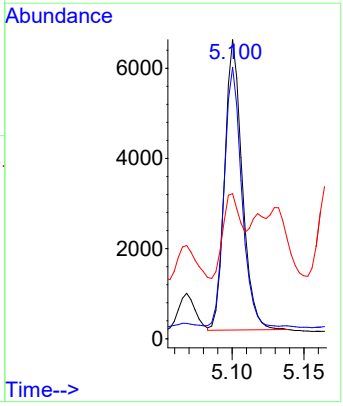


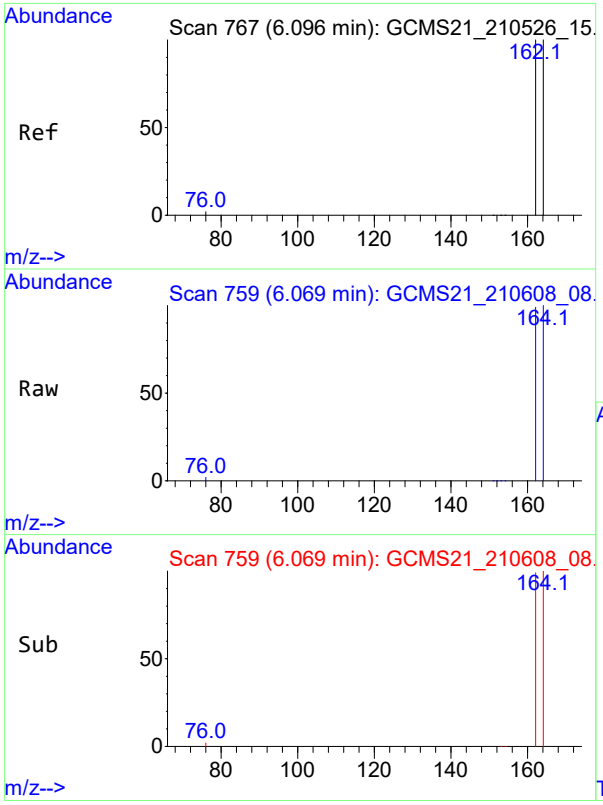


#5
1-Methylnaphthalene
Concen: 11.58 ng/mL
RT: 5.100 min Scan# 446
Delta R.T. 0.003 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:142 Resp: 5455

Ion	Ratio	Lower	Upper
142	100		
141	88.7	61.5	121.5
115	30.6	0.2	60.2

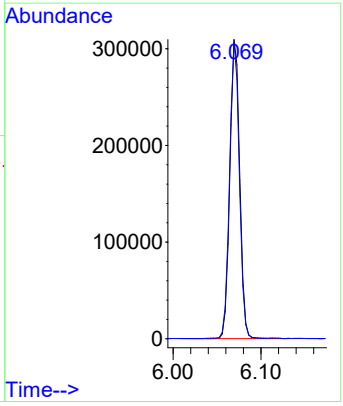


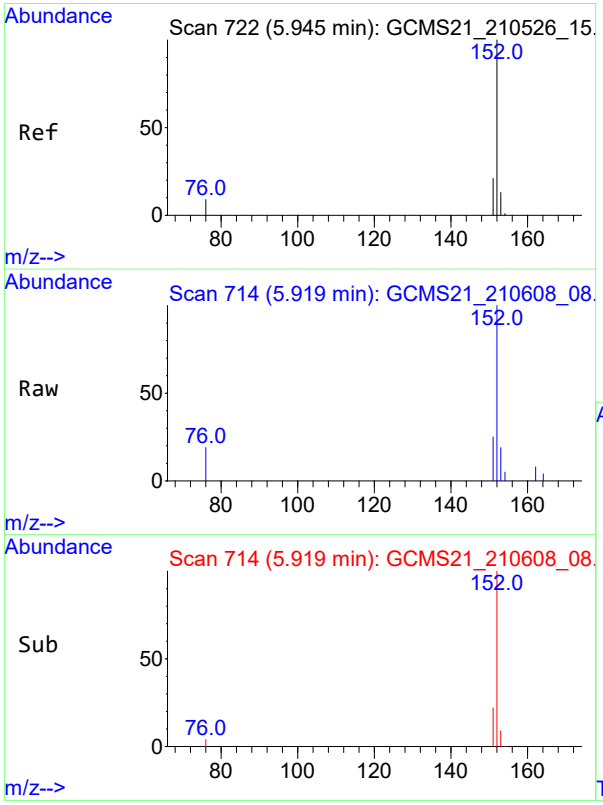


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.069 min Scan# 759
Delta R.T. -0.000 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:164 Resp: 240143

Ion	Ratio	Lower	Upper
164	100		
162	98.9	77.7	117.7

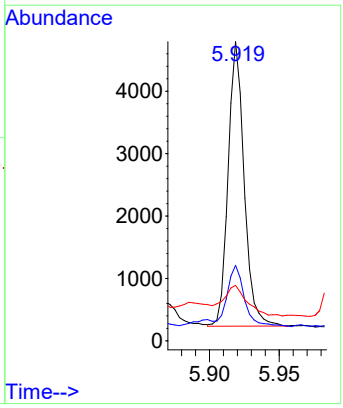


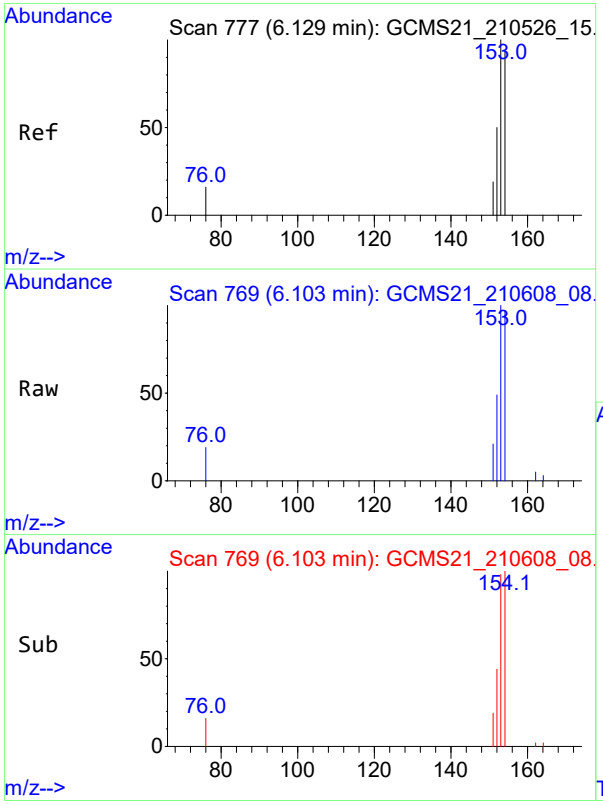


#7
Acenaphthylene
Concen: 4.56 ng/mL
RT: 5.919 min Scan# 714
Delta R.T. 0.003 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:152 Resp: 3634

Ion	Ratio	Lower	Upper
152	100		
151	23.3	0.0	52.0
76	15.7	0.0	39.5

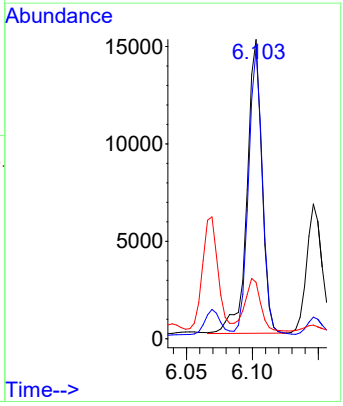


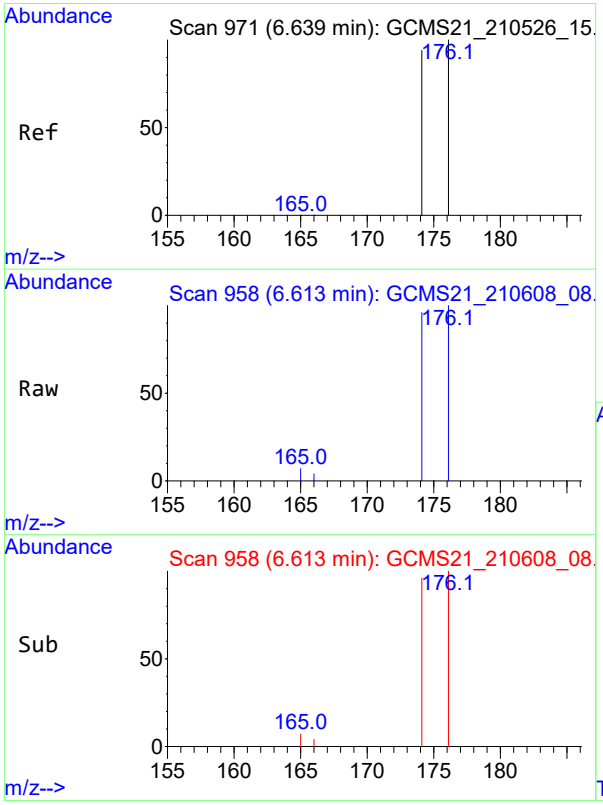


#8
Acenaphthene
Concen: 19.41 ng/mL
RT: 6.103 min Scan# 769
Delta R.T. 0.003 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:153 Resp: 11844

Ion	Ratio	Lower	Upper
153	100		
154	90.9	60.4	120.4
76	18.5	0.0	47.4

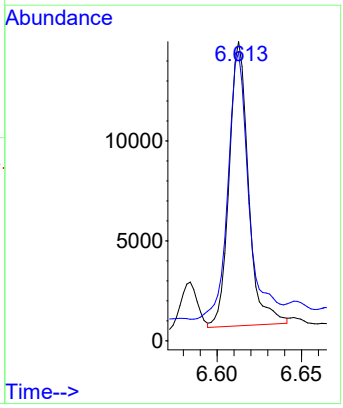


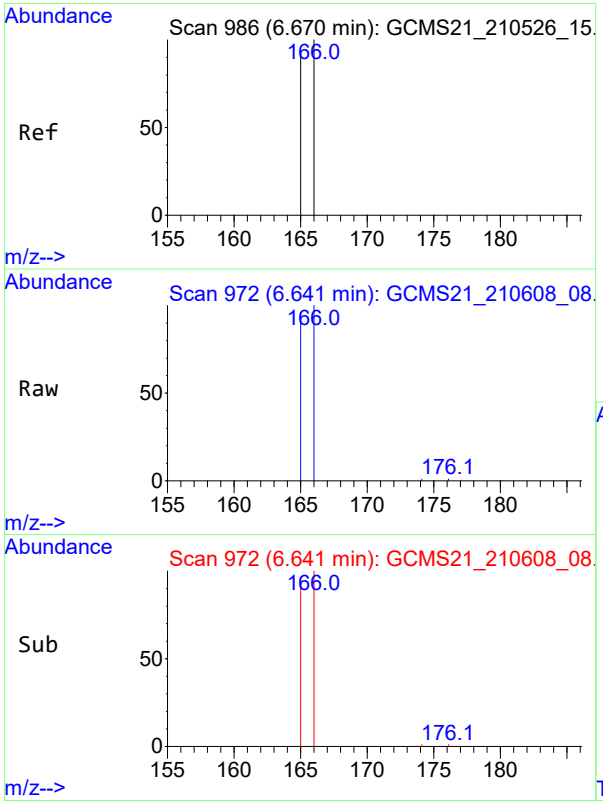


#9
Fluorene-D10
Concen: 19.62 ng/mL
RT: 6.613 min Scan# 958
Delta R.T. 0.002 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:176 Resp: 11280

Ion	Ratio	Lower	Upper
176	100		
174	101.7	63.9	123.9

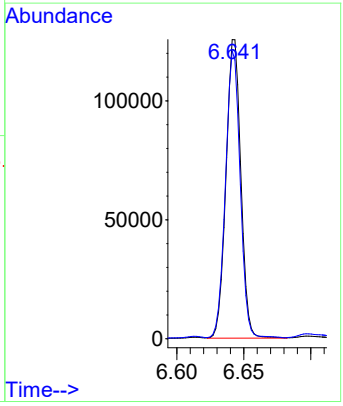


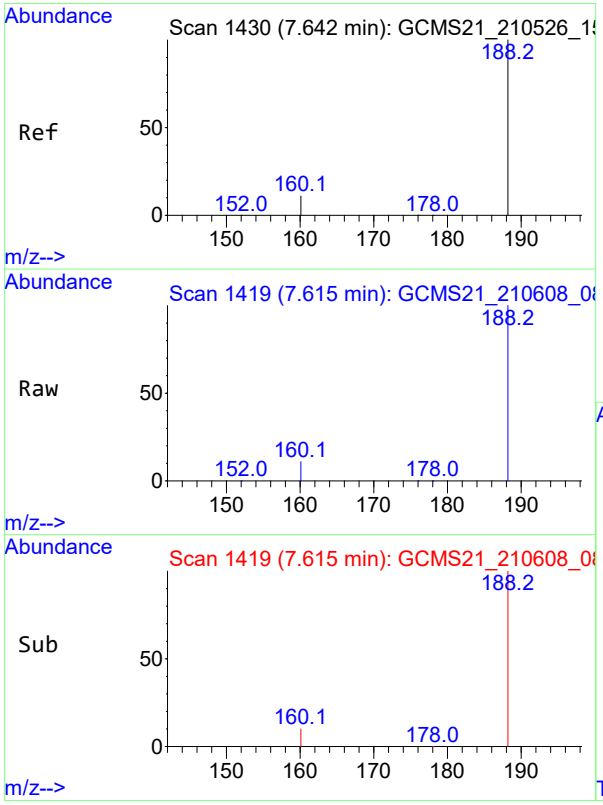


#10
Fluorene
Concen: 142.94 ng/mL
RT: 6.641 min Scan# 972
Delta R.T. -0.000 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:166 Resp: 96529

Ion	Ratio	Lower	Upper
166	100		
165	95.0	65.1	125.1

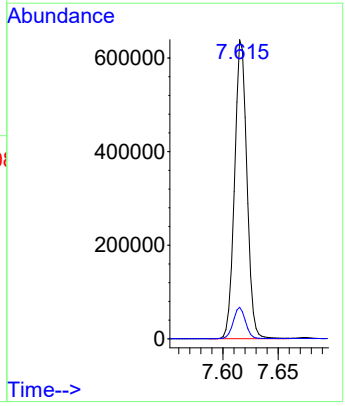


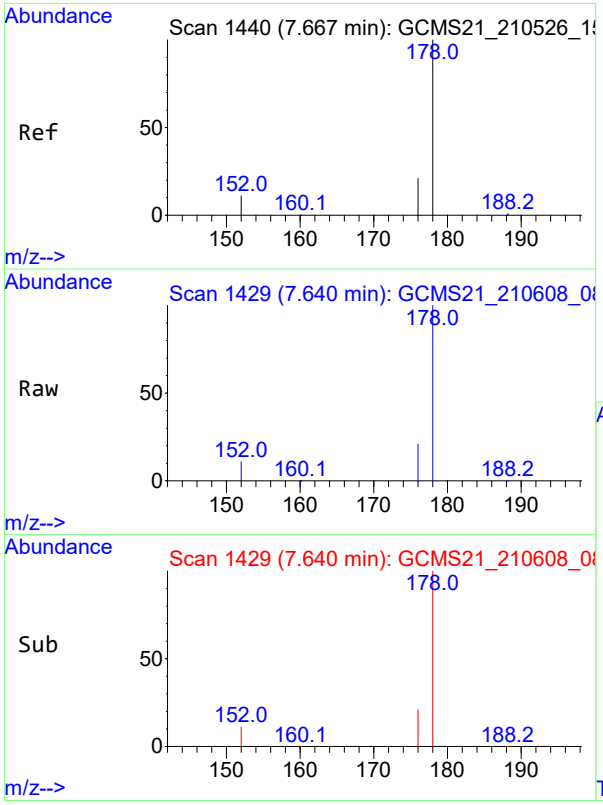


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.615 min Scan# 1419
Delta R.T. -0.000 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:188 Resp: 494119

Ion	Ratio	Lower	Upper
188	100		
160	10.4	0.0	39.8

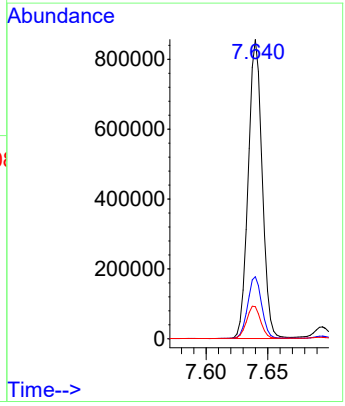


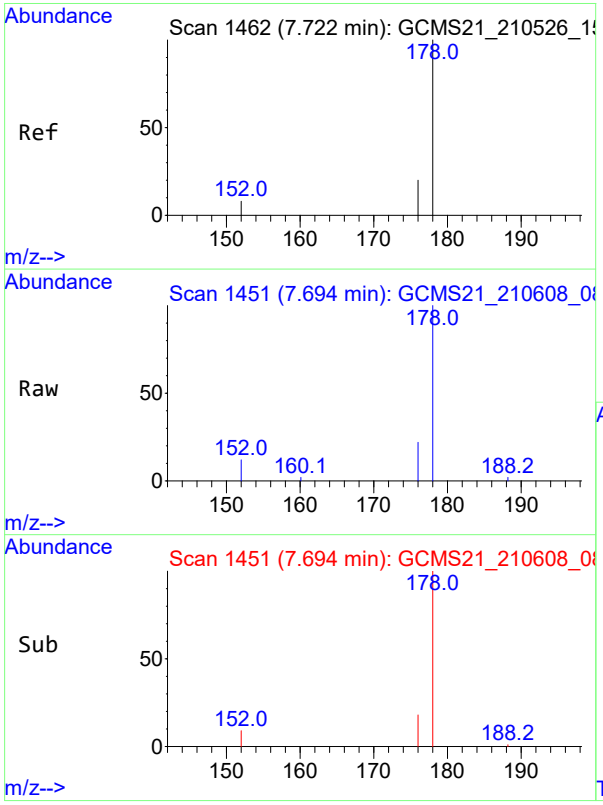


#12
Phenanthrene
Concen: 563.69 ng/mL
RT: 7.640 min Scan# 1429
Delta R.T. 0.002 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:178 Resp: 672226

Ion	Ratio	Lower	Upper
178	100		
176	20.7	0.0	51.1
152	10.9	0.0	40.6

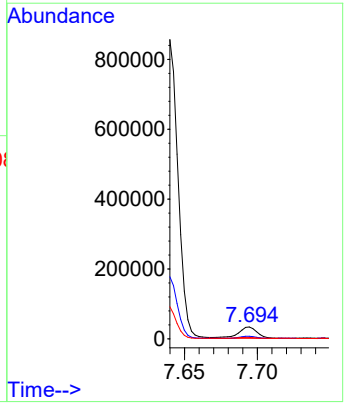


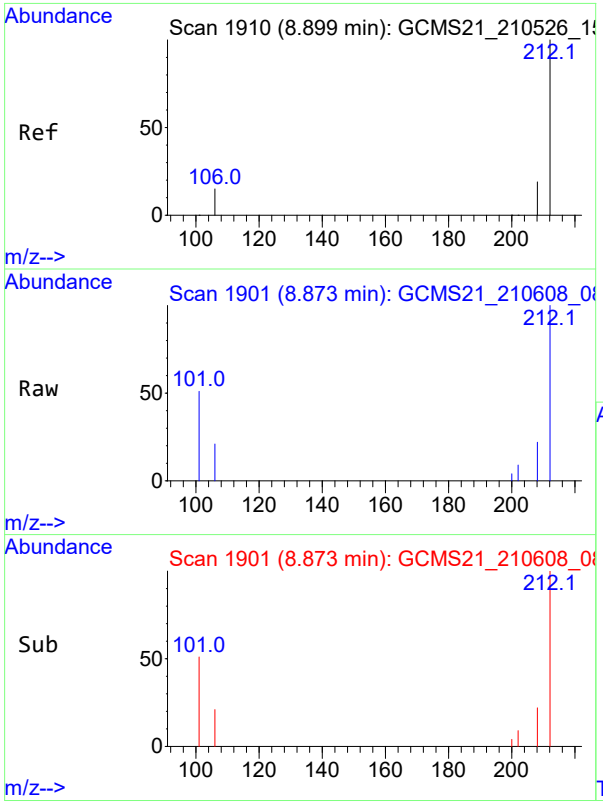


#13
Anthracene
Concen: 30.08 ng/mL
RT: 7.694 min Scan# 1451
Delta R.T. 0.002 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:178 Resp: 29829

Ion	Ratio	Lower	Upper
178	100		
176	18.3	0.0	50.4
152	11.0	0.0	38.3

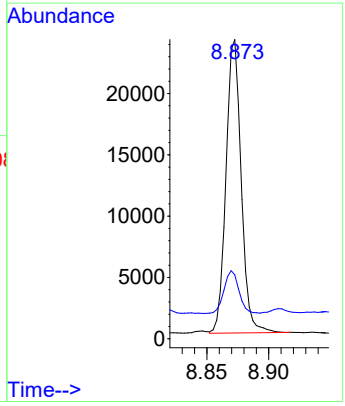


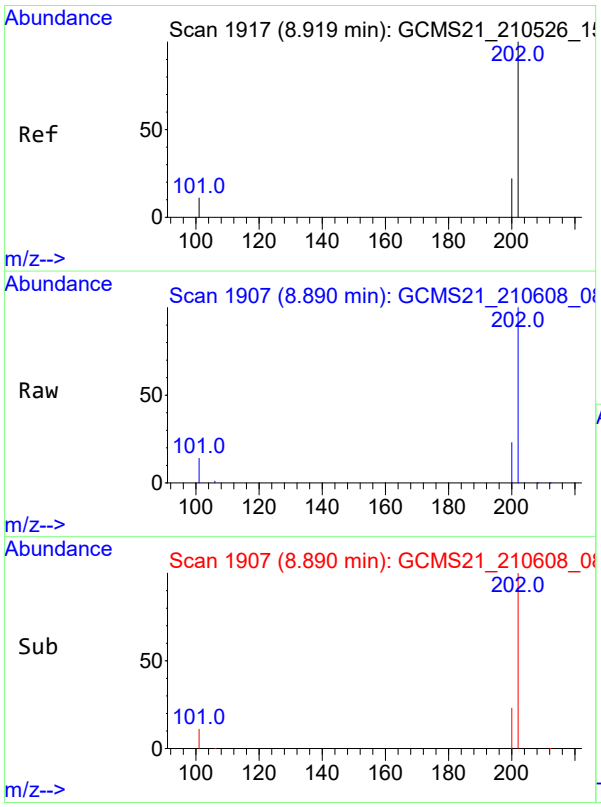


#14
Fluoranthene-D10
Concen: 19.11 ng/mL
RT: 8.873 min Scan# 1901
Delta R.T. 0.006 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:212 Resp: 20443

Ion	Ratio	Lower	Upper
212	100		
106	14.2	0.0	45.3

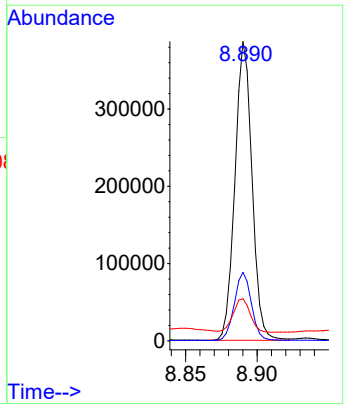


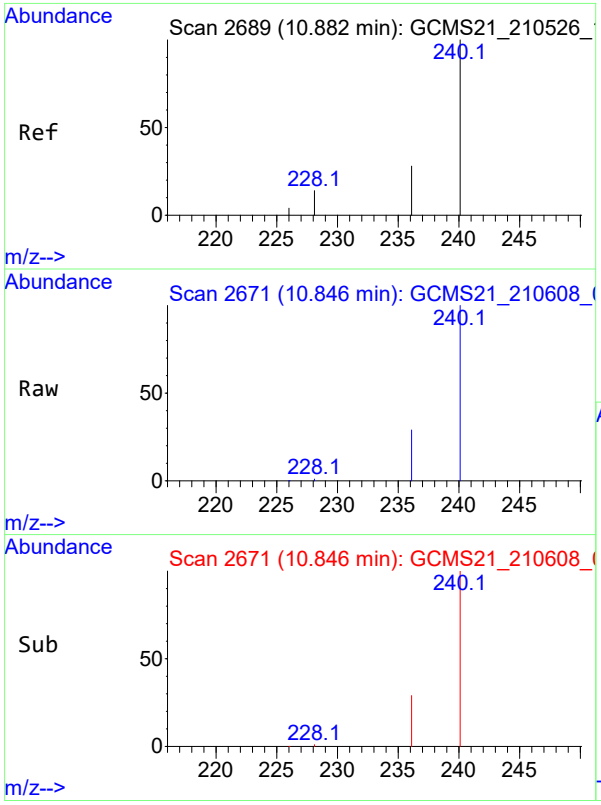


#15
Fluoranthene
Concen: 254.73 ng/mL
RT: 8.890 min Scan# 1907
Delta R.T. 0.003 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:202 Resp: 320610

Ion	Ratio	Lower	Upper
202	100		
200	22.8	0.0	53.2
101	11.1	0.0	41.8

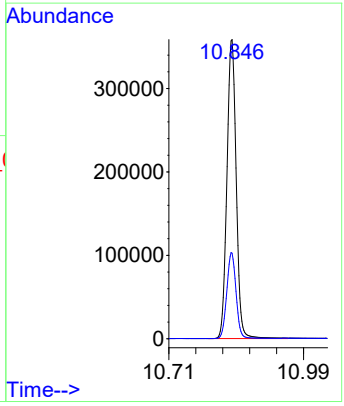


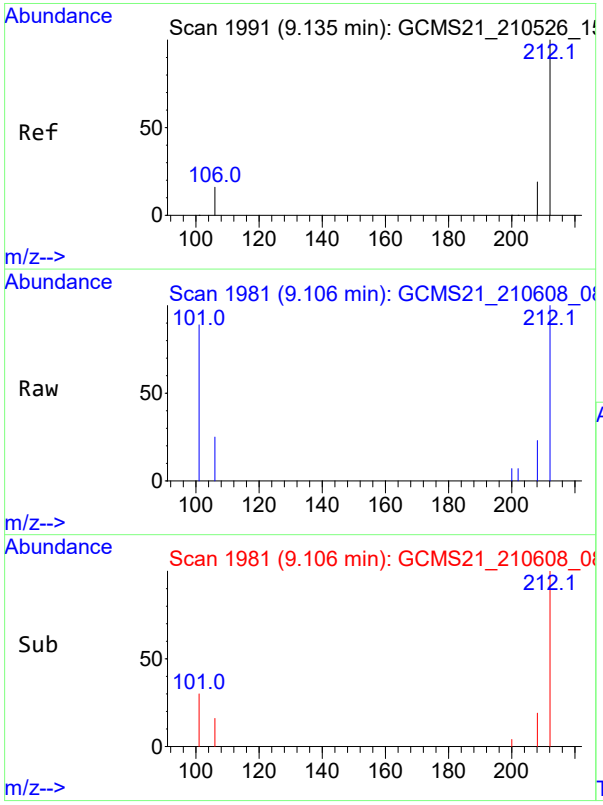


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.846 min Scan# 2671
Delta R.T. 0.008 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:240 Resp: 481480

Ion	Ratio	Lower	Upper
240	100		
236	28.8	0.0	58.6

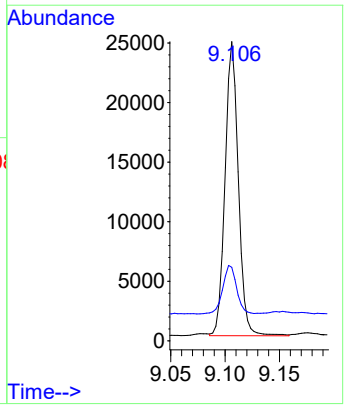


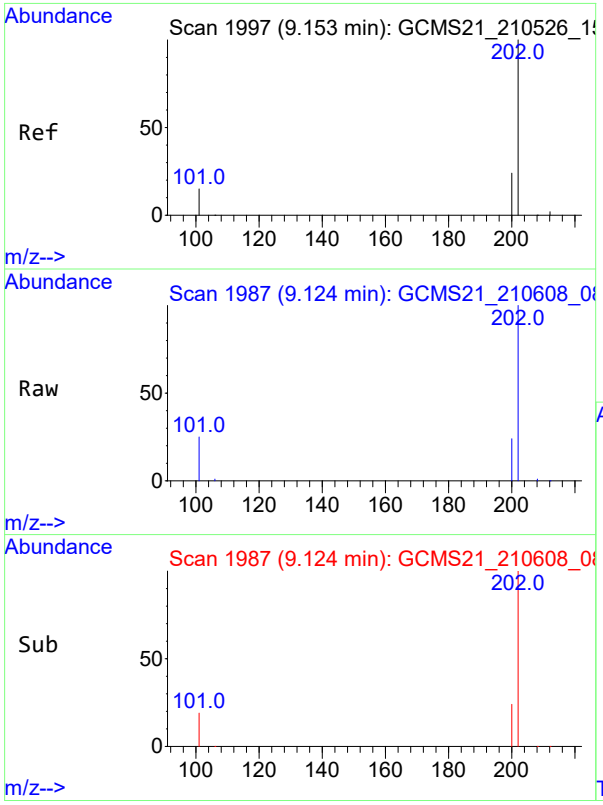


#17
Pyrene-D10
Concen: 19.05 ng/mL
RT: 9.106 min Scan# 1981
Delta R.T. 0.003 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:212 Resp: 20930

Ion	Ratio	Lower	Upper
212	100		
106	17.6	0.0	45.8

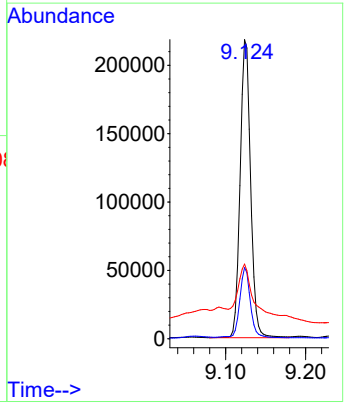


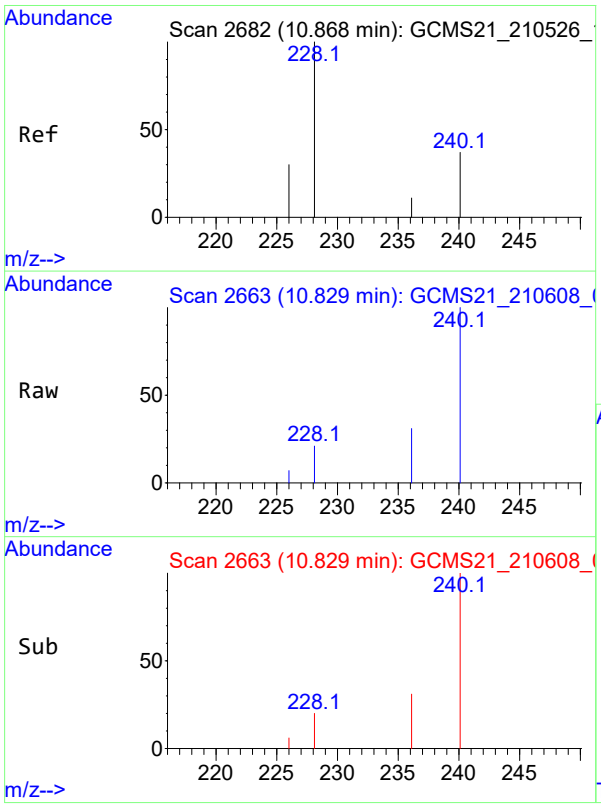


#18
Pyrene
Concen: 154.13 ng/mL
RT: 9.124 min Scan# 1987
Delta R.T. 0.003 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:202 Resp: 197786

Ion	Ratio	Lower	Upper
202	100		
200	24.5	0.0	54.2
101	36.3	0.0	44.6

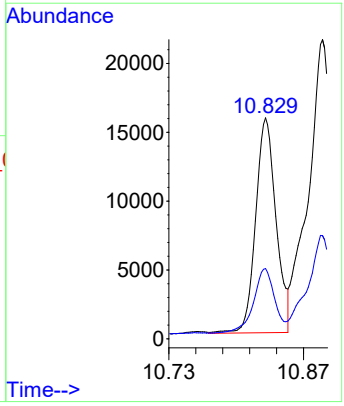


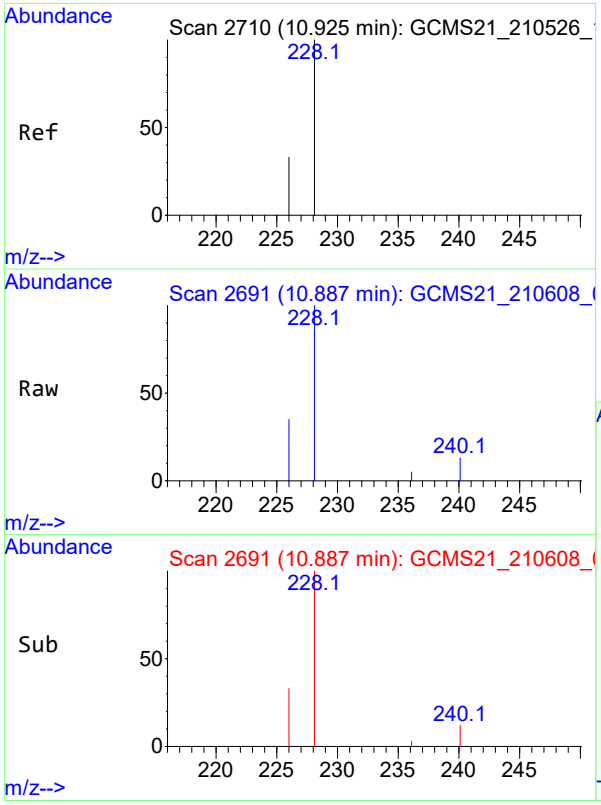


#19
Benzo(a)anthracene
Concen: 22.99 ng/mL
RT: 10.829 min Scan# 2663
Delta R.T. 0.008 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:228 Resp: 22260

Ion	Ratio	Lower	Upper
228	100		
226	31.3	0.0	59.9

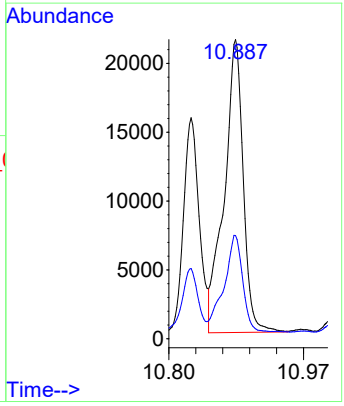


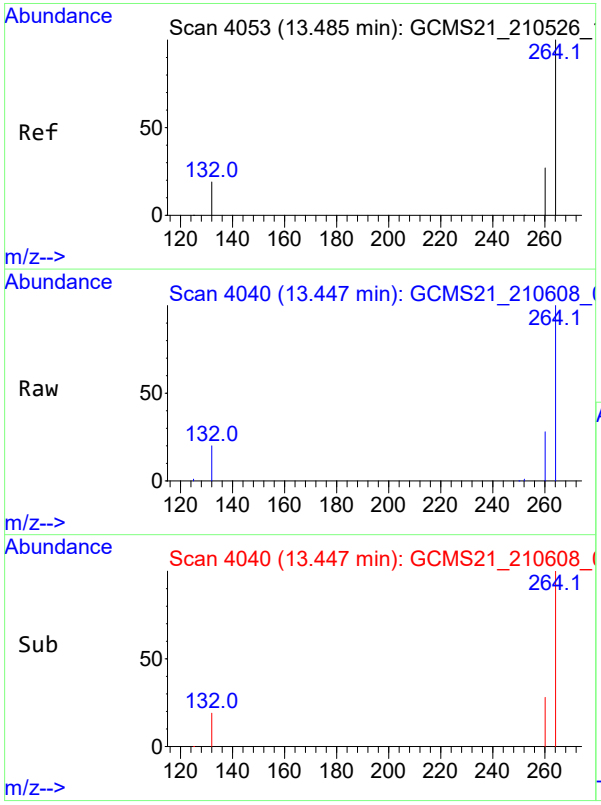


#20
Chrysene
Concen: 30.24 ng/mL
RT: 10.887 min Scan# 2691
Delta R.T. 0.008 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:228 Resp: 36161

Ion	Ratio	Lower	Upper
228	100		
226	32.6	2.8	62.8

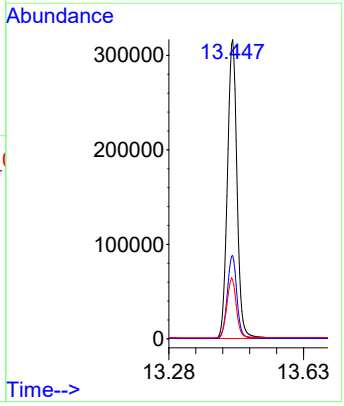


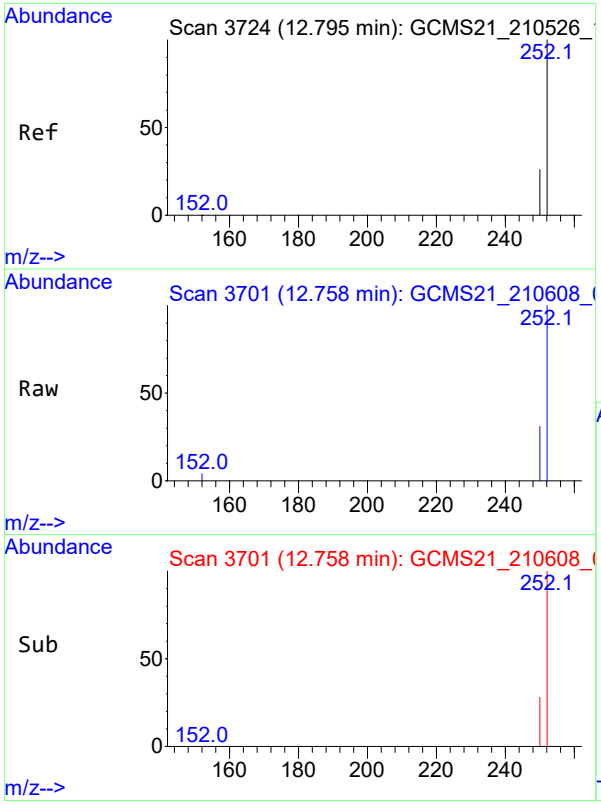


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.447 min Scan# 4040
Delta R.T. 0.018 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:264 Resp: 535935

Ion	Ratio	Lower	Upper
264	100		
260	27.9	0.0	57.5
132	19.8	0.0	49.5

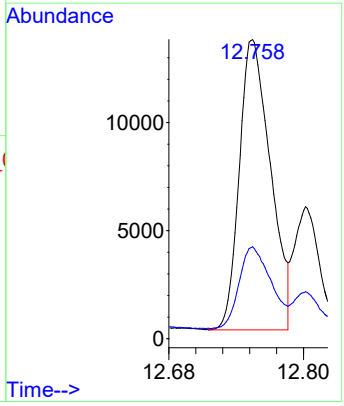


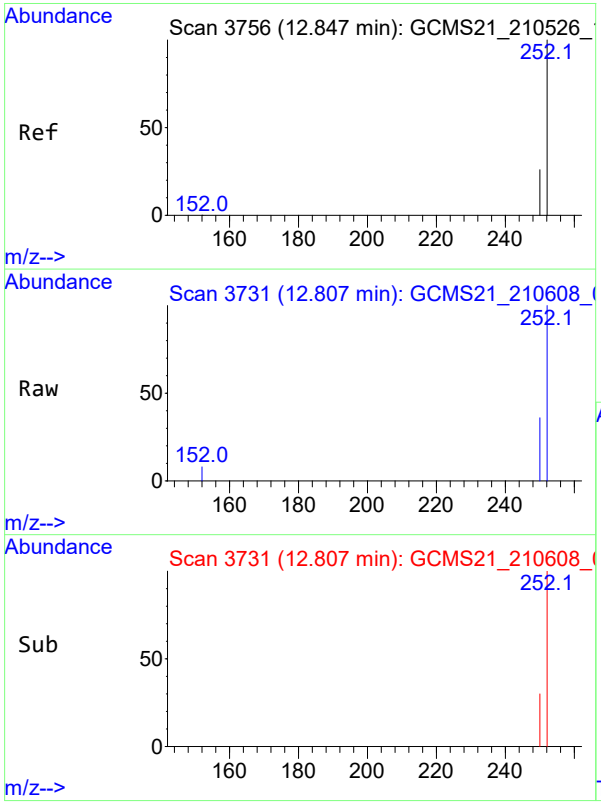


#22
Benzo(b)fluoranthene
Concen: 24.02 ng/mL
RT: 12.758 min Scan# 3701
Delta R.T. 0.016 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:252 Resp: 26725

Ion	Ratio	Lower	Upper
252	100		
250	29.0	0.0	56.2

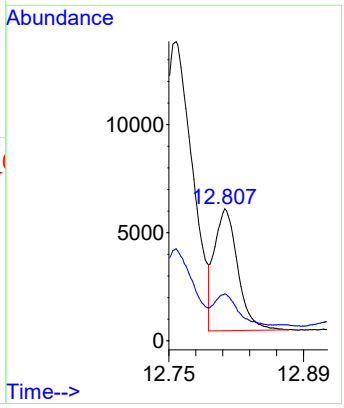


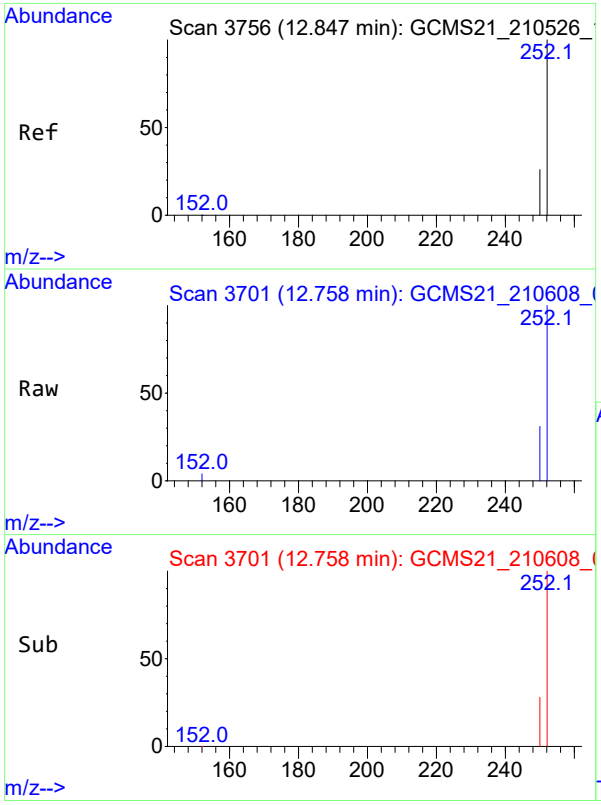


#23
Benzo(k)fluoranthene
Concen: 7.48 ng/mL
RT: 12.807 min Scan# 3731
Delta R.T. 0.011 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:252 Resp: 9218

Ion	Ratio	Lower	Upper
252	100		
250	28.0	0.0	55.6

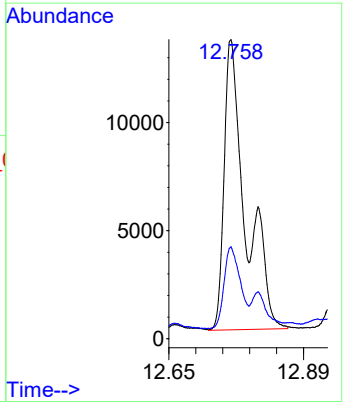


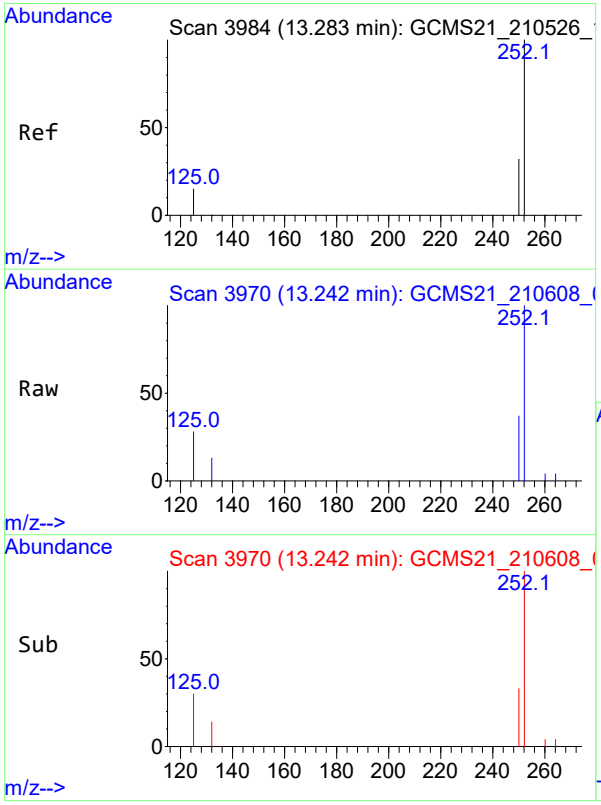


#24
benzo(b+k)fluoranthene (sum)
Concen: 29.83 ng/mL m
RT: 12.758 min Scan# 3701
Delta R.T. -0.037 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:252 Resp: 36057

Ion	Ratio	Lower	Upper
252	100		
250	31.8	0.0	55.6

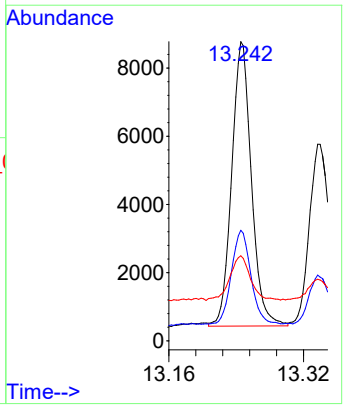


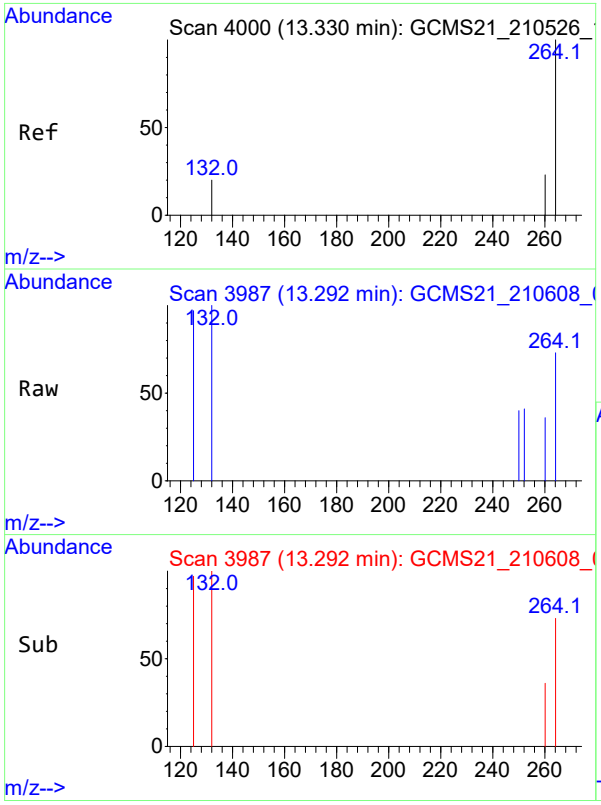


#25
Benzo(e)pyrene
Concen: 11.96 ng/mL
RT: 13.242 min Scan# 3970
Delta R.T. 0.012 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:252 Resp: 13420

Ion	Ratio	Lower	Upper
252	100		
250	32.6	2.3	62.3
125	16.4	0.0	46.1

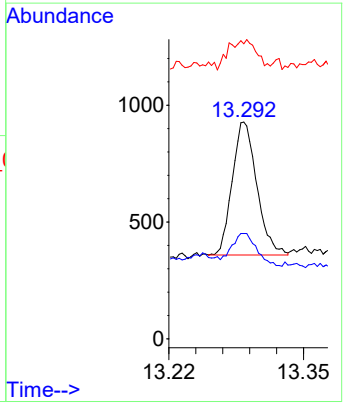


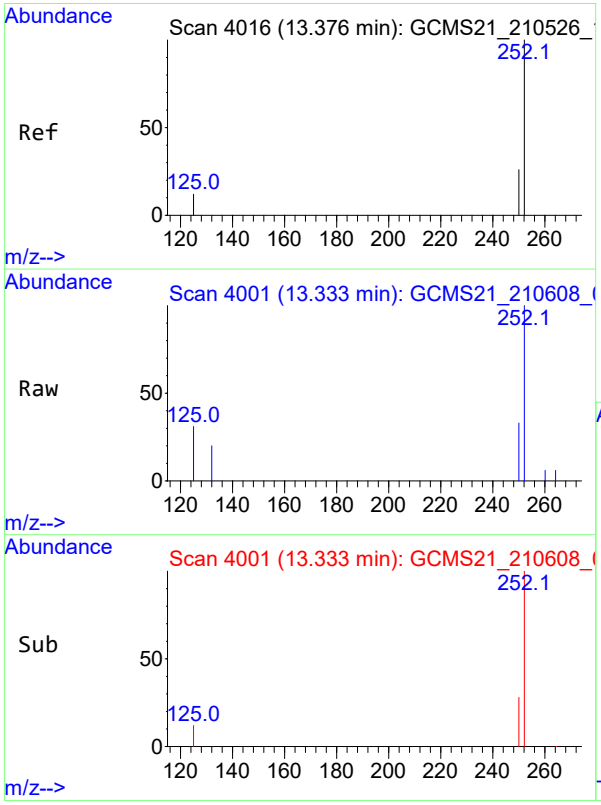


#26
Benzo(a)pyrene-D12
Concen: 1.11 ng/mL
RT: 13.292 min Scan# 3987
Delta R.T. 0.015 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:264 Resp: 967

Ion	Ratio	Lower	Upper
264	100		
260	25.2	0.0	53.0
132	13.7	0.0	49.8

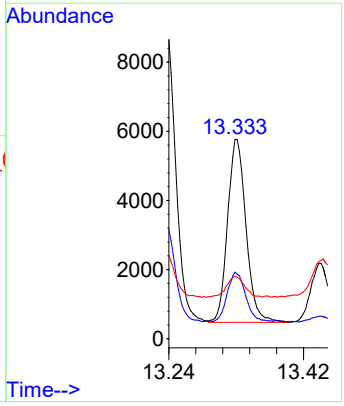


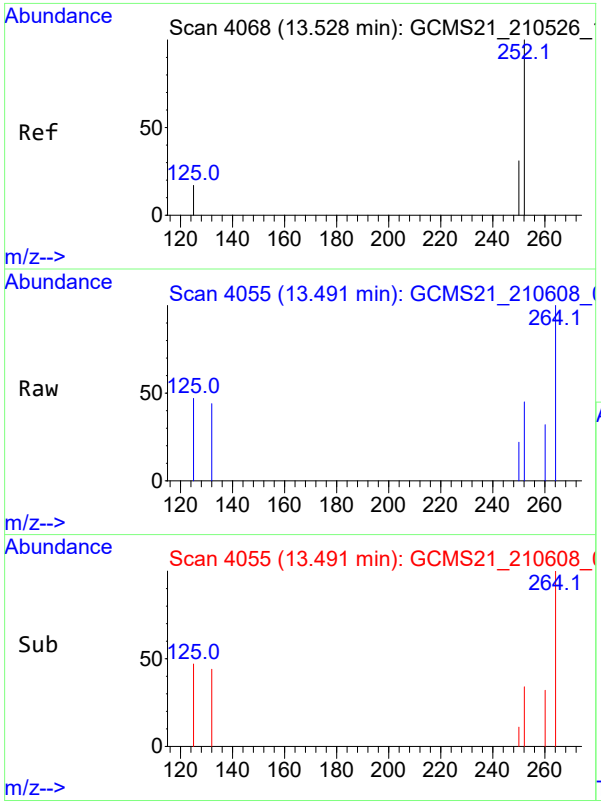


#27
Benzo(a)pyrene
Concen: 8.83 ng/mL
RT: 13.333 min Scan# 4001
Delta R.T. 0.012 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:252 Resp: 8968

Ion	Ratio	Lower	Upper
252	100		
250	26.7	0.0	56.6
125	11.4	0.0	42.1

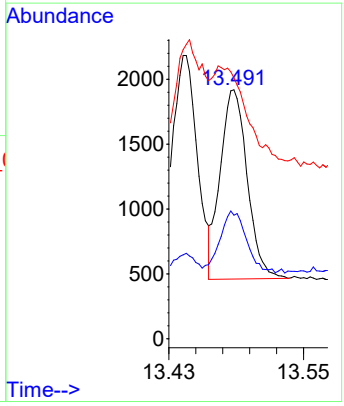


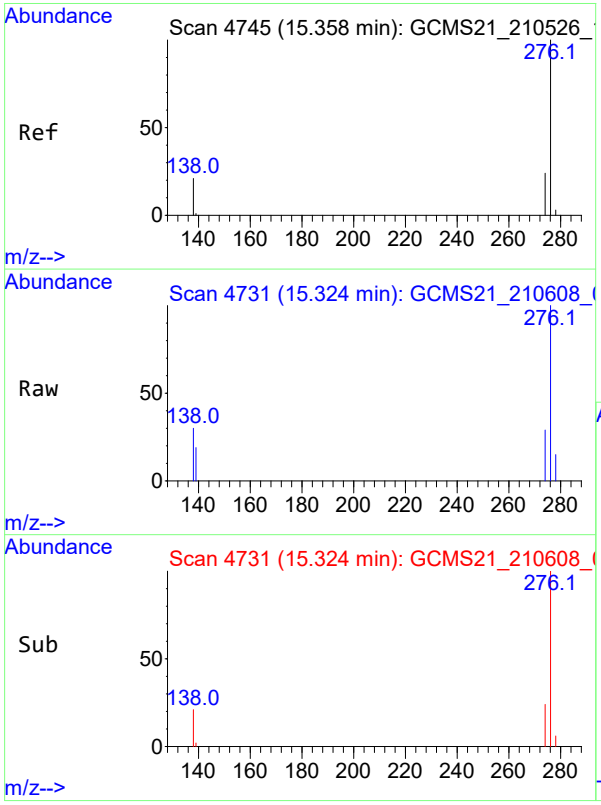


#28
Perylene
Concen: 2.21 ng/mL
RT: 13.491 min Scan# 4055
Delta R.T. 0.015 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:252 Resp: 2522

Ion	Ratio	Lower	Upper
252	100		
250	32.8	1.2	61.2
125	67.0	0.0	46.7#

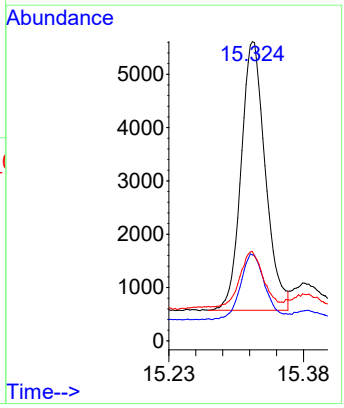


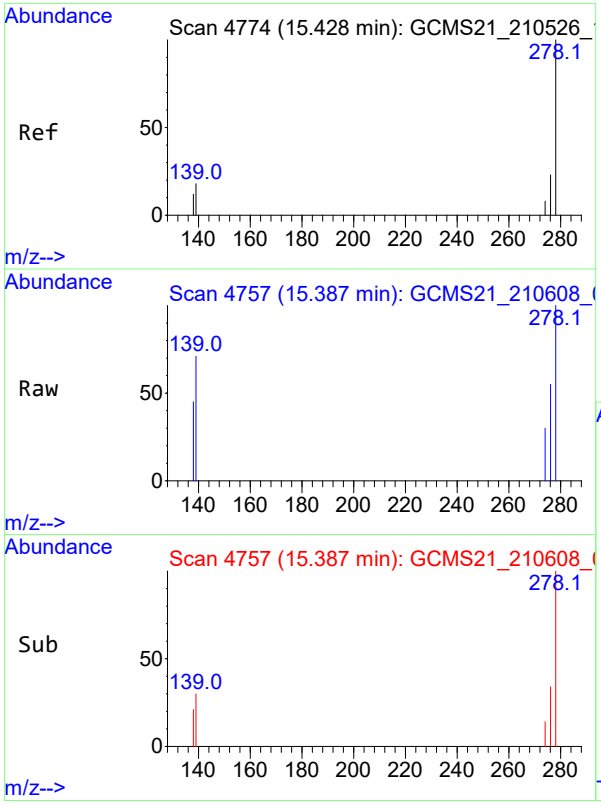


#29
Indeno(1,2,3-cd)pyrene
Concen: 11.25 ng/mL
RT: 15.324 min Scan# 4731
Delta R.T. 0.024 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:276 Resp: 9772

Ion	Ratio	Lower	Upper
276	100		
274	24.9	0.0	53.4
138	19.8	0.0	51.2

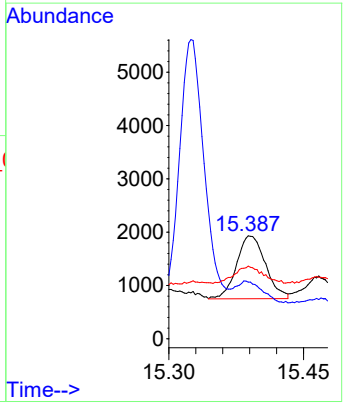


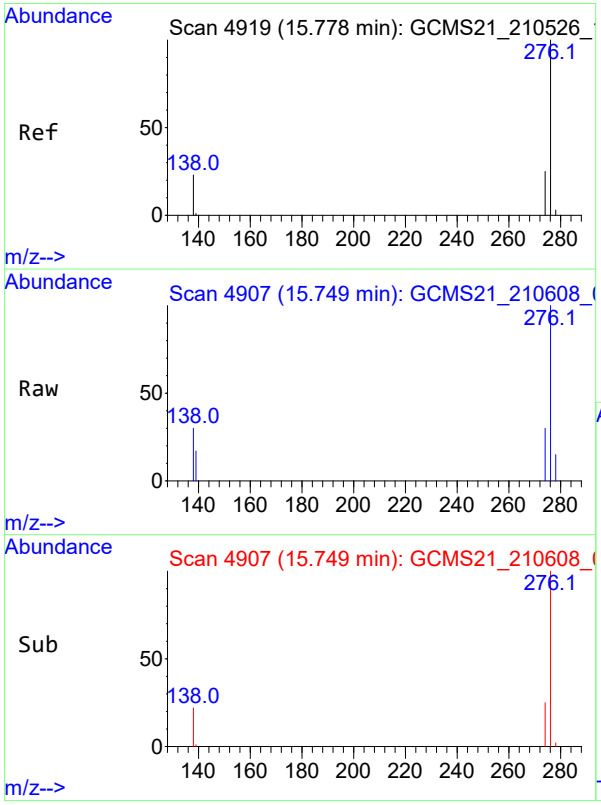


#30
Dibenz(a,h)anthracene
Concen: 2.99 ng/mL
RT: 15.387 min Scan# 4757
Delta R.T. 0.014 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:278 Resp: 2591

Ion	Ratio	Lower	Upper
278	100		
276	38.6	0.0	58.4
139	26.5	0.0	47.7

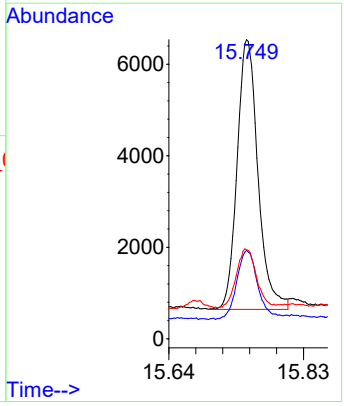




#31
Benzo(g,h,i)perylene
Concen: 10.56 ng/mL
RT: 15.749 min Scan# 4907
Delta R.T. 0.024 min
Lab File: GCMS21_210608_08.D
Acq: 08 Jun 2021 11:38

Tgt Ion:276 Resp: 11917

Ion	Ratio	Lower	Upper
276	100		
274	26.0	0.0	54.3
138	21.1	0.0	53.0



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_19.D
Acq On : 08 Jun 2021 16:12
Operator : MN GCMS21
Sample : 2105001-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Due to sample matrix, Retention time of several analytes had shifted from expected retention time window. The manual integration was performed on this report, per GEN029 code I,and D
MN 07.20.21

Quant Time: Jul 01 10:52:03 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

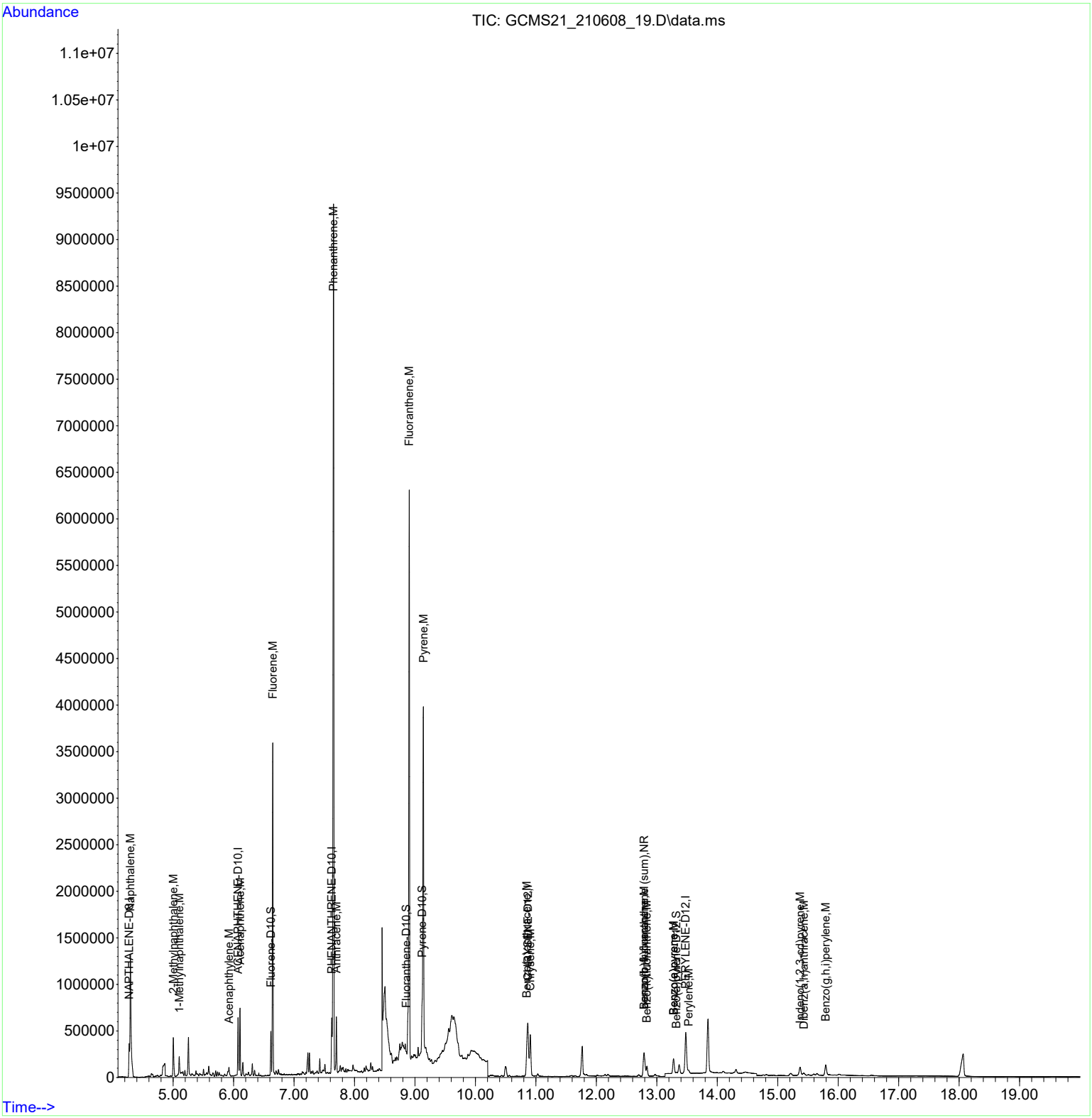
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.274	136	387571	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.073	164	241302	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.623	188	504050	500.00	ng/mL	0.00
16) CHRYSENE-D12	10.868	240	543372	500.00	ng/mL	0.03
21) PERYLENE-D12	13.479	264	538770m	500.00	ng/mL	0.05
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.617	176	185377	320.88	ng/mL	0.00
14) Fluoranthene-D10	8.855	212	4739	4.34	ng/mL	-0.01
17) Pyrene-D10	9.118	212	372932	300.81	ng/mL	0.01
26) Benzo(a)pyrene-D12	13.324	264	20067	22.92	ng/mL	0.05
Target Compounds						Qvalue
2) Naphthalene	4.294	128	1311168	1763.17	ng/mL	99
4) 2-Methylnaphthalene	5.002	142	184961	337.72	ng/mL	97
5) 1-Methylnaphthalene	5.101	142	102127	223.88	ng/mL	88
7) Acenaphthylene	5.922	152	46129	57.60	ng/mL	84
8) Acenaphthene	6.106	153	214223	349.44	ng/mL	97
10) Fluorene	6.648	166	1429448	2106.57	ng/mL	100
12) Phenanthrene	7.653	178	6589772	5416.97	ng/mL	95
13) Anthracene	7.700	178	392544	388.06	ng/mL	93
15) Fluoranthene	8.905	202	4015886	3127.88	ng/mL	98
18) Pyrene	9.139	202	2531184	1747.84	ng/mL	91
19) Benzo(a)anthracene	10.850	228	311075m	284.62	ng/mL	
20) Chrysene	10.907	228	562144	416.61	ng/mL	96
22) Benzo(b)fluoranthene	12.789	252	416284m	372.23	ng/mL	
23) Benzo(k)fluoranthene	12.836	252	135569m	109.38	ng/mL	
24) benzo(b+k)fluoranthene...	12.789	252	549765m	452.42	ng/mL	
25) Benzo(e)pyrene	13.277	252	187549m	166.27	ng/mL	
27) Benzo(a)pyrene	13.277	252	190218	186.37	ng/mL	88
28) Perylene	13.526	252	33176m	28.94	ng/mL	
29) Indeno(1,2,3-cd)pyrene	15.370	276	119817	137.19	ng/mL	97
30) Dibenz(a,h)anthracene	15.433	278	26507m	30.45	ng/mL	
31) Benzo(g,h,i)perylene	15.792	276	147715	130.17	ng/mL	99

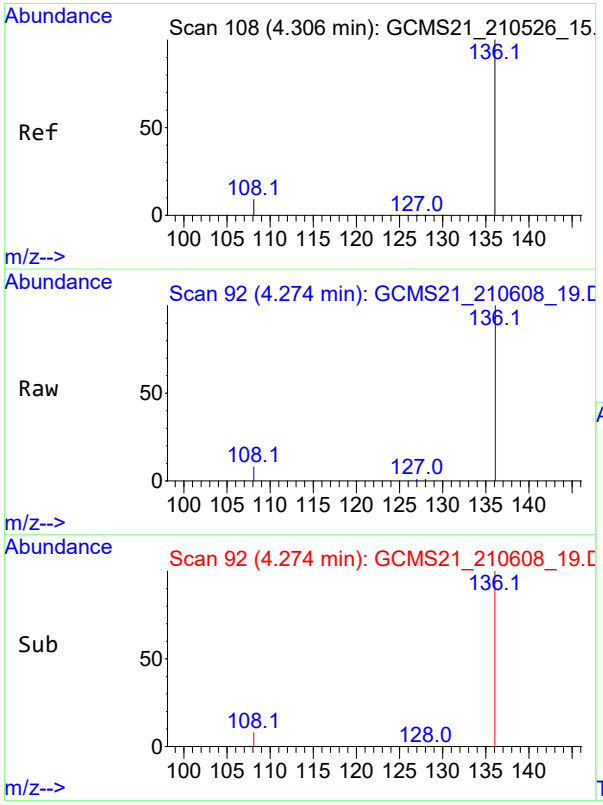
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_19.D
Acq On : 08 Jun 2021 16:12
Operator : MN GCMS21
Sample : 2105001-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 10:52:03 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

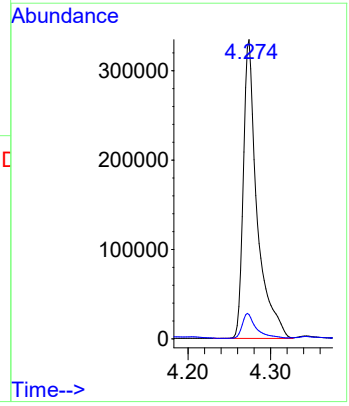


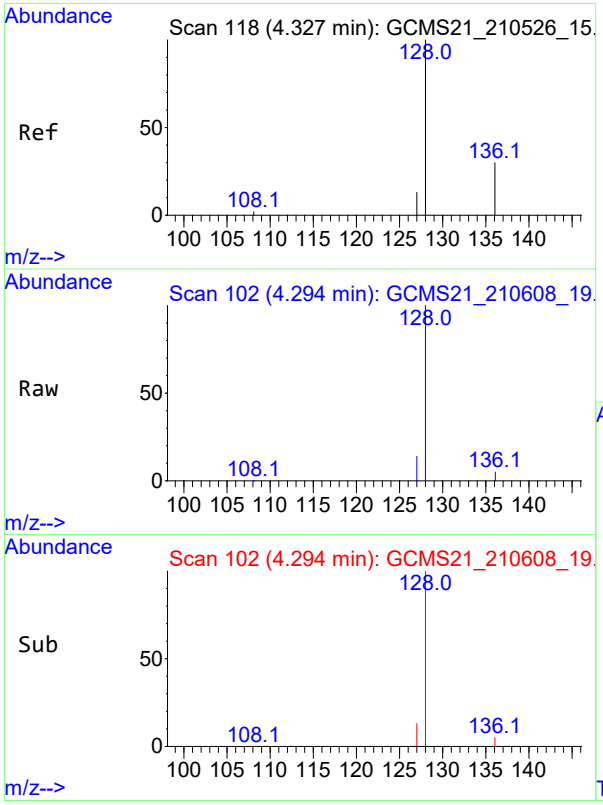


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.274 min Scan# 92
Delta R.T. -0.002 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:136 Resp: 387571

Ion	Ratio	Lower	Upper
136	100		
108	8.4	0.0	28.3

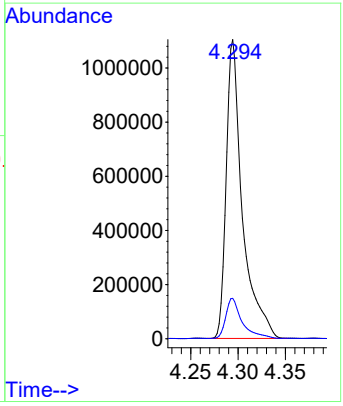


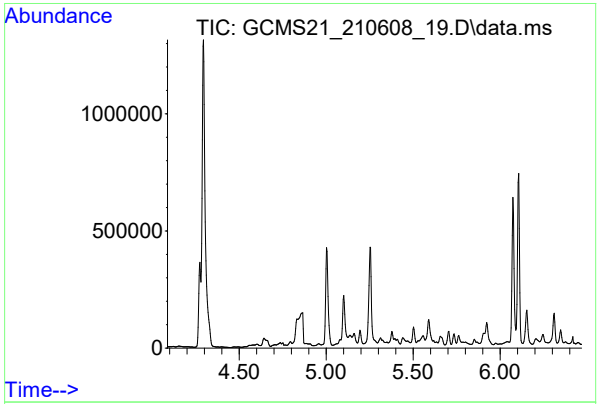


#2
Naphthalene
Concen: 1763.17 ng/mL
RT: 4.294 min Scan# 102
Delta R.T. -0.002 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:128 Resp: 1311168

Ion	Ratio	Lower	Upper
128	100		
127	13.6	0.0	43.3



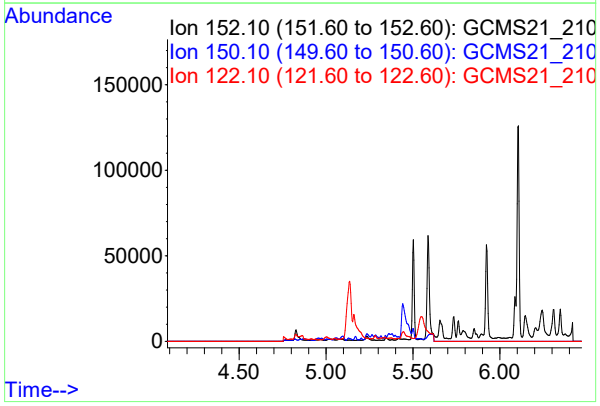


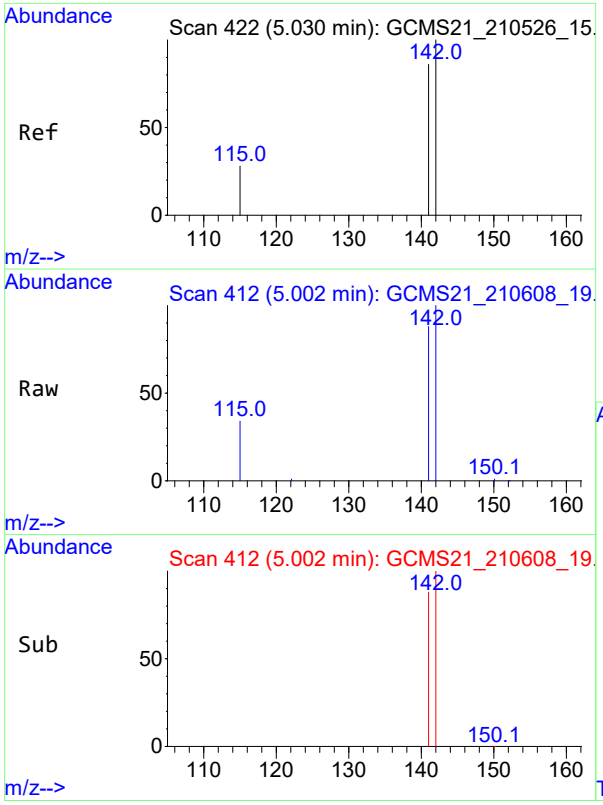
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.97 min

Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5

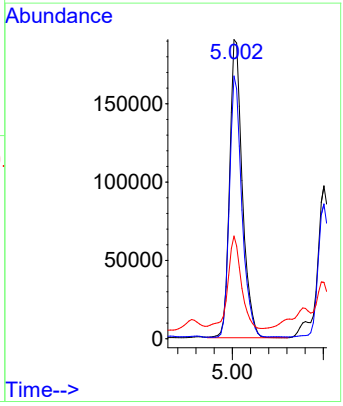


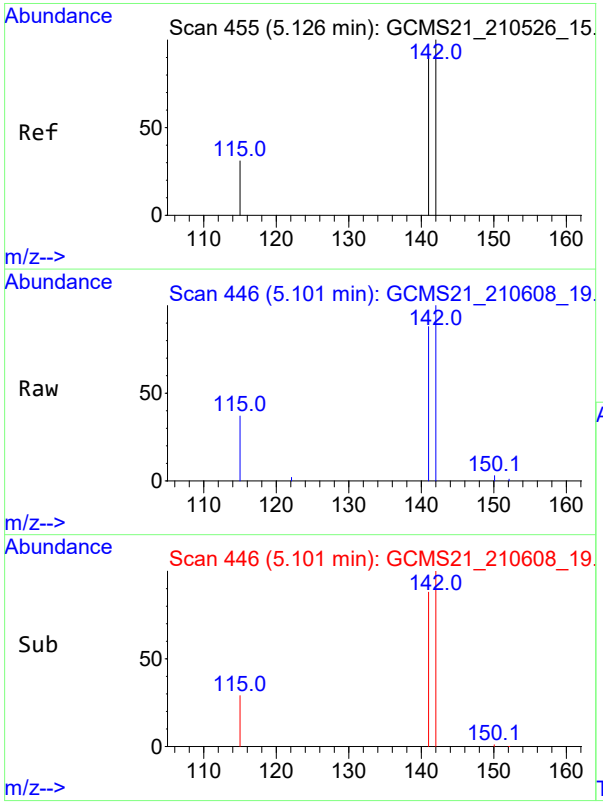


#4
2-Methylnaphthalene
Concen: 337.72 ng/mL
RT: 5.002 min Scan# 412
Delta R.T. 0.000 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:142 Resp: 184961

Ion	Ratio	Lower	Upper
142	100		
141	85.8	56.3	116.3
115	32.2	0.0	57.4

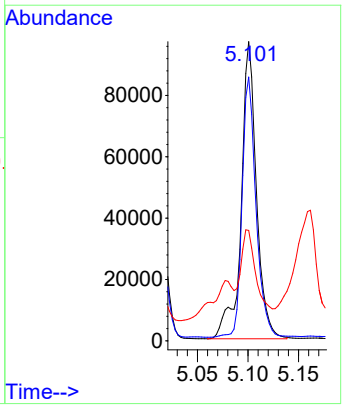


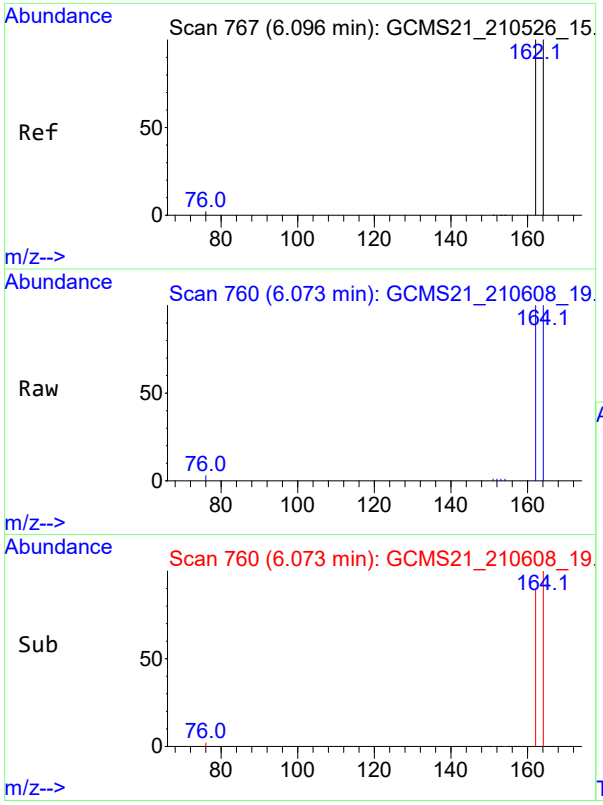


#5
1-Methylnaphthalene
Concen: 223.88 ng/mL
RT: 5.101 min Scan# 446
Delta R.T. 0.003 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:142 Resp: 102127

Ion	Ratio	Lower	Upper
142	100		
141	79.3	61.5	121.5
115	24.5	0.2	60.2

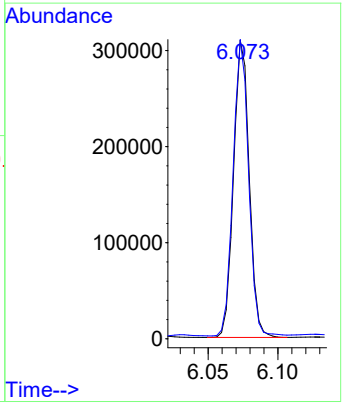


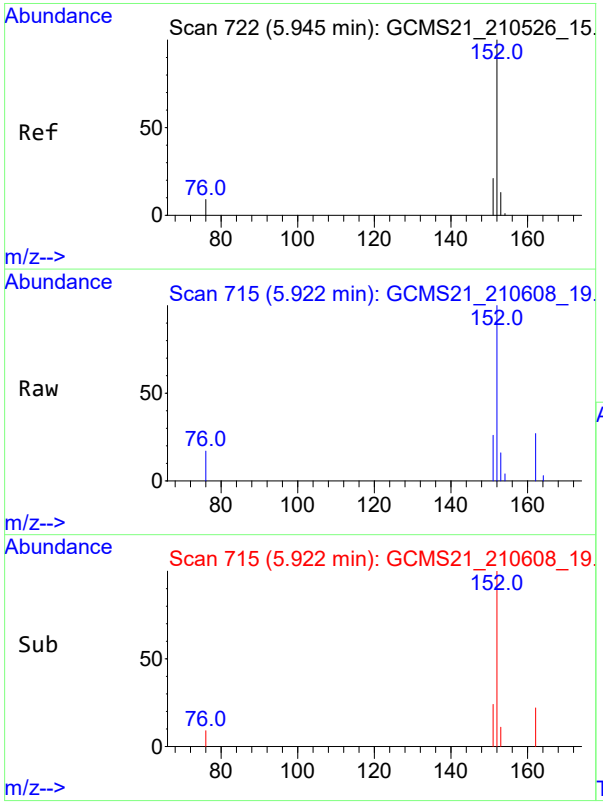


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.073 min Scan# 760
Delta R.T. 0.004 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:164 Resp: 241302

Ion	Ratio	Lower	Upper
164	100		
162	98.5	77.7	117.7

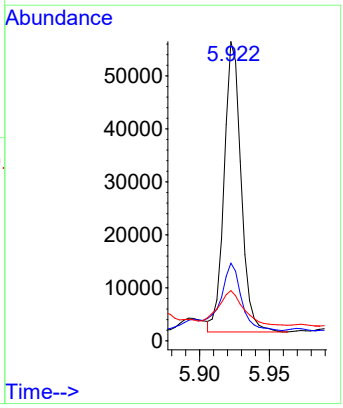


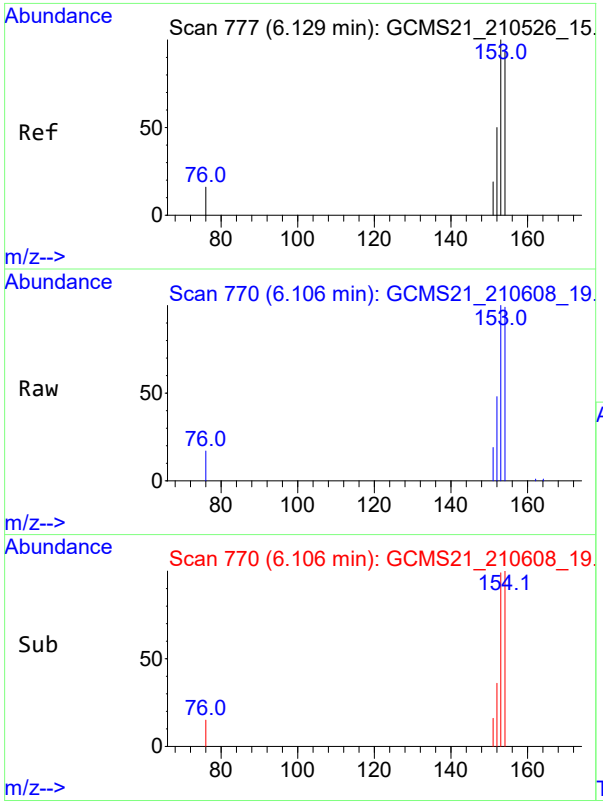


#7
Acenaphthylene
Concen: 57.60 ng/mL
RT: 5.922 min Scan# 715
Delta R.T. 0.007 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:152 Resp: 46129

Ion	Ratio	Lower	Upper
152	100		
151	28.2	0.0	52.0
76	17.9	0.0	39.5

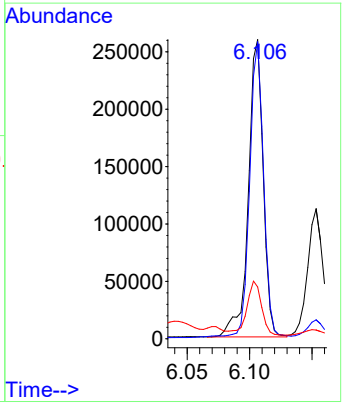


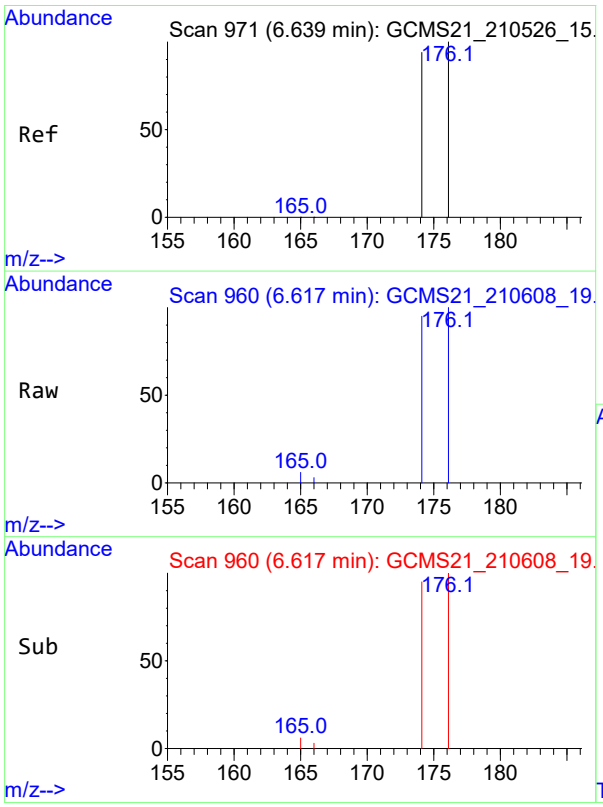


#8
Acenaphthene
Concen: 349.44 ng/mL
RT: 6.106 min Scan# 770
Delta R.T. 0.007 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:153 Resp: 214223

Ion	Ratio	Lower	Upper
153	100		
154	93.8	60.4	120.4
76	18.0	0.0	47.4

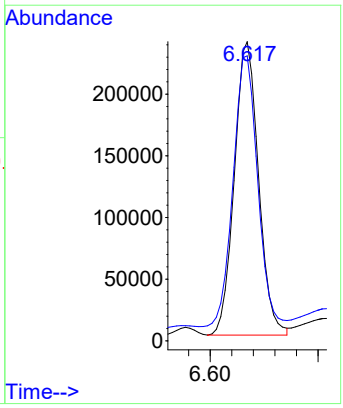


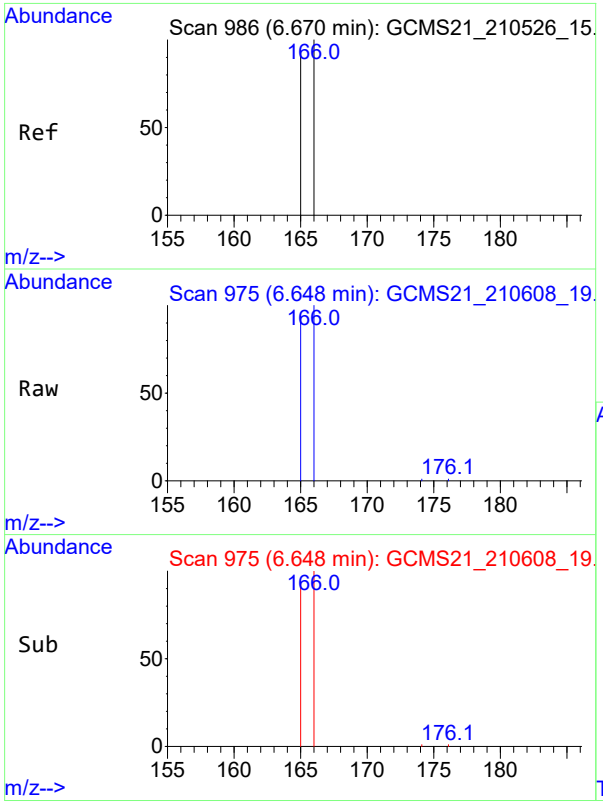


#9
Fluorene-D10
Concen: 320.88 ng/mL
RT: 6.617 min Scan# 960
Delta R.T. 0.006 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:176 Resp: 185377

Ion	Ratio	Lower	Upper
176	100		
174	95.5	63.9	123.9

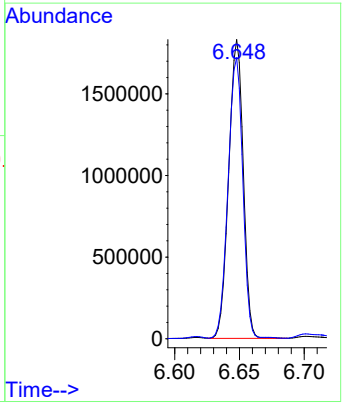


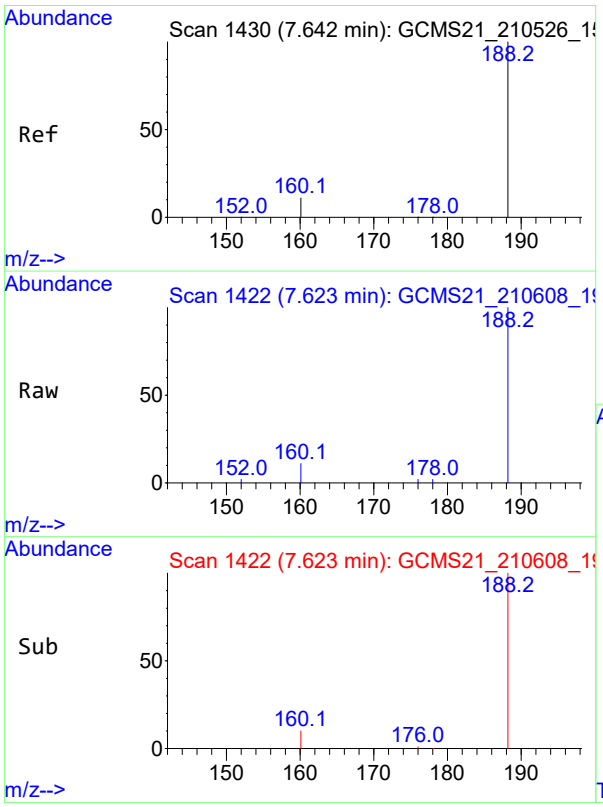


#10
Fluorene
Concen: 2106.57 ng/mL
RT: 6.648 min Scan# 975
Delta R.T. 0.006 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:166 Resp: 1429448

Ion	Ratio	Lower	Upper
166	100		
165	94.7	65.1	125.1

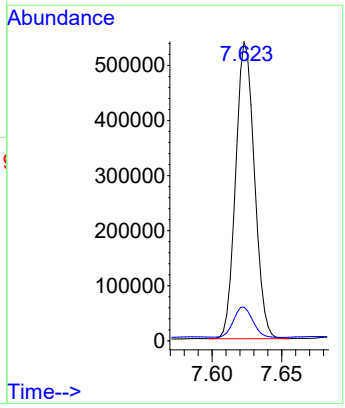


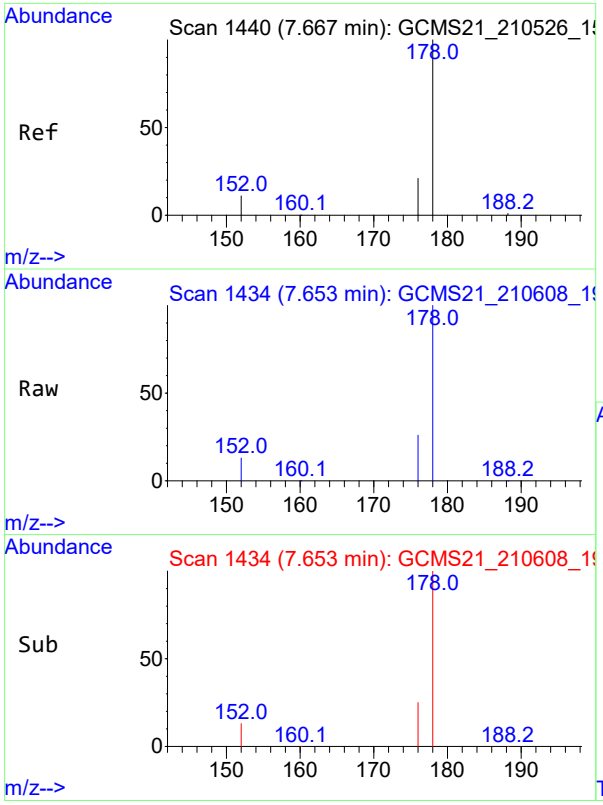


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.623 min Scan# 1422
Delta R.T. 0.008 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:188 Resp: 504050

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	39.8

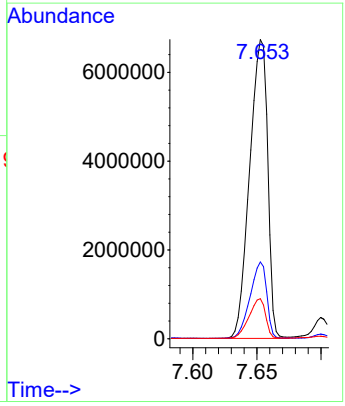


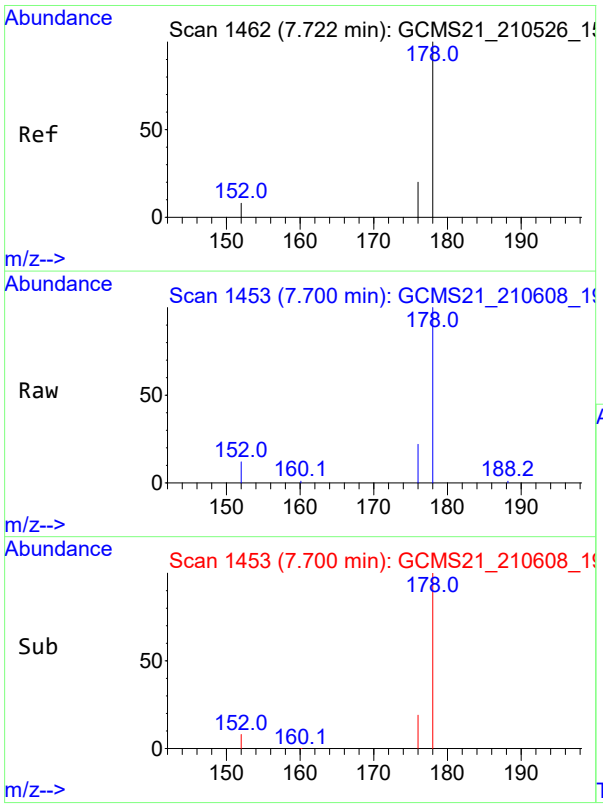


#12
Phenanthrene
Concen: 5416.97 ng/mL
RT: 7.653 min Scan# 1434
Delta R.T. 0.015 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:178 Resp: 6589772

Ion	Ratio	Lower	Upper
178	100		
176	23.4	0.0	51.1
152	12.2	0.0	40.6

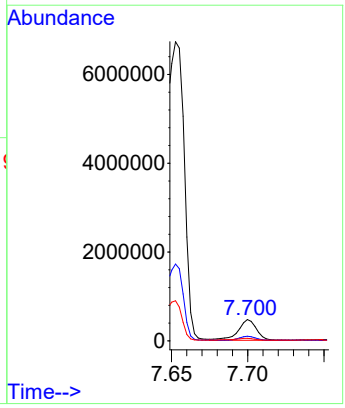


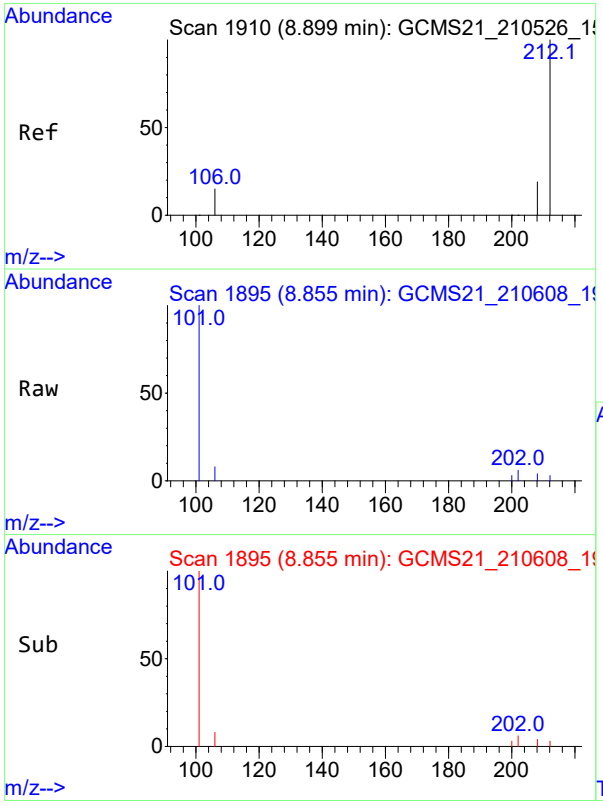


#13
Anthracene
Concen: 388.06 ng/mL
RT: 7.700 min Scan# 1453
Delta R.T. 0.008 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:178 Resp: 392544

Ion	Ratio	Lower	Upper
178	100		
176	18.0	0.0	50.4
152	12.0	0.0	38.3

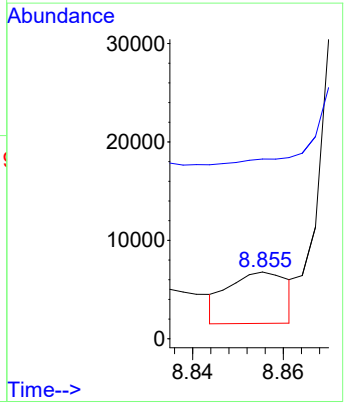


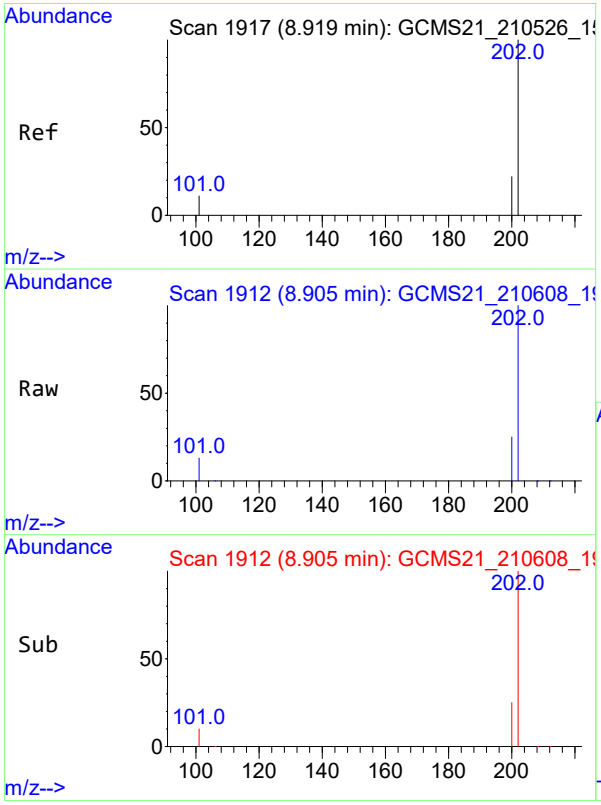


#14
Fluoranthene-D10
Concen: 4.34 ng/mL
RT: 8.855 min Scan# 1895
Delta R.T. -0.011 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:212 Resp: 4739

Ion	Ratio	Lower	Upper
212	100		
106	0.0	0.0	45.3

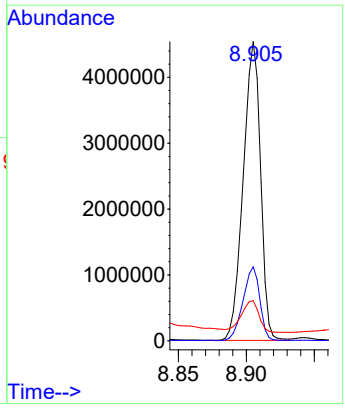


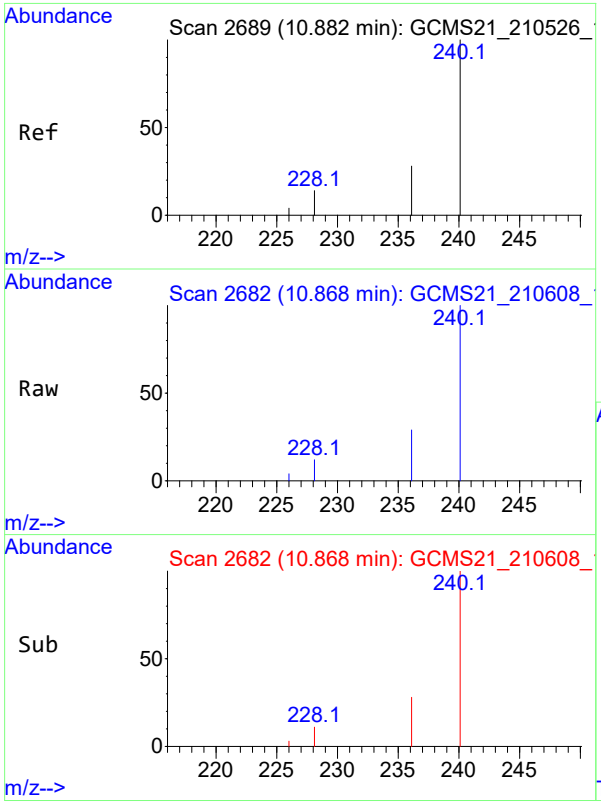


#15
Fluoranthene
Concen: 3127.88 ng/mL
RT: 8.905 min Scan# 1912
Delta R.T. 0.018 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:202 Resp: 4015886

Ion	Ratio	Lower	Upper
202	100		
200	23.9	0.0	53.2
101	10.9	0.0	41.8

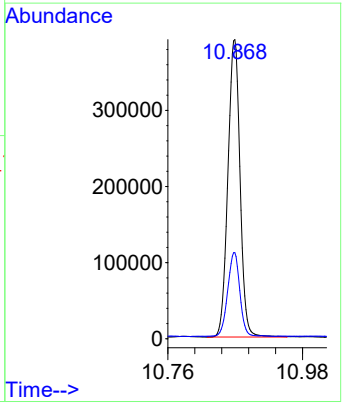


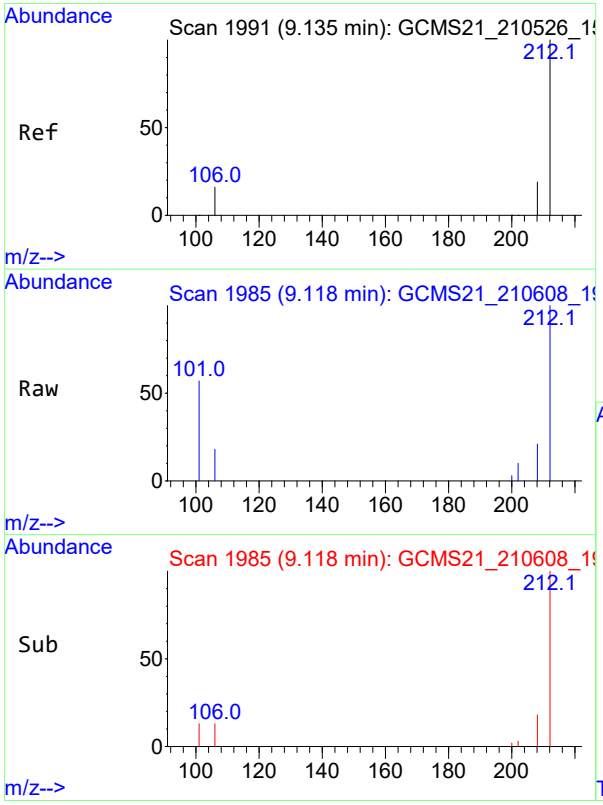


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.031 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:240 Resp: 543372

Ion	Ratio	Lower	Upper
240	100		
236	28.0	0.0	58.6

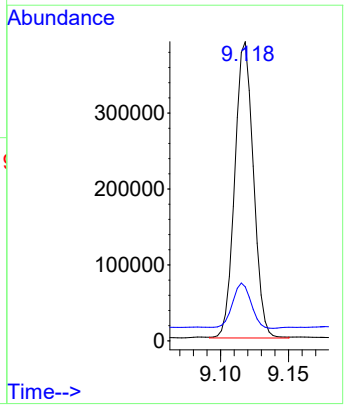


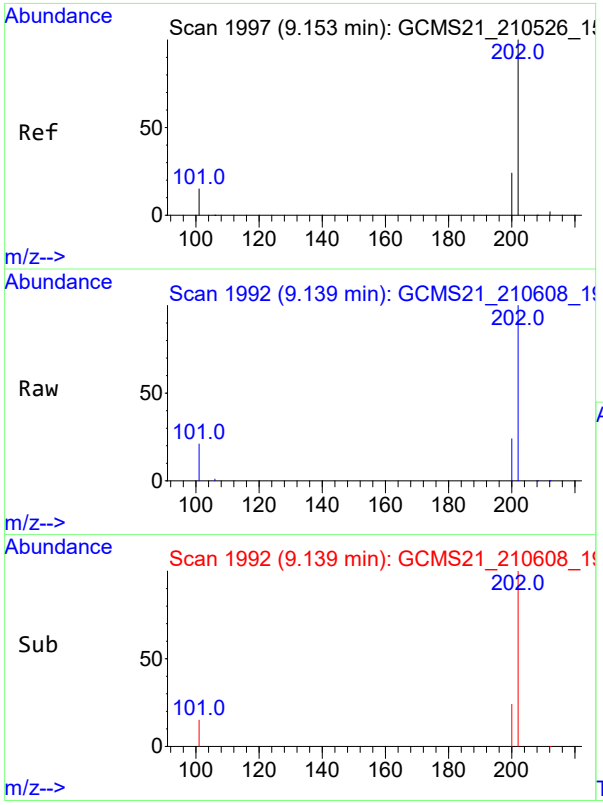


#17
Pyrene-D10
Concen: 300.81 ng/mL
RT: 9.118 min Scan# 1985
Delta R.T. 0.015 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:212 Resp: 372932

Ion	Ratio	Lower	Upper
212	100		
106	15.3	0.0	45.8

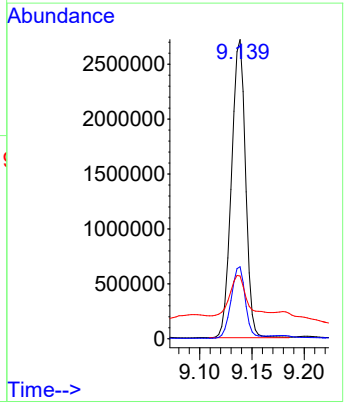


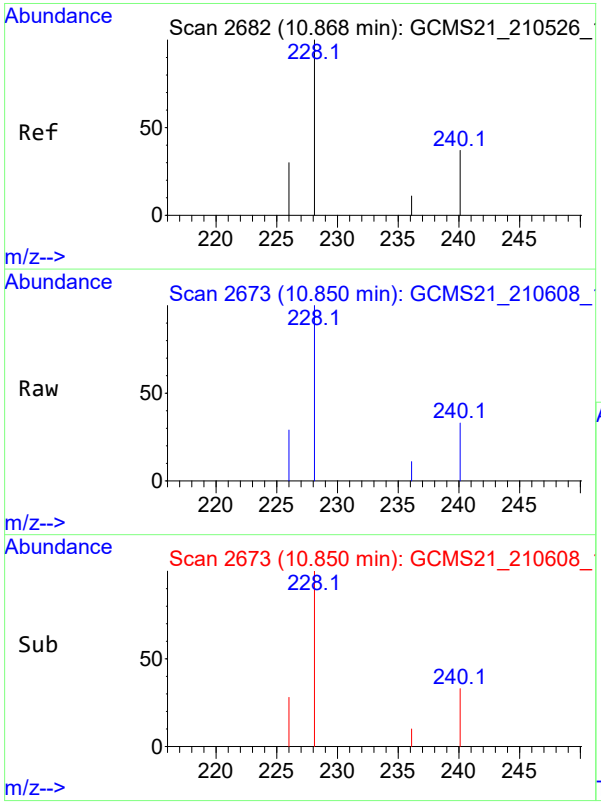


#18
Pyrene
Concen: 1747.84 ng/mL
RT: 9.139 min Scan# 1992
Delta R.T. 0.018 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:202 Resp: 2531184

Ion	Ratio	Lower	Upper
202	100		
200	24.3	0.0	54.2
101	24.7	0.0	44.6

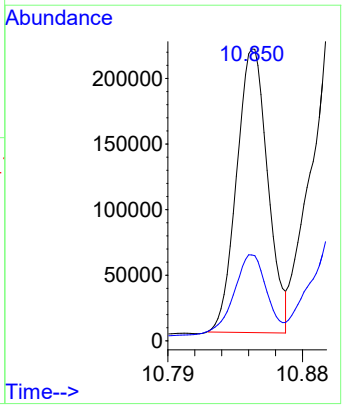


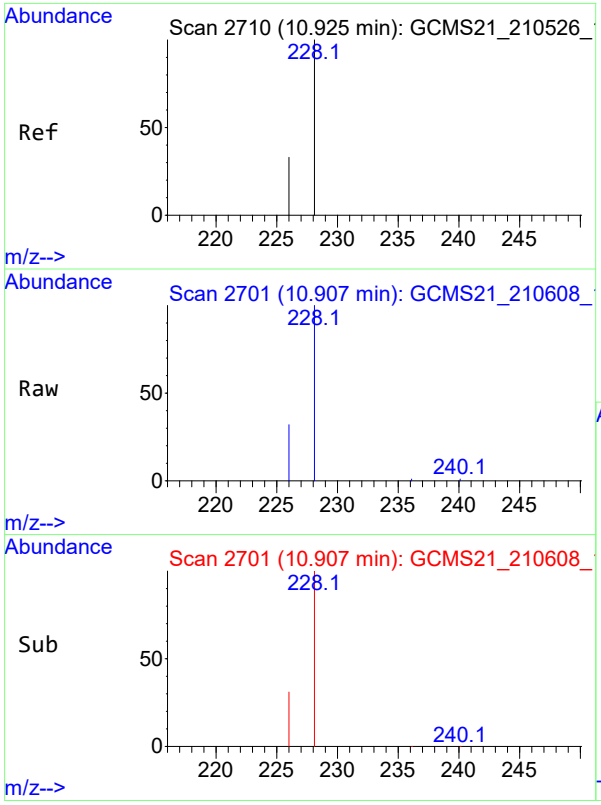


#19
Benzo(a)anthracene
Concen: 284.62 ng/mL m
RT: 10.850 min Scan# 2673
Delta R.T. 0.029 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:228 Resp: 311075

Ion	Ratio	Lower	Upper
228	100		
226	33.2	0.0	59.9

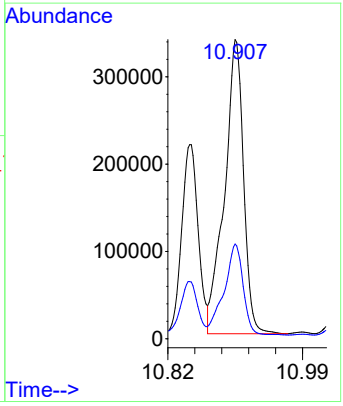


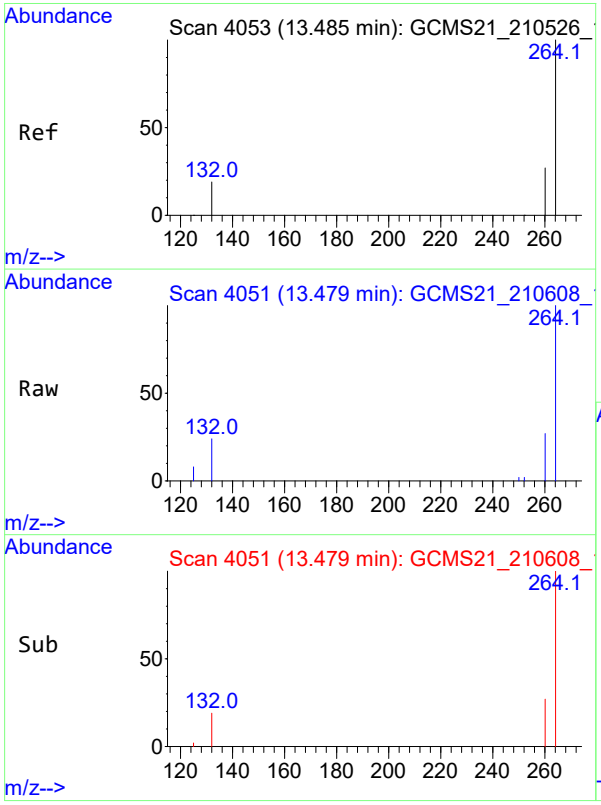


#20
Chrysene
Concen: 416.61 ng/mL
RT: 10.907 min Scan# 2701
Delta R.T. 0.029 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:228 Resp: 562144

Ion	Ratio	Lower	Upper
228	100		
226	30.7	2.8	62.8

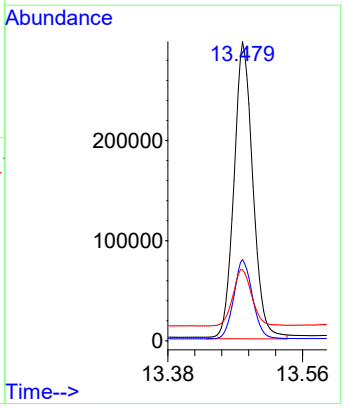


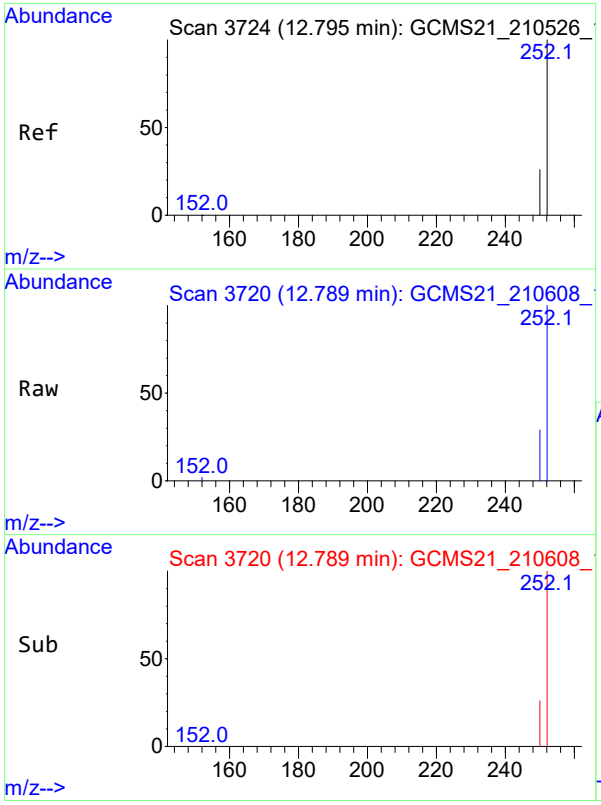


#21
PERYLENE-D12
Concen: 500.00 ng/mL m
RT: 13.479 min Scan# 4051
Delta R.T. 0.050 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:264 Resp: 538770

Ion	Ratio	Lower	Upper
264	100		
260	27.5	0.0	57.5
132	19.7	0.0	49.5

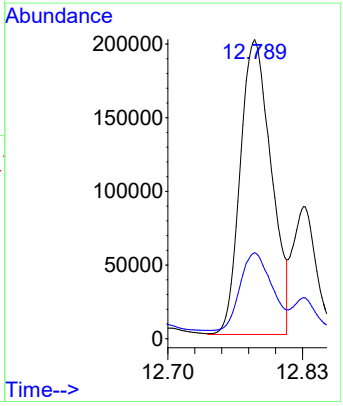


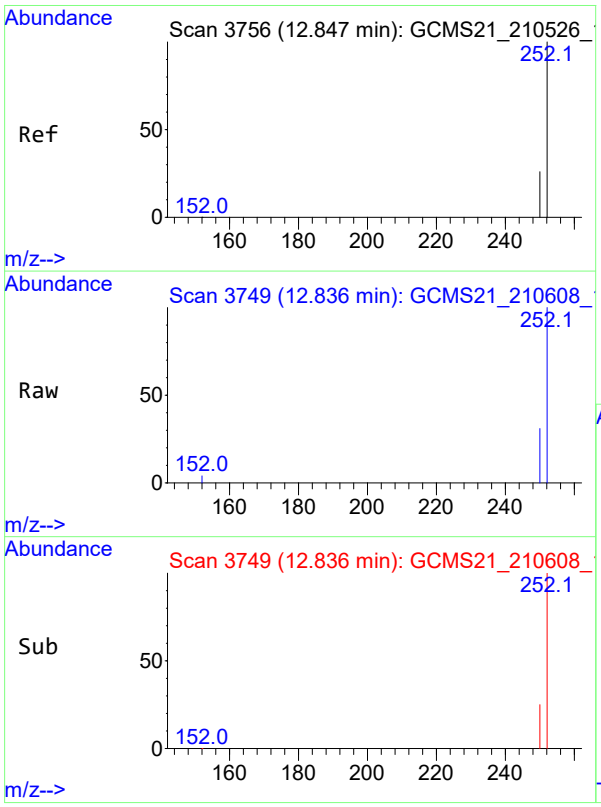


#22
Benzo(b)fluoranthene
Concen: 372.23 ng/mL m
RT: 12.789 min Scan# 3720
Delta R.T. 0.047 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 416284

Ion	Ratio	Lower	Upper
252	100		
250	26.5	0.0	56.2

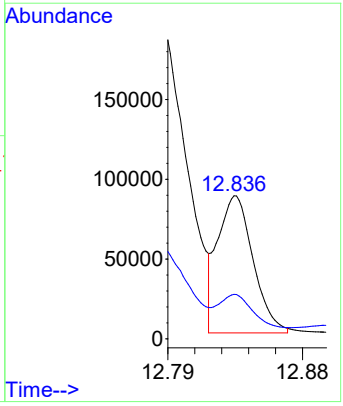


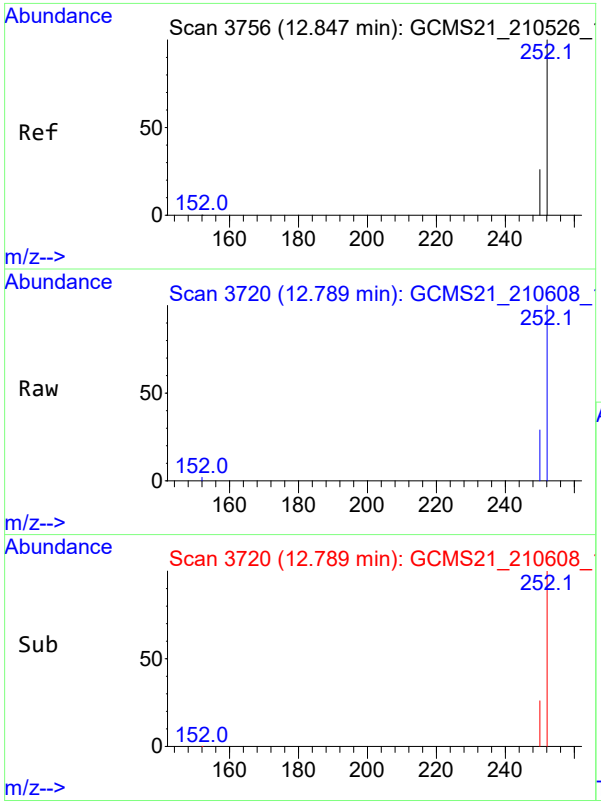


#23
Benzo(k)fluoranthene
Concen: 109.38 ng/mL m
RT: 12.836 min Scan# 3749
Delta R.T. 0.041 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 135569

Ion	Ratio	Lower	Upper
252	100		
250	29.7	0.0	55.6

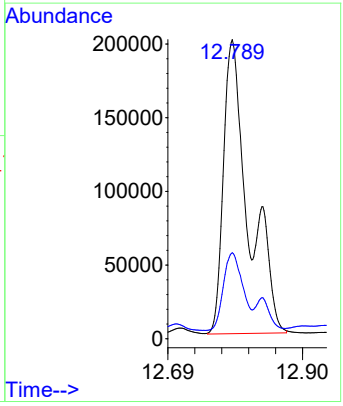


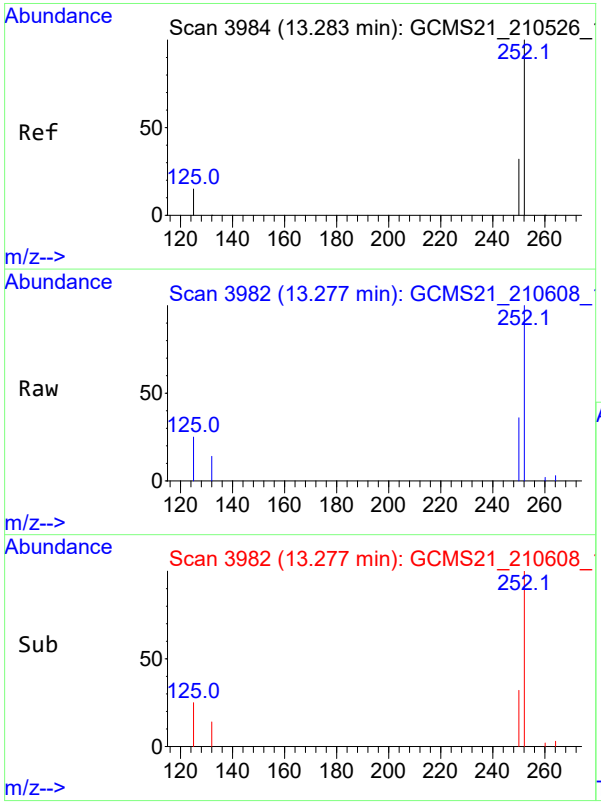


#24
benzo(b+k)fluoranthene (sum)
Concen: 452.42 ng/mL m
RT: 12.789 min Scan# 3720
Delta R.T. -0.007 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 549765

Ion	Ratio	Lower	Upper
252	100		
250	26.7	0.0	55.6

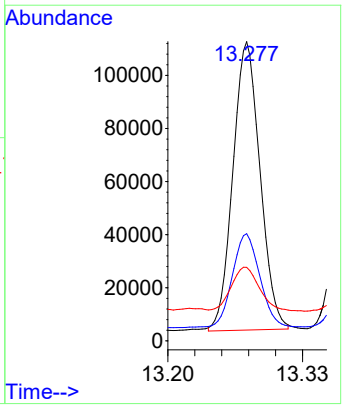


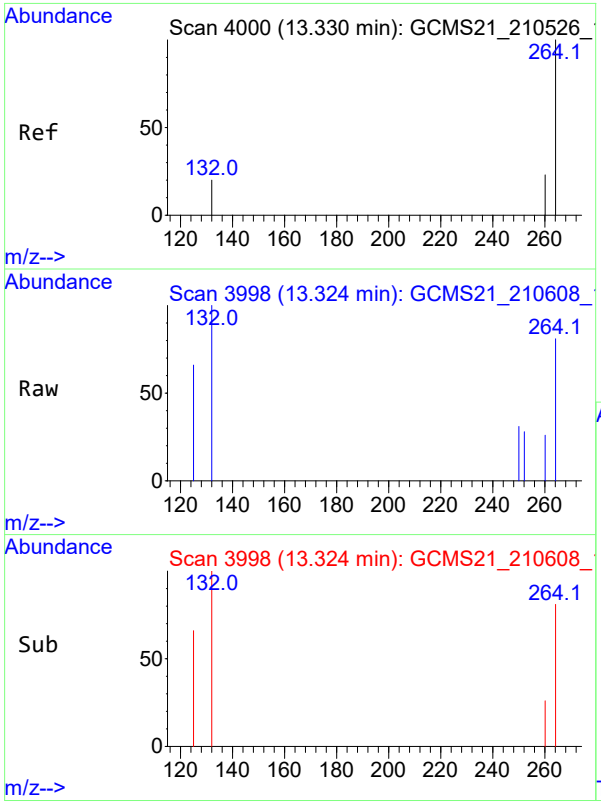


#25
Benzo(e)pyrene
Concen: 166.27 ng/mL m
RT: 13.277 min Scan# 3982
Delta R.T. 0.047 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 187549

Ion	Ratio	Lower	Upper
252	100		
250	35.1	2.3	62.3
125	16.8	0.0	46.1

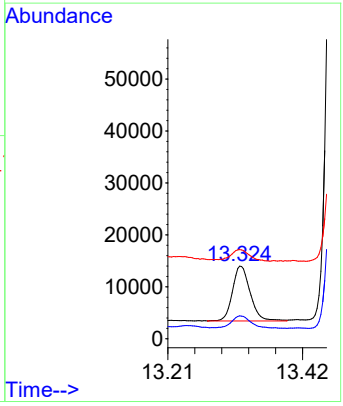


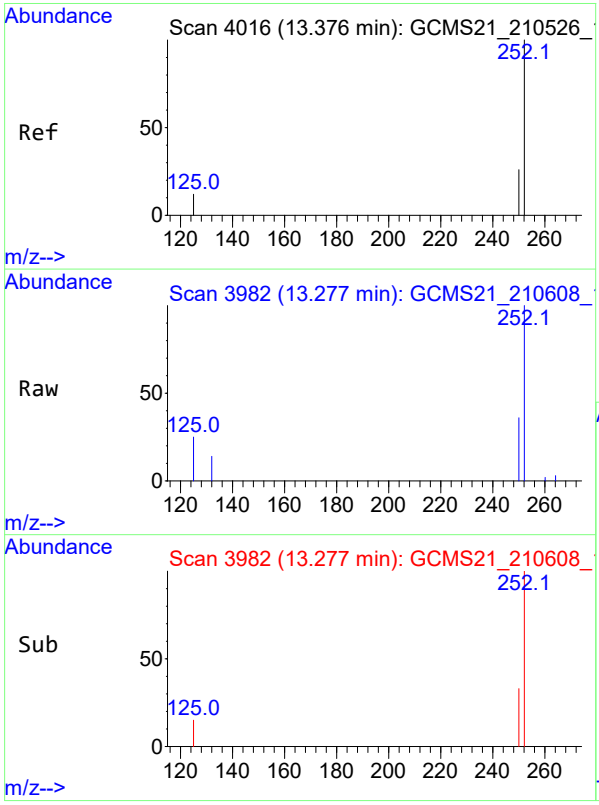


#26
Benzo(a)pyrene-D12
Concen: 22.92 ng/mL
RT: 13.324 min Scan# 3998
Delta R.T. 0.047 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:264 Resp: 20067

Ion	Ratio	Lower	Upper
264	100		
260	39.2	0.0	53.0
132	21.9	0.0	49.8

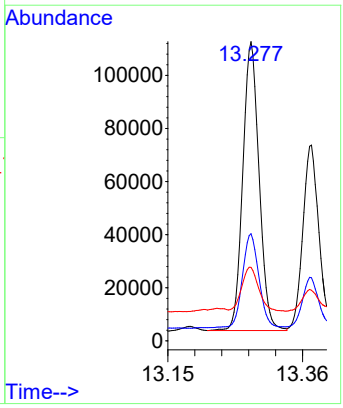


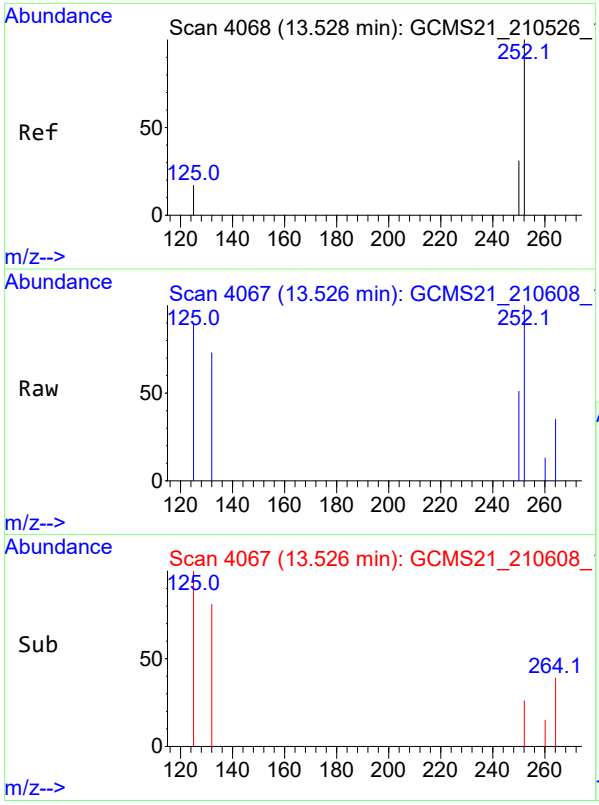


#27
Benzo(a)pyrene
Concen: 186.37 ng/mL
RT: 13.277 min Scan# 3982
Delta R.T. -0.044 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 190218

Ion	Ratio	Lower	Upper
252	100		
250	33.1	0.0	56.6
125	15.7	0.0	42.1

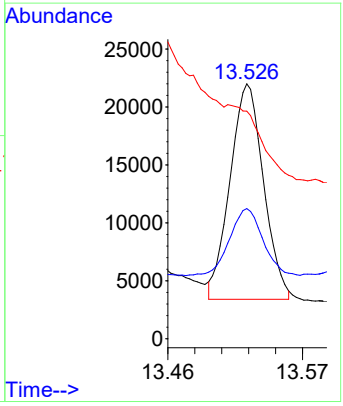


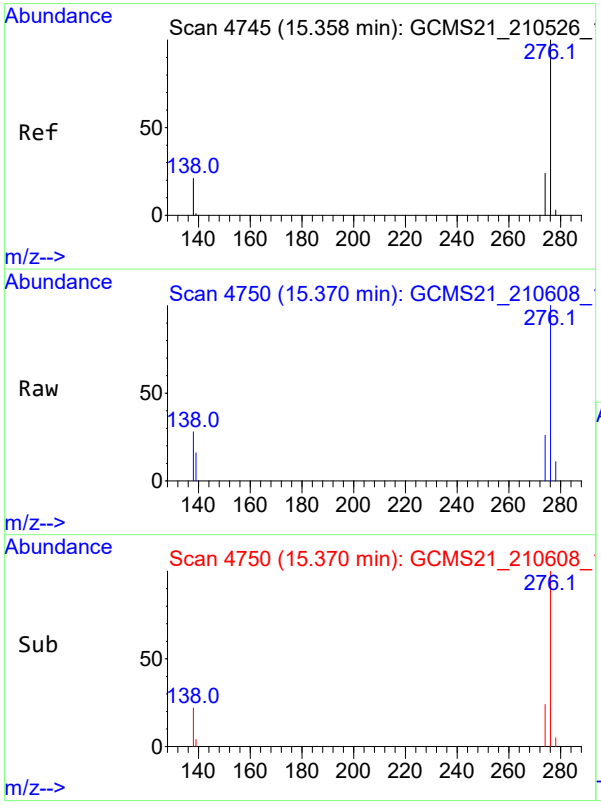


#28
Perylene
Concen: 28.94 ng/mL m
RT: 13.526 min Scan# 4067
Delta R.T. 0.050 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 33176

Ion	Ratio	Lower	Upper
252	100		
250	29.4	1.2	61.2
125	29.2	0.0	46.7

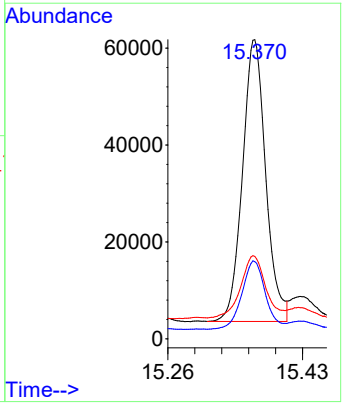


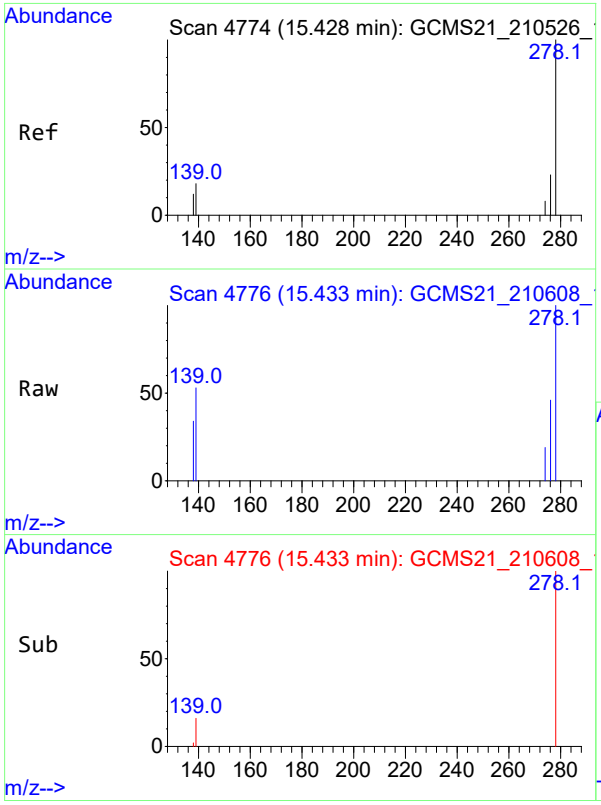


#29
Indeno(1,2,3-cd)pyrene
Concen: 137.19 ng/mL
RT: 15.370 min Scan# 4750
Delta R.T. 0.070 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:276 Resp: 119817

Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	53.4
138	23.6	0.0	51.2

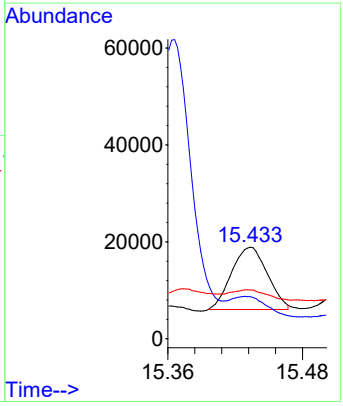


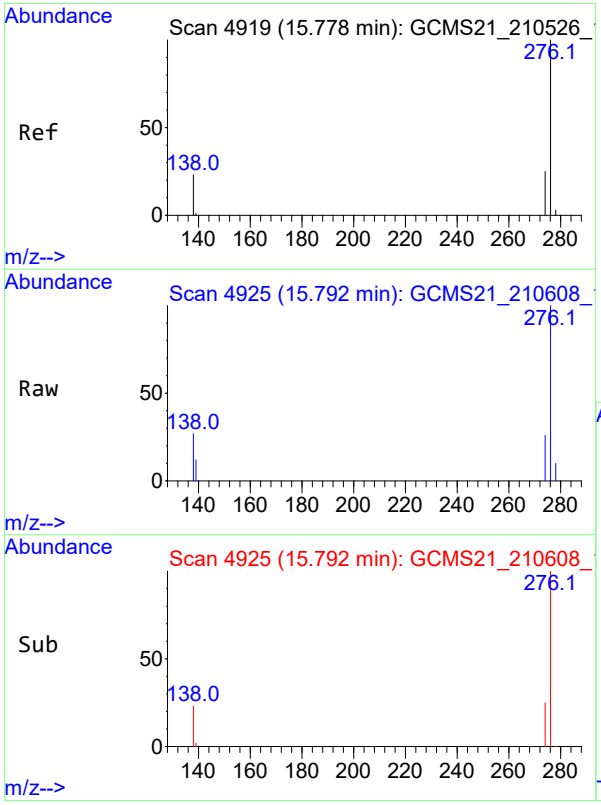


#30
Dibenz(a,h)anthracene
Concen: 30.45 ng/mL m
RT: 15.433 min Scan# 4776
Delta R.T. 0.060 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:278 Resp: 26507

Ion	Ratio	Lower	Upper
278	100		
276	35.1	0.0	58.4
139	26.5	0.0	47.7

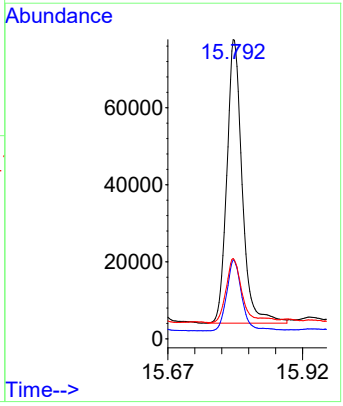




#31
Benzo(g,h,i)perylene
Concen: 130.17 ng/mL
RT: 15.792 min Scan# 4925
Delta R.T. 0.067 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:276 Resp: 147715

Ion	Ratio	Lower	Upper
276	100		
274	24.1	0.0	54.3
138	22.6	0.0	53.0



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_19.D
Acq On : 08 Jun 2021 16:12
Operator : MN GCMS21
Sample : 2105001-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 10:52:03 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

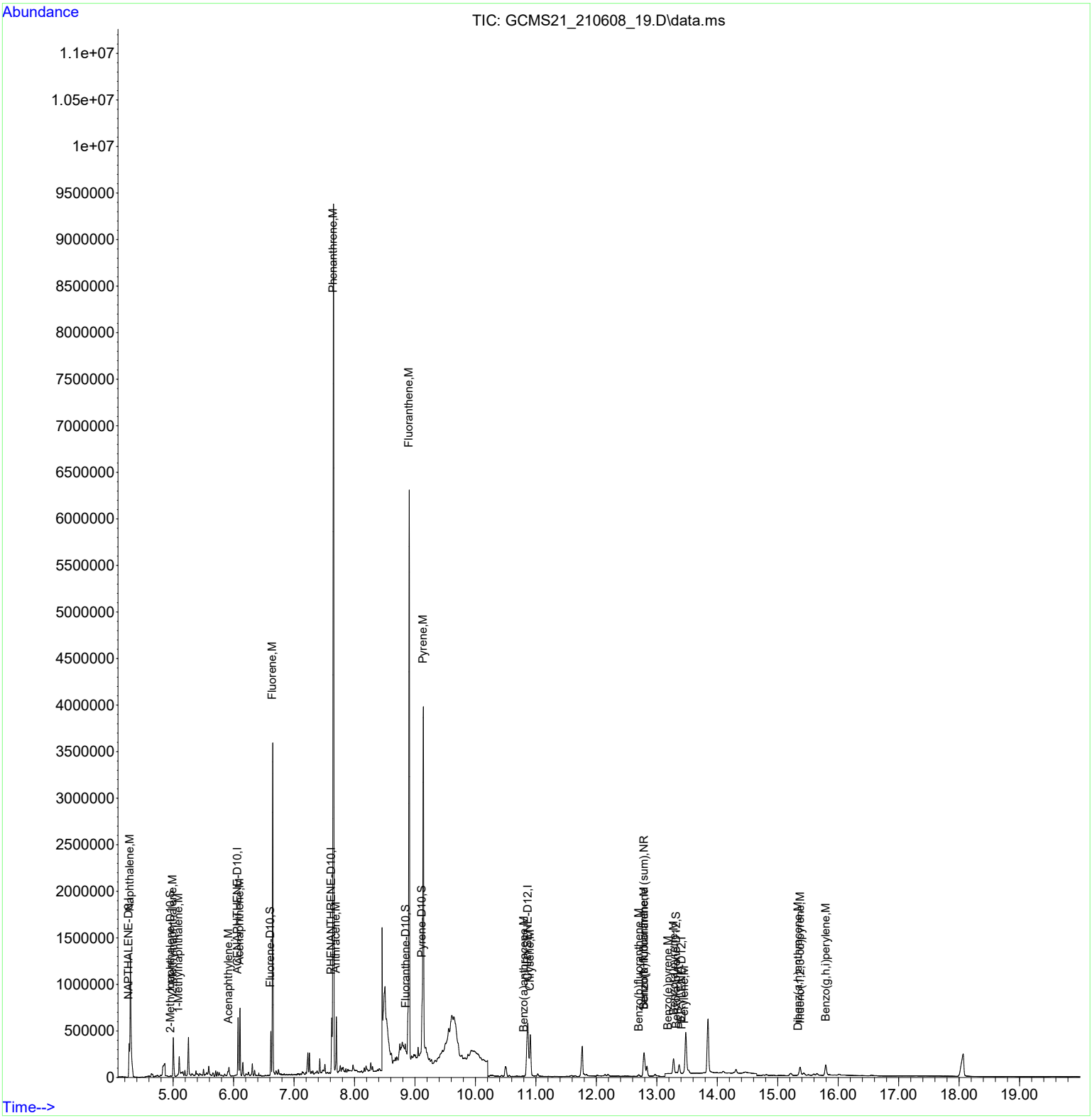
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) NAPTHALENE-D8	4.274	136	387571	500.00 ng/mL	0.00
6) ACENAPHTHENE-D10	6.073	164	241302	500.00 ng/mL	0.00
11) PHENANTHRENE-D10	7.623	188	504050	500.00 ng/mL	0.00
16) CHRYSENE-D12	10.868	240	543372	500.00 ng/mL	0.03
21) PERYLENE-D12	13.414	264	134	500.00 ng/mL	#-0.01
System Monitoring Compounds					
3) 2-Methylnaphthalene-D10	4.967	152	713	1.46 ng/mL	0.00
9) Fluorene-D10	6.617	176	185377	320.88 ng/mL	0.00
14) Fluoranthene-D10	8.855	212	4739	4.34 ng/mL	-0.01
17) Pyrene-D10	9.118	212	372932	300.81 ng/mL	0.01
26) Benzo(a)pyrene-D12	13.324	264	20067	92172.96 ng/mL	0.05
Target Compounds					Qvalue
2) Naphthalene	4.294	128	1311168	1763.17 ng/mL	99
4) 2-Methylnaphthalene	5.002	142	184961	337.72 ng/mL	97
5) 1-Methylnaphthalene	5.101	142	102127	223.88 ng/mL	88
7) Acenaphthylene	5.922	152	46129	57.60 ng/mL	84
8) Acenaphthene	6.106	153	214223	349.44 ng/mL	97
10) Fluorene	6.648	166	1429448	2106.57 ng/mL	100
12) Phenanthrene	7.653	178	6589772	5416.97 ng/mL	95
13) Anthracene	7.700	178	392544	388.06 ng/mL	93
15) Fluoranthene	8.905	202	4015886	3127.88 ng/mL	98
18) Pyrene	9.139	202	2531184	1747.84 ng/mL	91
19) Benzo(a)anthracene	10.805	228	2343	2.14 ng/mL#	45
20) Chrysene	10.907	228	562144	416.61 ng/mL	96
22) Benzo(b)fluoranthene	12.704	252	9142	32866.90 ng/mL#	1
23) Benzo(k)fluoranthene	12.789	252	413916	1342735.10 ng/mL	96
24) benzo(b+k)fluoranthene...	12.789	252	415725	1375516.38 ng/mL	97
25) Benzo(e)pyrene	13.184	252	5356	19091.20 ng/mL	69
27) Benzo(a)pyrene	13.277	252	190218	749327.16 ng/mL	88
28) Perylene	13.455	252	5847	20509.38 ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	15.370	276	119817	551580.25 ng/mL	97
30) Dibenz(a,h)anthracene	15.339	278	5131	23700.15 ng/mL#	59
31) Benzo(g,h,i)perylene	15.792	276	147715	523372.42 ng/mL	99

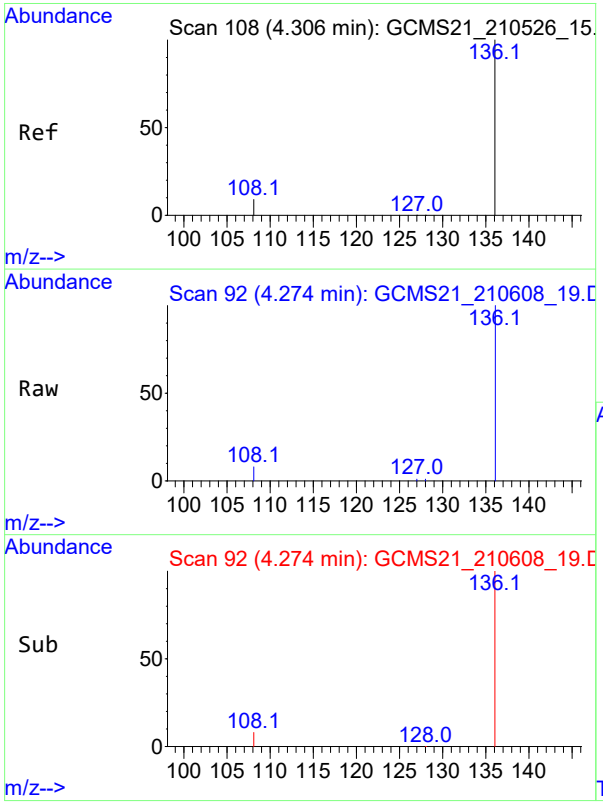
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_19.D
Acq On : 08 Jun 2021 16:12
Operator : MN GCMS21
Sample : 2105001-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 10:52:03 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

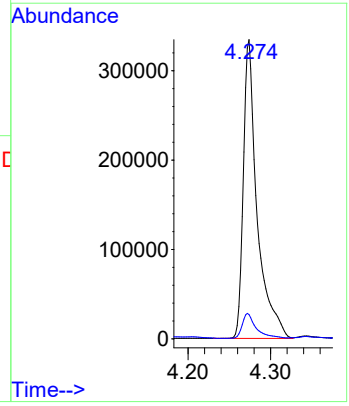


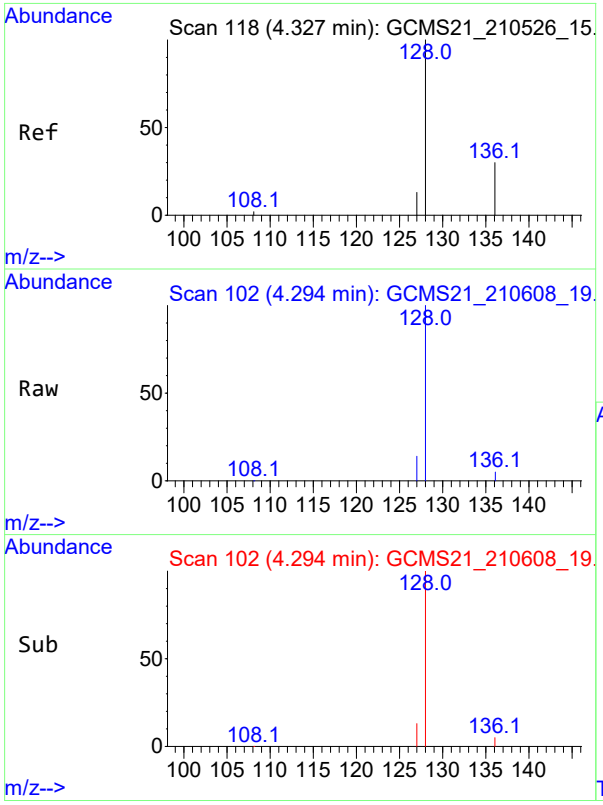


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.274 min Scan# 92
Delta R.T. -0.002 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:136 Resp: 387571

Ion	Ratio	Lower	Upper
136	100		
108	8.4	0.0	28.3

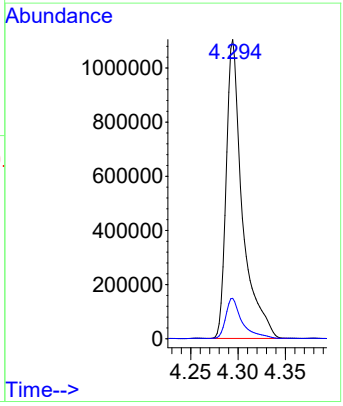


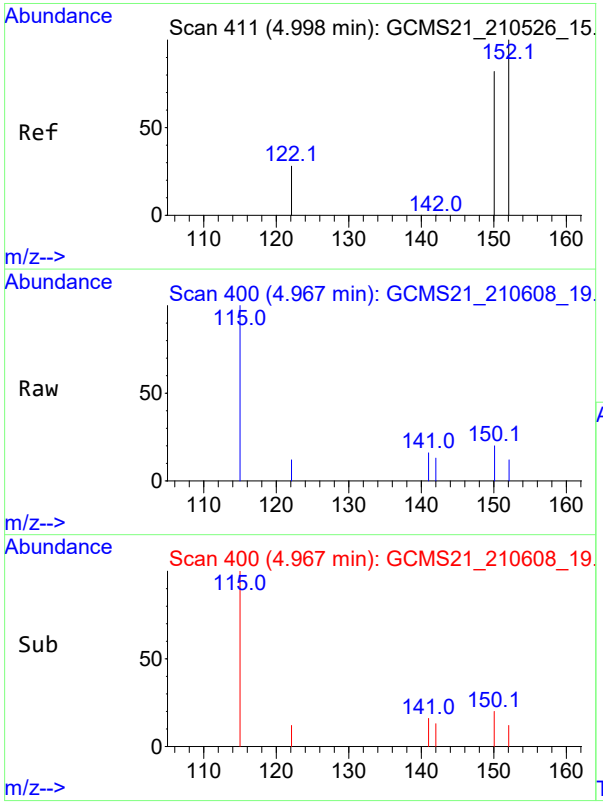


#2
Naphthalene
Concen: 1763.17 ng/mL
RT: 4.294 min Scan# 102
Delta R.T. -0.002 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:128 Resp: 1311168

Ion	Ratio	Lower	Upper
128	100		
127	13.6	0.0	43.3

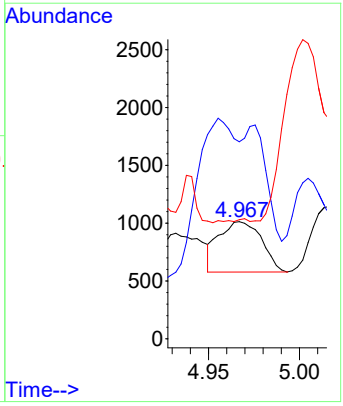


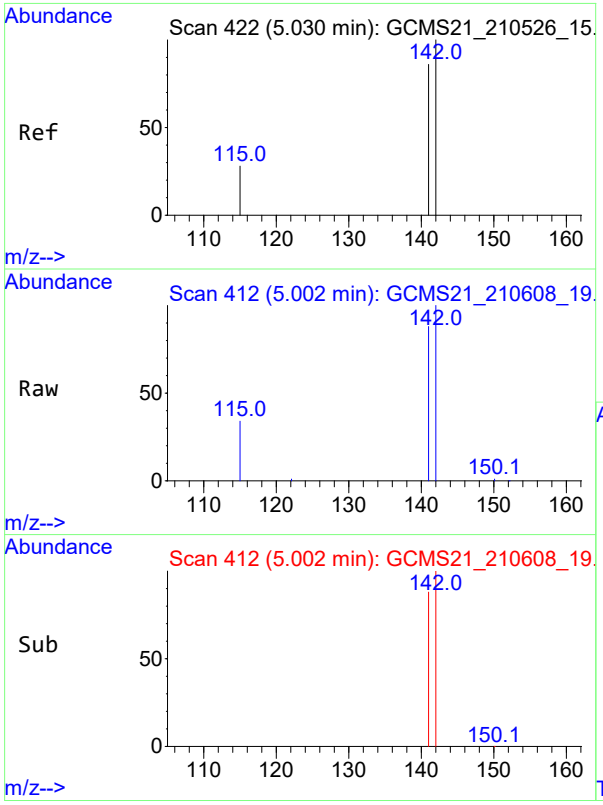


#3
2-Methylnaphthalene-D10
Concen: 1.46 ng/mL
RT: 4.967 min Scan# 400
Delta R.T. -0.003 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:152 Resp: 713

Ion	Ratio	Lower	Upper
152	100		
150	129.2	52.3	112.3#
122	0.0	0.0	57.5

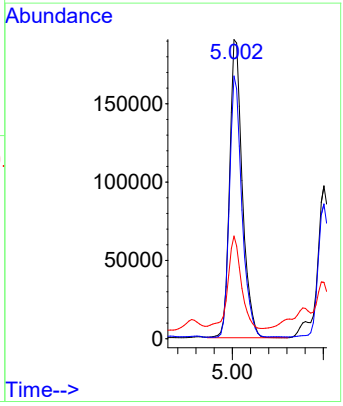


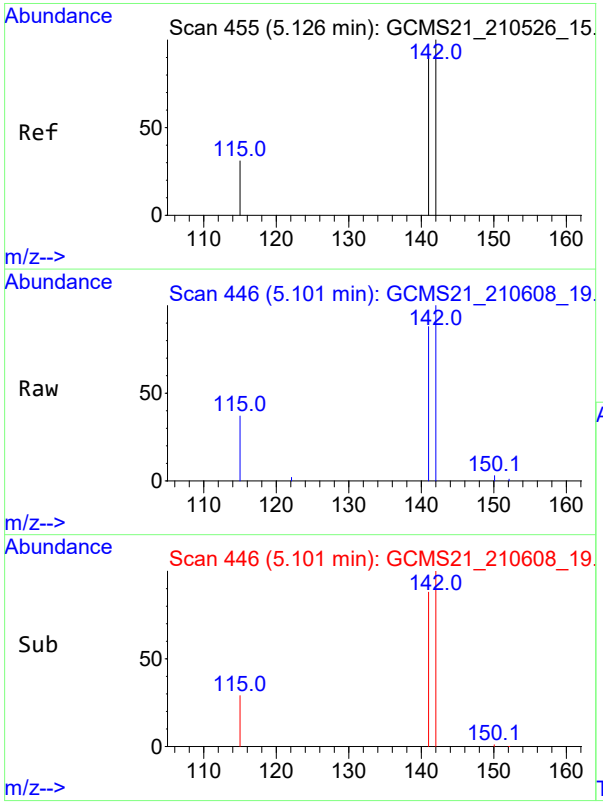


#4
2-Methylnaphthalene
Concen: 337.72 ng/mL
RT: 5.002 min Scan# 412
Delta R.T. 0.000 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:142 Resp: 184961

Ion	Ratio	Lower	Upper
142	100		
141	85.8	56.3	116.3
115	32.2	0.0	57.4

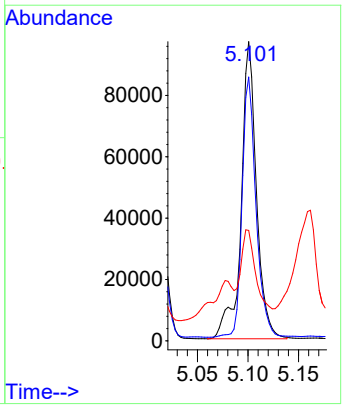


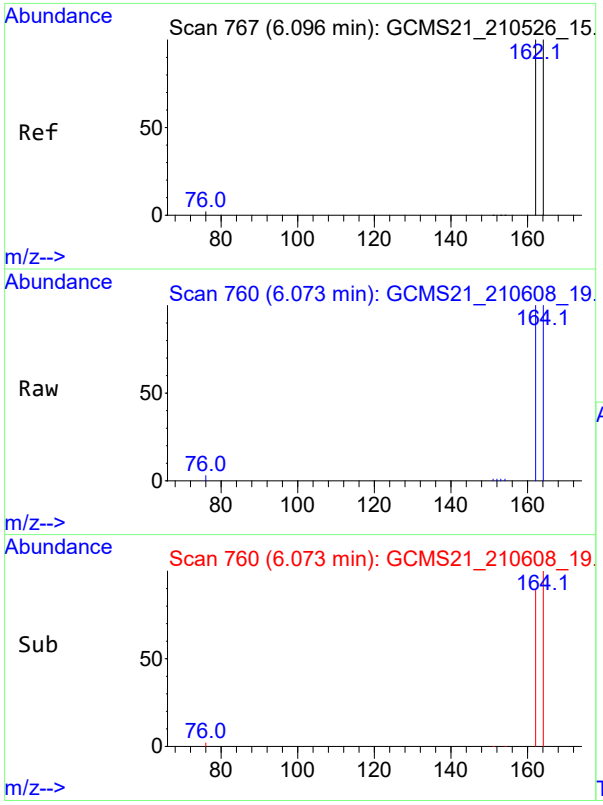


#5
1-Methylnaphthalene
Concen: 223.88 ng/mL
RT: 5.101 min Scan# 446
Delta R.T. 0.003 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:142 Resp: 102127

Ion	Ratio	Lower	Upper
142	100		
141	79.3	61.5	121.5
115	24.5	0.2	60.2

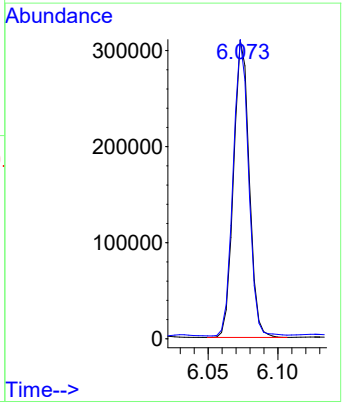


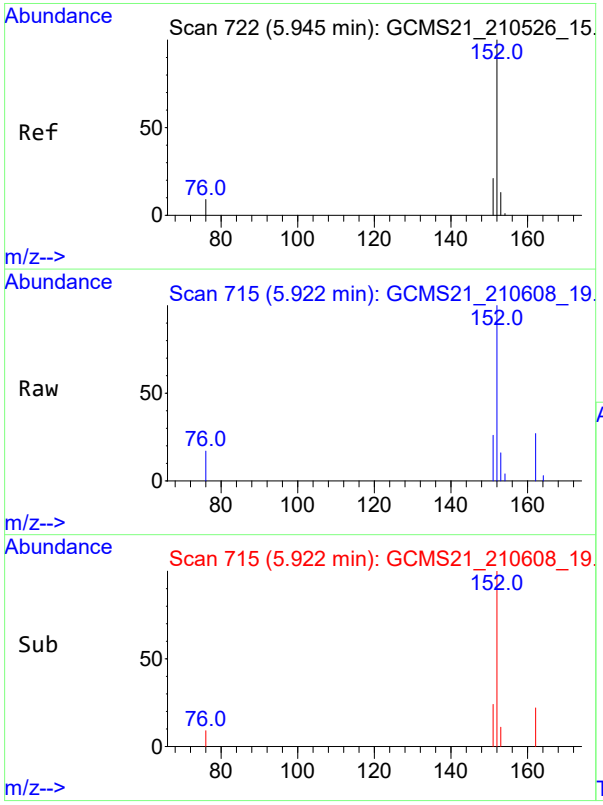


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.073 min Scan# 760
Delta R.T. 0.004 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:164 Resp: 241302

Ion	Ratio	Lower	Upper
164	100		
162	98.5	77.7	117.7

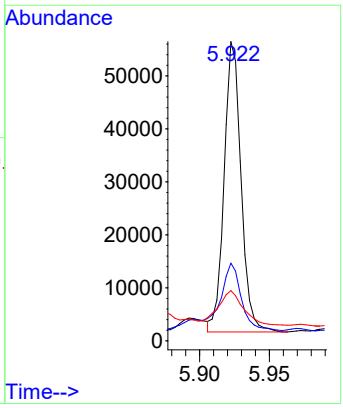


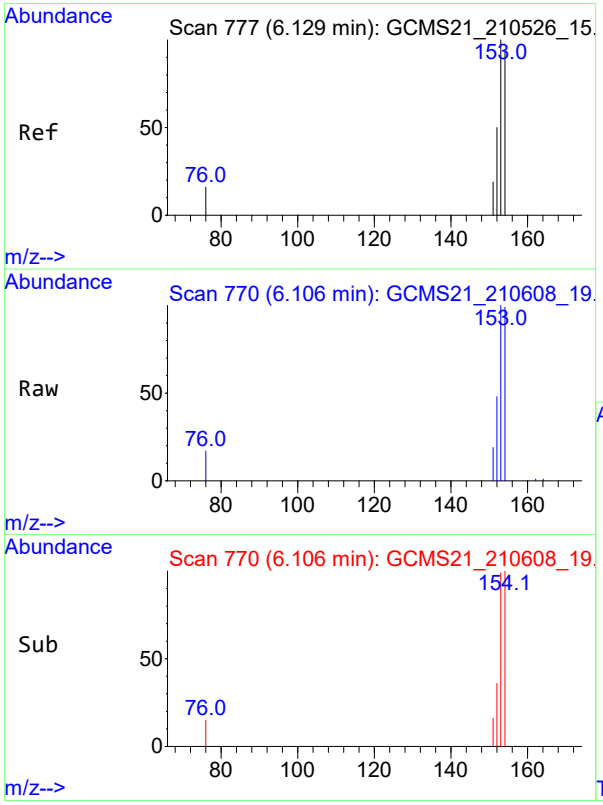


#7
Acenaphthylene
Concen: 57.60 ng/mL
RT: 5.922 min Scan# 715
Delta R.T. 0.007 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:152 Resp: 46129

Ion	Ratio	Lower	Upper
152	100		
151	28.2	0.0	52.0
76	17.9	0.0	39.5

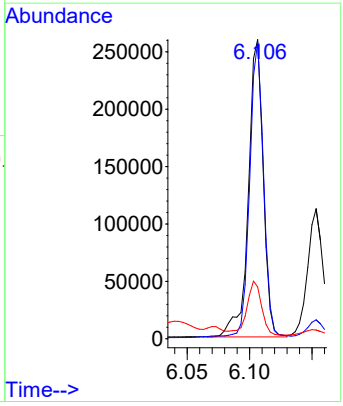


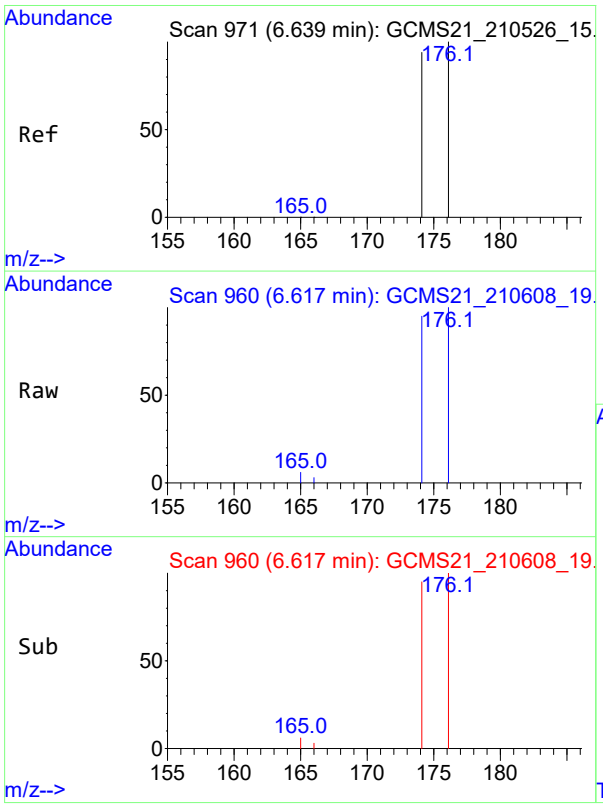


#8
Acenaphthene
Concen: 349.44 ng/mL
RT: 6.106 min Scan# 770
Delta R.T. 0.007 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:153 Resp: 214223

Ion	Ratio	Lower	Upper
153	100		
154	93.8	60.4	120.4
76	18.0	0.0	47.4

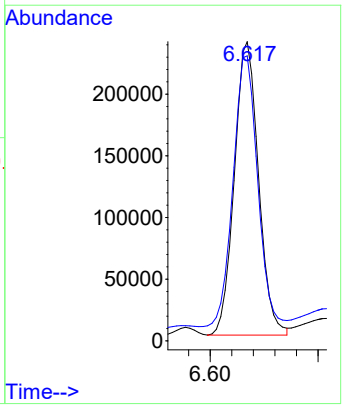


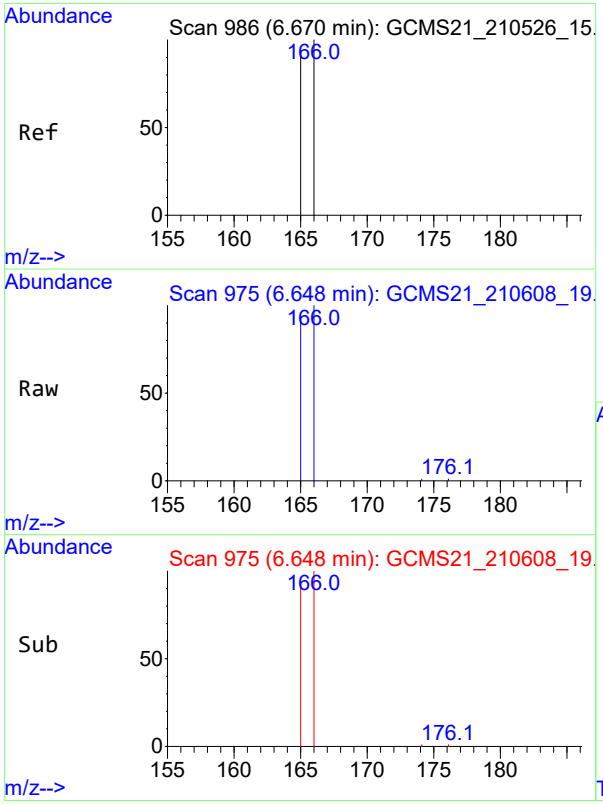


#9
Fluorene-D10
Concen: 320.88 ng/mL
RT: 6.617 min Scan# 960
Delta R.T. 0.006 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:176 Resp: 185377

Ion	Ratio	Lower	Upper
176	100		
174	95.5	63.9	123.9

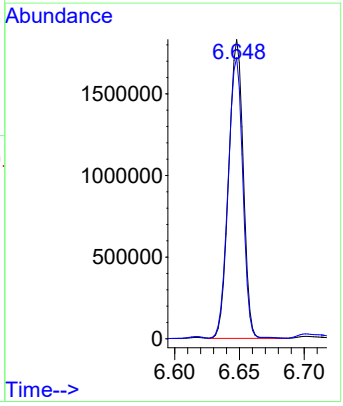


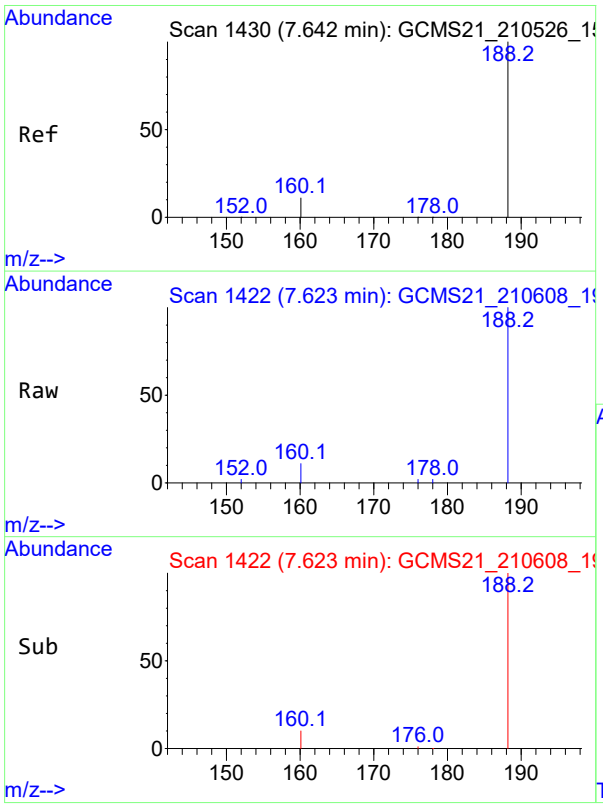


#10
Fluorene
Concen: 2106.57 ng/mL
RT: 6.648 min Scan# 975
Delta R.T. 0.006 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:166 Resp: 1429448

Ion	Ratio	Lower	Upper
166	100		
165	94.7	65.1	125.1

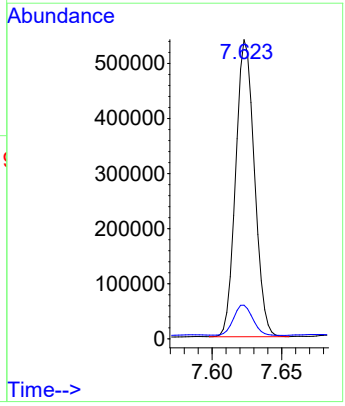


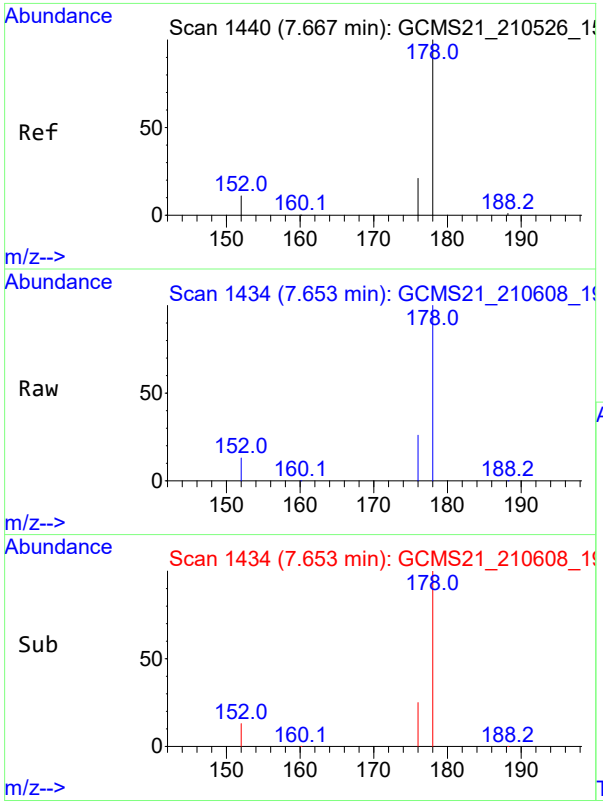


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.623 min Scan# 1422
Delta R.T. 0.008 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:188 Resp: 504050

Ion	Ratio	Lower	Upper
188	100		
160	10.5	0.0	39.8

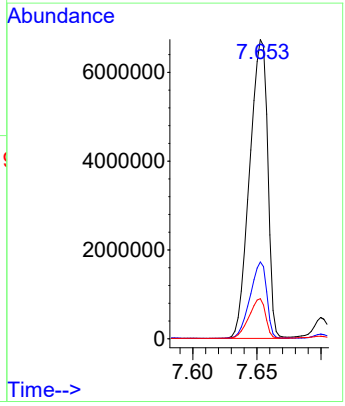


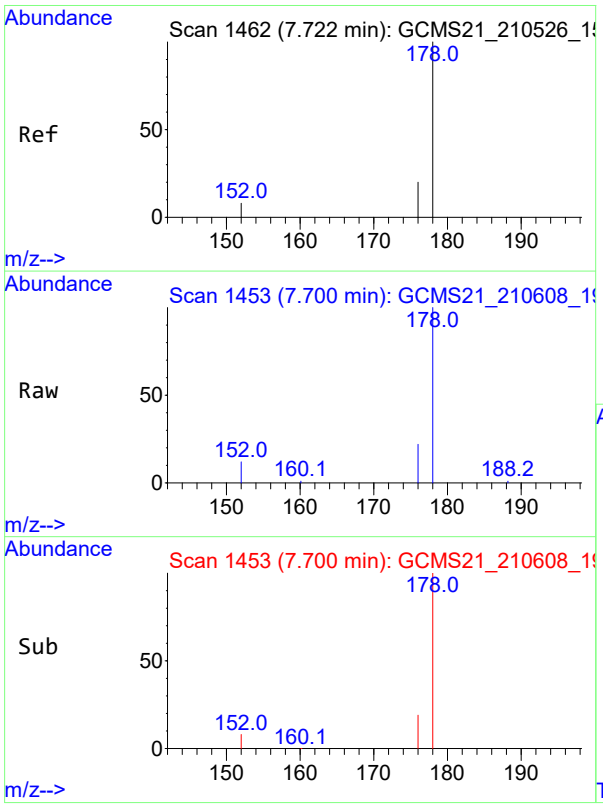


#12
Phenanthrene
Concen: 5416.97 ng/mL
RT: 7.653 min Scan# 1434
Delta R.T. 0.015 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:178 Resp: 6589772

Ion	Ratio	Lower	Upper
178	100		
176	23.4	0.0	51.1
152	12.2	0.0	40.6

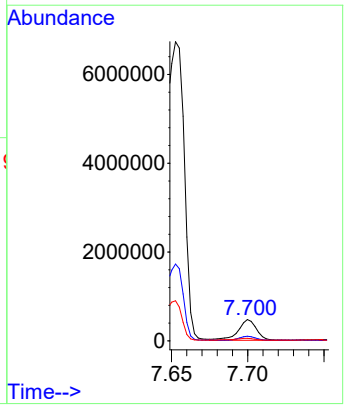


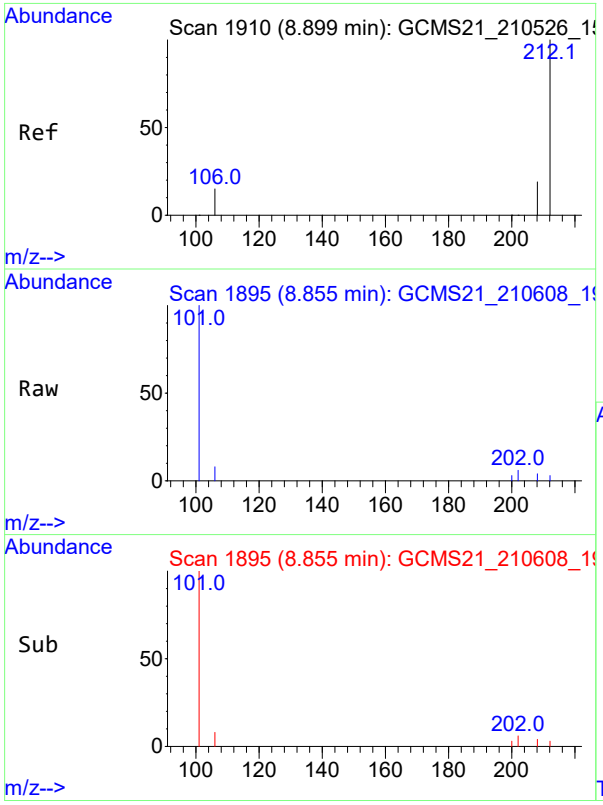


#13
Anthracene
Concen: 388.06 ng/mL
RT: 7.700 min Scan# 1453
Delta R.T. 0.008 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:178 Resp: 392544

Ion	Ratio	Lower	Upper
178	100		
176	18.0	0.0	50.4
152	12.0	0.0	38.3

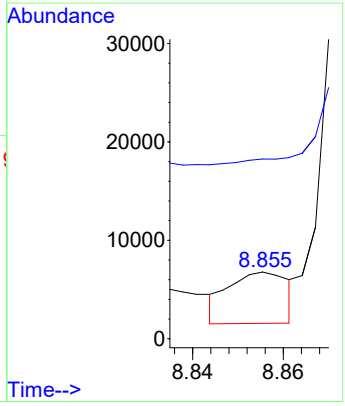


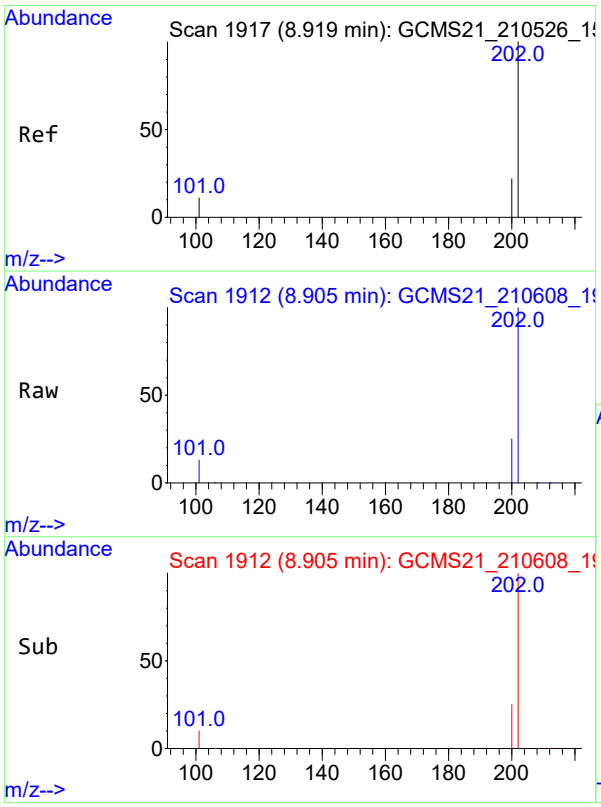


#14
Fluoranthene-D10
Concen: 4.34 ng/mL
RT: 8.855 min Scan# 1895
Delta R.T. -0.011 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:212 Resp: 4739

Ion	Ratio	Lower	Upper
212	100		
106	0.0	0.0	45.3

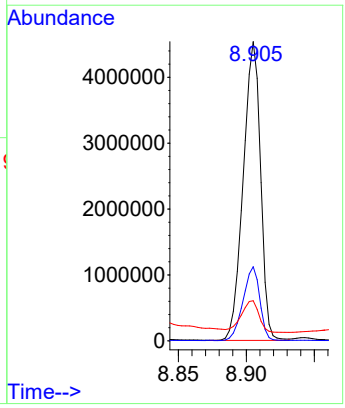


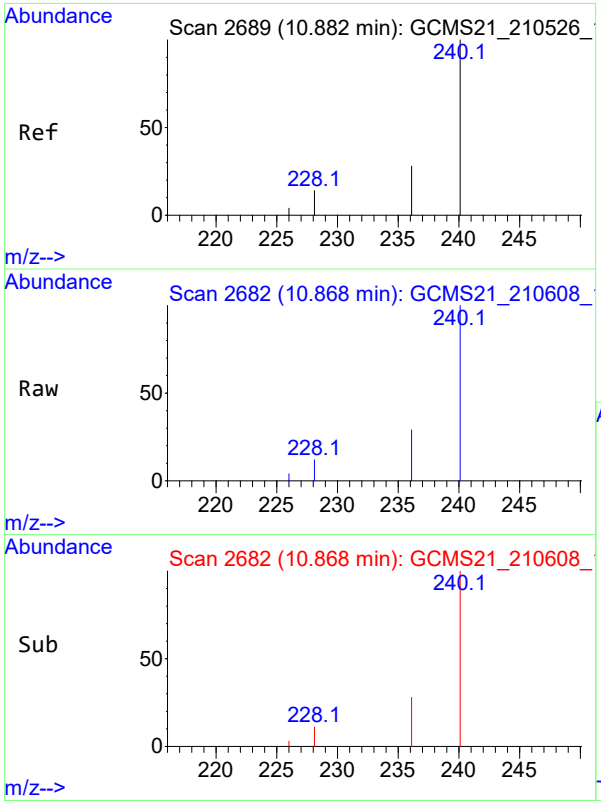


#15
Fluoranthene
Concen: 3127.88 ng/mL
RT: 8.905 min Scan# 1912
Delta R.T. 0.018 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:202 Resp: 4015886

Ion	Ratio	Lower	Upper
202	100		
200	23.9	0.0	53.2
101	10.9	0.0	41.8

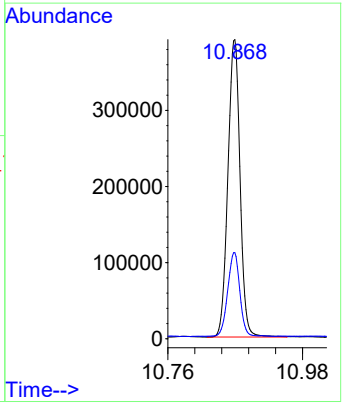


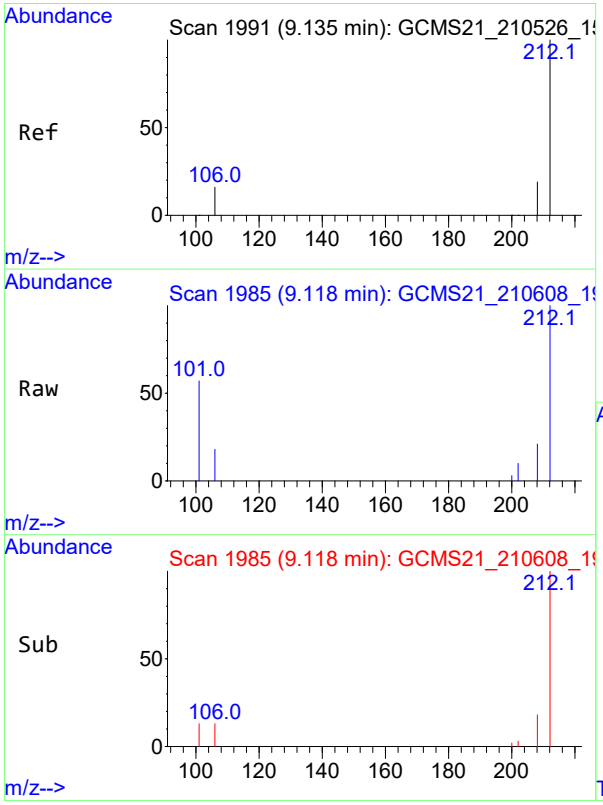


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.868 min Scan# 2682
Delta R.T. 0.031 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:240 Resp: 543372

Ion	Ratio	Lower	Upper
240	100		
236	28.0	0.0	58.6

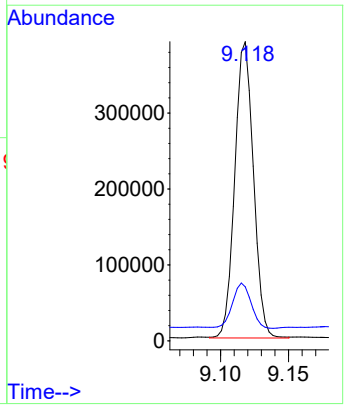


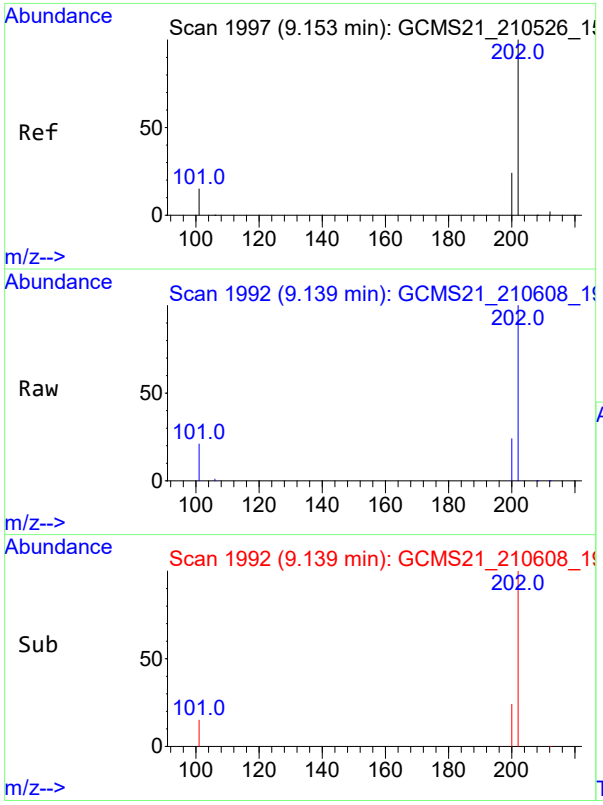


#17
Pyrene-D10
Concen: 300.81 ng/mL
RT: 9.118 min Scan# 1985
Delta R.T. 0.015 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:212 Resp: 372932

Ion	Ratio	Lower	Upper
212	100		
106	15.3	0.0	45.8

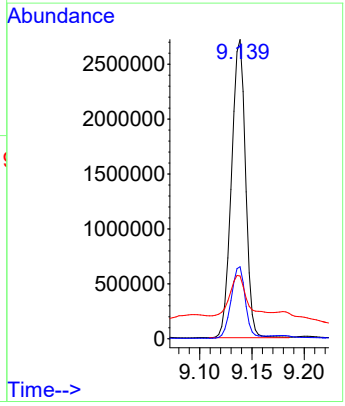


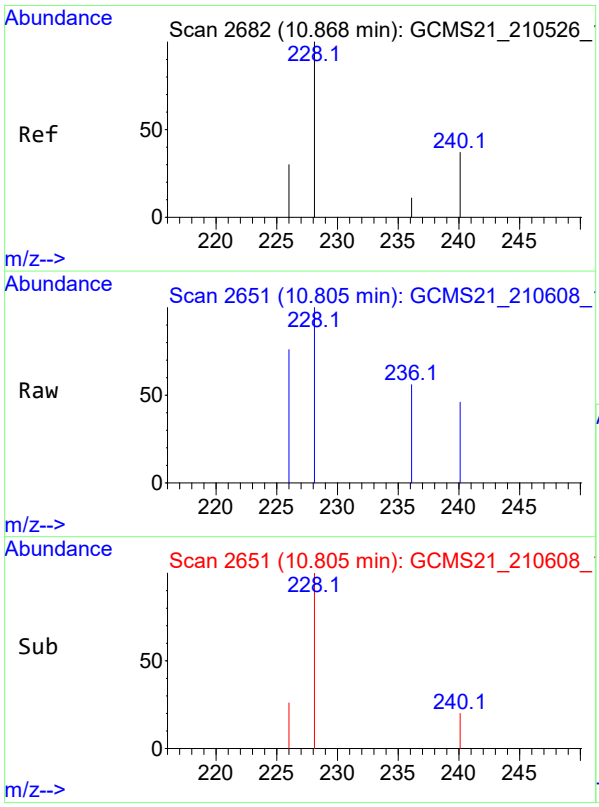


#18
Pyrene
Concen: 1747.84 ng/mL
RT: 9.139 min Scan# 1992
Delta R.T. 0.018 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:202 Resp: 2531184

Ion	Ratio	Lower	Upper
202	100		
200	24.3	0.0	54.2
101	24.7	0.0	44.6

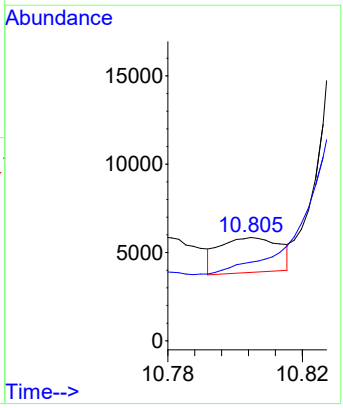


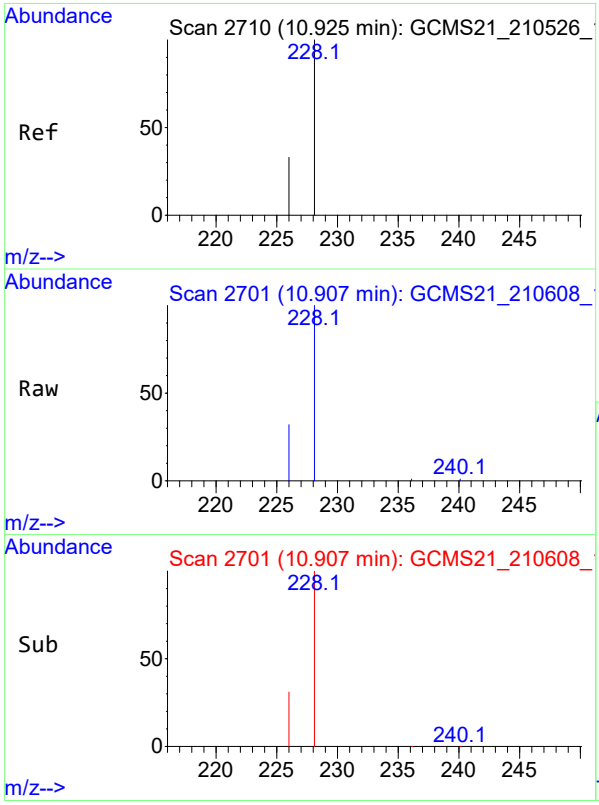


#19
Benzo(a)anthracene
Concen: 2.14 ng/mL
RT: 10.805 min Scan# 2651
Delta R.T. -0.016 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:228 Resp: 2343

Ion	Ratio	Lower	Upper
228	100		
226	0.0	0.0	59.9

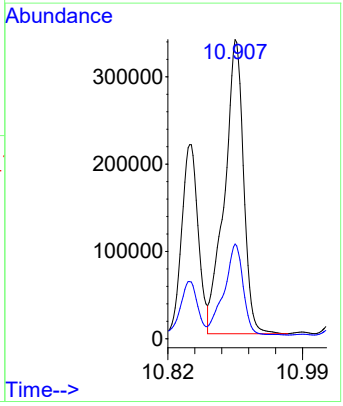


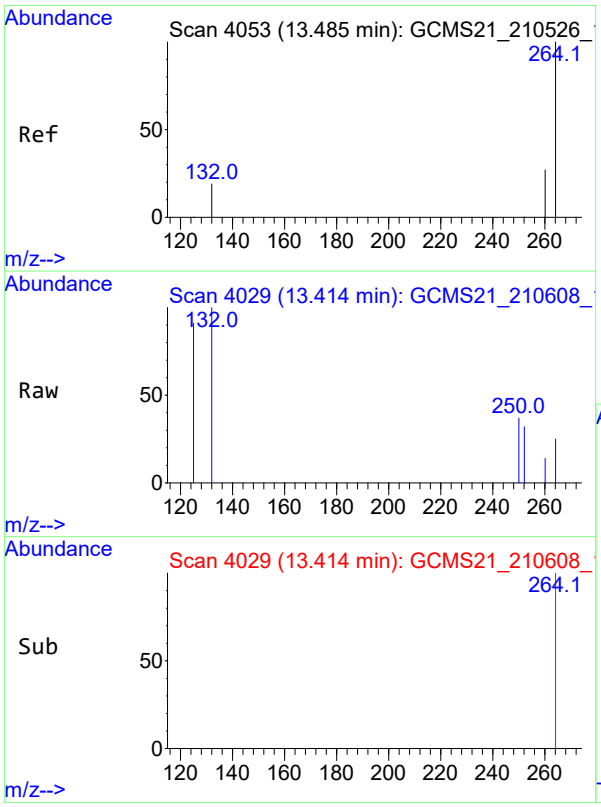


#20
Chrysene
Concen: 416.61 ng/mL
RT: 10.907 min Scan# 2701
Delta R.T. 0.029 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:228 Resp: 562144

Ion	Ratio	Lower	Upper
228	100		
226	30.7	2.8	62.8

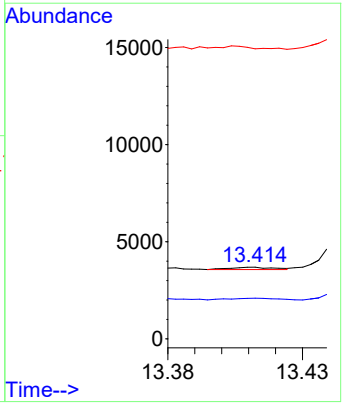


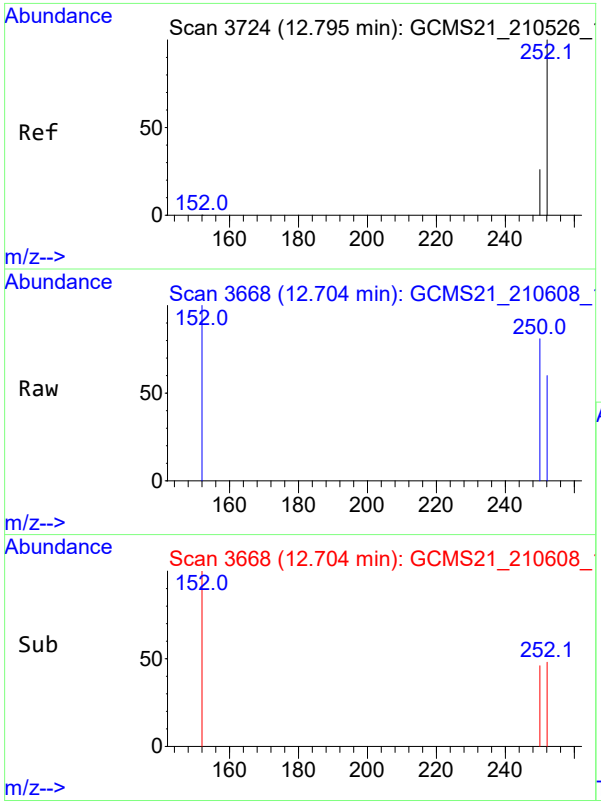


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.414 min Scan# 4029
Delta R.T. -0.015 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:264 Resp: 134

Ion	Ratio	Lower	Upper
264	100		
260	81.3	0.0	57.5#
132	129.1	0.0	49.5#

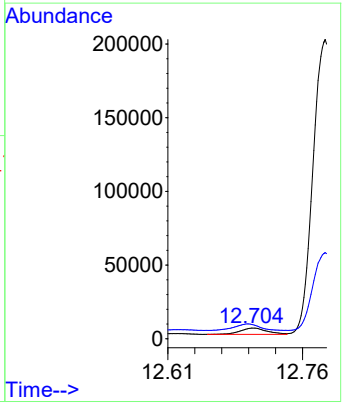


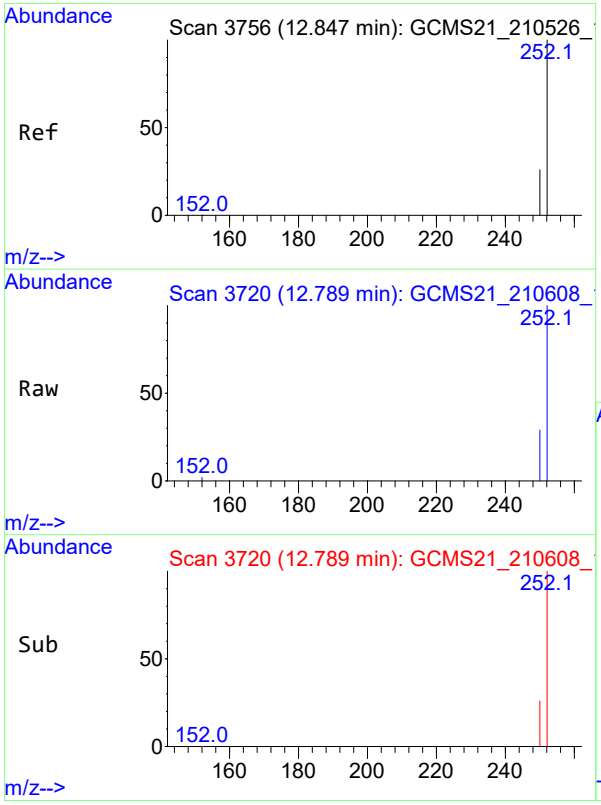


#22
Benzo(b)fluoranthene
Concen: 32866.90 ng/mL
RT: 12.704 min Scan# 3668
Delta R.T. -0.037 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 9142

Ion	Ratio	Lower	Upper
252	100		
250	93.9	0.0	56.2#

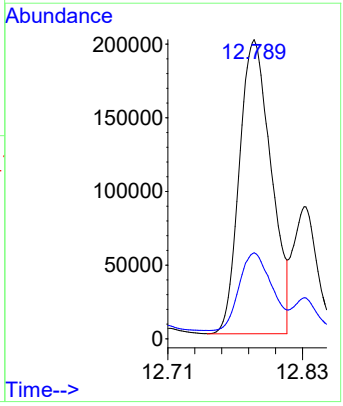


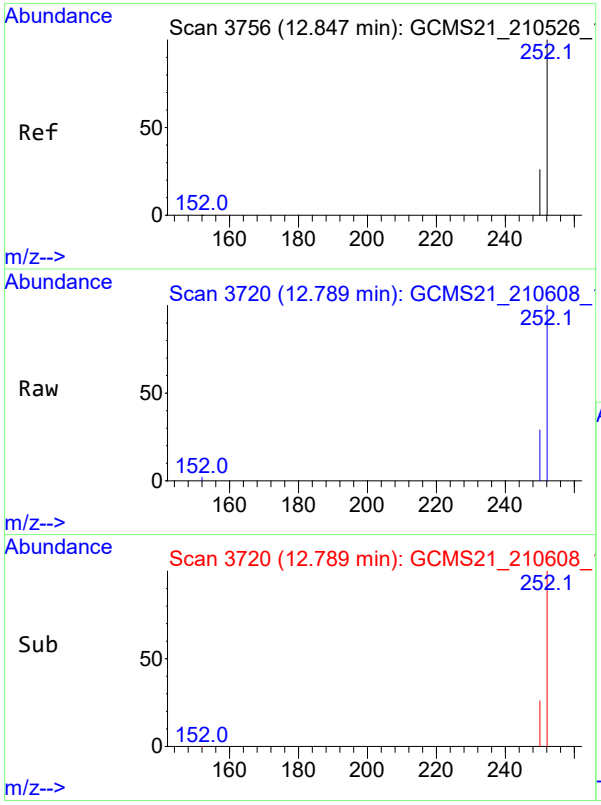


#23
Benzo(k)fluoranthene
Concen: 1342735.10 ng/mL
RT: 12.789 min Scan# 3720
Delta R.T. -0.007 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 413916

Ion	Ratio	Lower	Upper
252	100		
250	27.4	0.0	55.6

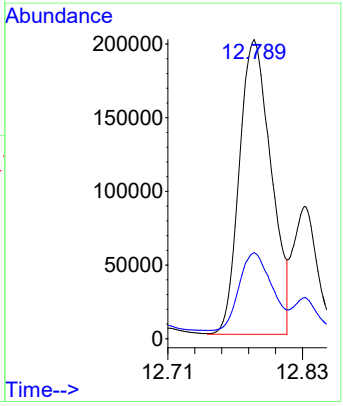


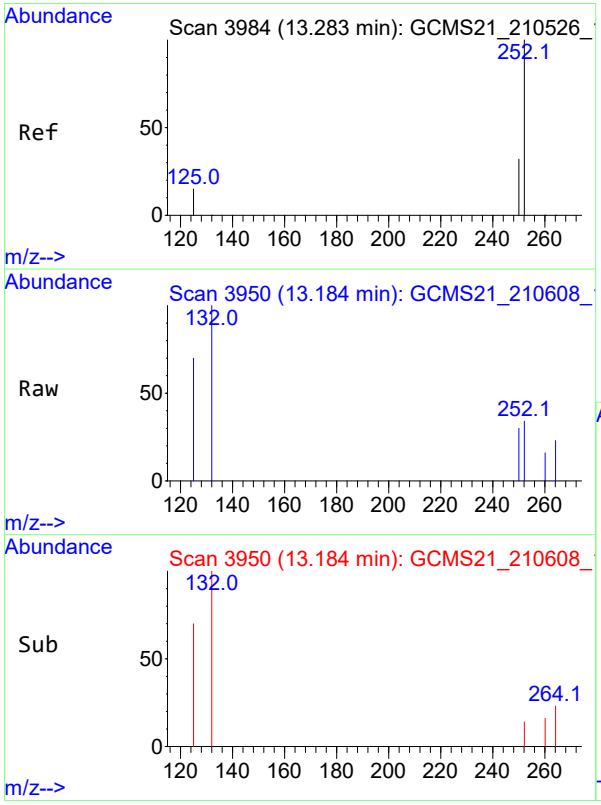


#24
benzo(b+k)fluoranthene (sum)
Concen: 1375516.38 ng/mL
RT: 12.789 min Scan# 3720
Delta R.T. -0.007 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 415725

Ion	Ratio	Lower	Upper
252	100		
250	27.3	0.0	55.6

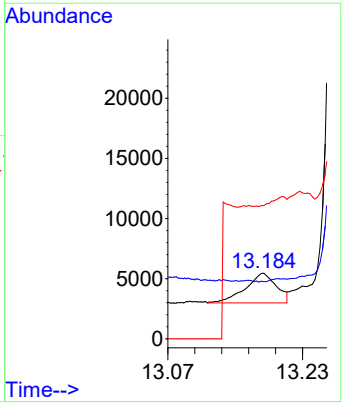


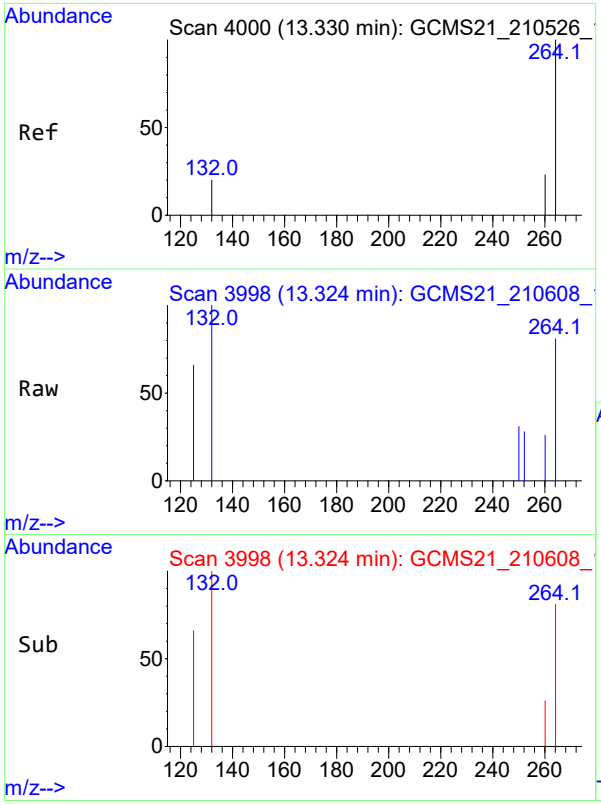


#25
Benzo(e)pyrene
Concen: 19091.20 ng/mL
RT: 13.184 min Scan# 3950
Delta R.T. -0.047 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 5356

Ion	Ratio	Lower	Upper
252	100		
250	6.6	2.3	62.3
125	16.7	0.0	46.1

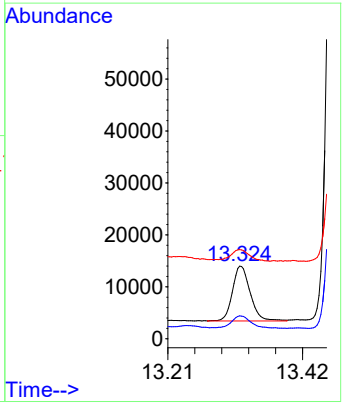


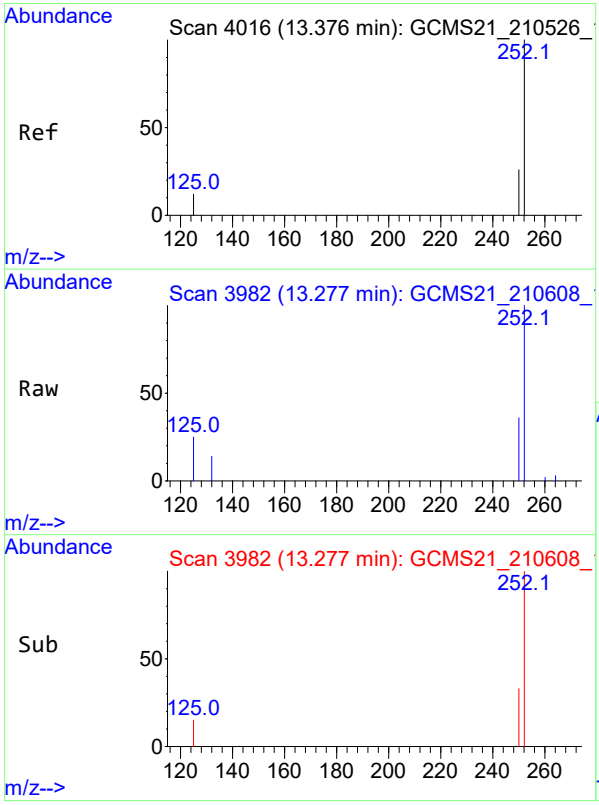


#26
Benzo(a)pyrene-D12
Concen: 92172.96 ng/mL
RT: 13.324 min Scan# 3998
Delta R.T. 0.047 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:264 Resp: 20067

Ion	Ratio	Lower	Upper
264	100		
260	39.2	0.0	53.0
132	21.9	0.0	49.8

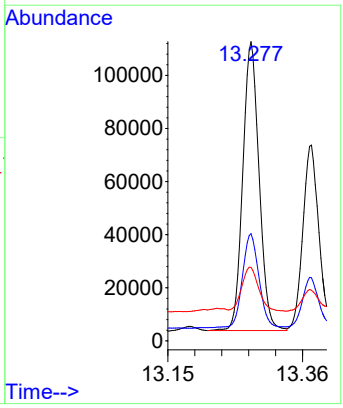


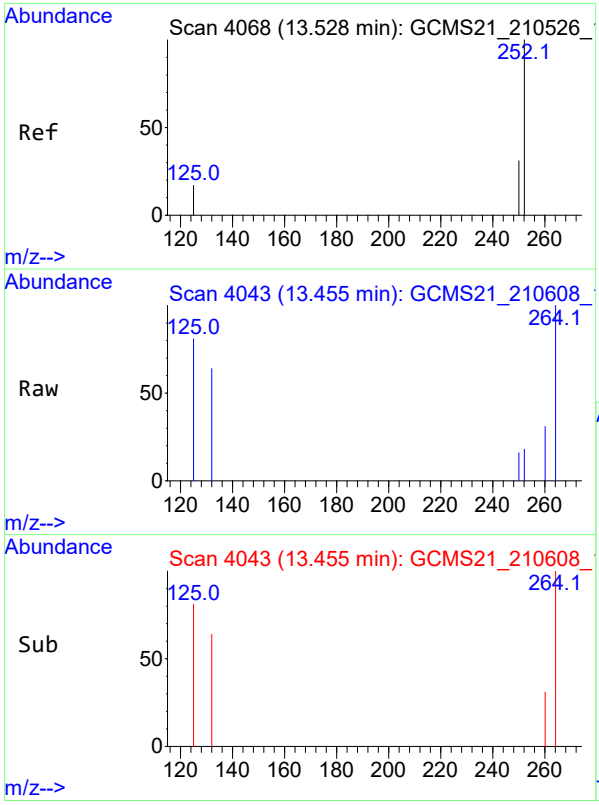


#27
Benzo(a)pyrene
Concen: 749327.16 ng/mL
RT: 13.277 min Scan# 3982
Delta R.T. -0.044 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 190218

Ion	Ratio	Lower	Upper
252	100		
250	33.1	0.0	56.6
125	15.7	0.0	42.1

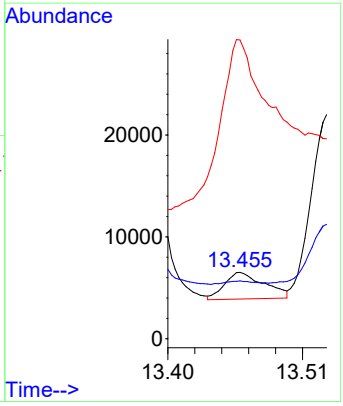


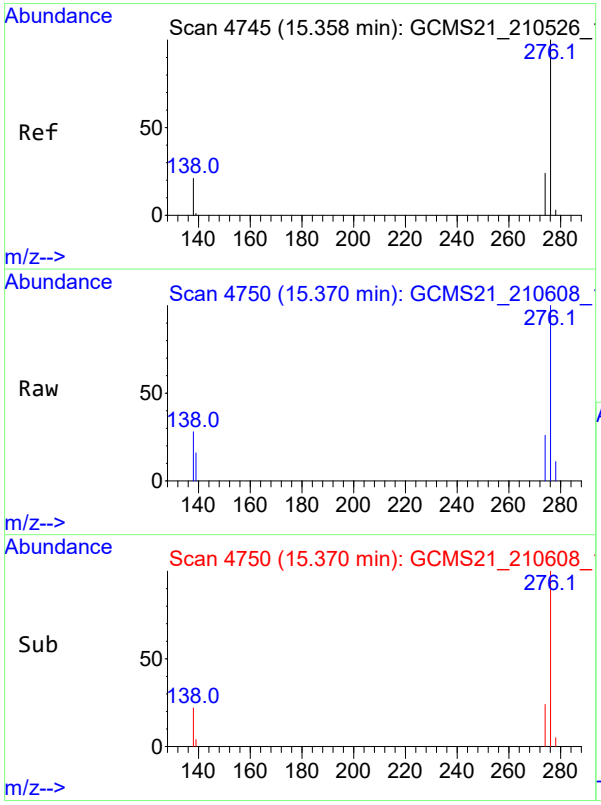


#28
Perylene
Concen: 20509.38 ng/mL
RT: 13.455 min Scan# 4043
Delta R.T. -0.021 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:252 Resp: 5847

Ion	Ratio	Lower	Upper
252	100		
250	9.8	1.2	61.2
125	899.9	0.0	46.7#

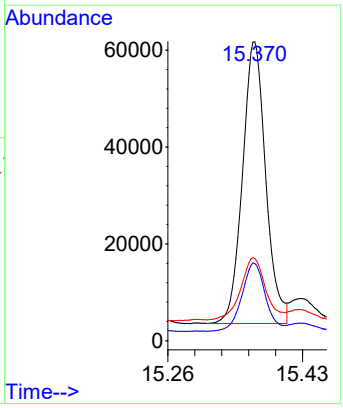


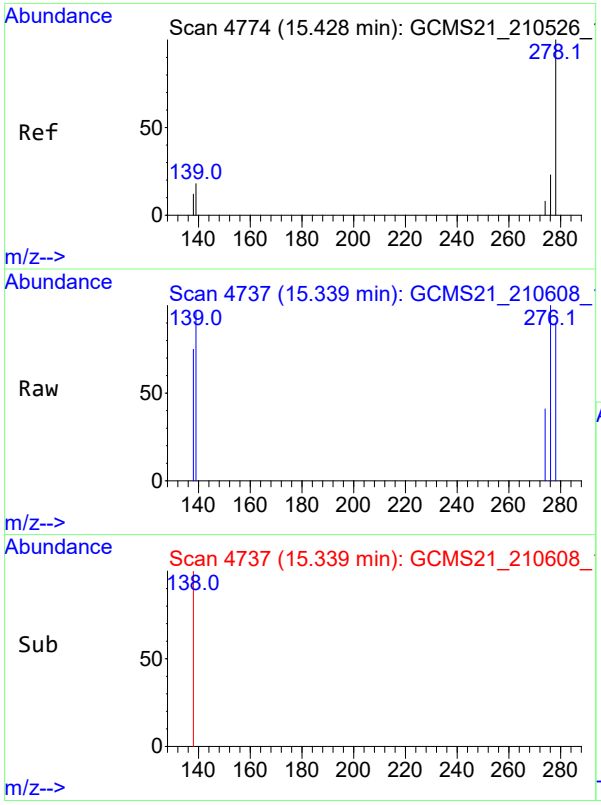


#29
Indeno(1,2,3-cd)pyrene
Concen: 551580.25 ng/mL
RT: 15.370 min Scan# 4750
Delta R.T. 0.070 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:276 Resp: 119817

Ion	Ratio	Lower	Upper
276	100		
274	24.4	0.0	53.4
138	23.6	0.0	51.2

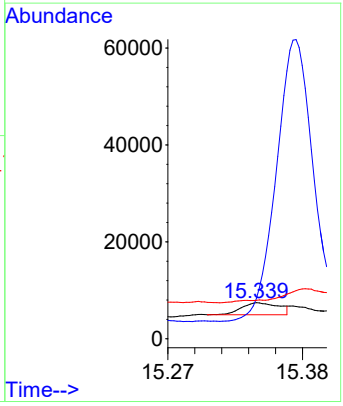


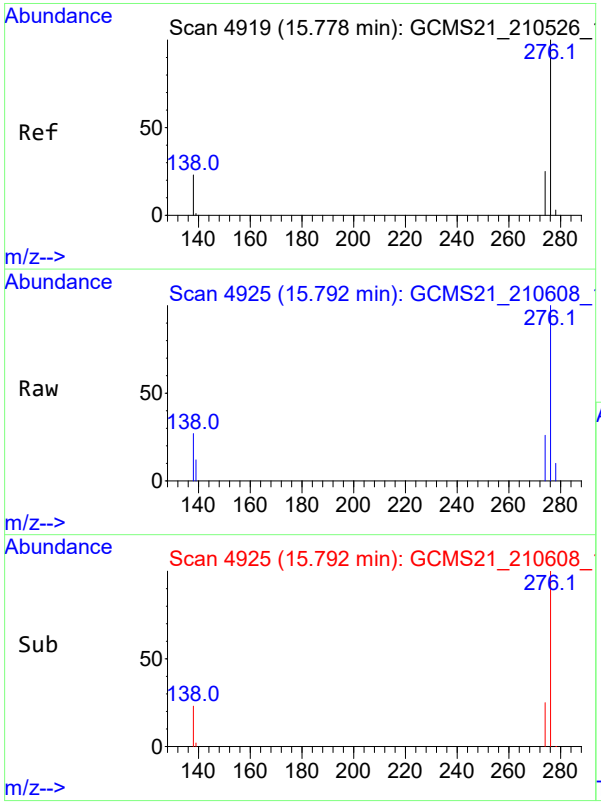


#30
Dibenz(a,h)anthracene
Concen: 23700.15 ng/mL
RT: 15.339 min Scan# 4737
Delta R.T. -0.034 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:278 Resp: 5131

Ion	Ratio	Lower	Upper
278	100		
276	0.0	0.0	58.4
139	8.7	0.0	47.7

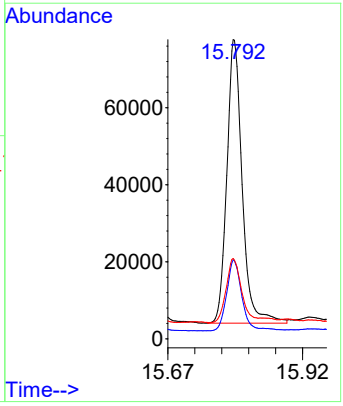




#31
Benzo(g,h,i)perylene
Concen: 523372.42 ng/mL
RT: 15.792 min Scan# 4925
Delta R.T. 0.067 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 16:12

Tgt Ion:276 Resp: 147715

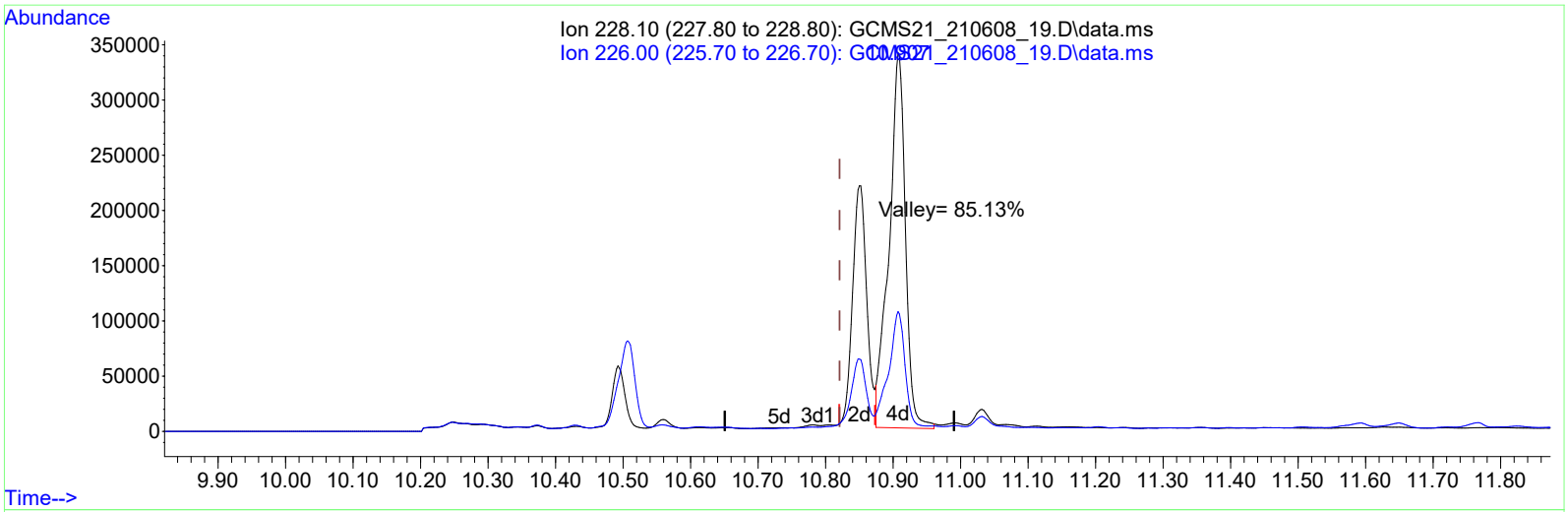
Ion	Ratio	Lower	Upper
276	100		
274	24.1	0.0	54.3
138	22.6	0.0	53.0

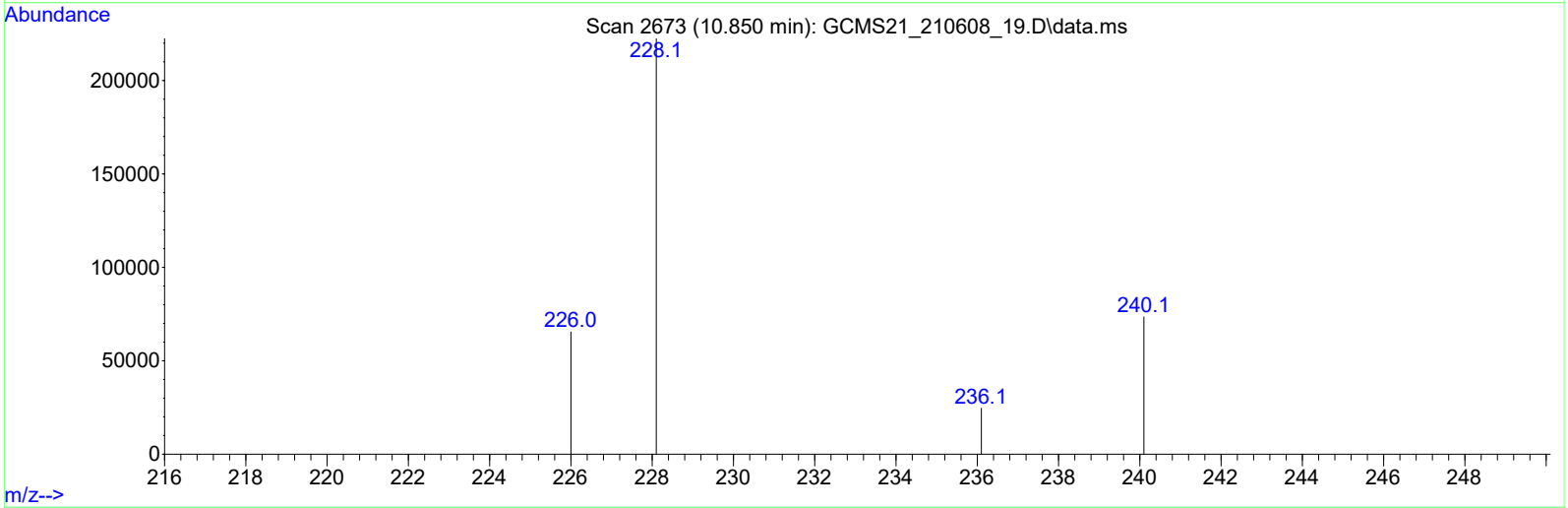


Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_19.D
Acq On : 08 Jun 2021 04:12 pm
Operator : MN GCMS21
Sample : 2105001-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 10:52:03 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_19.D\data.ms

(19) Benzo(a)anthracene (M)

10.850min (+ 0.029) 284.62 ng/mL m

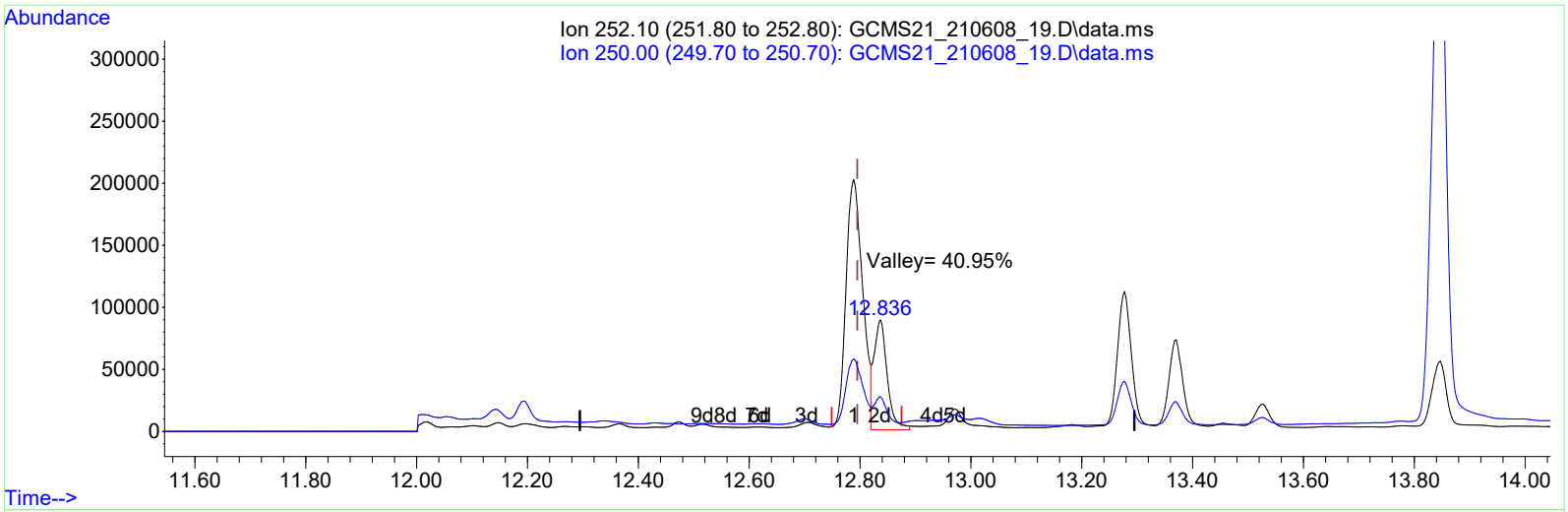
response 311075

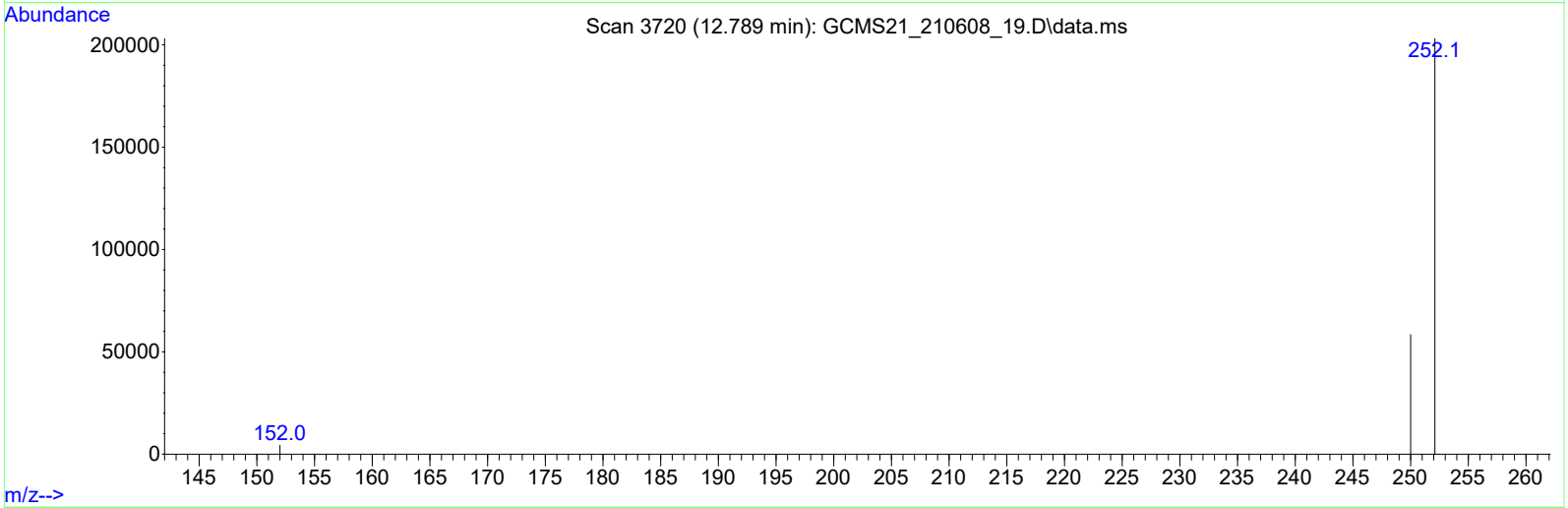
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.90	33.20
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_19.D
Acq On : 08 Jun 2021 04:12 pm
Operator : MN GCMS21
Sample : 2105001-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 10:52:03 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_19.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.789min (-0.007) 452.42 ng/mL m

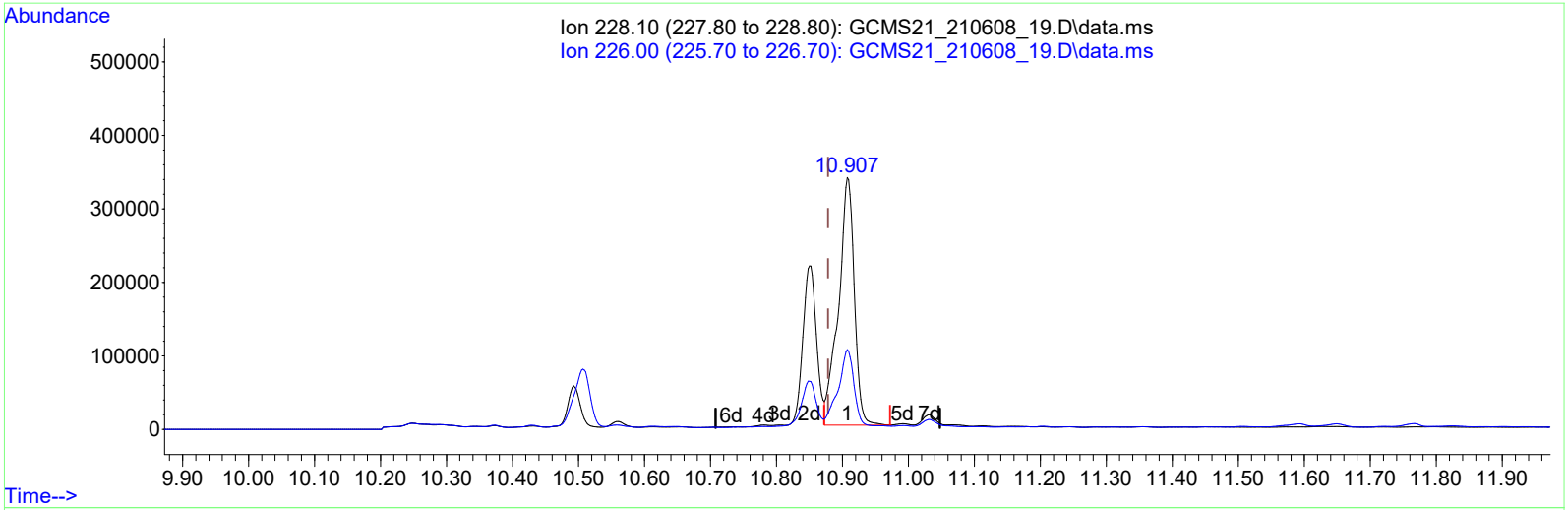
response 549765

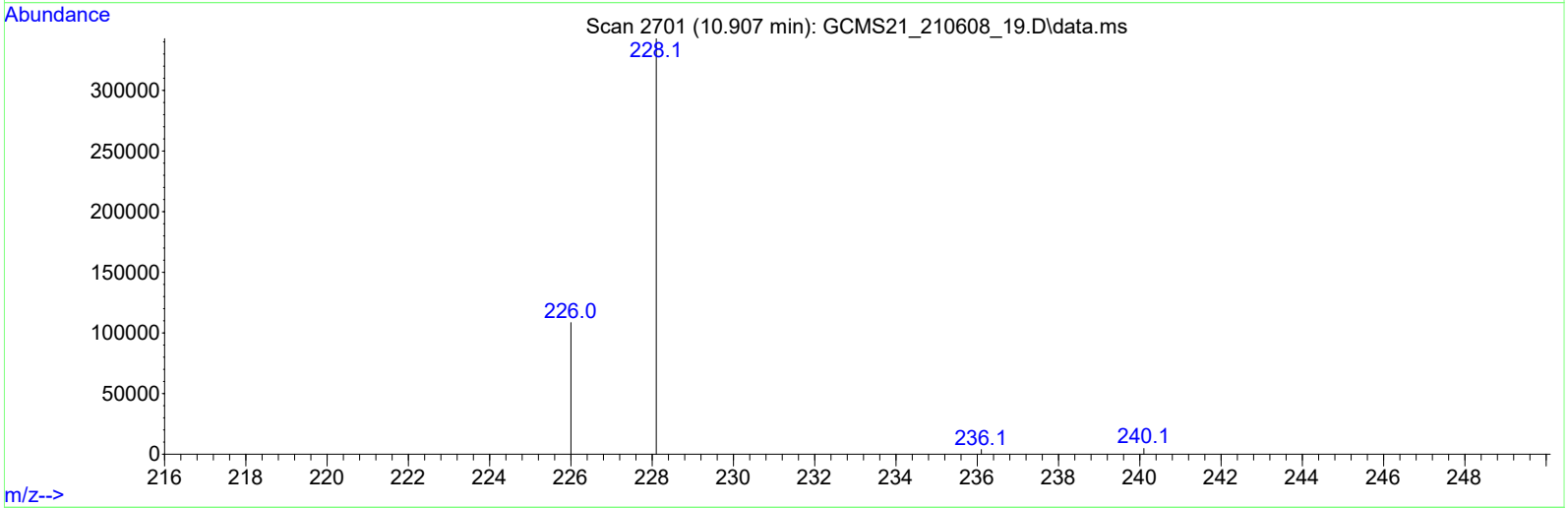
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	26.74
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_19.D
Acq On : 08 Jun 2021 04:12 pm
Operator : MN GCMS21
Sample : 2105001-15
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 01 10:52:03 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_19.D\data.ms

(20) Chrysene (M)

10.907min (+ 0.029) 416.61 ng/mL

response 562144

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	32.80	30.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_20.D
Acq On : 08 Jun 2021 16:37
Operator : MN GCMS21
Sample : 2105001-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Due to sample matrix, Retention time of several analytes had shifted from expected retention time window. The manual integration was performed on this report, per GEN029 code I,and D
MN 07.20.21

Quant Time: Jul 01 10:52:21 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.276	136	417755	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.076	164	260517	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.628	188	553483	500.00	ng/mL	0.01
16) CHRYSENE-D12	10.872	240	583441m	500.00	ng/mL	0.03
21) PERYLENE-D12	13.491	264	574747	500.00	ng/mL	0.06
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	6.619	176	214889	344.53	ng/mL	0.00
14) Fluoranthene-D10	8.887	212	439191m	366.46	ng/mL	0.02
17) Pyrene-D10	9.121	212	432460m	324.87	ng/mL	0.02
26) Benzo(a)pyrene-D12	13.336	264	19847	21.25	ng/mL	0.06
Target Compounds						Qvalue
2) Naphthalene	4.296	128	1457659	1818.54	ng/mL	99
4) 2-Methylnaphthalene	5.004	142	216187	366.22	ng/mL	96
5) 1-Methylnaphthalene	5.100	142	120545	245.16	ng/mL	88
7) Acenaphthylene	5.926	152	79971	92.49	ng/mL	88
8) Acenaphthene	6.106	153	240693	363.66	ng/mL	97
10) Fluorene	6.650	166	1675443	2286.98	ng/mL	100
12) Phenanthrene	7.660	178	8925373	6681.62	ng/mL	93
13) Anthracene	7.702	178	613181	552.04	ng/mL	94
15) Fluoranthene	8.911	202	5378031	3814.70	ng/mL	98
18) Pyrene	9.144	202	3493745m	2246.82	ng/mL	
19) Benzo(a)anthracene	10.856	228	486644m	414.69	ng/mL	
20) Chrysene	10.856	228	479736	331.12	ng/mL	96
22) Benzo(b)fluoranthene	12.716	252	15093	12.65	ng/mL#	1
23) Benzo(k)fluoranthene	12.842	252	204280m	154.50	ng/mL	
24) benzo(b+k)fluoranthene...	12.794	252	819092m	631.86	ng/mL	
25) Benzo(e)pyrene	13.283	252	276895m	230.11	ng/mL	
27) Benzo(a)pyrene	13.377	252	183741m	168.75	ng/mL	
28) Perylene	13.532	252	50540m	41.33	ng/mL	
29) Indeno(1,2,3-cd)pyrene	15.378	276	185919m	199.55	ng/mL	
30) Dibenz(a,h)anthracene	15.440	278	42011m	45.24	ng/mL	
31) Benzo(g,h,i)perylene	15.804	276	211642m	174.83	ng/mL	

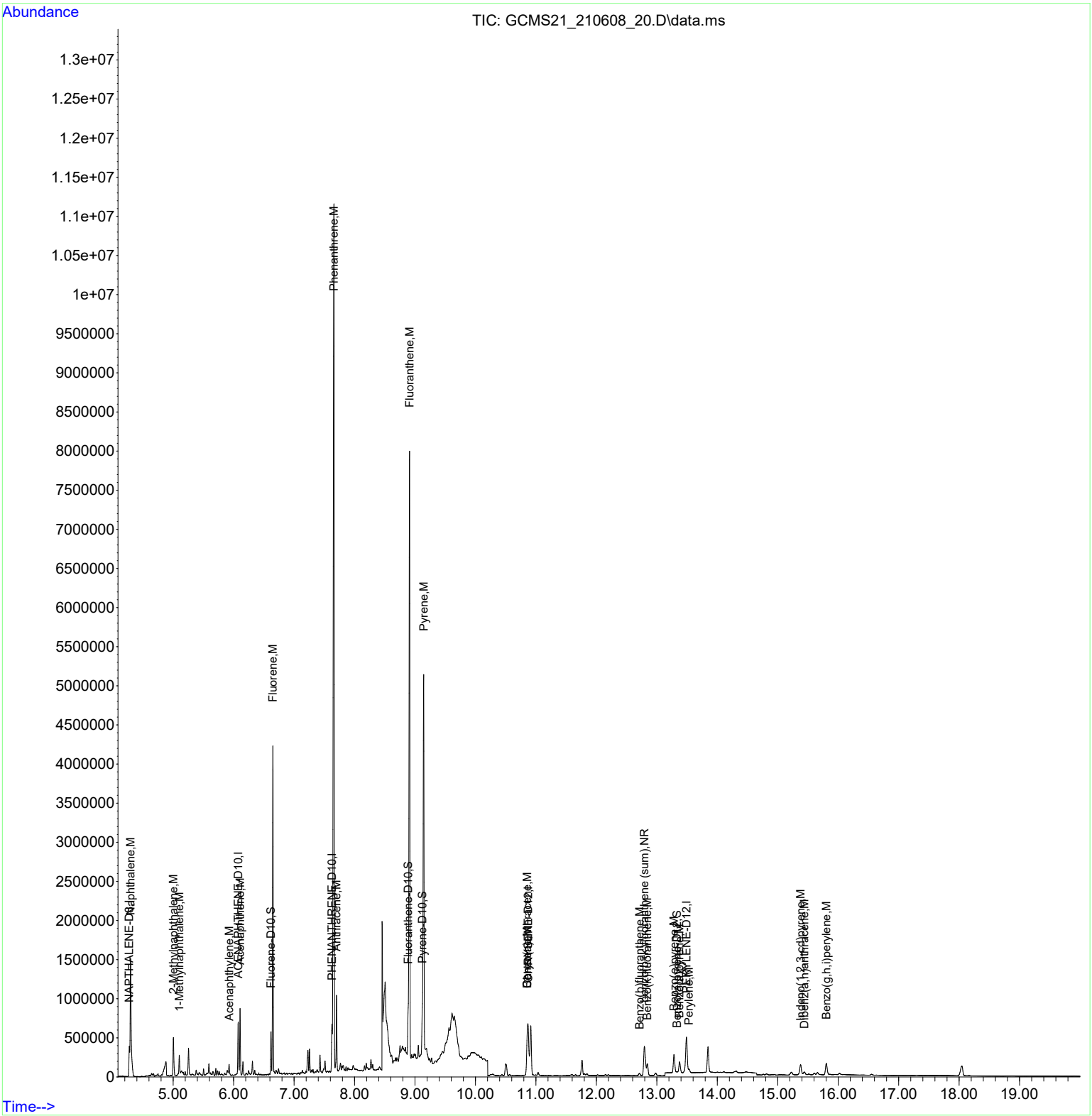
Highlighted analytes are aboveICAL.
MN07.28.21

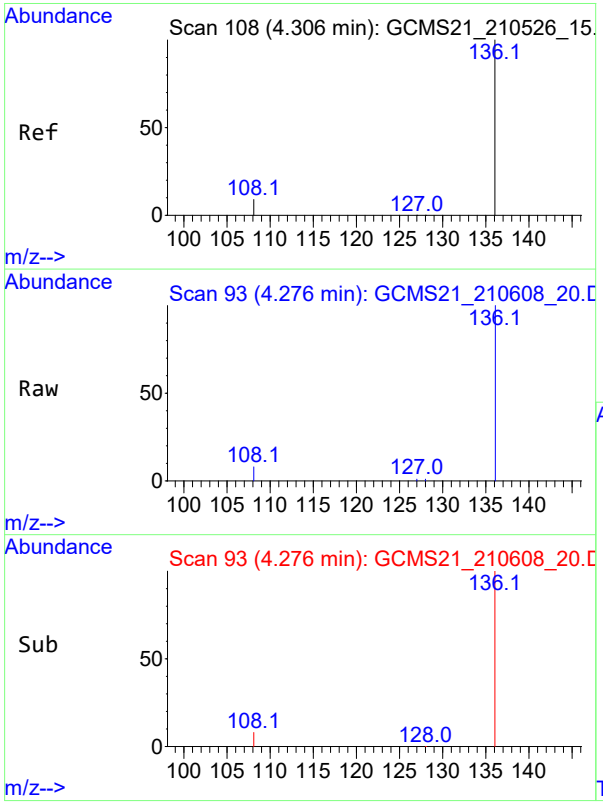
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_20.D
Acq On : 08 Jun 2021 16:37
Operator : MN GCMS21
Sample : 2105001-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 10:52:21 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

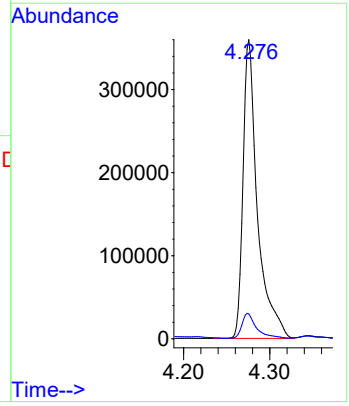


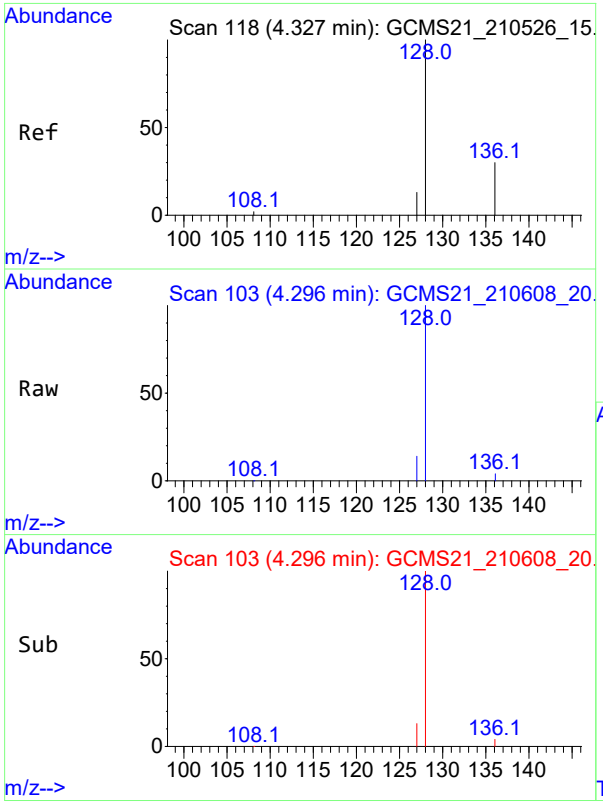


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.276 min Scan# 93
Delta R.T. 0.000 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:136 Resp: 417755

Ion	Ratio	Lower	Upper
136	100		
108	8.3	0.0	28.3

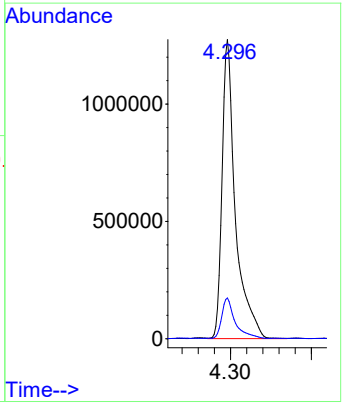


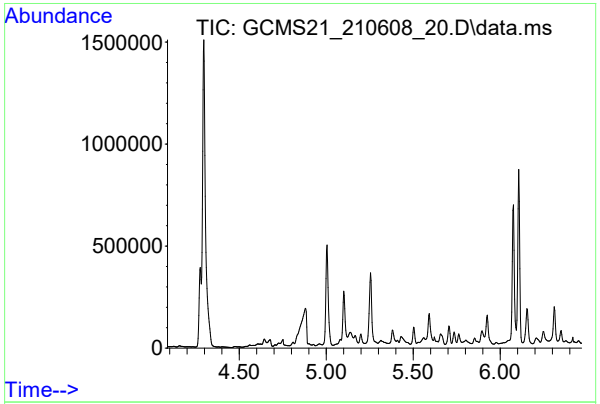


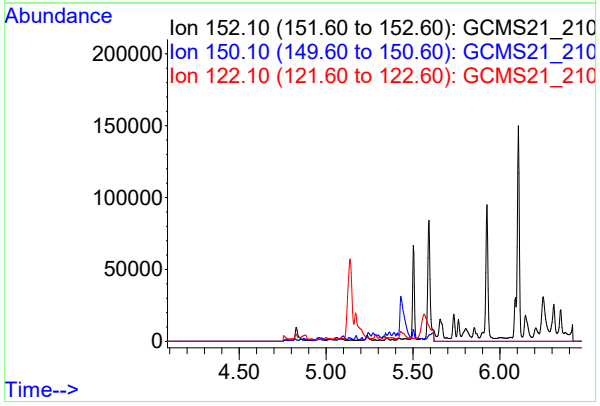
#2
Naphthalene
Concen: 1818.54 ng/mL
RT: 4.296 min Scan# 103
Delta R.T. 0.000 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:128 Resp: 1457659

Ion	Ratio	Lower	Upper
128	100		
127	13.6	0.0	43.3





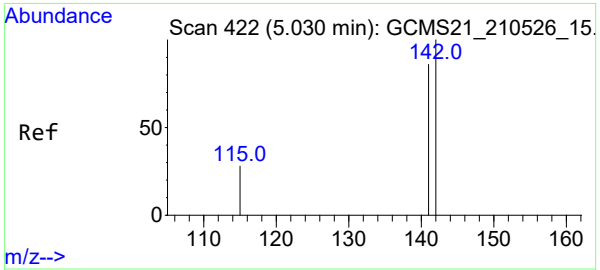


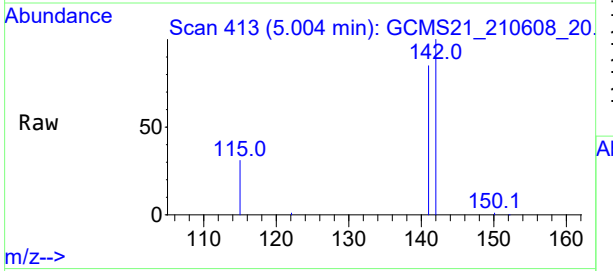
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 4.97 min

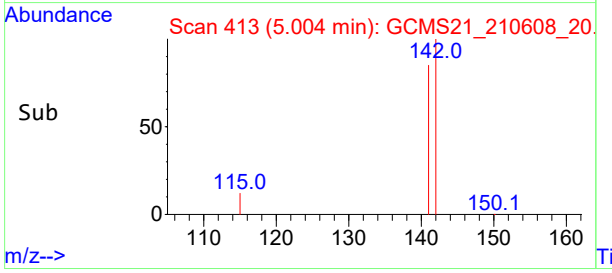
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.3
122	27.5



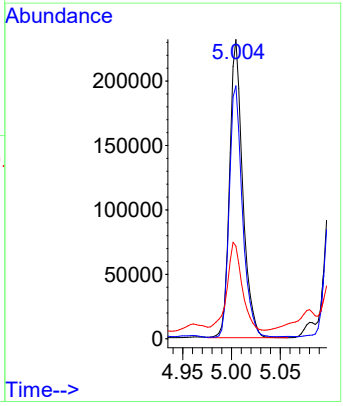


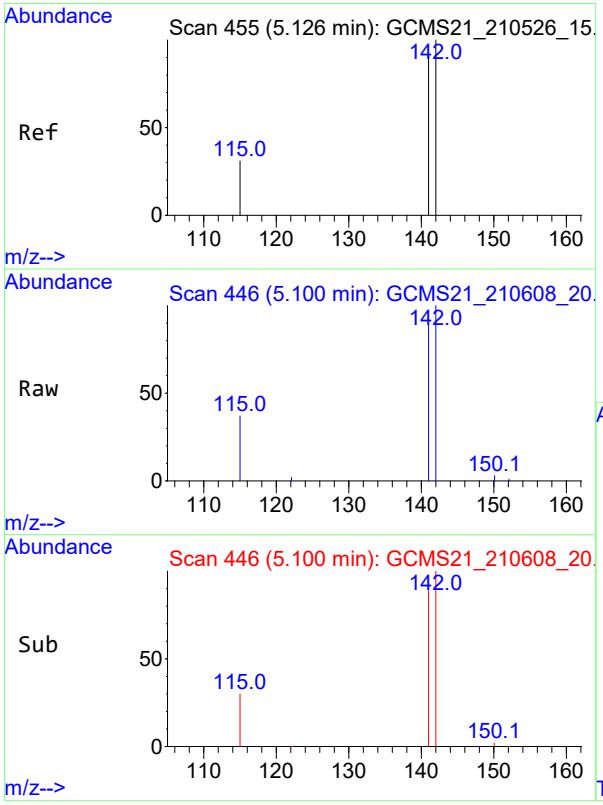


#4
2-Methylnaphthalene
Concen: 366.22 ng/mL
RT: 5.004 min Scan# 413
Delta R.T. 0.003 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:142 Resp: 216187

Ion	Ratio	Lower	Upper
142	100		
141	84.8	56.3	116.3
115	33.8	0.0	57.4

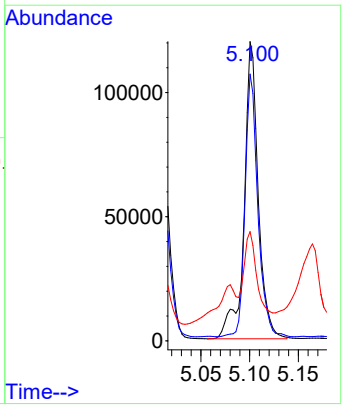


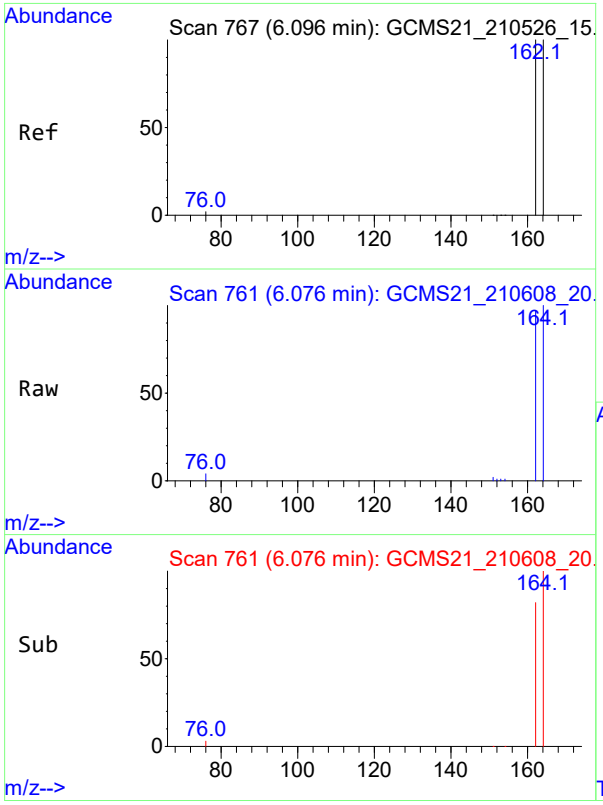


#5
1-Methylnaphthalene
Concen: 245.16 ng/mL
RT: 5.100 min Scan# 446
Delta R.T. 0.003 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:142 Resp: 120545

Ion	Ratio	Lower	Upper
142	100		
141	79.9	61.5	121.5
115	23.3	0.2	60.2

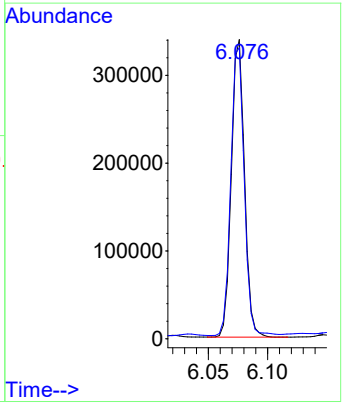


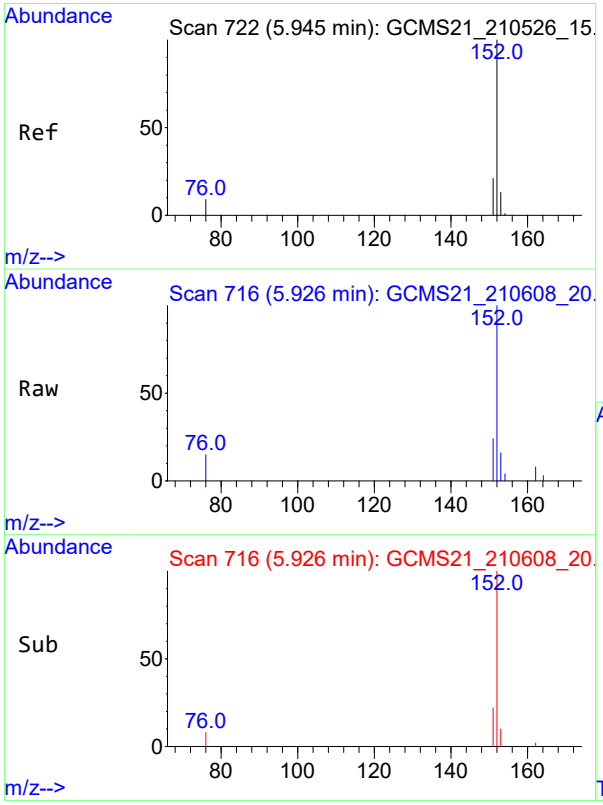


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.076 min Scan# 761
Delta R.T. 0.007 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:164 Resp: 260517

Ion	Ratio	Lower	Upper
164	100		
162	98.9	77.7	117.7

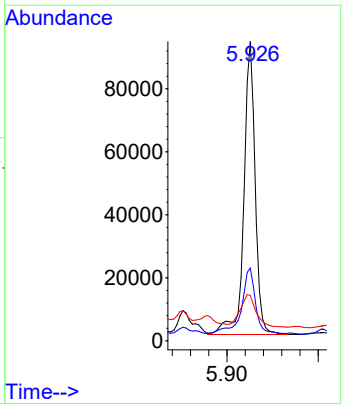


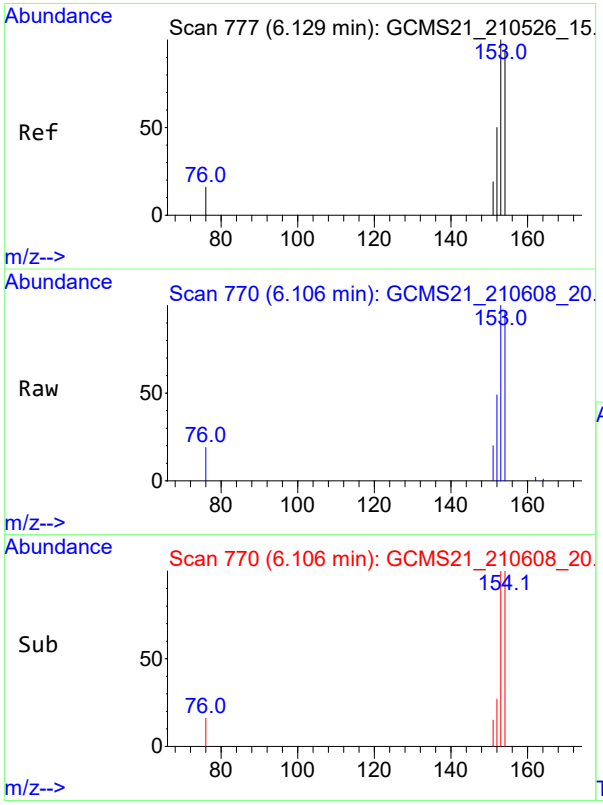


#7
Acenaphthylene
Concen: 92.49 ng/mL
RT: 5.926 min Scan# 716
Delta R.T. 0.010 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:152 Resp: 79971

Ion	Ratio	Lower	Upper
152	100		
151	27.1	0.0	52.0
76	15.5	0.0	39.5

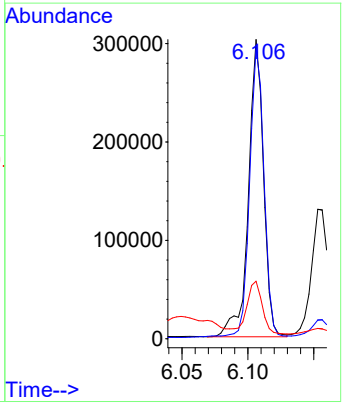


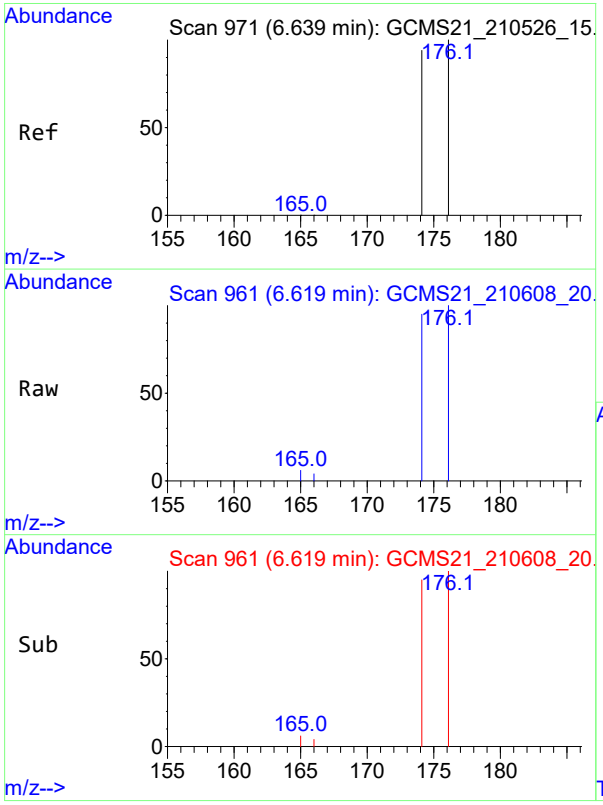


#8
Acenaphthene
Concen: 363.66 ng/mL
RT: 6.106 min Scan# 770
Delta R.T. 0.007 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:153 Resp: 240693

Ion	Ratio	Lower	Upper
153	100		
154	93.3	60.4	120.4
76	18.2	0.0	47.4

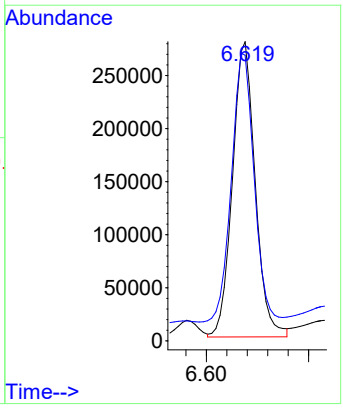


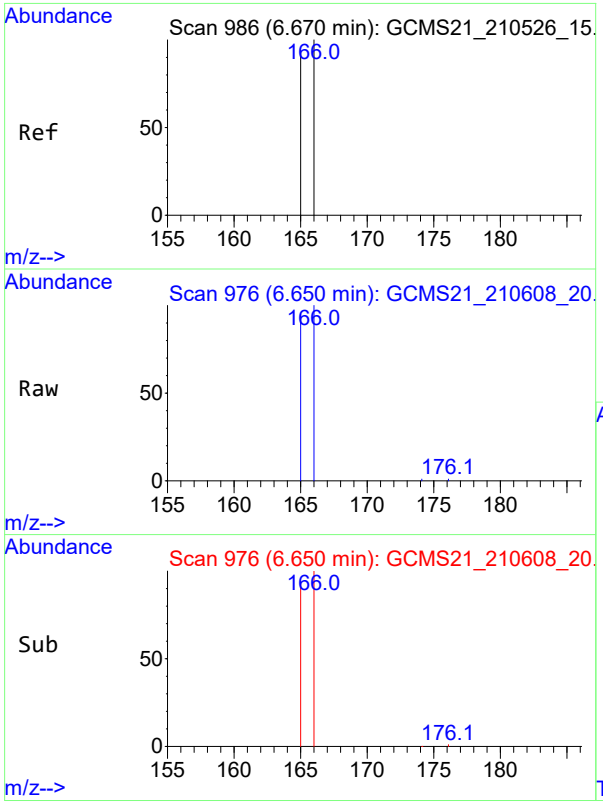


#9
Fluorene-D10
Concen: 344.53 ng/mL
RT: 6.619 min Scan# 961
Delta R.T. 0.008 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:176 Resp: 214889

Ion	Ratio	Lower	Upper
176	100		
174	104.6	63.9	123.9

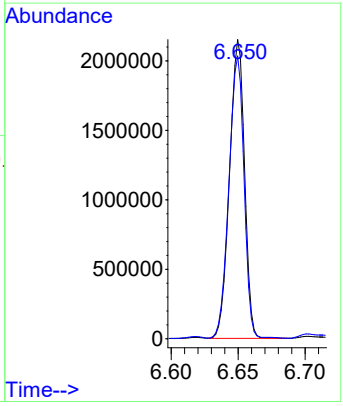


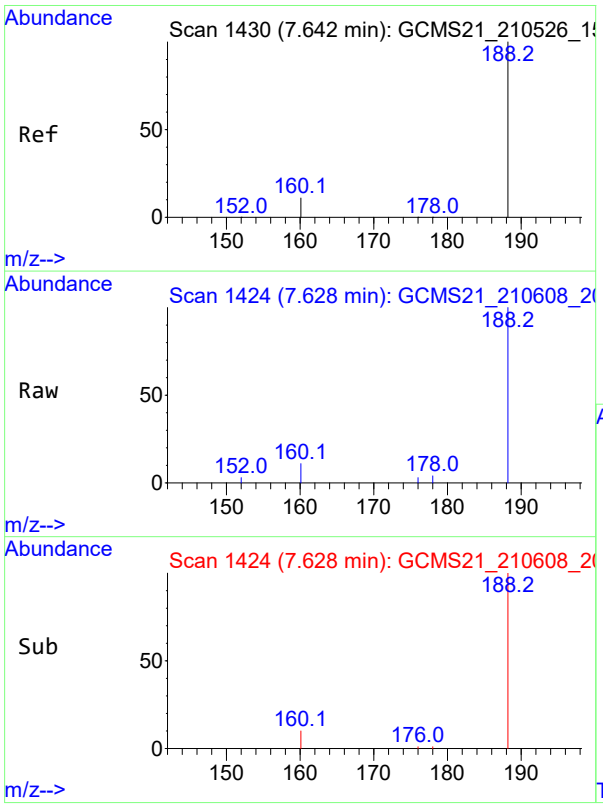


#10
Fluorene
Concen: 2286.98 ng/mL
RT: 6.650 min Scan# 976
Delta R.T. 0.008 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:166 Resp: 1675443

Ion	Ratio	Lower	Upper
166	100		
165	94.8	65.1	125.1

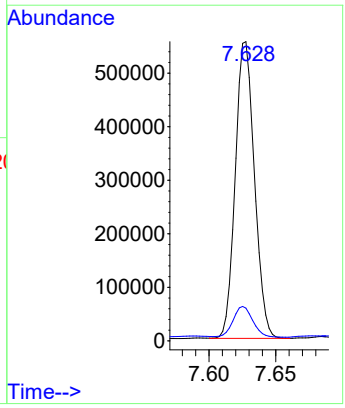


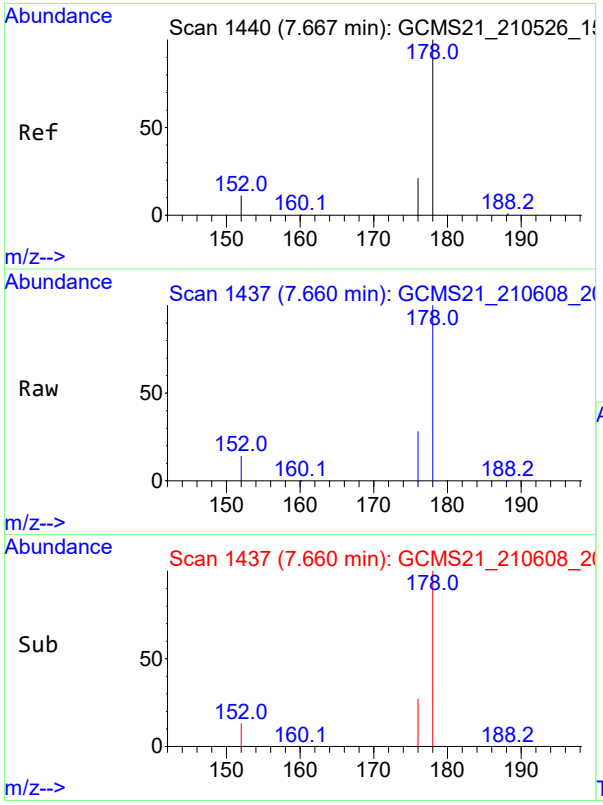


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.628 min Scan# 1424
Delta R.T. 0.013 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:188 Resp: 553483

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	39.8

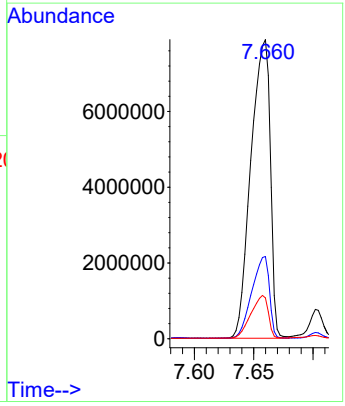


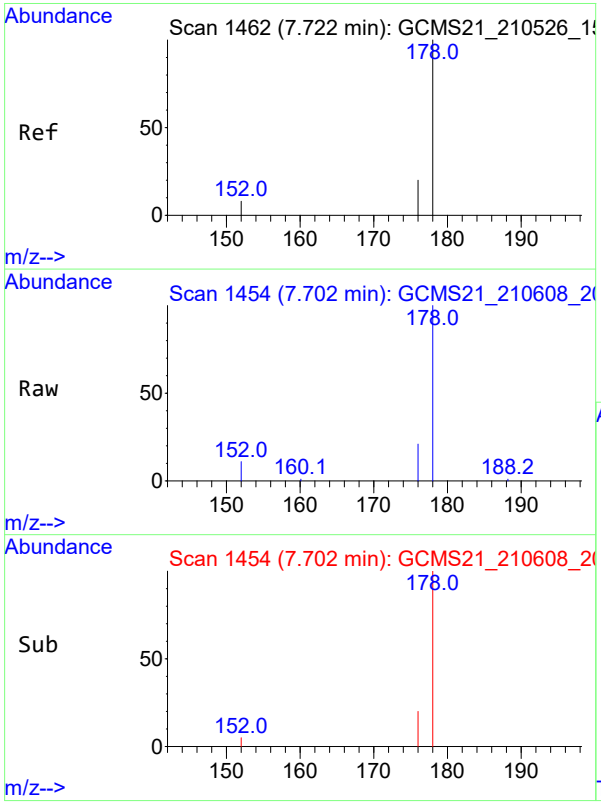


#12
Phenanthrene
Concen: 6681.62 ng/mL
RT: 7.660 min Scan# 1437
Delta R.T. 0.022 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:178 Resp: 8925373

Ion	Ratio	Lower	Upper
178	100		
176	24.9	0.0	51.1
152	12.8	0.0	40.6

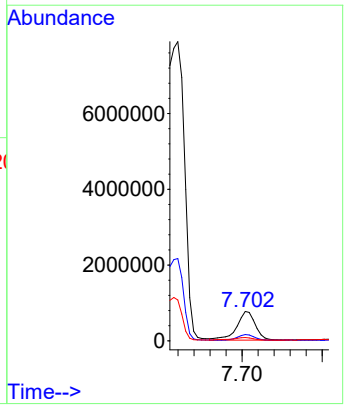


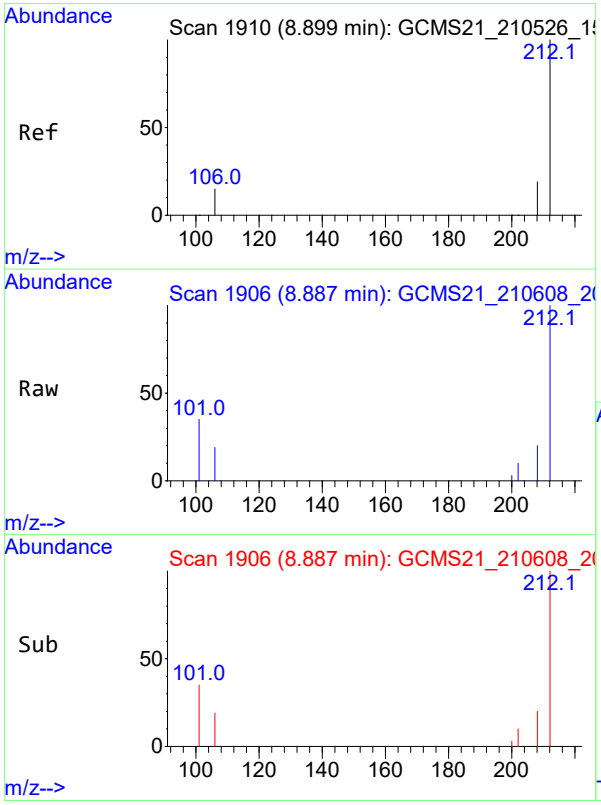


#13
Anthracene
Concen: 552.04 ng/mL
RT: 7.702 min Scan# 1454
Delta R.T. 0.010 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:178 Resp: 613181

Ion	Ratio	Lower	Upper
178	100		
176	18.2	0.0	50.4
152	11.4	0.0	38.3

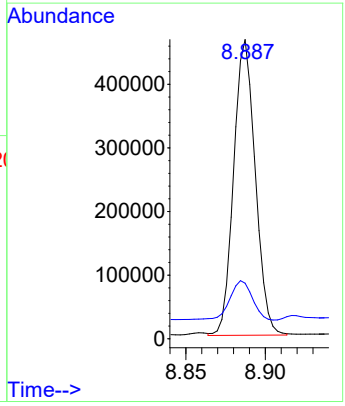


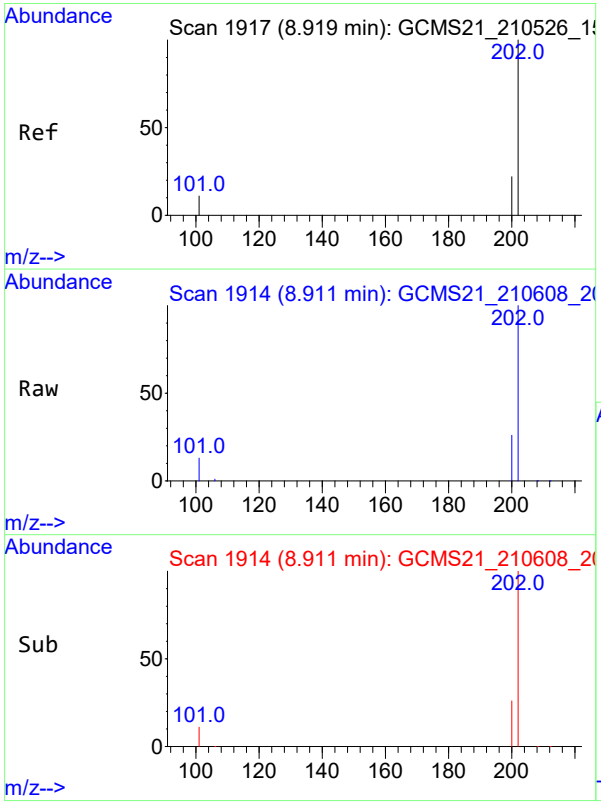


#14
Fluoranthene-D10
Concen: 366.46 ng/mL m
RT: 8.887 min Scan# 1906
Delta R.T. 0.021 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:212 Resp: 439191

Ion	Ratio	Lower	Upper
212	100		
106	13.9	0.0	45.3

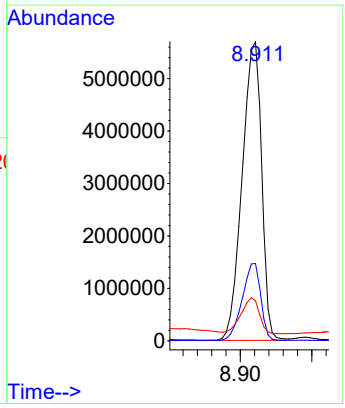


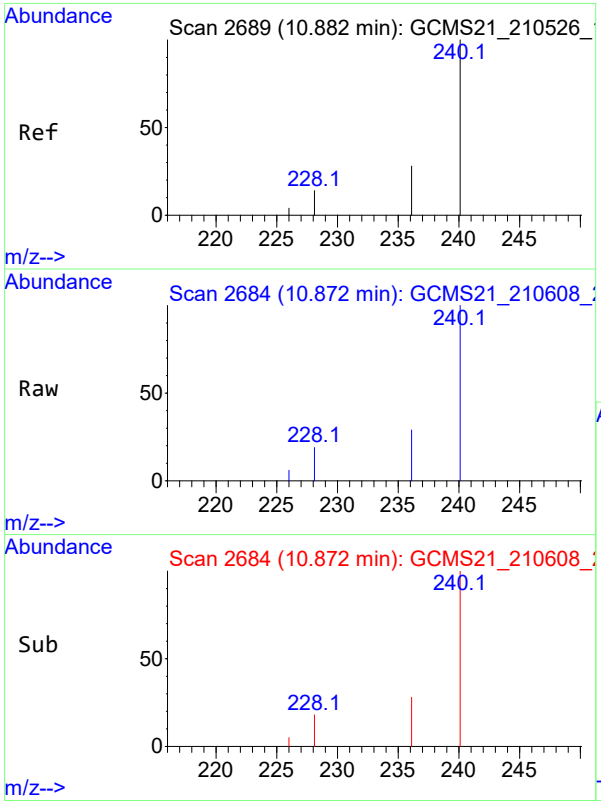


#15
Fluoranthene
Concen: 3814.70 ng/mL
RT: 8.911 min Scan# 1914
Delta R.T. 0.023 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:202 Resp: 5378031

Ion	Ratio	Lower	Upper
202	100		
200	24.6	0.0	53.2
101	11.3	0.0	41.8

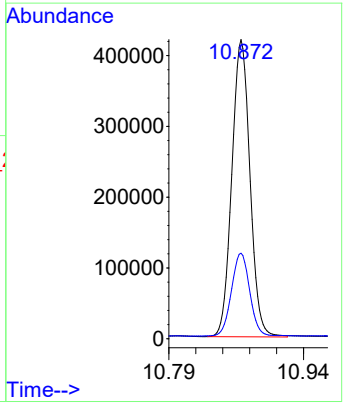


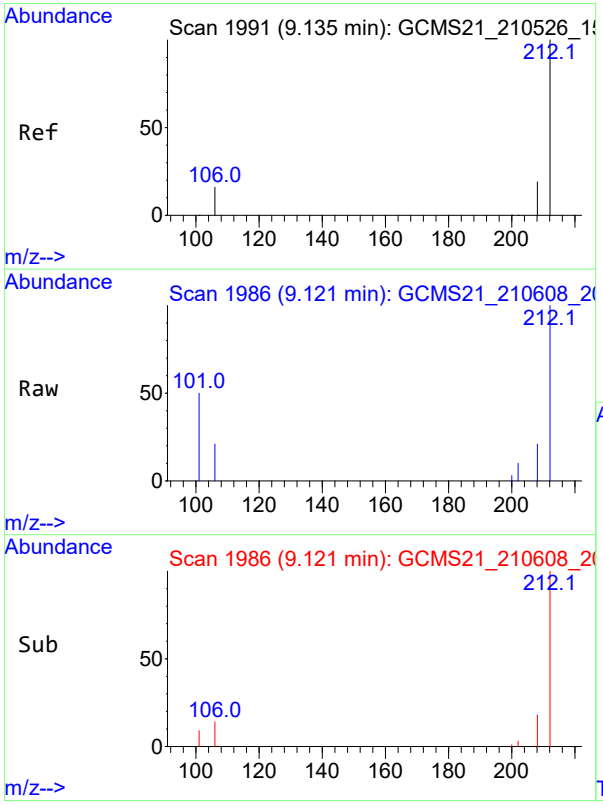


#16
CHRYSENE-D12
Concen: 500.00 ng/mL m
RT: 10.872 min Scan# 2684
Delta R.T. 0.035 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:240 Resp: 583441

Ion	Ratio	Lower	Upper
240	100		
236	27.8	0.0	58.6

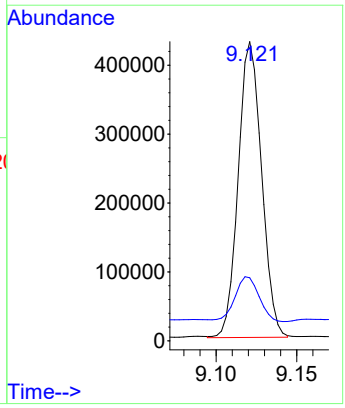


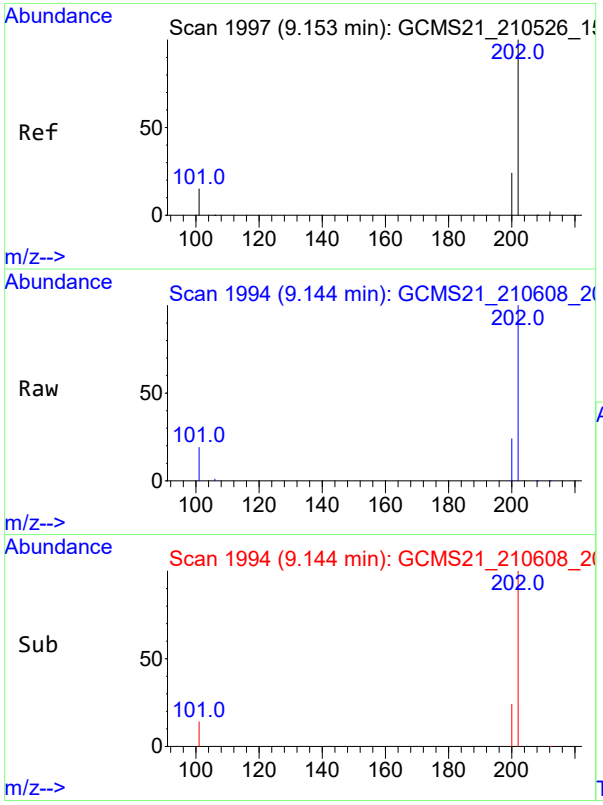


#17
Pyrene-D10
Concen: 324.87 ng/mL m
RT: 9.121 min Scan# 1986
Delta R.T. 0.018 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:212 Resp: 432460

Ion	Ratio	Lower	Upper
212	100		
106	15.2	0.0	45.8

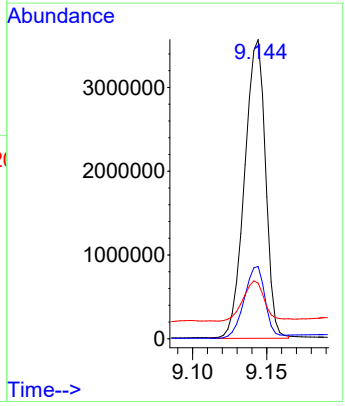


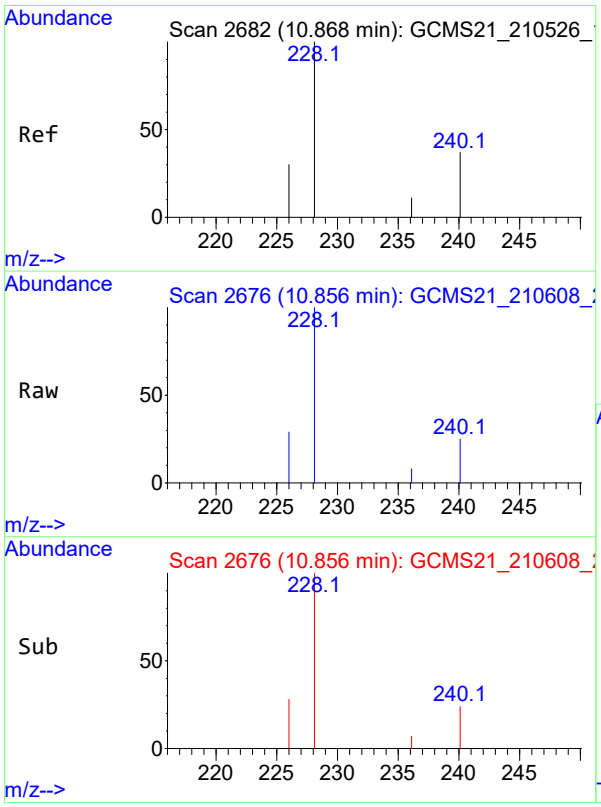


#18
Pyrene
Concen: 2246.82 ng/mL m
RT: 9.144 min Scan# 1994
Delta R.T. 0.023 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:202 Resp: 3493745

Ion	Ratio	Lower	Upper
202	100		
200	23.5	0.0	54.2
101	16.8	0.0	44.6

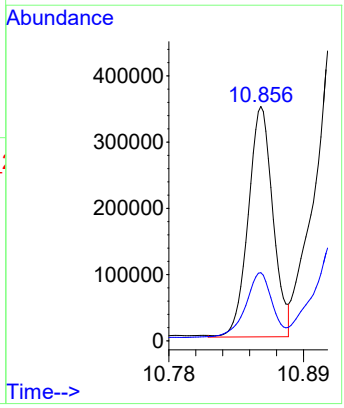


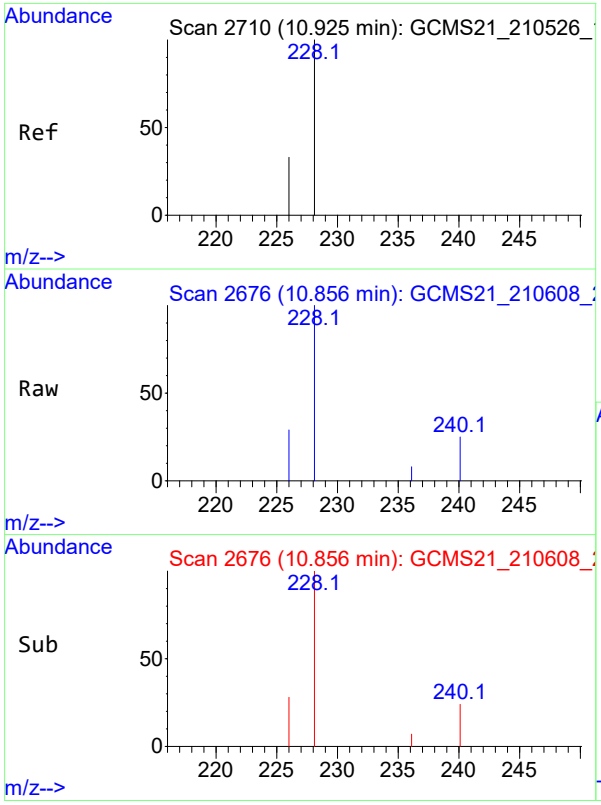


#19
Benzo(a)anthracene
Concen: 414.69 ng/mL m
RT: 10.856 min Scan# 2676
Delta R.T. 0.035 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:228 Resp: 486644

Ion	Ratio	Lower	Upper
228	100		
226	0.0	0.0	59.9

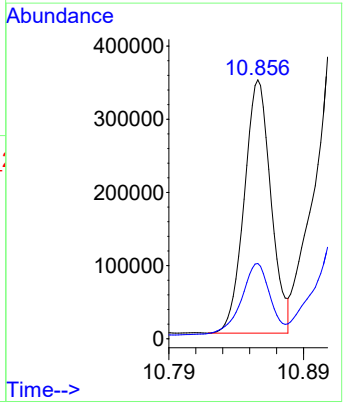


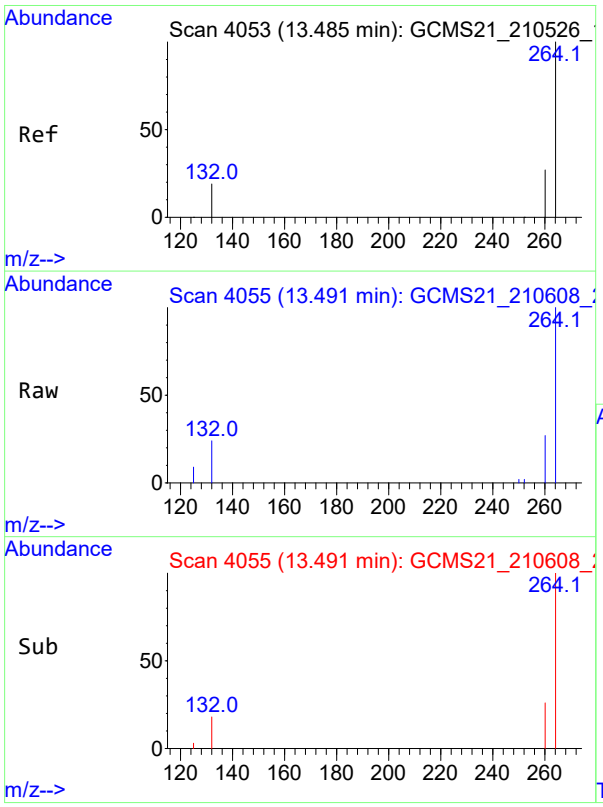


#20
Chrysene
Concen: 331.12 ng/mL
RT: 10.856 min Scan# 2676
Delta R.T. -0.022 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:228 Resp: 479736

Ion	Ratio	Lower	Upper
228	100		
226	30.6	2.8	62.8

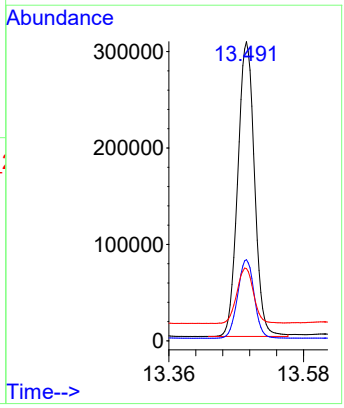


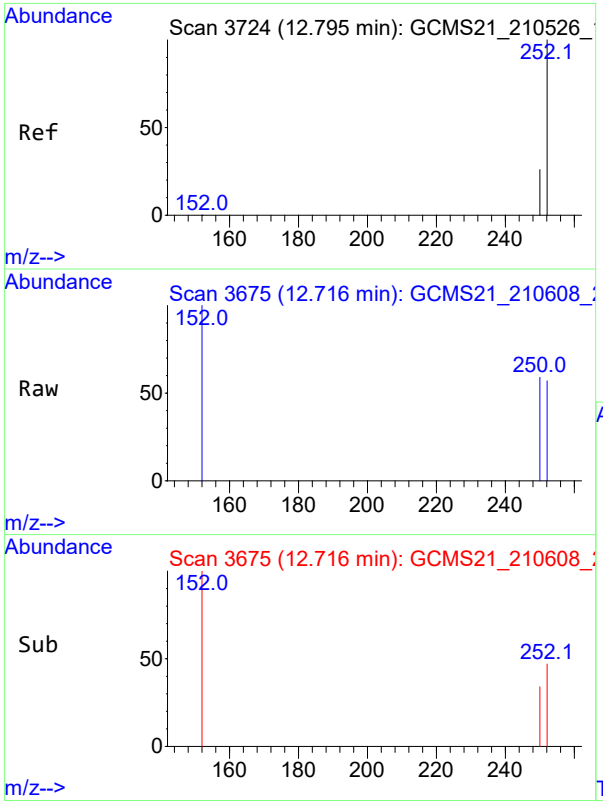


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.491 min Scan# 4055
Delta R.T. 0.062 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:264 Resp: 574747

Ion	Ratio	Lower	Upper
264	100		
260	26.5	0.0	57.5
132	18.8	0.0	49.5

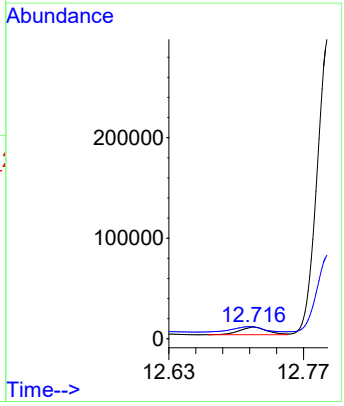


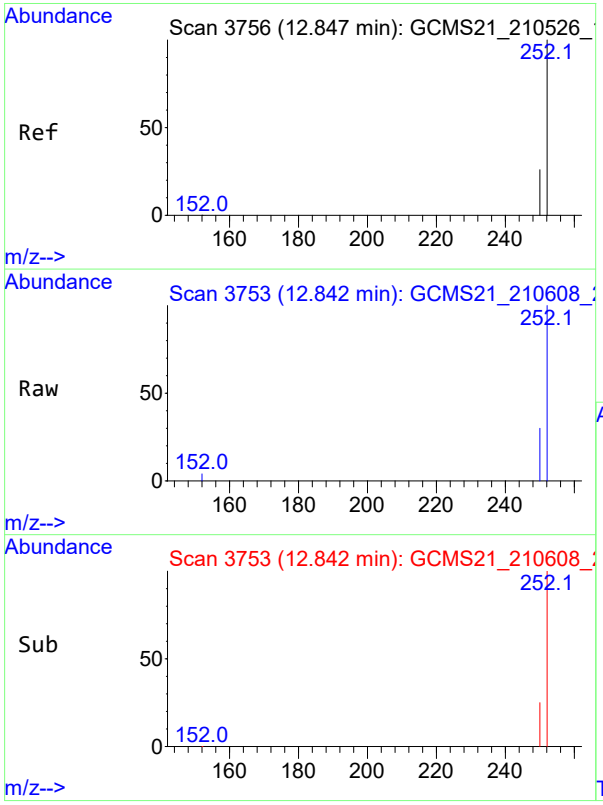


#22
Benzo(b)fluoranthene
Concen: 12.65 ng/mL
RT: 12.716 min Scan# 3675
Delta R.T. -0.026 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 15093

Ion	Ratio	Lower	Upper
252	100		
250	78.4	0.0	56.2#

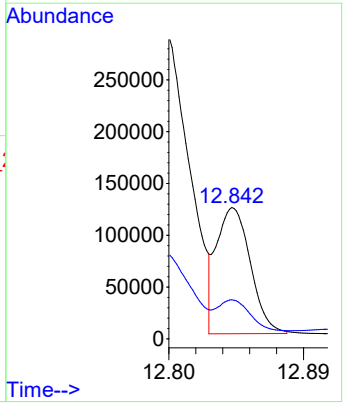


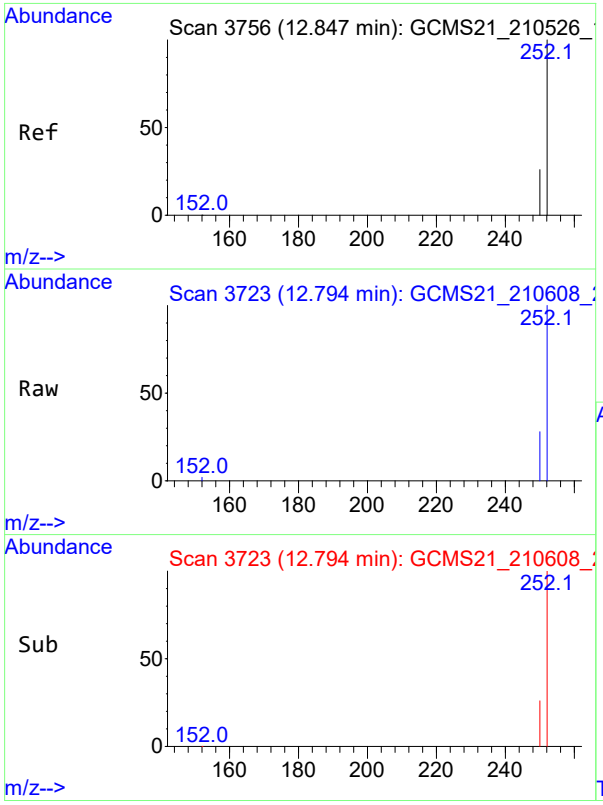


#23
Benzo(k)fluoranthene
Concen: 154.50 ng/mL m
RT: 12.842 min Scan# 3753
Delta R.T. 0.047 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 204280

Ion	Ratio	Lower	Upper
252	100		
250	80.2	0.0	55.6#

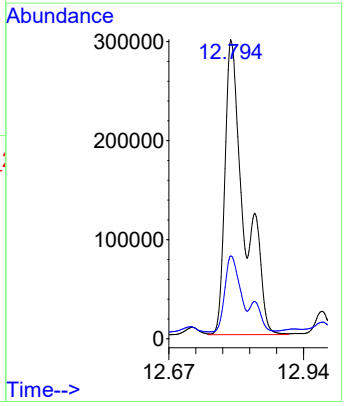


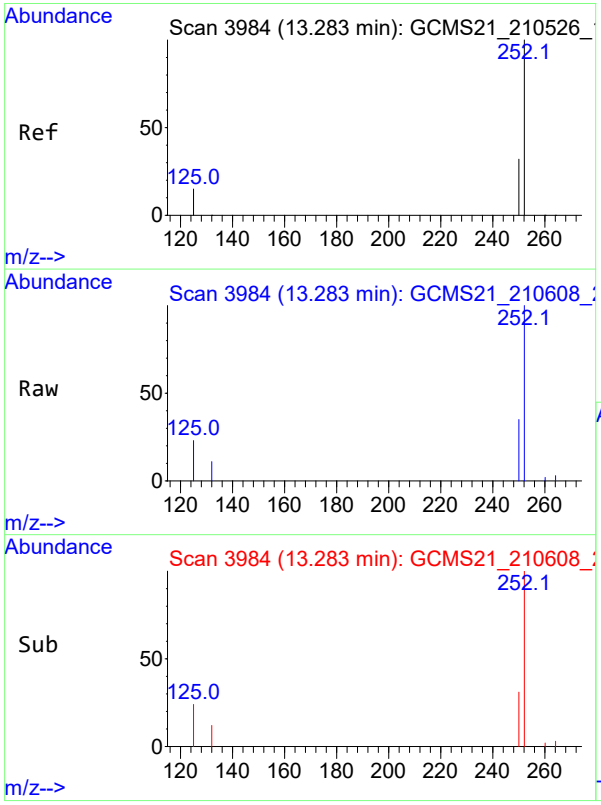


#24
benzo(b+k)fluoranthene (sum)
Concen: 631.86 ng/mL m
RT: 12.794 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 819092

Ion	Ratio	Lower	Upper
252	100		
250	20.3	0.0	55.6

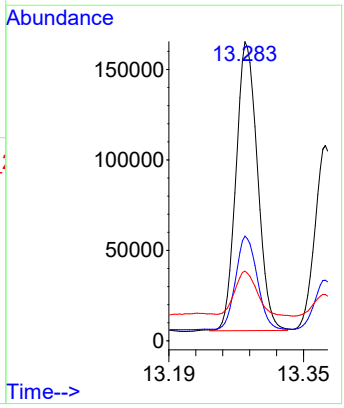


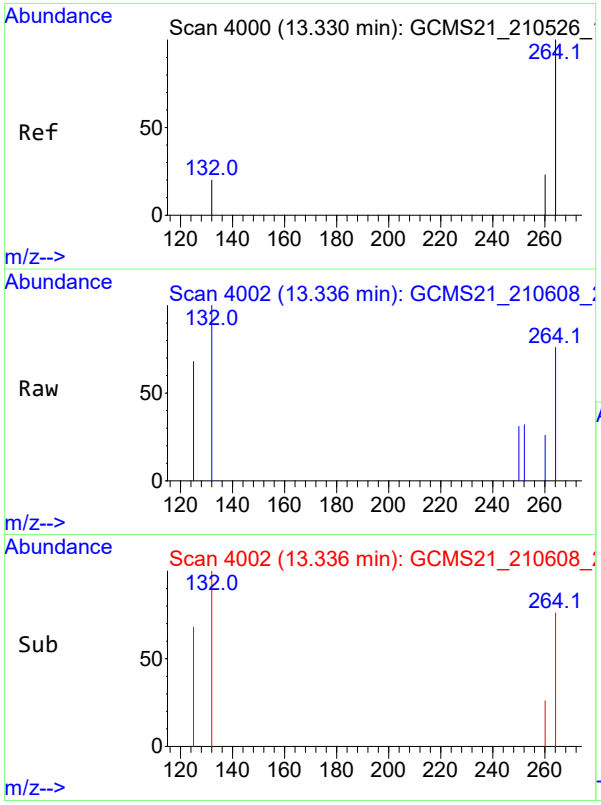


#25
Benzo(e)pyrene
Concen: 230.11 ng/mL m
RT: 13.283 min Scan# 3984
Delta R.T. 0.053 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 276895

Ion	Ratio	Lower	Upper
252	100		
250	36.2	2.3	62.3
125	16.1	0.0	46.1

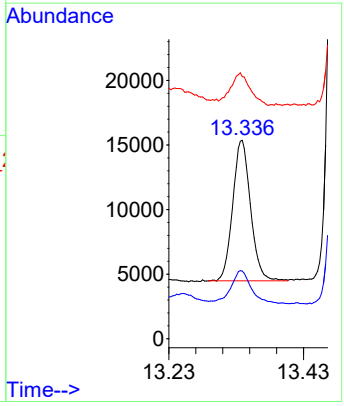


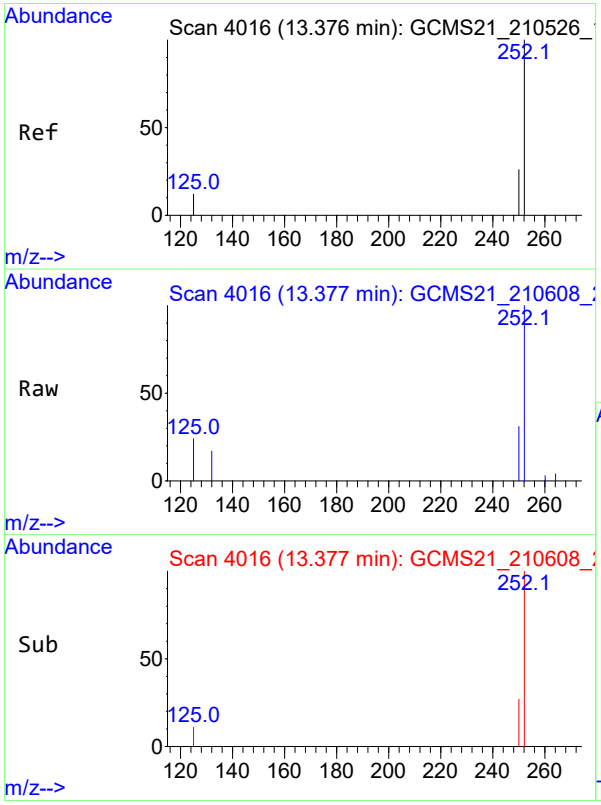


#26
Benzo(a)pyrene-D12
Concen: 21.25 ng/mL
RT: 13.336 min Scan# 4002
Delta R.T. 0.059 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:264 Resp: 19847

Ion	Ratio	Lower	Upper
264	100		
260	40.3	0.0	53.0
132	25.0	0.0	49.8

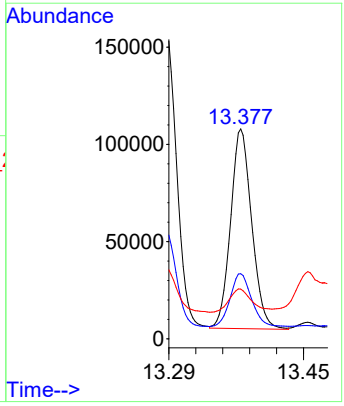


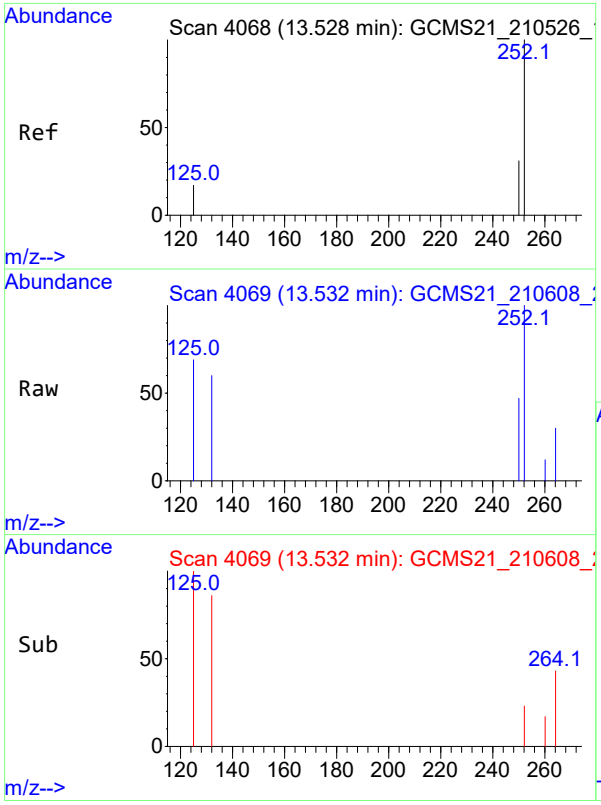


#27
Benzo(a)pyrene
Concen: 168.75 ng/mL m
RT: 13.377 min Scan# 4016
Delta R.T. 0.056 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 183741

Ion	Ratio	Lower	Upper
252	100		
250	27.1	0.0	56.6
125	13.7	0.0	42.1

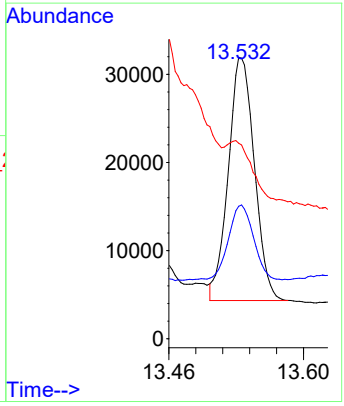


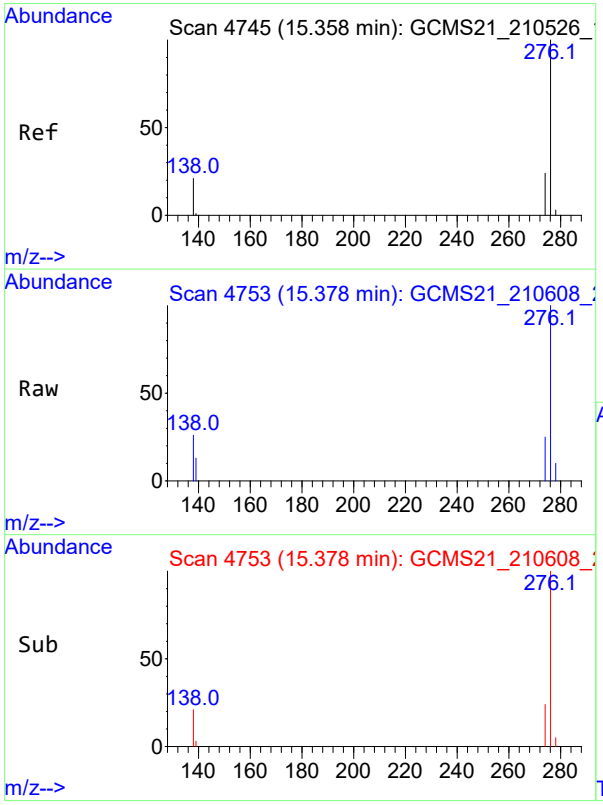


#28
Perylene
Concen: 41.33 ng/mL m
RT: 13.532 min Scan# 4069
Delta R.T. 0.056 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 50540

Ion	Ratio	Lower	Upper
252	100		
250	29.9	1.2	61.2
125	35.8	0.0	46.7

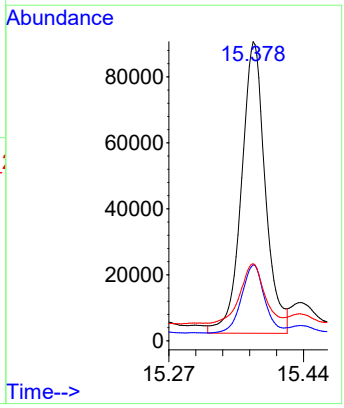


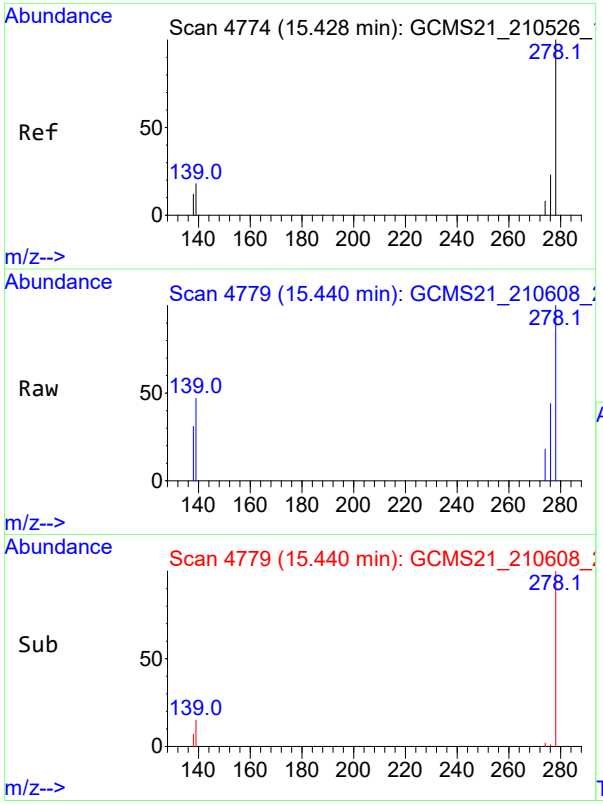


#29
Indeno(1,2,3-cd)pyrene
Concen: 199.55 ng/mL m
RT: 15.378 min Scan# 4753
Delta R.T. 0.077 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:276 Resp: 185919

Ion	Ratio	Lower	Upper
276	100		
274	25.8	0.0	53.4
138	23.9	0.0	51.2

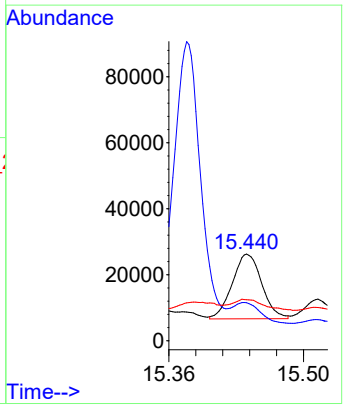


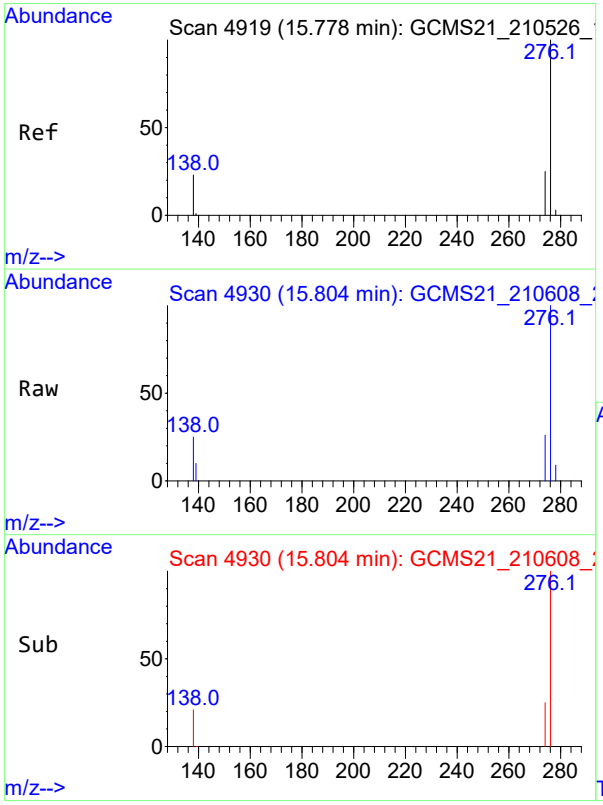


#30
Dibenz(a,h)anthracene
Concen: 45.24 ng/mL m
RT: 15.440 min Scan# 4779
Delta R.T. 0.068 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:278 Resp: 42011

Ion	Ratio	Lower	Upper
278	100		
276	38.1	0.0	58.4
139	23.6	0.0	47.7

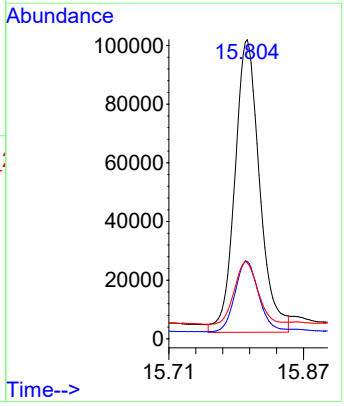




#31
Benzo(g,h,i)perylene
Concen: 174.83 ng/mL m
RT: 15.804 min Scan# 4930
Delta R.T. 0.080 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:276 Resp: 211642

Ion	Ratio	Lower	Upper
276	100		
274	23.4	0.0	54.3
138	22.0	0.0	53.0



Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_20.D
Acq On : 08 Jun 2021 16:37
Operator : MN GCMS21
Sample : 2105001-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 10:52:21 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

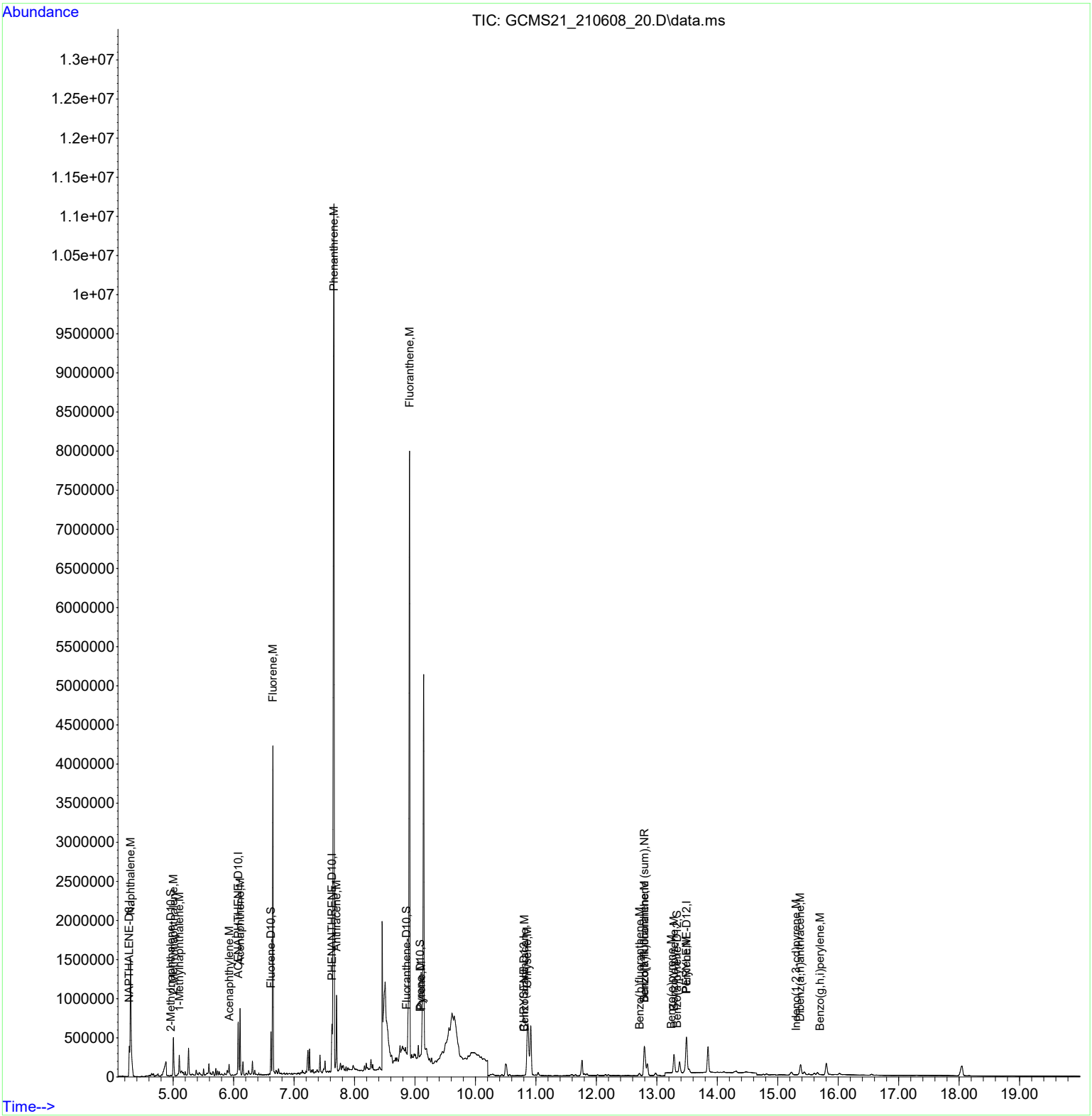
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	4.276	136	417755	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.076	164	260517	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	7.628	188	553483	500.00	ng/mL	0.01
16) CHRYSENE-D12	10.803	240	2792	500.00	ng/mL	#-0.03
21) PERYLENE-D12	13.491	264	574747	500.00	ng/mL	0.06
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	4.961	152	1134	2.16	ng/mL	0.00
9) Fluorene-D10	6.619	176	214889	344.53	ng/mL	0.00
14) Fluoranthene-D10	8.858	212	6606	5.51	ng/mL	0.00
17) Pyrene-D10	9.089	212	1185	186.02	ng/mL	-0.01
26) Benzo(a)pyrene-D12	13.336	264	19847	21.25	ng/mL	0.06
Target Compounds						Qvalue
2) Naphthalene	4.296	128	1457659	1818.54	ng/mL	99
4) 2-Methylnaphthalene	5.004	142	216187	366.22	ng/mL	96
5) 1-Methylnaphthalene	5.100	142	120545	245.16	ng/mL	88
7) Acenaphthylene	5.926	152	79971	92.49	ng/mL	88
8) Acenaphthene	6.106	153	240693	363.66	ng/mL	97
10) Fluorene	6.650	166	1675443	2286.98	ng/mL	100
12) Phenanthrene	7.660	178	8925373	6681.62	ng/mL	93
13) Anthracene	7.702	178	613181	552.04	ng/mL	94
15) Fluoranthene	8.911	202	5378031	3814.70	ng/mL	98
18) Pyrene	9.103	202	2841	381.80	ng/mL#	1
19) Benzo(a)anthracene	10.809	228	3147	560.38	ng/mL#	45
20) Chrysene	10.856	228	479736	69193.33	ng/mL	96
22) Benzo(b)fluoranthene	12.716	252	15093	12.65	ng/mL#	1
23) Benzo(k)fluoranthene	12.794	252	615426	465.46	ng/mL	98
24) benzo(b+k)fluoranthene...	12.794	252	615390	474.72	ng/mL	97
25) Benzo(e)pyrene	13.239	252	2807	2.33	ng/mL#	1
27) Benzo(a)pyrene	13.283	252	278090	255.41	ng/mL	89
28) Perylene	13.488	252	2021	1.65	ng/mL#	50
29) Indeno(1,2,3-cd)pyrene	15.303	276	154	0.17	ng/mL#	1
30) Dibenz(a,h)anthracene	15.373	278	1631	1.76	ng/mL#	1
31) Benzo(g,h,i)perylene	15.698	276	842	0.70	ng/mL	71

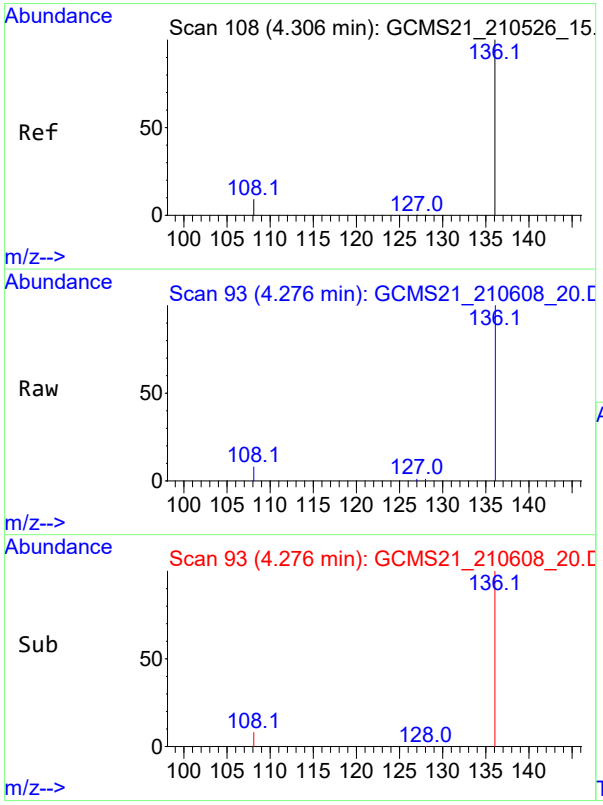
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210608__WO05008_29_30_35\
Data File : GCMS21_210608_20.D
Acq On : 08 Jun 2021 16:37
Operator : MN GCMS21
Sample : 2105001-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 10:52:21 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration

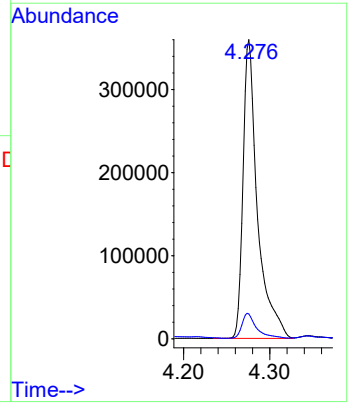


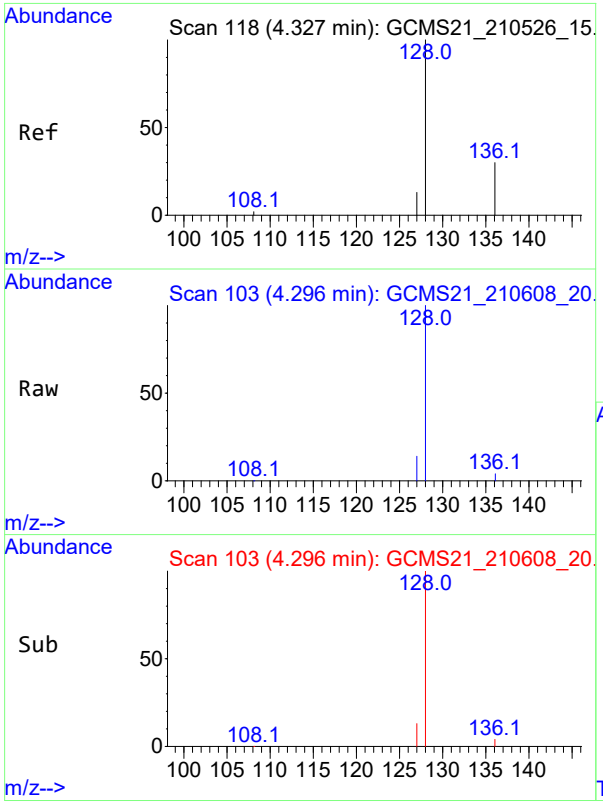


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 4.276 min Scan# 93
Delta R.T. 0.000 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:136 Resp: 417755

Ion	Ratio	Lower	Upper
136	100		
108	8.3	0.0	28.3

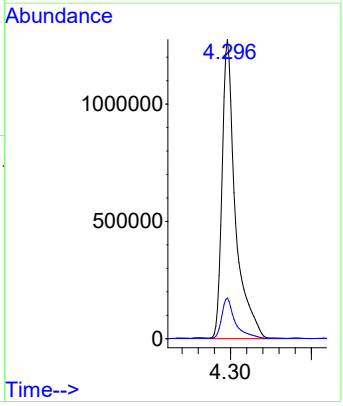


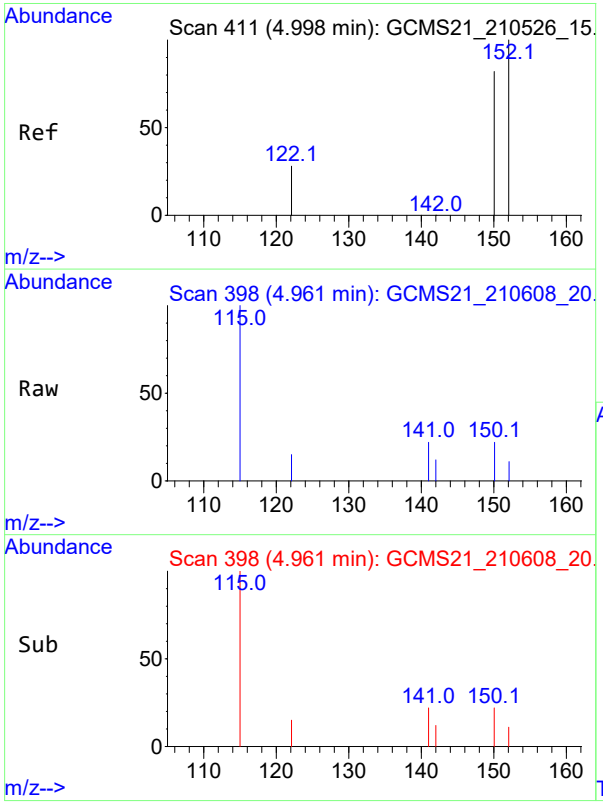


#2
Naphthalene
Concen: 1818.54 ng/mL
RT: 4.296 min Scan# 103
Delta R.T. 0.000 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:128 Resp: 1457659

Ion	Ratio	Lower	Upper
128	100		
127	13.6	0.0	43.3

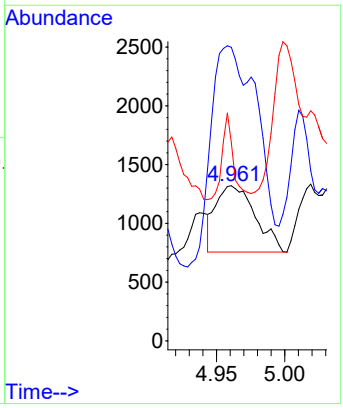


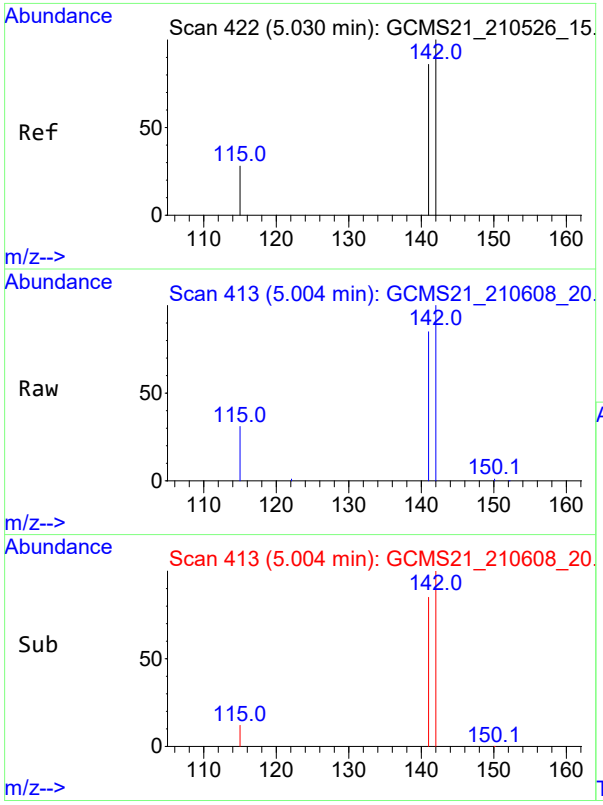


#3
2-Methylnaphthalene-D10
Concen: 2.16 ng/mL
RT: 4.961 min Scan# 398
Delta R.T. -0.009 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:152 Resp: 1134

Ion	Ratio	Lower	Upper
152	100		
150	258.4	52.3	112.3#
122	37.2	0.0	57.5

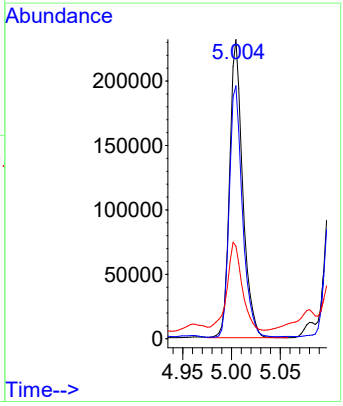


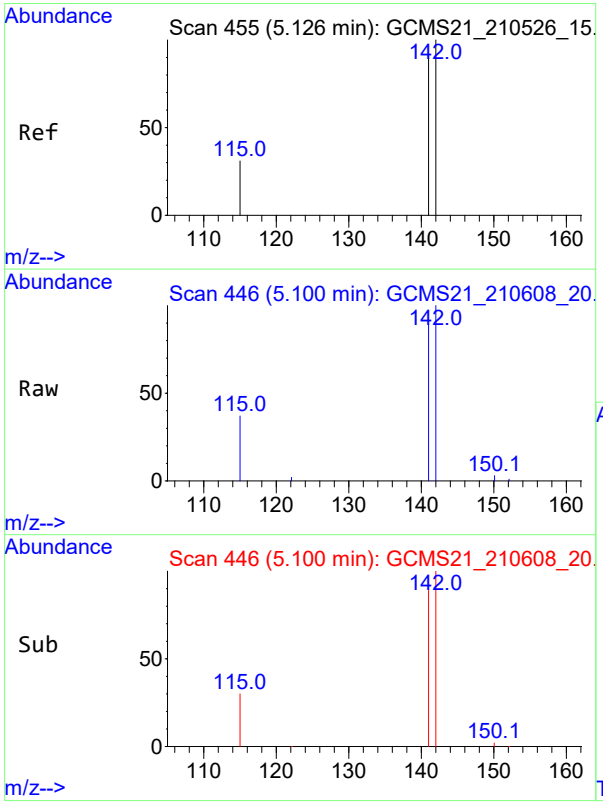


#4
2-Methylnaphthalene
Concen: 366.22 ng/mL
RT: 5.004 min Scan# 413
Delta R.T. 0.003 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:142 Resp: 216187

Ion	Ratio	Lower	Upper
142	100		
141	84.8	56.3	116.3
115	33.8	0.0	57.4

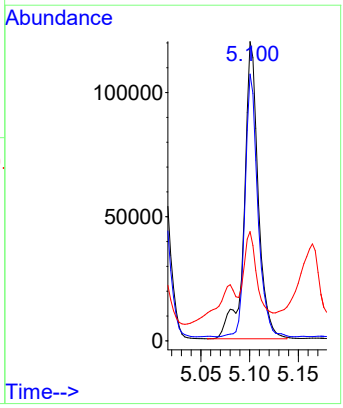


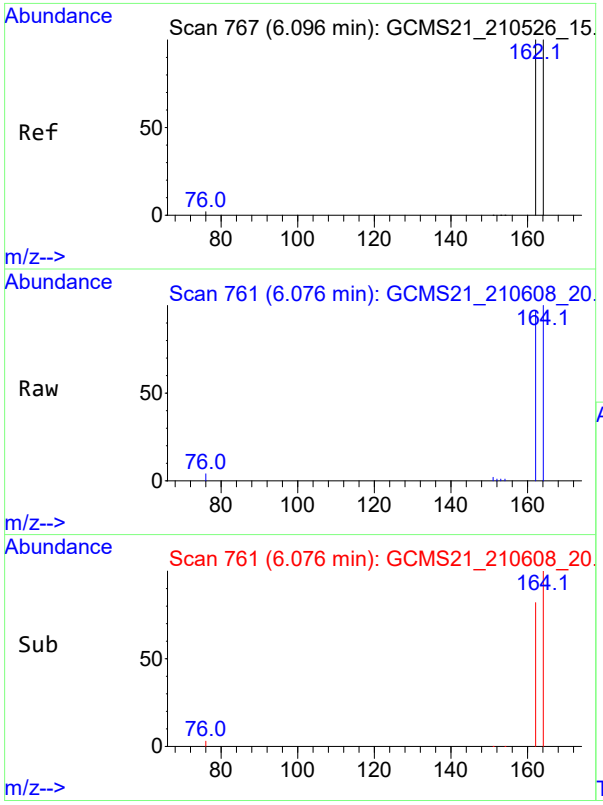


#5
1-Methylnaphthalene
Concen: 245.16 ng/mL
RT: 5.100 min Scan# 446
Delta R.T. 0.003 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:142 Resp: 120545

Ion	Ratio	Lower	Upper
142	100		
141	79.9	61.5	121.5
115	23.3	0.2	60.2

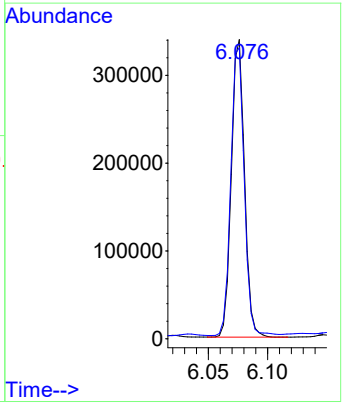


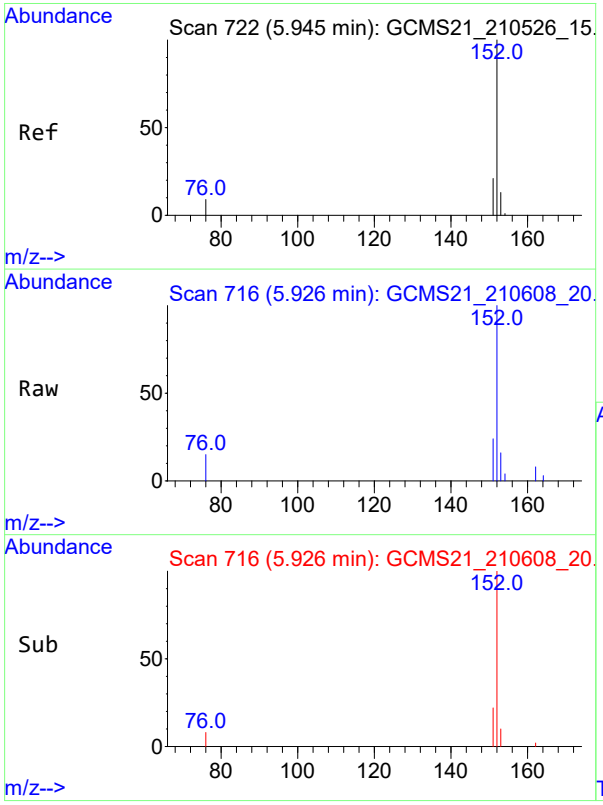


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.076 min Scan# 761
Delta R.T. 0.007 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:164 Resp: 260517

Ion	Ratio	Lower	Upper
164	100		
162	98.9	77.7	117.7

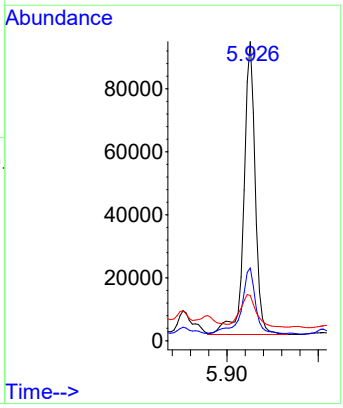


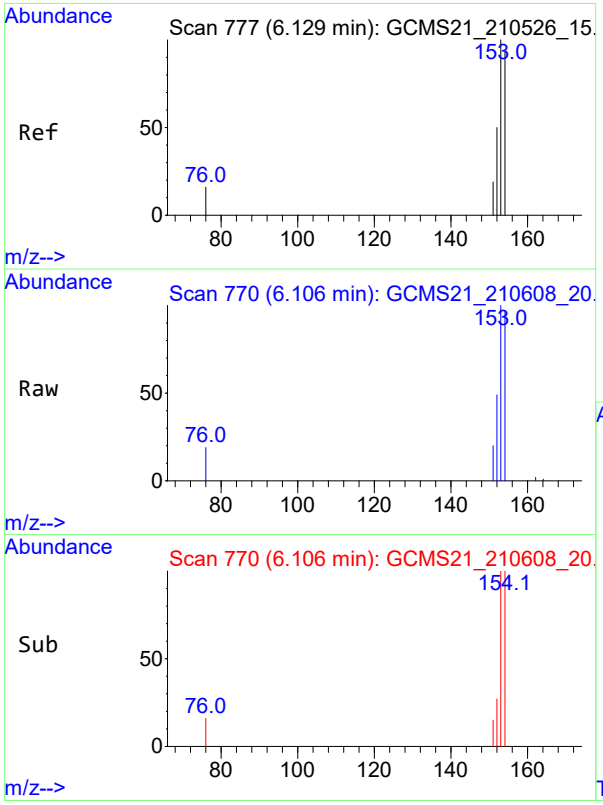


#7
Acenaphthylene
Concen: 92.49 ng/mL
RT: 5.926 min Scan# 716
Delta R.T. 0.010 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:152 Resp: 79971

Ion	Ratio	Lower	Upper
152	100		
151	27.1	0.0	52.0
76	15.5	0.0	39.5

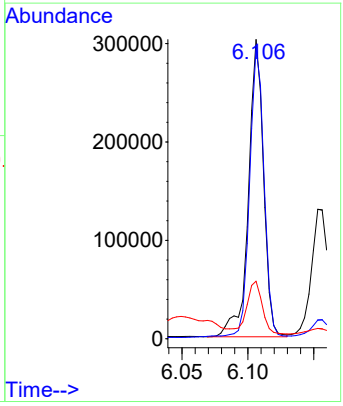


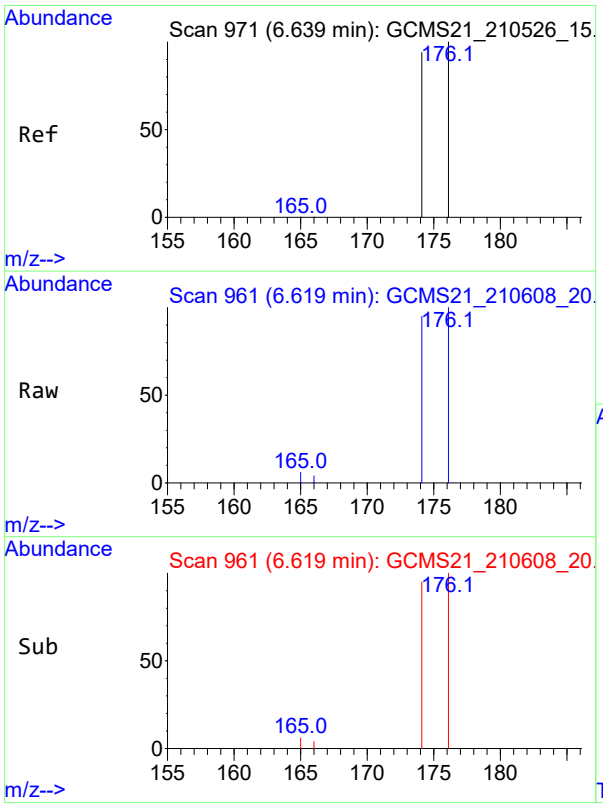


#8
Acenaphthene
Concen: 363.66 ng/mL
RT: 6.106 min Scan# 770
Delta R.T. 0.007 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:153 Resp: 240693

Ion	Ratio	Lower	Upper
153	100		
154	93.3	60.4	120.4
76	18.2	0.0	47.4

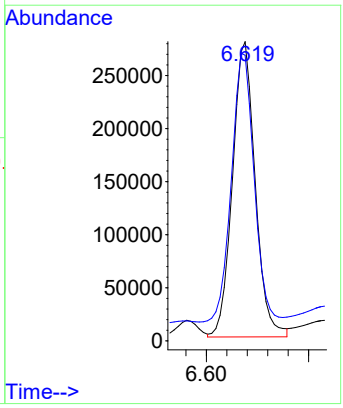


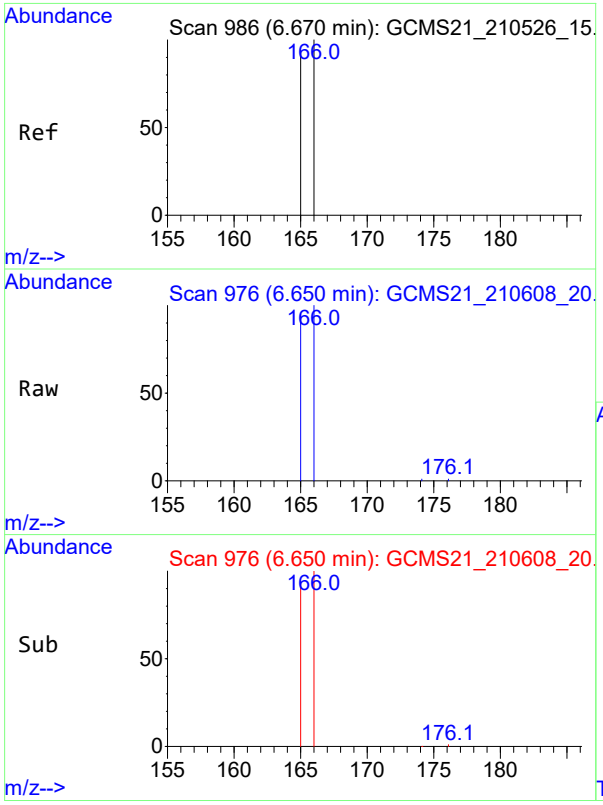


#9
Fluorene-D10
Concen: 344.53 ng/mL
RT: 6.619 min Scan# 961
Delta R.T. 0.008 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:176 Resp: 214889

Ion	Ratio	Lower	Upper
176	100		
174	104.6	63.9	123.9

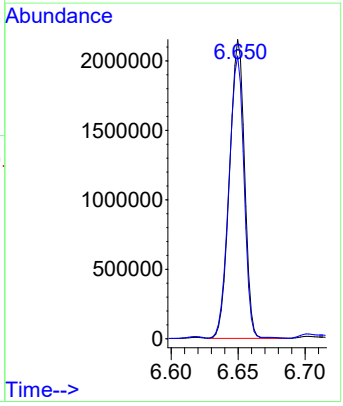


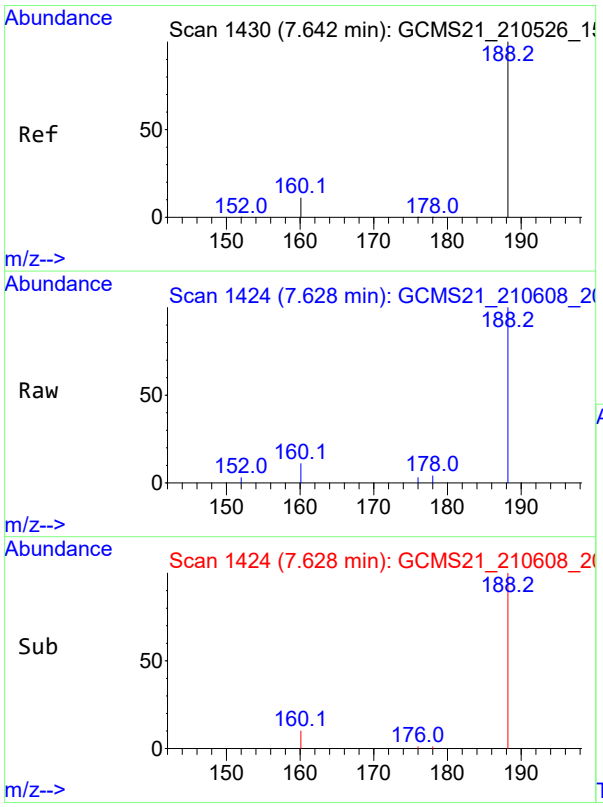


#10
Fluorene
Concen: 2286.98 ng/mL
RT: 6.650 min Scan# 976
Delta R.T. 0.008 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:166 Resp: 1675443

Ion	Ratio	Lower	Upper
166	100		
165	94.8	65.1	125.1

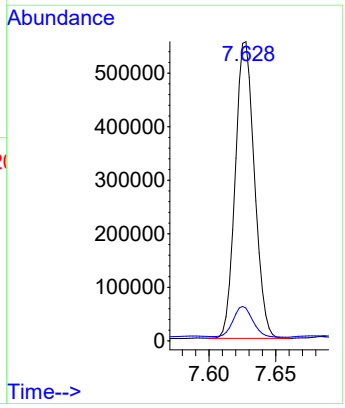


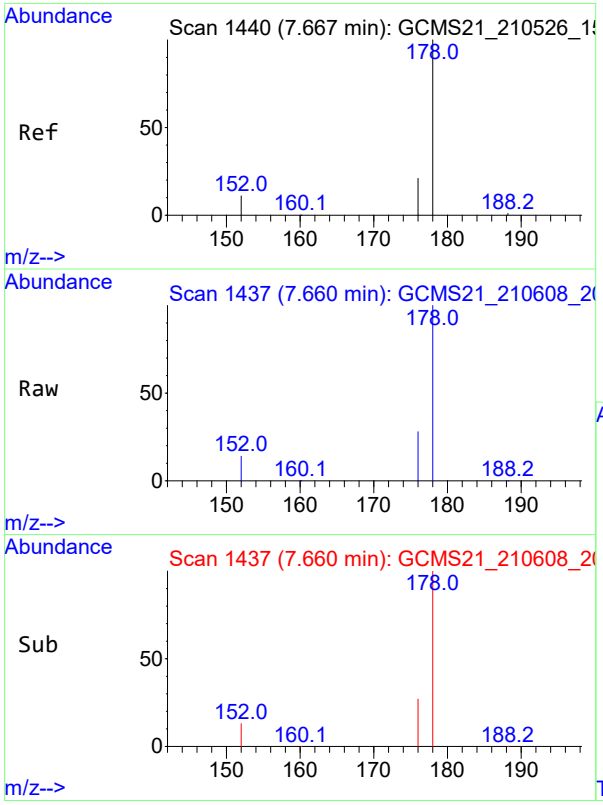


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 7.628 min Scan# 1424
Delta R.T. 0.013 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:188 Resp: 553483

Ion	Ratio	Lower	Upper
188	100		
160	10.6	0.0	39.8

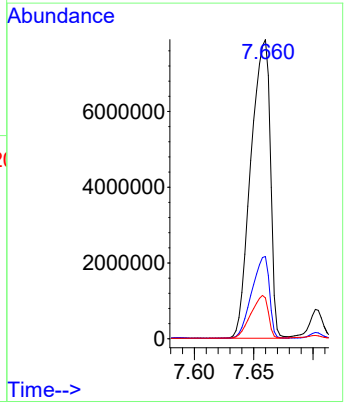


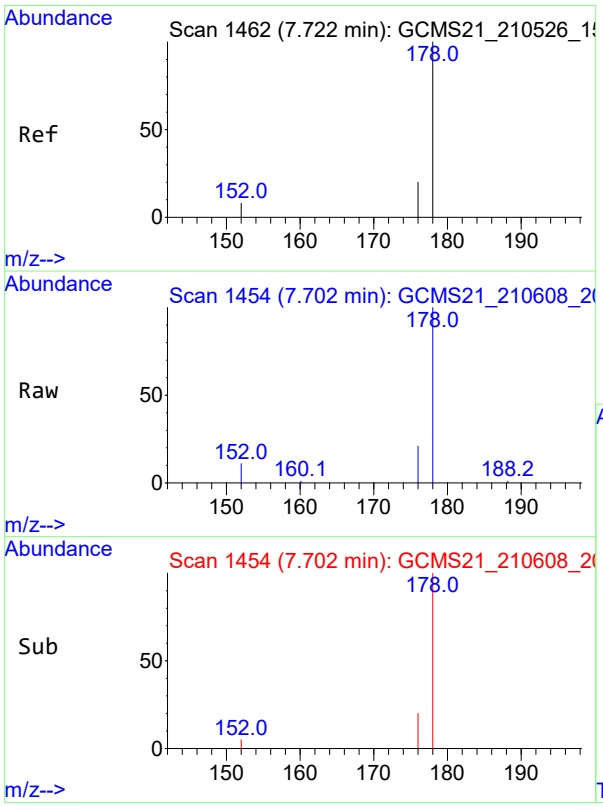


#12
Phenanthrene
Concen: 6681.62 ng/mL
RT: 7.660 min Scan# 1437
Delta R.T. 0.022 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:178 Resp: 8925373

Ion	Ratio	Lower	Upper
178	100		
176	24.9	0.0	51.1
152	12.8	0.0	40.6

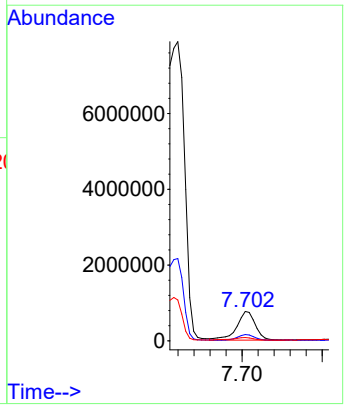


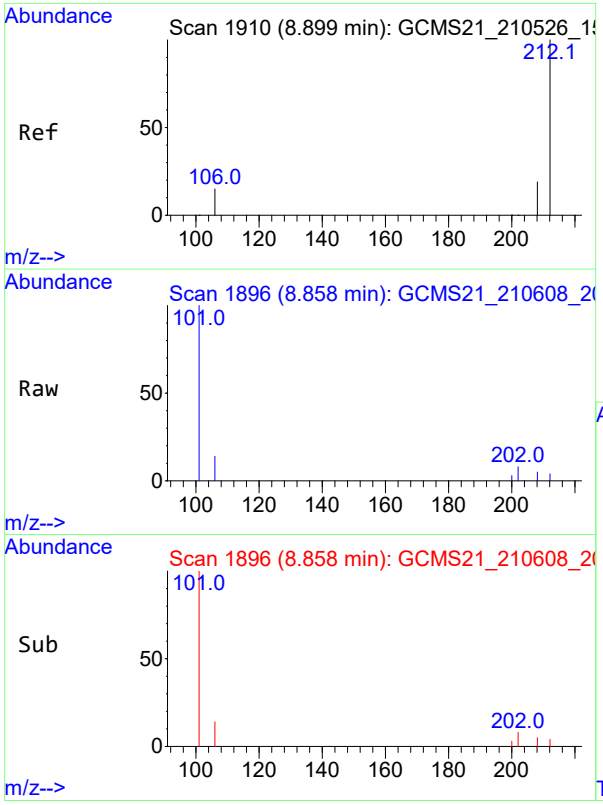


#13
Anthracene
Concen: 552.04 ng/mL
RT: 7.702 min Scan# 1454
Delta R.T. 0.010 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:178 Resp: 613181

Ion	Ratio	Lower	Upper
178	100		
176	18.2	0.0	50.4
152	11.4	0.0	38.3

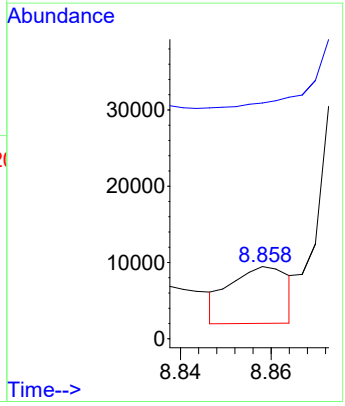


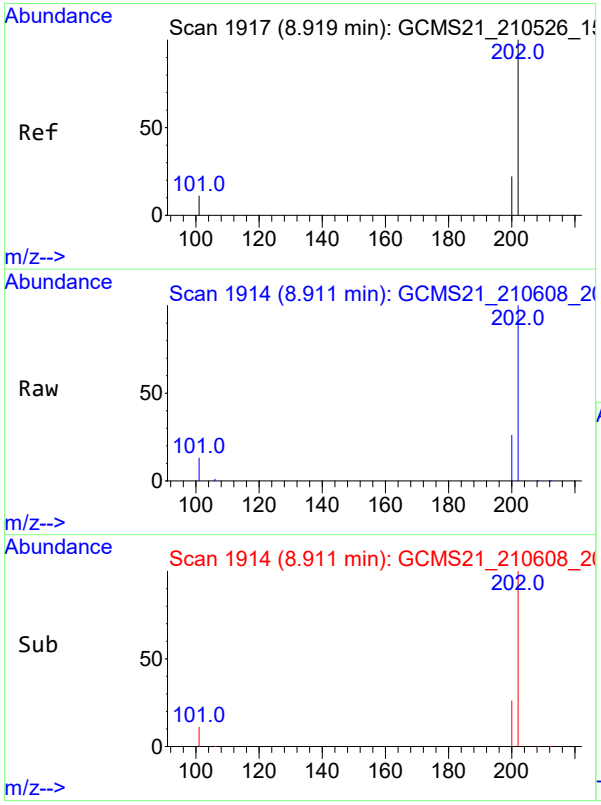


#14
Fluoranthene-D10
Concen: 5.51 ng/mL
RT: 8.858 min Scan# 1896
Delta R.T. -0.009 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:212 Resp: 6606

Ion	Ratio	Lower	Upper
212	100		
106	0.0	0.0	45.3

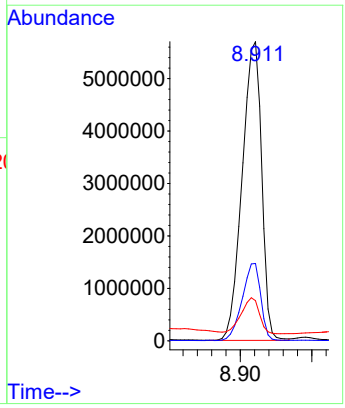


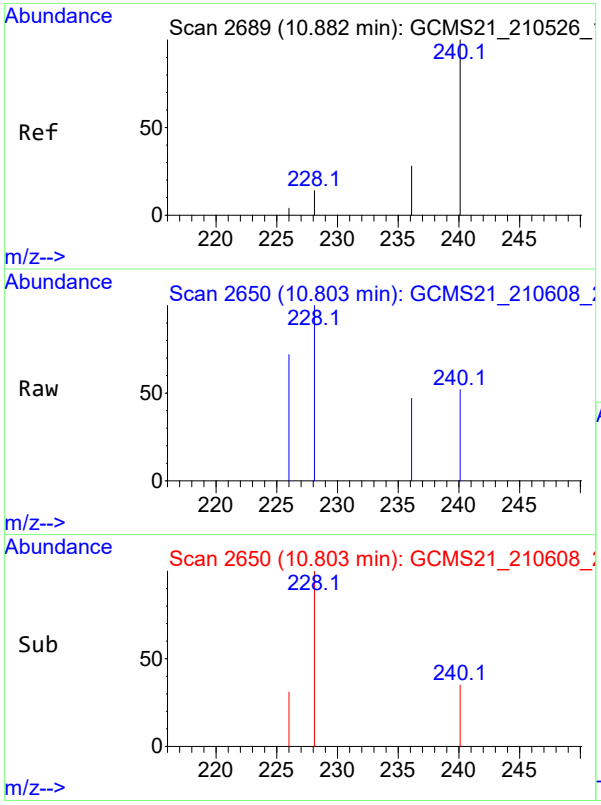


#15
Fluoranthene
Concen: 3814.70 ng/mL
RT: 8.911 min Scan# 1914
Delta R.T. 0.023 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:202 Resp: 5378031

Ion	Ratio	Lower	Upper
202	100		
200	24.6	0.0	53.2
101	11.3	0.0	41.8

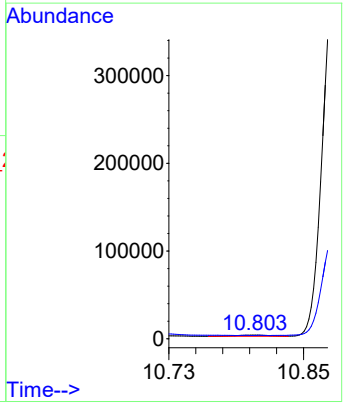


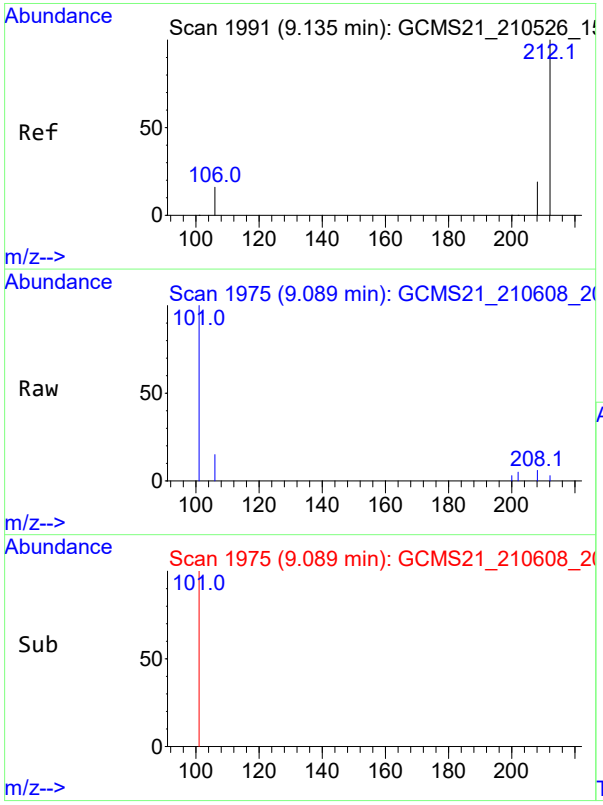


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 10.803 min Scan# 2650
Delta R.T. -0.035 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:240 Resp: 2792

Ion	Ratio	Lower	Upper
240	100		
236	0.0	0.0	58.6

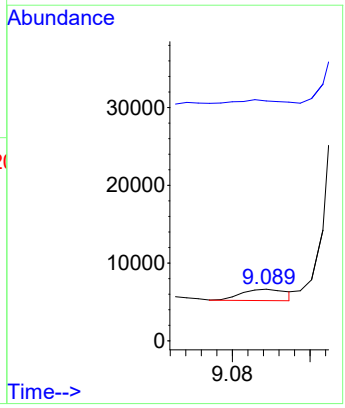


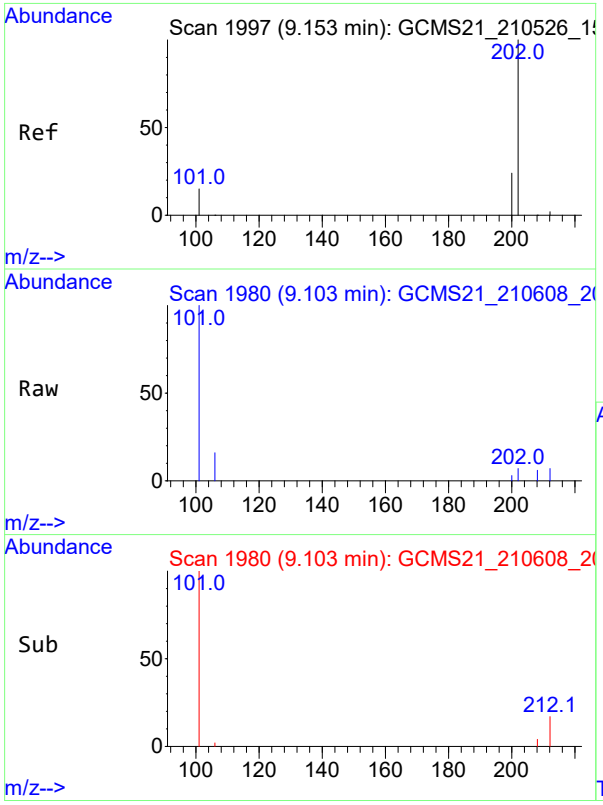


#17
Pyrene-D10
Concen: 186.02 ng/mL
RT: 9.089 min Scan# 1975
Delta R.T. -0.014 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:212 Resp: 1185

Ion	Ratio	Lower	Upper
212	100		
106	24.2	0.0	45.8

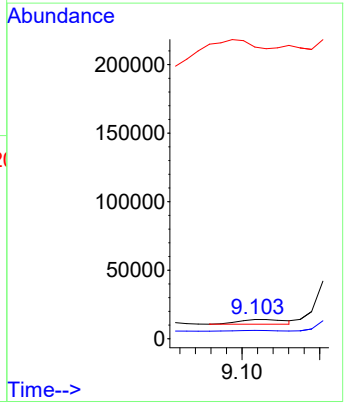


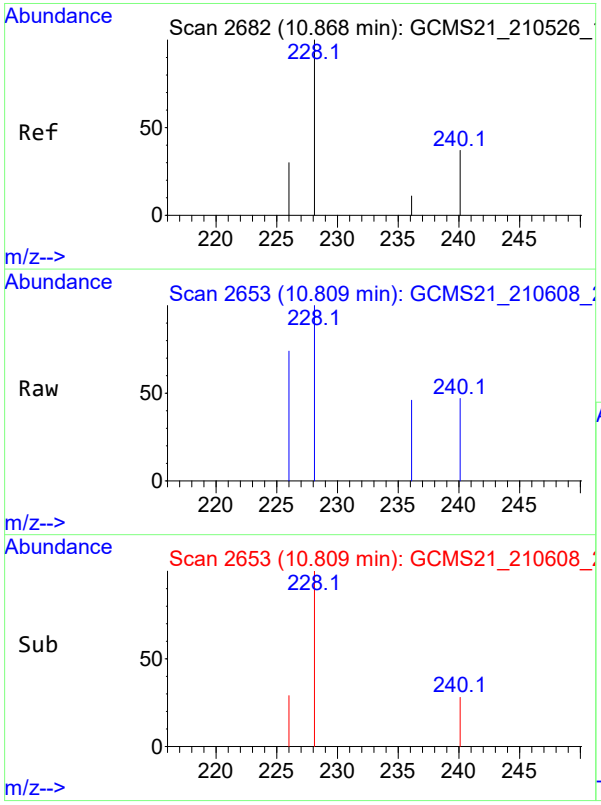


#18
Pyrene
Concen: 381.80 ng/mL
RT: 9.103 min Scan# 1980
Delta R.T. -0.017 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:202 Resp: 2841

Ion	Ratio	Lower	Upper
202	100		
200	14.2	0.0	54.2
101	3816.1	0.0	44.6#

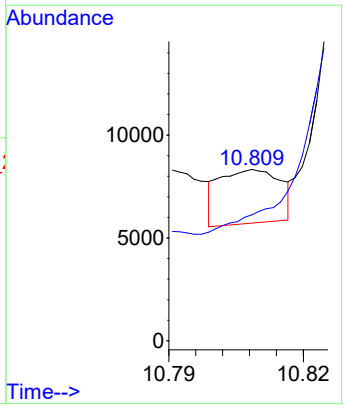


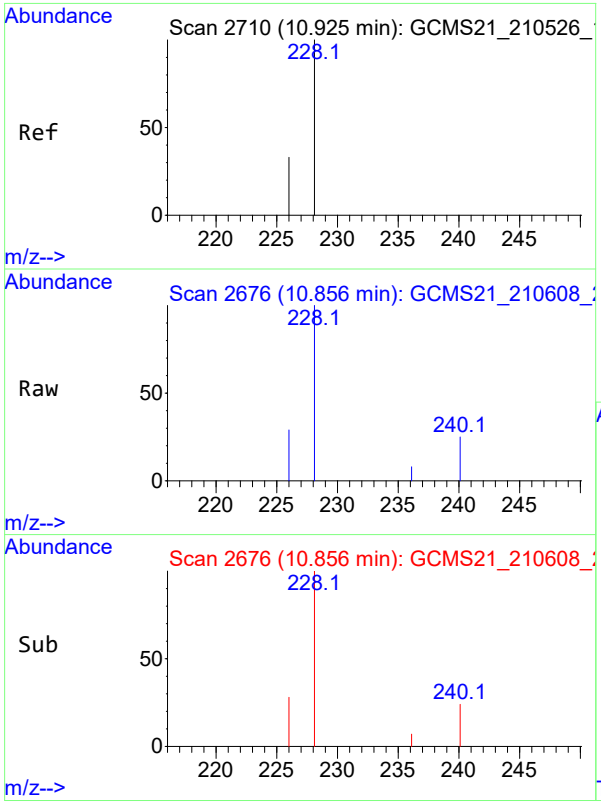


#19
Benzo(a)anthracene
Concen: 560.38 ng/mL
RT: 10.809 min Scan# 2653
Delta R.T. -0.012 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:228 Resp: 3147

Ion	Ratio	Lower	Upper
228	100		
226	0.0	0.0	59.9

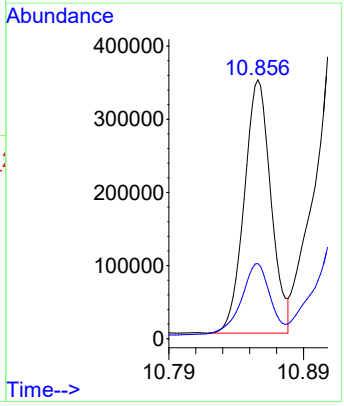


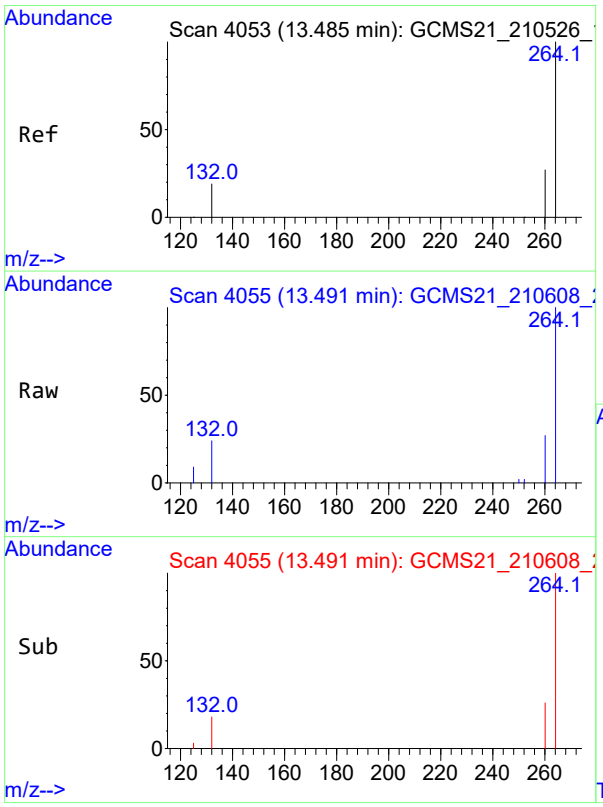


#20
Chrysene
Concen: 69193.33 ng/mL
RT: 10.856 min Scan# 2676
Delta R.T. -0.022 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:228 Resp: 479736

Ion	Ratio	Lower	Upper
228	100		
226	30.6	2.8	62.8

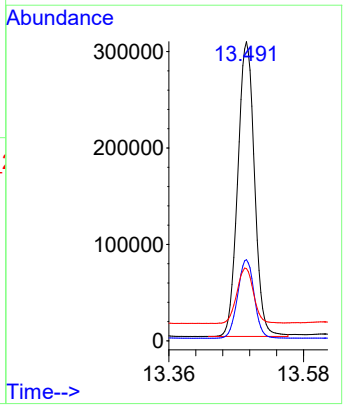


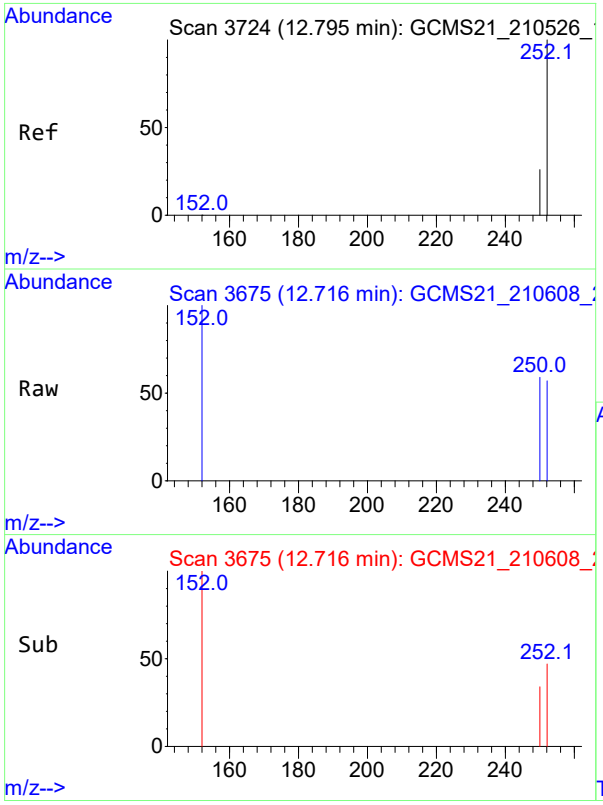


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 13.491 min Scan# 4055
Delta R.T. 0.062 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:264 Resp: 574747

Ion	Ratio	Lower	Upper
264	100		
260	26.5	0.0	57.5
132	18.8	0.0	49.5

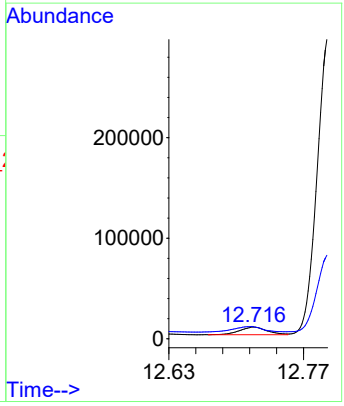


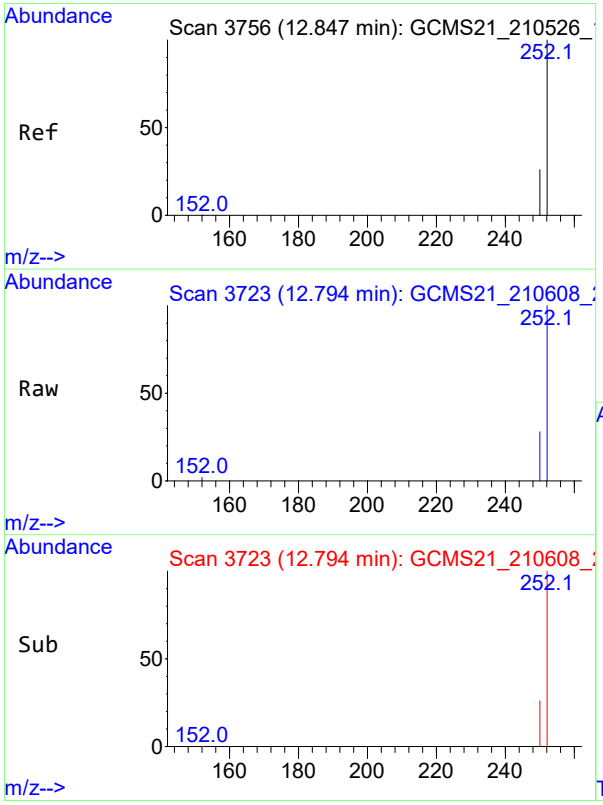


#22
Benzo(b)fluoranthene
Concen: 12.65 ng/mL
RT: 12.716 min Scan# 3675
Delta R.T. -0.026 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 15093

Ion	Ratio	Lower	Upper
252	100		
250	78.4	0.0	56.2#

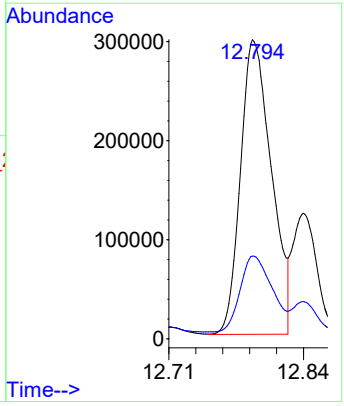


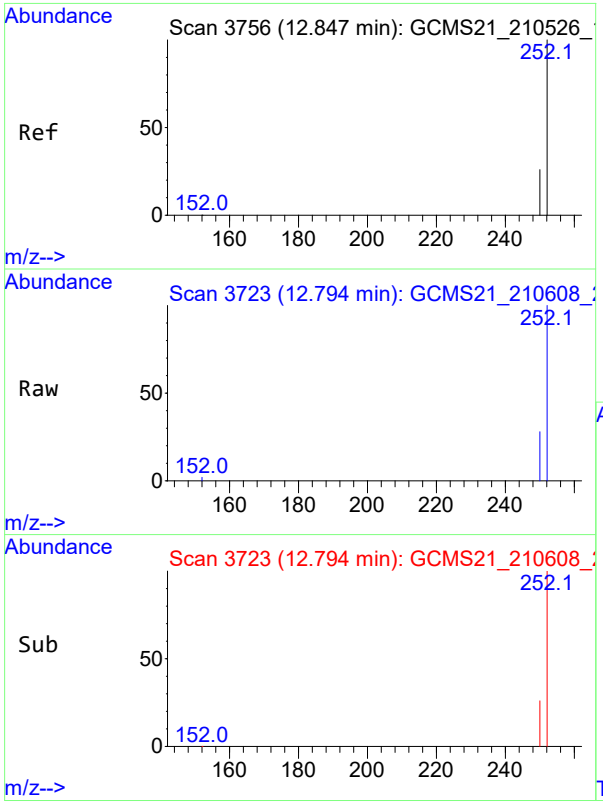


#23
Benzo(k)fluoranthene
Concen: 465.46 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 615426

Ion	Ratio	Lower	Upper
252	100		
250	26.6	0.0	55.6

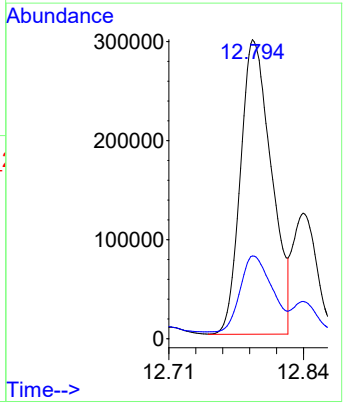


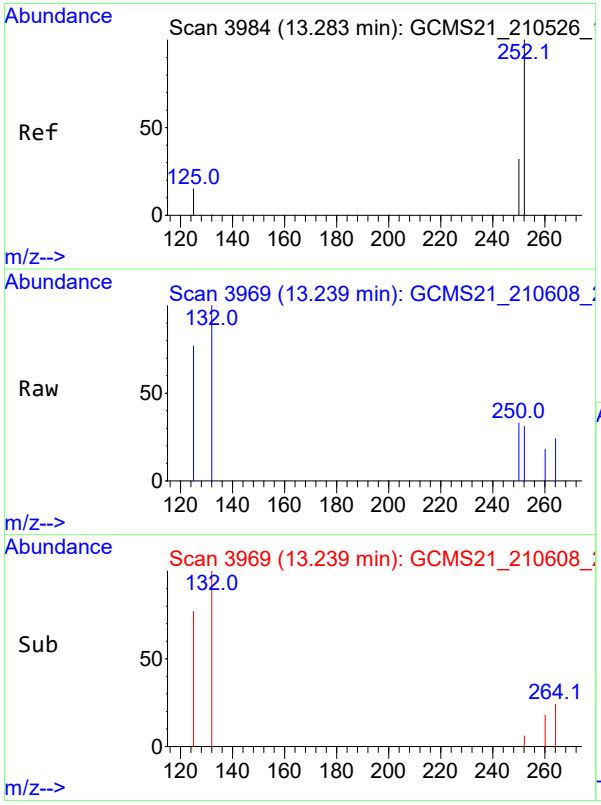


#24
benzo(b+k)fluoranthene (sum)
Concen: 474.72 ng/mL
RT: 12.794 min Scan# 3723
Delta R.T. -0.002 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 615390

Ion	Ratio	Lower	Upper
252	100		
250	27.0	0.0	55.6

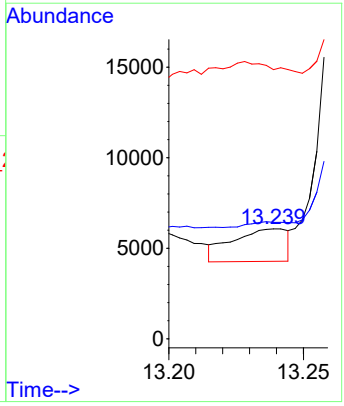


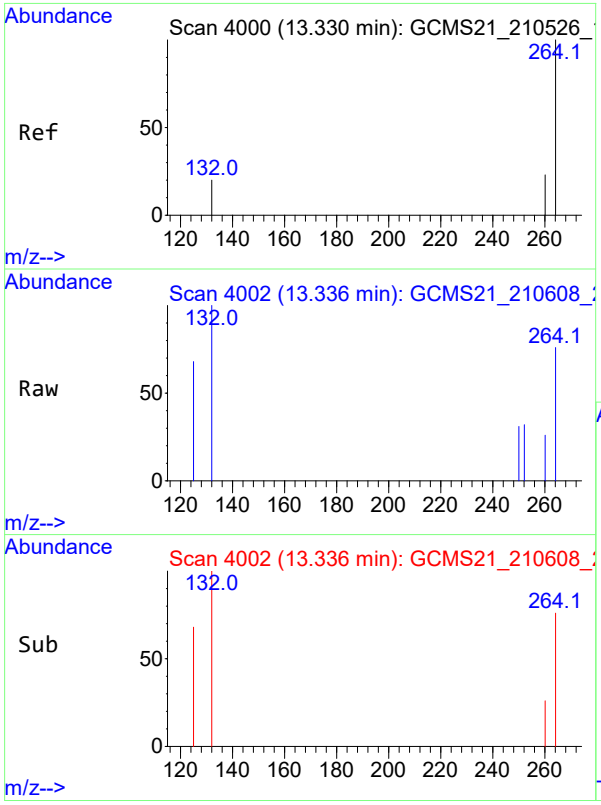


#25
Benzo(e)pyrene
Concen: 2.33 ng/mL
RT: 13.239 min Scan# 3969
Delta R.T. 0.009 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 2807

Ion	Ratio	Lower	Upper
252	100		
250	12.4	2.3	62.3
125	151.9	0.0	46.1#

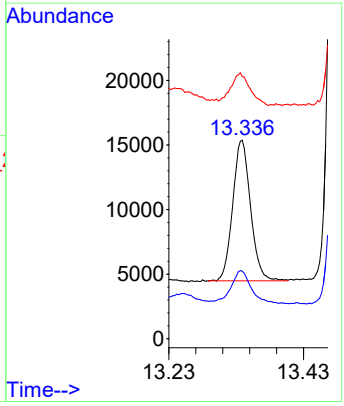


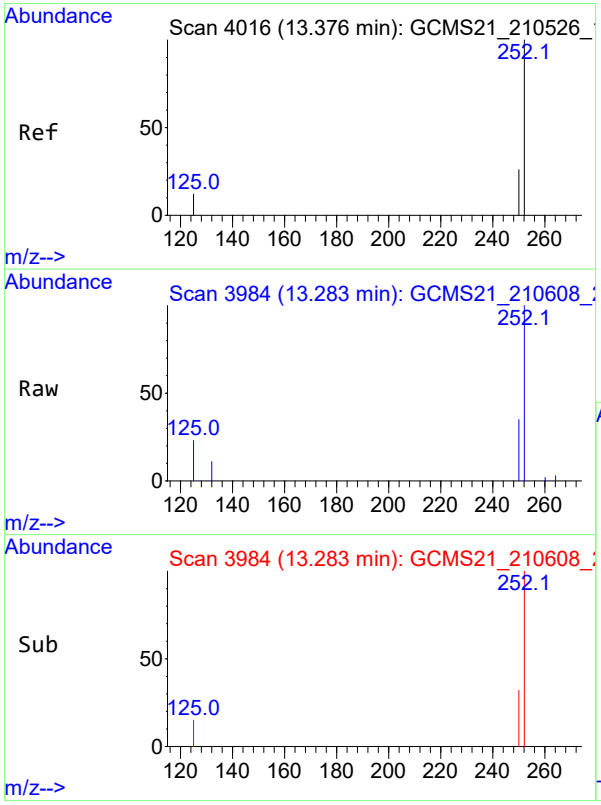


#26
Benzo(a)pyrene-D12
Concen: 21.25 ng/mL
RT: 13.336 min Scan# 4002
Delta R.T. 0.059 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:264 Resp: 19847

Ion	Ratio	Lower	Upper
264	100		
260	40.3	0.0	53.0
132	25.0	0.0	49.8

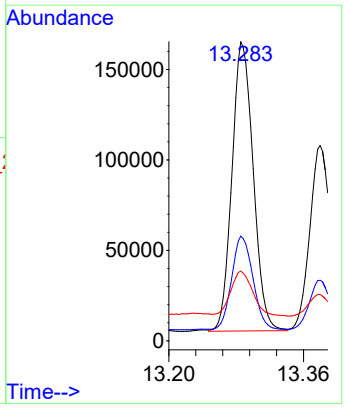


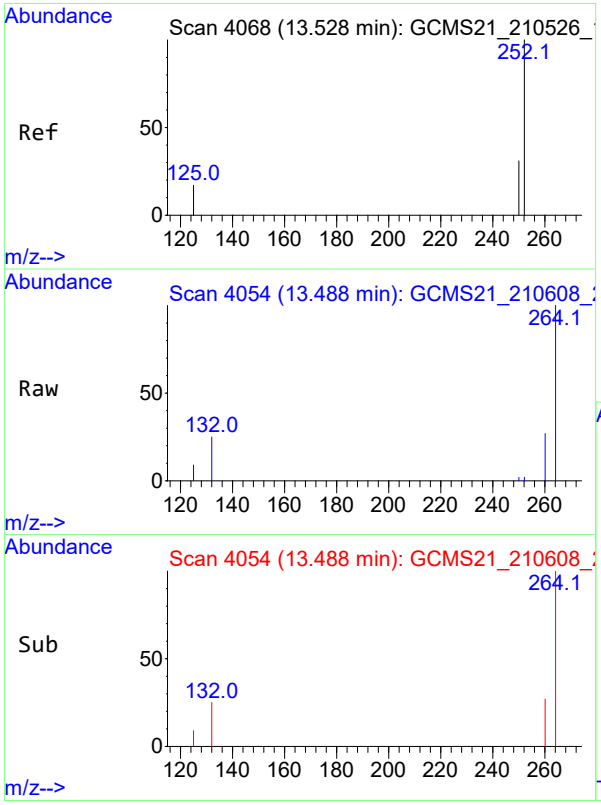


#27
Benzo(a)pyrene
Concen: 255.41 ng/mL
RT: 13.283 min Scan# 3984
Delta R.T. -0.038 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 278090

Ion	Ratio	Lower	Upper
252	100		
250	32.2	0.0	56.6
125	16.2	0.0	42.1

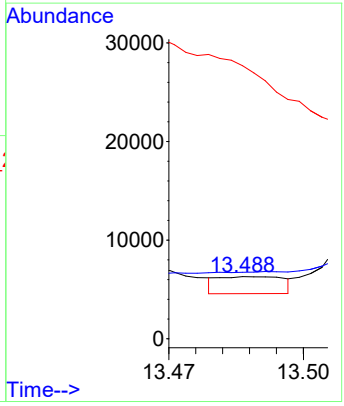


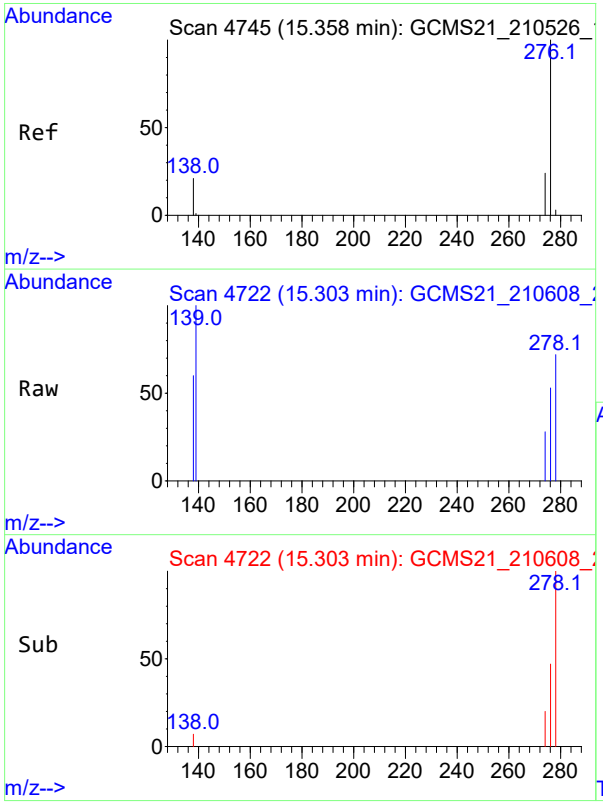


#28
Perylene
Concen: 1.65 ng/mL
RT: 13.488 min Scan# 4054
Delta R.T. 0.012 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:252 Resp: 2021

Ion	Ratio	Lower	Upper
252	100		
250	0.0	1.2	61.2#
125	0.0	0.0	46.7

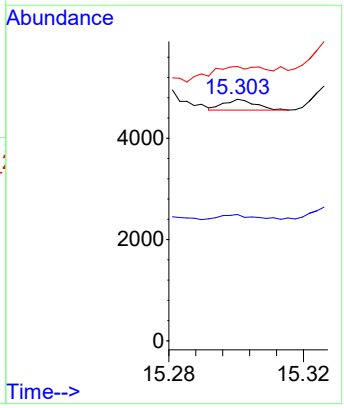


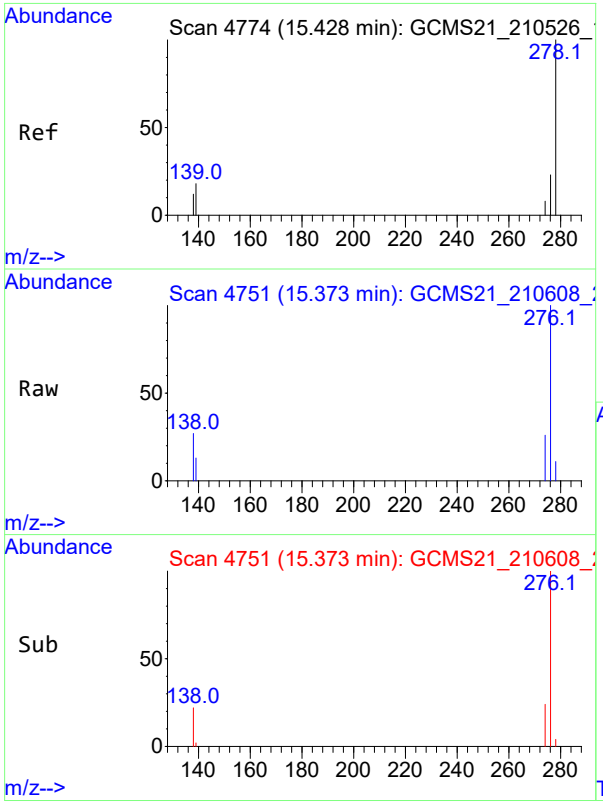


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.17 ng/mL
RT: 15.303 min Scan# 4722
Delta R.T. 0.003 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:276 Resp: 154

Ion	Ratio	Lower	Upper
276	100		
274	0.0	0.0	53.4
138	166.2	0.0	51.2#

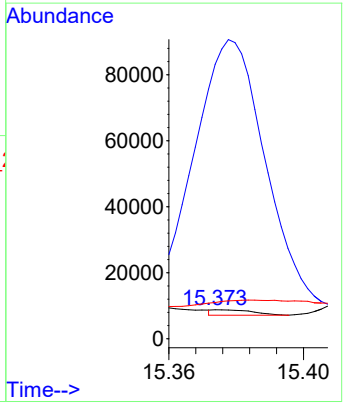


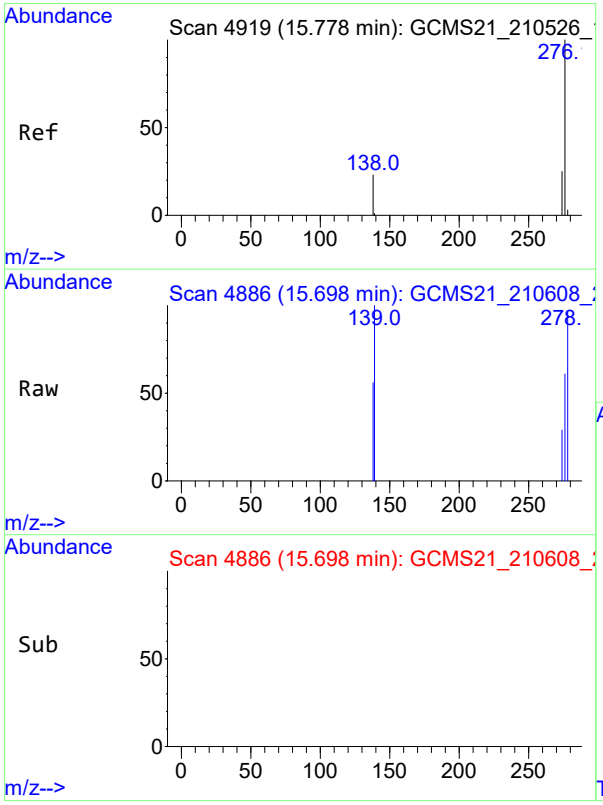


#30
Dibenz(a,h)anthracene
Concen: 1.76 ng/mL
RT: 15.373 min Scan# 4751
Delta R.T. 0.000 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:278 Resp: 1631

Ion	Ratio	Lower	Upper
278	100		
276	10515.1	0.0	58.4#
139	552.5	0.0	47.7#

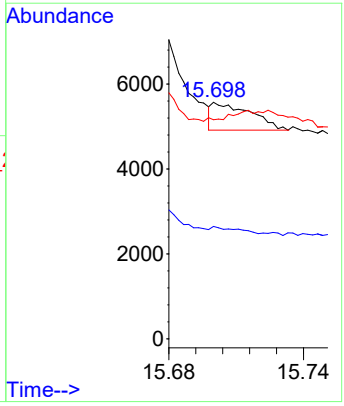


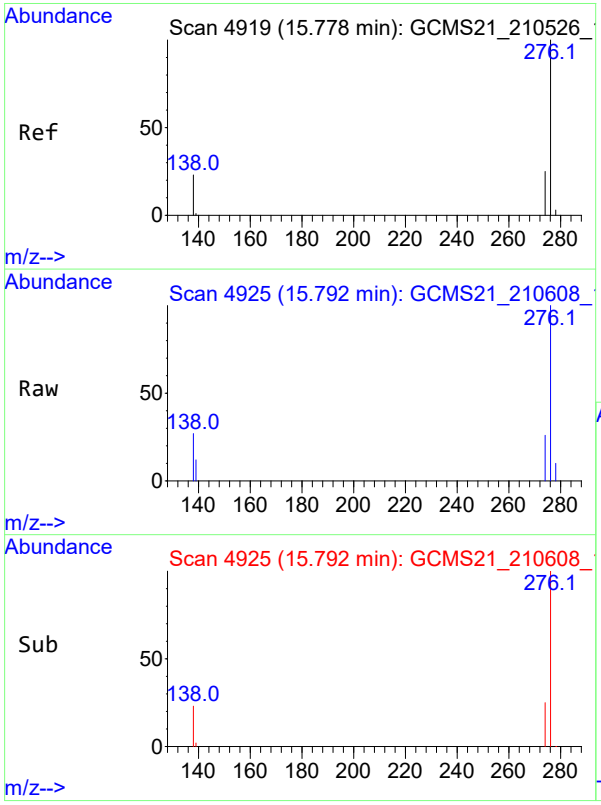


#31
Benzo(g,h,i)perylene
Concen: 0.70 ng/mL
RT: 15.698 min Scan# 4886
Delta R.T. -0.026 min
Lab File: GCMS21_210608_20.D
Acq: 08 Jun 2021 16:37

Tgt Ion:276 Resp: 842

Ion	Ratio	Lower	Upper
276	100		
274	15.7	0.0	54.3
138	42.9	0.0	53.0

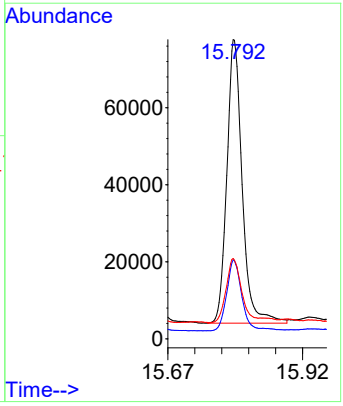




#31
Benzo(g,h,i)perylene
Concen: 131.30 ng/mL
RT: 15.792 min Scan# 4925
Delta R.T. 0.067 min
Lab File: GCMS21_210608_19.D
Acq: 08 Jun 2021 04:12 pm

Tgt Ion:276 Resp: 147715

Ion	Ratio	Lower	Upper
276	100		
274	24.1	0.0	54.8
138	22.6	0.0	52.9



Quantitation Report (Qedit)

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Data File : GCMS21_210608_20.D
Acq On : 08 Jun 2021 04:37 pm
Operator : MN GCMS21
Sample : 2105001-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 10:52:21 2021
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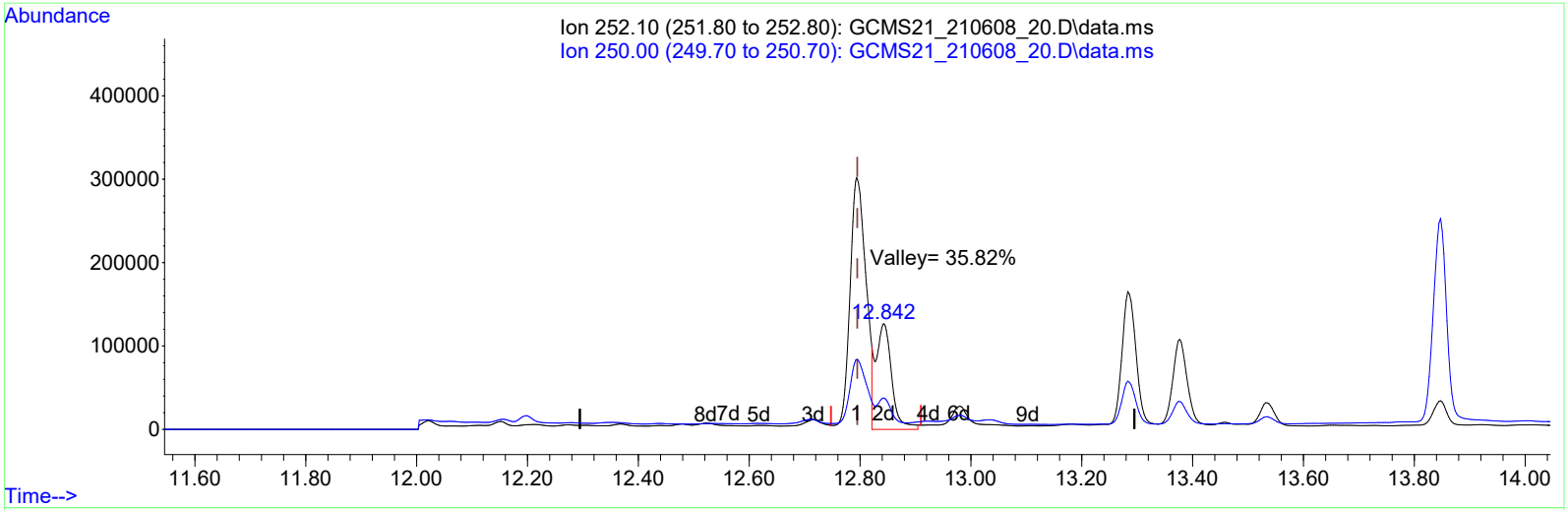
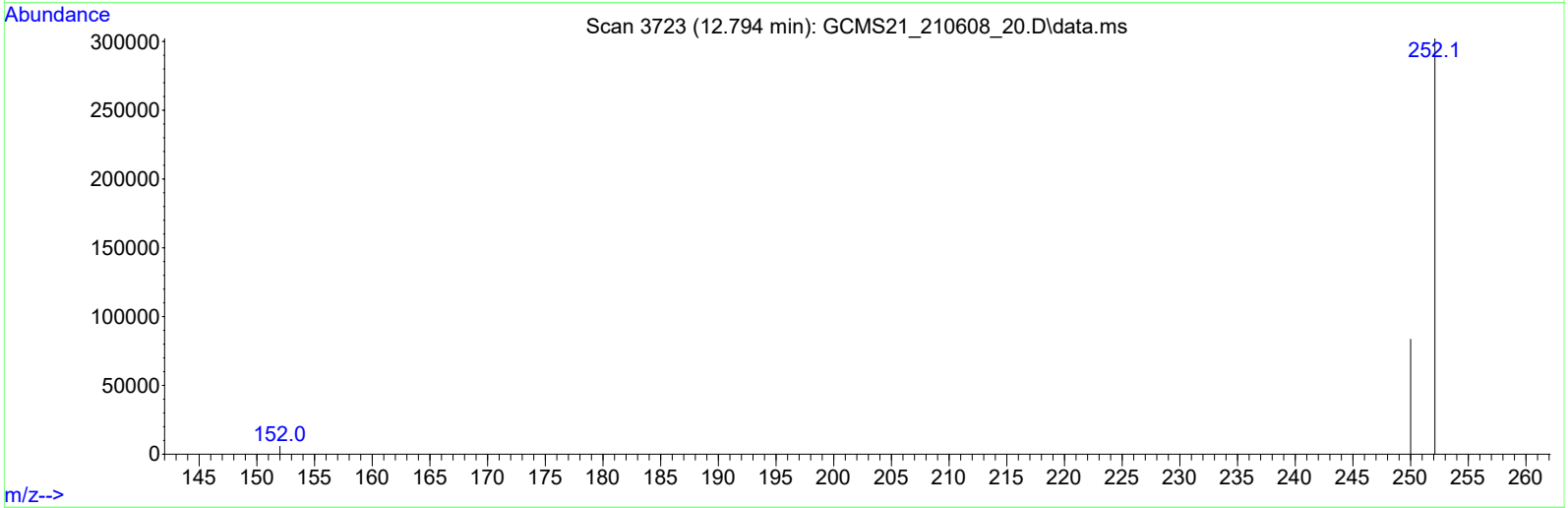
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_20.D\data.ms

(24) benzo(b+k)fluoranthene (sum) (NR)

12.794min (-0.002) 631.86 ng/mL m

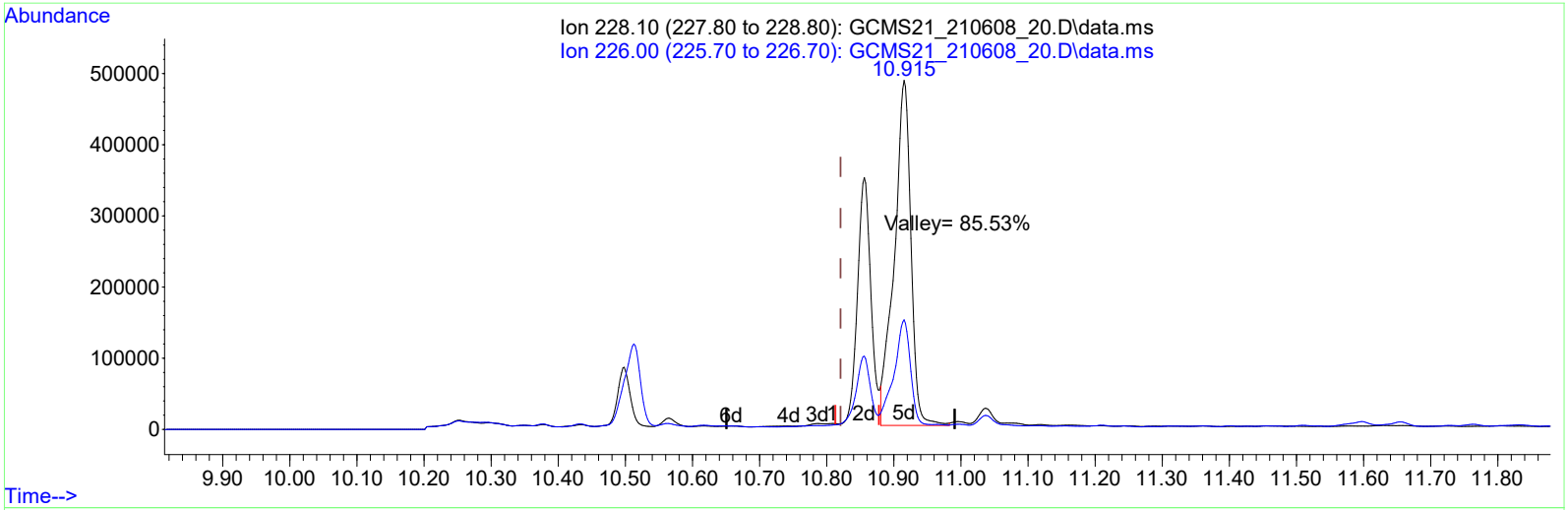
response 819092

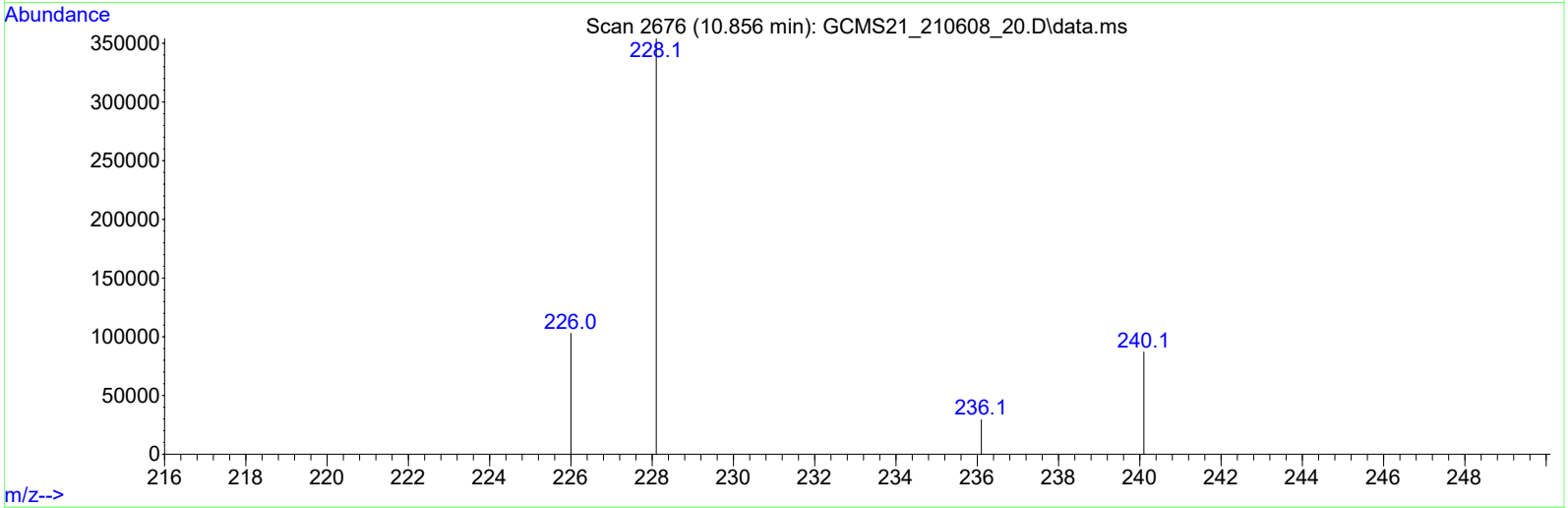
Ion	Exp%	Act%
252.10	100.00	100.00
250.00	25.60	20.32
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_20.D
Acq On : 08 Jun 2021 04:37 pm
Operator : MN GCMS21
Sample : 2105001-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 10:52:21 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_20.D\data.ms

(19) Benzo(a)anthracene (M)

10.856min (+ 0.035) 414.69 ng/mL m

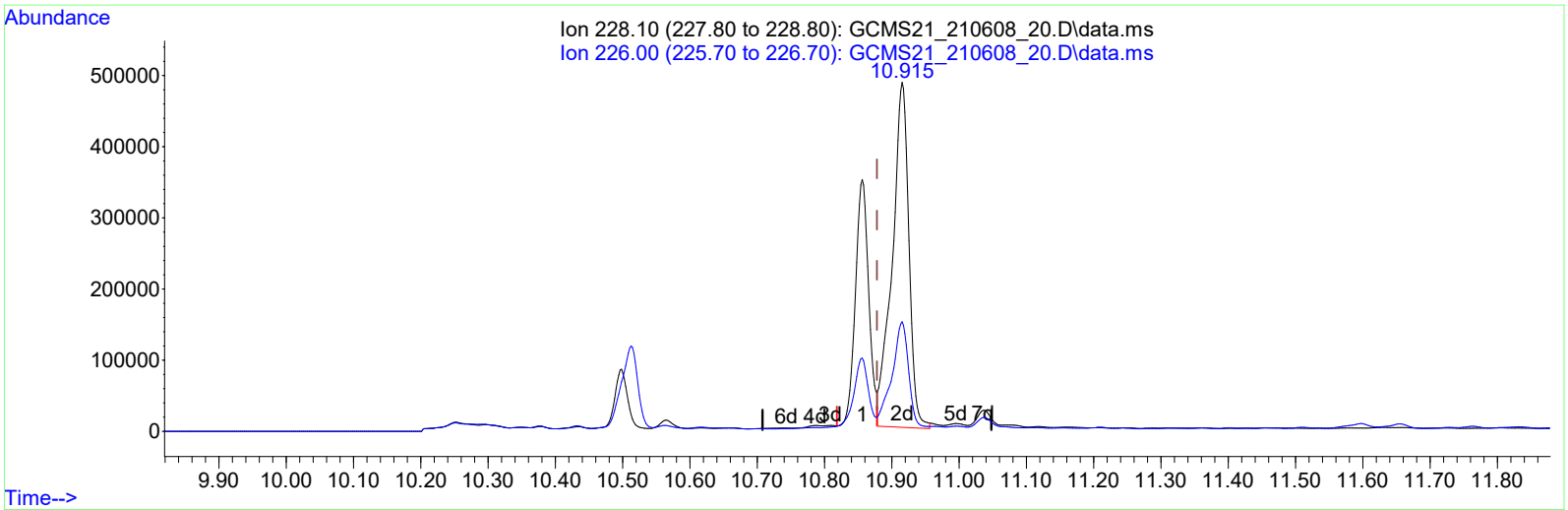
response 486644

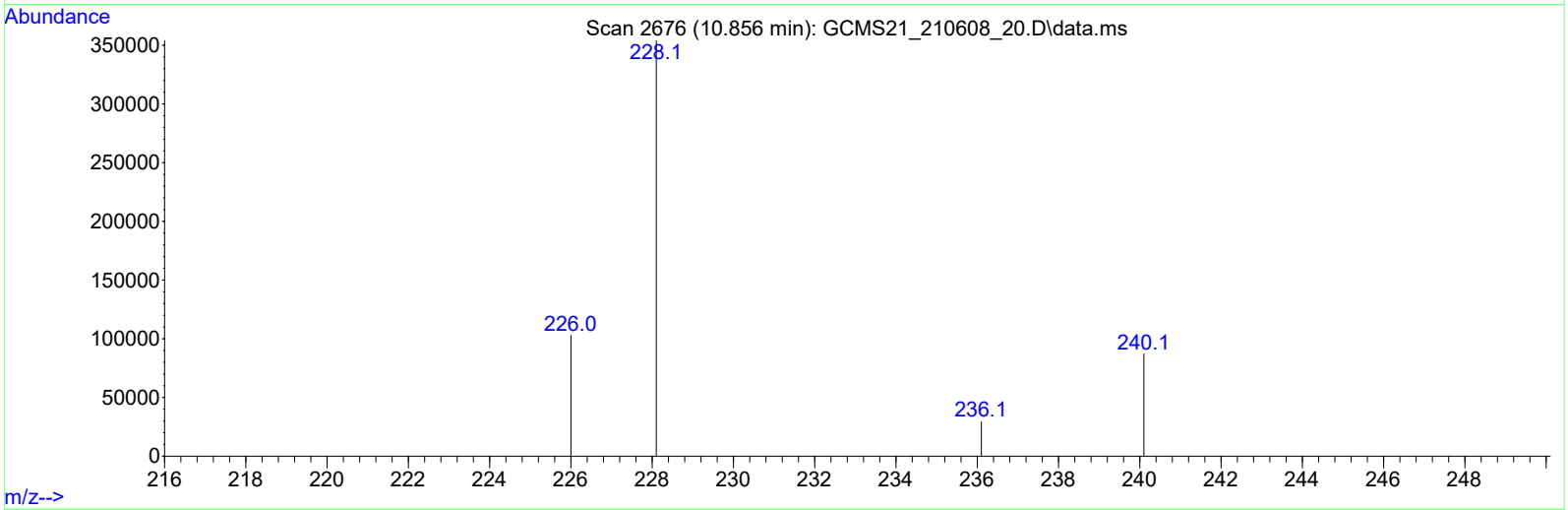
Ion	Exp%	Act%
228.10	100.00	100.00
226.00	29.90	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : O:\Organic Data Review\2105001-01-19(DISKS) Burns Harbor level II ready\Instrument\Data\process data\210
... 608__WO05008_29_30_35\
Data File : GCMS21_210608_20.D
Acq On : 08 Jun 2021 04:37 pm
Operator : MN GCMS21
Sample : 2105001-18
Misc :
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jul 01 10:52:21 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210526RT0607.M
Quant Title : BURNSHABOR
QLast Update : Mon Jun 28 11:02:00 2021
Response via : Initial Calibration





TIC: GCMS21_210608_20.D\data.ms

(20) Chrysene (M)

10.856min (-0.022) 331.12 ng/mL

response 479736

Ion	Exp%	Act%
228.10	100.00	100.00
226.00	32.80	30.58
0.00	0.00	0.00
0.00	0.00	0.00

Pen&Ink Changes

Deviation Type: ☐ One-Time ☑ Continuous **Pen&Ink Reference No:** 21307

A hard copy of the approved Pen&Ink form shall be included in all relevant data packages until the deviation is either no longer applicable or incorporated in the pertinent SOP. When applicable, include this pen&ink reference number in case narratives. Continuous pen&ink changes have a 45-TAT unless an extension is approved.

Attachments Included: ☐ Yes ☑ No

Document Title	MS026 Ver. 3 SVOA (SW-846: 8270E)
Deviation Reason **(Technical Justification)** Additional space on pg 2 if needed	The following revisions are needed to add clarification to the SOP or to counter any conflicting information that is currently present in the SOP.
Deviation Section(s)	9, 10, Table 1, Table 5, and Attachment 4
Existing Language **(Being replaced)** Additional space on pg 2 if needed	See SOP sections listed above.
Revised Language **(Replacing existing language)** Additional space on pg 2 if needed	-The frequency for peak resolution checks is 1.) at the mid-point of an initial calibration, 2.) in each opening continuing calibration verification [CCV], and 3.) in each field sample. -The frequency for instrument performance checks, including the evaluation of DFTPP and tailing factors, is only before an initial calibration. -The quantification ion for 4-nitrophenol will be changed to m/z 109. The quantification ion in the SOP (m/z 139) is not a unique ion and is present in dibenzofuran, which is another target analyte that often co-elutes with 4-nitrophenol. -The acceptance criteria for recalculated initial calibration standards at the RL(s) is </= 50% difference from the expected concentration. -Acceptance limits for benzo(b+k)fluoranthene, whether in blank spikes, matrix spikes, or reporting limit spikes, are 50.8% - 125%. These are the widest historical limits between benzo(b)fluoranthene and benzo(k)fluoranthene.

Qualtrax CC # Or Other Comments	
Additional Information	

Pen&Ink Changes

Project-specific P&I. Where P&I 24385 differs from P&I 21307, P&I 24385 takes precedence for the Burns Harbor project. KL 7.2.21.

Deviation Type: ☑ One-Time ☐ Continuous **Pen&Ink Reference No:** 24358

A hard copy of the approved Pen&Ink form shall be included in all relevant data packages until the deviation is either no longer applicable or incorporated in the pertinent SOP. When applicable, include this pen&ink reference number in case narratives. Continuous pen&ink changes have a 45-TAT unless an extension is approved.

Attachments Included: ☑ Yes ☐ No

Document Title	MS026 - Analysis of acid and base/neutral semivolatile organic compounds in water and soil by GC/MS
Deviation Reason (Technical Justification) Additional space on pg 2 if needed	Addition of new analysis/matrix SVOA PAHs in PUF by press. fluid extr (SIM)
Deviation Section(s)	multiple - see attached
Existing Language (Being replaced) Additional space on pg 2 if needed	See section numbers in attached.
Revised Language (Replacing existing language) Additional space on pg 2 if needed	See section numbers in attached.

Qualtrax CC # Or Other Comments	
Additional Information	One-time P&I associated with analytical project "Benzo[a]pyrene Monitoring Study at Cleveland Cliffs in Burns Harbor, IN", ARD contacts Kathleen Healy, Saphique Thomas, and Cristina Presmanes

MS026 rev 3 - Addition of new analysis/matrix, SVOA PAHs in PUF by press. fluid extr (SIM)

1. Scope & Application

1.1 **Application**. This P&I describes procedures for analysis of PAH in air by pressurized fluid extraction of polyurethane foam (PUF) plug and disk sample collection media, concentration of the subsequent extracts, and analysis of PAH by GC/MS operating in SIM mode. Extraction of PUF plugs in this procedure is based on EPA method TO-13A as modified by NATTS-TAD 3rd revision. Sample concentration, instrument calibration, determinative analysis, and QC largely follow MS026. This P&I is intended as a one-time P&I related to an ARD project. Some quality control criteria are modified to meet the QAPP associated with that project, "Quality Assurance Project Plan for the Benzo[a]pyrene monitoring study at Cleveland-Cliffs in Burns Harbor, Indiana" dated March 2021.

1.2 **Target analytes**. Target analytes are the twenty PAHs listed in MS026 Table 6b. Additionally, three surrogates are added to the method in accordance with EPA TO-13A. These are laboratory surrogates fluorene-d10 and pyrene-d10, and field surrogate benzo(a)pyrene-d12. The surrogate fluoranthene-d10, used as a lab surrogate in MS026 Table 6A, is used as a field surrogate in this P&I. Refer to section 7.4.6 for details. The surrogate 2-methylnaphthalene-d10, used in MS026 SIM-PAH soil method, is not used in this analysis.

1.3 **Sample matrices**. This procedure is used for the preparation and analysis of PAH in air collected on PUF sampling media.

1.4 **Calibration range**. The calibration range for this SIM analysis is 10-1000 ng/mL.

1.5 **Reporting limits**. For naphthalene through phenanthrene, the reporting limit is 250 ng/PUF. For anthracene through benzo(g,h,i)perylene, reporting limit is 50 ng/PUF. The reporting limits (RLs) and method detection limits (MDLs) are documented in IDOC study WO 2102008. The IDOC spreadsheets for plugs and disks are also attached to this P&I. MDLs and RLs are given in ng per PUF, and results are reported in this same unit. Analytes are ordinarily reported to the RL but may be reported to the MDL at the request of the client.

2. Summary of Method

Sample media for hi-vol samplers (PUF plugs inserted into glass cartridges, quartz microfiber filters) and for passive samplers (PUF disks) are pre-cleaned, and the cleaned media subjected to per-batch clean checks and packaged for shipment to the field. Prior to shipment, field surrogate spikes are applied to hi-vol PUF plugs and to passive PUF disks. Upon receipt from the field, media are spiked with laboratory surrogates, and extracted via ASE extractors. Extracts are concentrated to 1.0 mL via solvent evaporation, and the concentrated extracts are spiked with internal standards prior to analysis by the MS026 PAH-SIM determinative method.

3. Abbreviations & Definitions

PUF: Polyurethane Foam
QFF: Quartz microfiber filters

4. Health, Safety & Waste – no changes

5. Cautions & interferences – no changes

6. Equipment & supplies – changes to the following subsections.

6.1 GC/MS system (6.1.1) Agilent model 8890 GC; (6.1.2) Agilent model 5977B Inert Plus MSD. The combined system is instrument "GC/MS 21" in LIMS.

6.2 Glassware

6.2.6 Test tubes, threaded – 12 mL, with PTFE lined caps. (e.g. Fisher p/n 14-959-35AA tubes and Fisher p/n 50-117-9703 caps)

6.2.11 Collection bottles for ASE extracts: 250-mL clear bottles, open-top 24-414 screw caps with PTFE-faced silicone septa, and additional solid caps with PFTE-faced silicone liners for extract storage. Example part numbers: bottles, Thermo certified 300 series, Thermo p/n S329-0250. Additional septum caps, Thermo p/n 2972400UB; Fisher p/n 14-965-48. Solid caps, Fisher p/n 50-117-9703.

6.3 Other equipment & supplies for PUF sampling.

6.3.3 Ovens & furnaces. Drying oven capable of maintaining constant temperature up to 250C. Also, muffle furnace capable of maintaining constant temperature up to 550C.

6.3.18. Sampling media & supports (new section)

6.3.18.a. PUF disks (for deployment in passive samplers). Tisch Environmental part # TE-1014, 5-pack. Approximate dimensions: 5.5" (14 cm) diameter x 0.5" (1.3 cm) thick; 370 cm^2 surface area. 4.40 g mass. 201 cm3 volume. Density 0.210 g/cm^3.

6.3.18.b. PUF plugs for deployment in high-volume samplers. Tisch Environmental. TE-1010, PUF plugs, 3" long (10 pack)

6.3.18.c. Glass sample cartridges with stainless steel screens. Housing for PUF plugs, for deployment in high-volume samplers. Tisch Environmental. TE-1009.

6.3.18.d. Quartz microfiber filters, 4" round. Pre-filters for deployment in high-volume samplers. Tisch Environmental. TE-QMA4: Micro-Quartz Filter Media 4" Round for PUF (100 pack)

6.3.19. Shipping supplies (new section)

6.3.19.a. 32 oz/1000 mL Amber Straight-side glass jar, Level 2 (precleaned), with 89-4000 PTFE-lined cap, Quality Environmental Containers (QEC) pn 21124-0032. For storing/shipping pre-cleaned passive PUF discs.

6.3.19.b. 32 Oz. HDPE Round wide-mouth jar - 3 1/2"Dia x 6 1/2"H, opaque white, with 89 mm black cap. Storage & shipping containers for assembled PUF plug and glass cartridge. Consolidated plastics p/n 41358.

6.3.19.c. Disposable Petri Dishes w lids, sterile polystyrene, 150 mm dia x 15 mm. United Scientific Supplies/Fisher (USS pn K1001; Fisher pn S08186). For storing & shipping pre-cleaned QFFs.

6.3.19.d. 6" x 8" heavy-duty zipper bubble bags - 4 mil wall. Protective inner wrap for shipping assembled glass cartridge & PUF plug. Consolidated plastics p/n 90301.

6.3.19.e. 8" x 10" heavy-duty zipper bubble bags - 4 mil wall. Protective outer wrap for shipping assembled glass cartridge & PUF plug inside its HDPE widemouth jar. Also protective outer wrap for shipping PUF disc inside its 32 oz amber jar. Consolidated plastics p/n 90302.

6.3.20.f. 8" x 8" recloseable ziploc bags, 2 mil wall. Protective shipping for QFF in its petri dish holder. Consolidated plastics p/n 90051.

7. Reagents & Standards

Section 7.4.6 Standard Preparation for PAH by SIM analysis - modify referenced text sections as follows

7.4.6.1 **Deuterated PAH surrogates.** (existing text renumbered 7.4.6.1.a and typo corrected. Added sections 7.4.6.1.b – d)

7.4.6.1.a. PAH SIM intermediate surrogate standard for MS026 SIM PAH in soil/wipes. Restek part # 33913 ("PSS-1") stock solution, brought to volume with DCM in a 10 mL volumetric flask. Prepared concentration 10 ug/mL each of 2-methylnaphthalene-d10 and fluoranthene-d10. Use to prepare deuterated PAH surrogate spiking solution for water/soil/wipes (7.4.6.4)

Stock Solution part #	stock solution ug/mL	Volume added to 10-mL flask (uL)	Prepared conc (ug/mL)	Components
Restek part # 33913 ("PSS-1")	2000	50	10	2-methylnaphthalene-d10 fluoranthene-d10

7.4.6.1.b. Mixed intermediate surrogate for preparation of calibration standards, all matrices. Prepared concentration 10 ug/mL of all deuterated PAH surrogates used for water, soil, wipes or PUF. Used for SIM PAH in

soil/wipes in MS026 by ignoring the added TO-13A lab and field surrogate. Use for SIM PAH in PUF by TO-13A by ignoring the 2-methylnaphthalene surrogate. Prepare in a 10-mL volumetric flask with DCM.

Stock solution and stock part #	Stock solution µg/mL	Volume added to 10 mL flask (uL)	Prepared conc (ug/mL)	Components (blue : TO-13A field surr)
Restek 33913 (PSS-1)	2000	50	10	2-methylnaphthalene-d10 & fluoranthene-d10
Absolute 99324 (PSS-2)	1000	100	10	Fluorene-d10 ; Pyrene-d10
Phenomenex AL0-101561 (PSS-4)	1000	100	10	Benzo(a)pyrene-d12

7.4.6.1.c. PAH-SIM intermediate surrogate standard for PUF field spikes. Prepare in 10-mL volumetric flask in DCM solvent. Prior to field deployment, spike each PUF plug or disk with 50 uL, to deliver a 500 ng surrogate spike. Spike no earlier than 1 week prior to field deployment; store spiked media in their sealed shipping packaging in a 0-4 ^{o}C refrigerator reserved for PUF media.

Stock solution stock part #	Stock µg/mL	Volume into 10 mL flask (uL)	Prepared conc (ug/mL)	Components (blue : field surr)
Absolute 93951-69-0 PSS-3	1000	100	10	Fluoranthene-d10
Phenomenex AL0-101561 PSS-4	1000	100	10	Benzo(a)pyrene-d12

7.4.6.1.d. PAH-SIM intermediate surrogate standard for PUF lab spikes. Prepare in 10-mL volumetric flask in DCM solvent. Immediately prior to extraction of field and QC samples, spike each PUF with 50 uL, to deliver a 500 ng surrogate spike. These are called "extraction surrogates" in QAPP.

Stock solution stock part #	Stock µg/mL	Volume into 10 mL flask (uL)	Prepared conc (ug/mL)	Components
Absolute 99324 PSS-2	1000	100	10	Fluorene-d10 ; Pyrene-d10

7.4.6.2. Intermediate PAH target compounds mixed standard, 10 ug/mL. For preparation of calibration standards and target compound spiking solution. For all PAH SIM applications (soil, water, wipes, PUF). (clarification of language and applicability – no change in AccuStandard solution preparation table).

7.4.6.3 Intermediate PAH target compounds – 2nd source ICV. An intermediate ICV standard at 10 ug/mL (in DCM) can be prepared from any PAH-containing stocks that differ from the primary AccuStandard stocks used in 7.4.6.2, including any of following. These sources contain only a subset of the PAH analyte list, and are missing the analytes listed below.

Stock Solution ID	stock conc (ug/mL)	vol added (uL)	Total volume (mL)	Prepared conc (ug/mL)	Missing PAHs	Extra non-PAH analytes
Supelco p/n 506508 (MS026 "S2")	1000	100	10	10	1-methylnaphthalene Benzo(e)pyrene Perylene	46
Restek p/n 31900 (MS026 "R5")	1000	100	10	10	1-methylnaphthalene Benzo(e)pyrene Perylene	47
Restek p/n 31874 (new; recommended)	**500**	**200**	**10**	**10**	**Benzo(e)pyrene Perylene**	**0**

7.4.6.4. Not applicable to PUFs. Use 7.4.6.1 c and d.

7.4.6.5. PAH target compounds spiking solution. Prepare at 1.0 ug/mL concentration in a 50 mL volumetric flask with P&T grade methanol.

Intermediate PAH target compounds mixed standard	Intermed. Std concentration	Volume intermed std	Final volume	Prepared conc (ug/mL)
§7.4.6.2	10 ng/uL	5.0 mL	50 mL	1.0 ng/uL

7.4.6.6, 7.4.6.7, 7.4.6.8, 7.4.6.9 and 7.4.6.10 – Follow MS026 as written.

8. Sample Handling and Preservation.

8.1 Sample handing for PAH on PUFs (new section). Perform all handling of PUF media while wearing powder-free nitrile gloves as well as all other appropriate PPE.

8.1.1 Precleaning sample media for PUF analysis.

8.1.1.a Pre-clean PUF plugs and PUF disks by ASE solvent extraction. Insert PUF into 66-mL ASE cells which have been pre-cleaned as described in MS026; use a glass fiber ASE filter. Clean the PUFs with the following extraction program. (Program # 22 on ASE units 1 and 3)

Solvent: 3:1 hexane:acetone
Temperature: 60C
Heat time: 5 min (ASE auto-fills this parameter)
Static time: 10 minutes
Volume: 40%
Purge time: 300 seconds
Cycles: 4

Air dry the cleaned PUFs in hood, loosely covered in foil, until residual solvent has evaporated. When dry, transfer to Ziploc storage container marked with the "cleaned" date and store in PUF media refrigerator, 0-4°C. Enter the clean batch date onto the clean check tracking spreadsheet (O/PAH in air). Extract, concentrate, and analyze one PUF per clean batch according to the extraction procedure below and MS026 determinative analysis. Confirm blank requirement (1/5th of MRL) are met. For naphthalene through phenanthrene, this corresponds to < 50 ng/mL, and for anthracene through benzo(g,h,i)perylene, <10 ng/mL. Update the clean check tracking spreadsheet and place a copy of the chemstation data report for the clean check into the clean check pdfs folder on O. Update the Ziploc storage container to indicate "clean check confirmed" (or repeat the cleaning and clean check procedure if necessary). Use cleaned PUF media within one month of cleaning, or re-confirm the clean check.

8.1.1.b. Pre-clean QFFs for high-volume extractors by baking in muffle furnace at 550 C for ≥ 4 hours (overnight ok). Inspect for holes or rips and discard any damaged QFFs. Transfer to Ziploc storage container marked with the cleaned date and store in PUF media refrigerator as above. Extract, concentrate, and analyze one PUF per clean batch according to the extraction procedure below and the MS026 determinative analysis. The QFF and a PUF plug are co-extracted. Confirmation that blank requirements were met confirms the clean check for both the QFF and the plug extracted. Update the clean check tracking spreadsheet and place a copy of the chemstation data report for the clean check into the clean check pdfs folder on O. Update the Ziploc storage container to indicate "clean check confirmed" (or repeat the cleaning and clean check procedure if necessary). Use cleaned QFFs within one month of cleaning or re-confirm the clean check.

8.1.1.c. Pre clean glass cartridge housing for PUF plugs in dishwasher, then 3x solvent rinse with hexane and acetone. Air dry, wrap in clean aluminum foil, and store in a covered location until use.

8.1.2 Preparation of PUF media for field deployment.

8.1.2.a. Preparation of weekly coolers for high-volume samples. Prepare media the day before or day of deployment, store in walk-in cooler. Add ice on day of deployment.

Spike each clean-checked PUF plug with 50 uL of 10 ng/uL field surrogate solution (500 ng spike), inserting the syringe several cm into the center of the plug. Load PUF into a pre-cleaned glass cartridge. Wrap cartridge in foil. Seal foil-wrapped cartridge into 6" x 8" zipper bubble bags (6.3.19.d). Tuck into wide-mouth plastic shipping container (6.3.19.b). Affix a label with spike volume and LIMS ID, clean check information, and space for sample location onto the shipping jar. Seal HDPE bottle into 8x10 ziploc bubble bag (6.3.19.e) for additional protection against breakage in the cooler.

Place each QFF into a petri dish (6.3.19.c.). Wrap lid with teflon tape. Affix a label with clean check information and space for field sampler to enter sample location onto the petri dish cover. Seal petri dish into 8” x 8” recloseable ziploc bags.

Fill a large cooler with ice, double-bagged into 1-gallon ziplocs. Don’t use small coolers, even for deploying a small number of samples. Place prepared media packaged as above into the center of the cooler interspersed with ice. Also place one small plastic bottle of water into Ziploc bubble bag adjacent to samples; this is the cooler temperature check bottle. Tape blank chain of custody form in Ziploc bag onto cooler inner lid along with a fine-point sharpie, roll of teflon tape, and a couple pair of powder-free nitrile gloves. Deliver to ASB field personnel, or to Rob Snyder if shipping is required.

8.1.2.b. Preparation of monthly coolers for passive samples. Prepare media the day before or day of deployment, store in walk-in cooler. Add ice on day of deployment.

Spike each clean-checked PUF disk with 50 uL of 10 ng/uL field surrogate solution (500 ng spike), inserting the syringe about halfway into the center of the disk. Roll the disk into its amber glass jar (6.3.19.a). Cap and seal cap in place with teflon tape. Affix a label with spike volume and LIMS ID, clean check information, and space for field sampler to write in sample location onto the shipping jar. Seal amber jar into 8x10 ziploc bubble bag (6.3.19.e) for additional protection against breakage in the cooler.

Fill a large cooler with ice, double-bagged into 1-gallon ziplocs. Place prepared media packaged as above into the center of the cooler interspersed with ice. Also place one small plastic bottle of water into Ziploc bubble bag adjacent to samples; this is the cooler temperature check bottle. Use multiple coolers if required to ensure that each cooler is at least 50% ice. If multiple coolers are used, each cooler requires a temperature check bottle. Tape blank chain of custody form in Ziploc bag onto cooler inner lid along with a fine-point sharpie, roll of teflon tape, and a couple pair of powder-free nitrile gloves. Deliver to ASB field personnel, or to Rob Snyder if shipping is required.

8.1.3 Sample storage and hold. Extract PUF disks or PUF plug and its associated QFF within 14 days of collection. Storage and hold otherwise the same as MS026 §8.

9. Sample Preparation and Analysis.

9.1 Procedural quality controls.

9.1.1.a. PUF surrogate spikes. Field surrogate (7.4.6.1.c) should already have been spiked at 50 uL of 10 ng/uL field surrogate (500 ng) prior to deployment as described in 8.1.2 a and b. Immediately prior to extraction, spike lab surrogate (7.4.6.1.d) at 50 uL of 10 ng/uL (500 ng) onto each field and batch QC sample (PUF or plug; do not spike QFFs), including RLs, BS/BSDs, and blanks.

9.1.1.b. PUF target compound spikes. Spike RLs with 50 uL of 1 ng/uL PAH target compound spike solution (7.4.6.5). Spike a BS and a BSD with 250 uL, for 50 ng and 250 ng spikes, respectively. For analytes naphthalene through phenanthrene, the reporting limit is 250 ng, so the 50 ng spike is not applicable (analytes are present in mix, but data not used; failures do not qualify results). For these analytes, the blank spike confirms the reporting limit.

9.1.3, 9.1.4, 9.1.5: Blks, RLs and BS/BSDs – follow MS026 as written, but with spiking levels indicated in 9.1.1a and 9.1.1b.

9.1.6 MS/MSDs are not applicable to PUF samples.

9.1.7 Duplicates.

9.1.7.a. Laboratory duplicates in the sense of duplicate preparations (duplicate extractions of PUFs) are not applicable to PUF samples, since PUFs cannot be sub-sampled.

9.1.7.b. Field duplicates will be provided by ARD as separately labelled samples, analyzed as any other sample, and their precision will be assessed by ARD. Precision of laboratory operations are assessed by the BS/BSDs.

9.1.7.c Per NATTS-TAD and QAPP, duplicate injections (replicate injections) of a field sample extract are performed once per analytical sequence to assess precision of the determinative instrumental measurement. These are entered into the bench sheet as "sample# – DUP1", and have acceptance criteria of 10% RPD.

9.2 Extraction of aqueous samples not applicable

9.3 Extraction of soil/sediment samples and PUFs by pressurized fluid extraction. Add the following text to indicated subsections

9.3.1. Extract PUF disks and plugs in 66-mL ASE cells.
9.3.2 For PUFs, use glass fiber ASE filters.
9.3.3 Subsampling is not applicable to PUFs.
9.3.4 Sample masses and use of hydromatrix are not applicable to PUFs.
9.3.5. For PUFs, insert PUFs manually into pre-cleaned 66-mL ASE cells with glass fiber filter , wearing powder-free nitrile gloves. For high-volume samples, loosely fold or roll the 4" diameter quartz fiber filter field sampler and load into base of ASE cell, on top of the ASE glass fiber filter round. Then compress the associated PUF plug for that sampling site into the ASE cell, placing it above its QFF. For PUF disks, roll the disk loosely, then compress the rolled disk into the ASE cell above an ASE glass fiber filter round. Hydromatrix, sand or other fillers should ordinarily not be required.

9.3.6, 9.3.7 as written.

9.3.8: ASE extraction conditions for PUF: Solvent 3:1 hexane:acetone. Preheat 0 min, temperature 60C, heat 5 min (this field is autofilled by ASE), static 5 min, flush 40% volume, purge 60 seconds, cycles 3. Pressure conditions are autofilled by ASE. This extraction is program 22 on ASE # 1 and ASE #3

9.3.10, 9.3.11 as written.

9.4 Drying extracts. Drying has not been required in IDOC samples. If needed for field samples, dry extracts with 5 g Na2SO4 (precleaned by muffling 550 C overnight) prior to concentration per MS026 as written.

9.5. Solvent exchange not required based on equivalent performance obtained for PAH CCVs prepared in hexane, acetone, 3:1 hexane acetone, or DCM during method development.

9.6 Extract evaporation. MS026 sections 9.6.1 - 9.6.2 are not demonstrated for this method (although a single side-by-side trial with n=2 BLKs, MRLs and BSs yielded similar recoveries for evaporation by 9.6.1 & 9.6.2 as by Syncore #2 running the program indicated below).

9.6.3. The IDOC demonstrated extract evaporation via Buchi Syncore evaporation, using the following programs on Buchi Syncore #2, which are added to Syncore program table in 9.6.3.8. (*As of the time of this P&I, equivalent performance was not obtained on Buchi Syncore #1 running the same programs*. *Service for Buchi Syncore #1 is being requested*. *Following service and prior to use with field samples, adequate recovery on Syncore #1 should be demonstrated through spike recovery checks.)*

- "3:1 hex:ace 1005010170". Up to 100 mL of extract (most extracts are ~80 mL but can approach 90 mL with rinses especially if Na2SO4 drying is used), bath 50C, chiller 10C, 170 RPM rotation. Vacuum steps are: 1000→700 mbar (10 min), 700→500 mbar (10 min), 500→180 mbar (20 min), 180 mbar hold (25 min), then stepwise 1 minute each at 200/400/600/800/1000 mbar. This program is sufficient to reduce 80-100 mL 3:1 hexane:acetone to slightly above 1 mL in ~70 minutes, unattended.

- Final volumes of <1.0 mL were obtained through 1 to 2 uses of the program "hex:ace touchup 180", 10 min at 180 mbar, no steps down or up.

9.7. GC/MS. Generally as written in MS026.

9.7.1. For PAH in PUF extracts. see specific GC program and MS acquisition methods, attached to end of this P&I.

9.7.2. For PAH in PUF, per specific project QAPP, include DFTPP at start of sequence and every 12 hours. Also, method blank includes not only extraction blank, but also extraction solvent method blank (extraction solvents + IS, not carried through extraction). Also, one duplicate field sample injection per sequence. No MS/MSDs.

9.7.4. For PAH in PUF, DFTPP per 12 hours. Tailing checks do not apply.

9.7.5. ICAL – as written, except ICAL acceptance criteria (9.7.5.4). All MS026 acceptance criteria apply, however, NATTS-TAD/QAPP also requires reprocessing all calibration points, with 50-150% acceptance limits at the reporting limit and 70-130% acceptance limits at all other calibration levels. This can be conveniently evaluated without saving and re-processing individual calibration points using Agilent Chemstation Environmental Data Analysis software, enhanced 2 command line, calibrate/print calibration curve. In the resulting pdf file, printed per analyte, the column labelled bias% indicates the % deviation between the known concentration, and the concentration calculated by applying the calibration function to the calibration results (area ratios) for a given calibration level. Calibration prints can be partially automated for all compounds in "enhanced 2/calibrate/print calibration curve" and selecting all compounds.

9.7.6. CCV – as written, except QAPP/NATTS-TAD permits slightly looser acceptance criteria of 70-130% (±30%) rather than MS026 criteria of 75-125% (±25%)

10. Quality control. Generally as written, with the following changes (mostly already noted above). Please see also attached QC acceptance criteria from QAPP attached to end of this P&I.

10.1.3. Acceptance criteria for IDOC and ADOC – MRL control limits 50-150% of average MRL. BS control limits 70-130% of average BS, EXCEPT 60-90% limits for naphthalene through fluorene.

10.2.1. As noted previously, dftpp before each sequence and every 12 hours, performed in scan mode. Tailing factors do not apply.

10.2.2, 10.2.2.1 ICAL. Acceptance criteria noted as in 9.7.5 above. Resolution check >50% for benzo(b)fluoranathene and benzo(k)fluoranthene on midlevel ICAL and CCVs.

10.2.3 Continuing calibration. As noted in 9.7.6 above and in 10.2.2/10.2.2.1 above, 70-130% (±30%) rather than MS026 criteria of 75-125% (±25%), and 50% resolution check on non-baseline-resolved isomers (only benzo(b) and benzo(k) fluoranthenes, in IDOC data)

10.2.4 as is.

10.2.5 as is.

10.3 Quality control for batch samples.

10.3.1 Surrogates. The IDOC demonstrated recovery of field and laboratory surrogates through laboratory operations (extraction, concentration and analysis). IDOC samples were not deployed to the field, so recovery of field surrogates through the entire process will be assessed with the first field samples.

10.3.1.a. Hi-vol samplers (PUF plugs). NATTS-TAD/QAPP fixed recovery limits of 90% ± 30% for pyrene-d10, fluoranthene-d10, and benzo(a)pyrene-d12. Recovery limits of 60 ± 30% recovery limits for fluorene-d10.

10.3.1.b. Passive samples (PUF disks). NATTS-TAD/QAPP fixed recovery limits of 90% ± 30% for pyrene-d10, fluoranthene-d10, and benzo(a)pyrene-d12. Recovery limits of 60 ± 30% recovery limits for fluorene-d10. However, due to the volatility of field surrogate fluoranthene-d10, high losses may be expected from field spikes onto passive sampler disks, which are deployed 30 days under ambient field conditions. Recoveries of fluoranthene-d10 below 70-130% in passive disk PUF field samples will result in application of a "Q" flag to the LIMS report data, but will not result in application of a J

(estimated concentration) qualifier on target compounds in the ASB data report. The significance of fluoranthene-d10 recoveries in passive samples will be evaluated by ARD project personnel.

10.3.2. Blanks. NATTS-TAD/QAPP criteria of <1/5th MRL or <1/5th reported result. To report to RL, effective limits 50 ng for naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, acenaphthylene, acenaphthene, fluorene, and phenanthrene, and 10 ng for all other PAH, as documented in IDOC spreadsheet. In addition to procedural extraction blanks performed 1 per batch of ≤20 field samples, extraction solvents are monitored through an extraction solvent blank (extraction solvent + IS), with acceptance criteria < MDL. These will be performed per lot of extraction solvent and documented in level 4 data packages but not in LIMS reports.

10.3.3 RL verification. Fixed 50-150% acceptance limits per NATTS-TAD/QAPP.

10.3.4. BS/BSD. Fixed 60% ± 30% recovery limits for naphthalene, 2-methylnaphthalene, 1-methylnaphthalene, acenaphthylene, acenaphthene, and fluorene. Fixed 90% ± 30% recovery limits for all other analytes. 30% RPD limit for BSD.

10.3.5 MS/MSD not applicable as previously noted.

10.3.6. Duplicate injections of a field sample extract, one per sequence, 10% RPD acceptance criteria.

11. **Data and records management.**

11.1 Data package – ARD has requested level 4 data packages, including copy of CoCs in the data package, and has also requested reporting to MDL. All data between RL and MDL will be qualified J, estimated.

11.2 As is

11.3 LIMS data entry. The name of this analysis in LIMS is currently "SVOA PAHs in PUF by press. fluid extr (SIM)" with matrix set to wipes. Following this IDOC package, that analysis will be set to inactive, and two analyses will be activated: "SVOA PAHs in PUF plugs by press. fluid extr (SIM)" and "SVOA PAHs in PUF plugs by press. fluid extr (SIM)" both with matrix wipes, to capture the different MDLs associated with each sampling medium.

Attachments:

1. IDOC spreadsheets
   - Plugs: Blanks, Reporting limit spikes, Blank spikes, Surrogates, Method MDL and RL
   - Disks: Blanks, Reporting limit spikes, Blank spikes, Surrogates, Method MDL and RL
   - Project MDL and RL vs project threshold concentrations

2. GC conditions

3. MS conditions

4. Copy of Burns Harbor QAPP Table 5-2, Acceptance Criteria for the B[a]P Monitoring Study

D:\MassHunter\GCMS\1\methods\acquisition\PAHSIMPulsedSpliless_MS21_210305KL.M
Fri Mar 26 09:31:13 2021

Control Information

Sample Inlet : GC
Injection Source : GC ALS
Injection Location: Front
Mass Spectrometer : Enabled

No Sample Prep method has been assigned to this method.

GC
GC Summary

Run Time	20 min
Post Run Time	0 min

Oven

Temperature	
Setpoint	On
(Initial)	55 °C
Hold Time	1 min
Post Run	55 °C
Program	
#1 Rate	25 °C/min
#1 Value	255 °C
#1 Hold Time	1 min
#2 Rate	10 °C/min
#2 Value	320 °C
#2 Hold Time	3.5 min
Equilibration Time	0.5 min
Max Temperature	325 °C
Maximum Temperature Override	Disabled
Slow Fan	Disabled

ALS
Front Injector

Syringe Size	10 µL
Injection Volume	1 µL
Solvent A Washes (PreInj)	2
Solvent A Washes (PostInj)	4
Solvent A Volume	4 µL
Solvent B Washes (PreInj)	4
Solvent B Washes (PostInj)	4
Solvent B Volume	4 µL
Sample Washes	2
Sample Wash Volume	4 µL
Sample Pumps	4
Dwell Time (PreInj)	0 min
Dwell Time (PostInj)	0 min
Solvent Wash Draw Speed	300 µL/min
Solvent Wash Dispense Speed	3000 µL/min
Sample Wash Draw Speed	300 µL/min
Sample Wash Dispense Speed	3000 µL/min
Injection Dispense Speed	6000 µL/min
Viscosity Delay	0 sec

Sample Depth	Disabled
Injection Type	Standard
L1 Airgap	0 µL
Solvent Wash Mode	A, B
Sample Overlap	
Mode	Sample overlap is not enabled
ALS Errors	Pause for user interaction
Front SS Inlet He	
Mode	Pulsed Splitless
Heater	On 290 °C
Pressure	On 21.103 psi
Total Flow	On 33.5 mL/min
Septum Purge Flow	On 2.5 mL/min
Septum Purge Flow Mode	Standard
Pre-Run Flow Test	Off
Gas Saver	Off
Injection Pulse Pressure	40 psi Until 21.64 min
Purge Flow to Split Vent	30 mL/min at 0.75 min
Liner	Agilent 5190-2293: 900 µL (Splitless, single taper, wool, Ultra)
Column	
Column #2	
Pressure	
Setpoint	On
(Initial)	21.103 psi
Post Run	0 psi
Column Information	Agilent 121-5622: 1
Description	DB-5.625
Temperature Range	-60 °C—325 °C (350 °C)
Dimensions	20 m x 180 µm x 0.36 µm (Uncalibrated)
Column lock	Unlocked
In	Front SS Inlet He
Out	MSD
(Initial)	55 °C
Pressure	21.103 psi
Flow	1 mL/min
Average Velocity	44.745 cm/sec
Holdup Time	0.74496 min
Control Mode	Constant Pressure
Column Outlet Pressure	0 psi
Detector Evaluation	
Perform Detector Evaluation Test	Off
Signal Selected	No Signal Selected
Checkout Sample	None
MSD Transfer Line	
Temperature	
Setpoint	On
(Initial)	300 °C

Signals	
Signal #1: Test Plot	
Description	Test Plot
Save	Off
Data Rate	50 Hz
Dual Injection Assignment	Front Sample

```
Signal #2:  Test Plot
Description                                    Test Plot
Save                                           Off
Data Rate                                      50 Hz
Dual Injection Assignment                      Back Sample

Signal #3:
Description                                    None

Signal #4:
Description                                    None

Signal #5:
Description                                    None

Signal #6:
Description                                    None

Signal #7:
Description                                    None

Signal #8:
Description                                    None
```

```
                        TUNE PARAMETERS for SN: US2049M008
                        ----------------------------------

 Trace Ion Detection is OFF.

    34.593   :   EMISSION
    70.007   :   ENERGY
     1.300   :   REPELLER
    83.900   :   IONFOCUS
    22.672   :   ENTRANCE_LENS
   825.124   :   EMVOLTS
                             1004  : Actual EMV
                              1.00   : GAIN FACTOR
  1186.000   :   AMUGAIN
   139.375   :   AMUOFFSET
     1.000   :   FILAMENT
     0.000   :   DCPOLARITY
    12.032   :   ENTLENSOFFSET
    10.002   :   Ion_Body
    -1.799   :   EXTLENS
  -632.000   :  MASSGAIN
   -25.000   :  MASSOFFSET

                        END OF TUNE PARAMETERS
                        ----------------------


                        END OF INSTRUMENT CONTROL PARAMETERS
                        -------------------------------------
```

Single Quadrupole Acquisition Method - MS Parameters Report

Method file	D:\MassHunter\GCMS\1\methods\acquisition \PAHSIMPulsedSpliless_MS21_210305KL.M
Tune file	etune.u
Ion source	EI
Source temperature (°C)	230
Quad temperature (°C)	180
Fixed Electron energy (eV)	70.0
Acquisition Type	SIM
Stop time (min)	10.00
Solvent delay (min)	4.00
Trace Ion Detection	False
Gain Factor	1
EM Saver	False
EM Saver Limit	N/A

Scan Time Segments

Time	Start Mass	End Mass	Threshold	Scan Speed

Timed Events

Time	Type of Event	Parameter

Real-Time Plots

Type of Plot	Label	Low Mass	High Mass
Total Ion	N/A	N/A	N/A
Spectrum	N/A	N/A	N/A

Self-Cleaning Ion Source Parameters

Mode	No Cleaning

SIM Time Segment 1

Group Name	1		
Start Time	4.00		
Resolution	Low		
Detector EMV Override			

Ion mass-to-charge	Dwell time (ms)	Plot This Ion?	Label
108.1	25	NO	NapD8 qual
127	25	NO	Nap qual
128	25	NO	Nap quant
136.1	25	YES	NapD8 quant

Single Quadrupole Acquisition Method - MS Parameters Report

SIM Time Segment 2

Group Name	2		
Start Time	5.59		
Resolution	Low		
Detector EMV Override			

Ion mass-to-charge	Dwell time (ms)	Plot This Ion?	Label
115	25	NO	MeNaps qual2
122.1	25	NO	2MeNapD10 qual2
141	25	NO	MeNaps qual
142	25	NO	MeNaps quant
150.1	25	NO	2MeNapD10 qual
152.1	25	YES	2MeNapD10 quant

SIM Time Segment 3

Group Name	3		
Start Time	6.40		
Resolution	Low		
Detector EMV Override			

Ion mass-to-charge	Dwell time (ms)	Plot This Ion?	Label
76	25	NO	Acy and Ace qual2
151	25	NO	Acy qual
152	25	NO	Acy quant
153	25	YES	Ace quant
154.1	25	NO	Ace qual
162.1	25	NO	Ace-d qual
164.1	25	NO	Ace-d10 quant

Single Quadrupole Acquisition Method - MS Parameters Report

SIM Time Segment 4

Group Name	4		
Start Time	7.34		
Resolution	Low		
Detector EMV Override			

Ion mass-to-charge	Dwell time (ms)	Plot This Ion?	Label
165	25	NO	Fluor qual
166	25	NO	Fluor quant
174.1	25	NO	FLuorD10 qual
176.1	25	YES	FluorD10 quant

SIM Time Segment 5

Group Name	5		
Start Time	8.07		
Resolution	Low		
Detector EMV Override			

Ion mass-to-charge	Dwell time (ms)	Plot This Ion?	Label
152	25	YES	Phen Anth qual2s
160.1	25	NO	PhenD10 qual
176	25	NO	Phen Anth quals
178	25	NO	Phen Anth quants
188.2	25	NO	PhenD10 quant

Single Quadrupole Acquisition Method - MS Parameters Report

SIM Time Segment 6

Group Name	6		
Start Time	9.50		
Resolution	Low		
Detector EMV Override			

Ion mass-to-charge	Dwell time (ms)	Plot This Ion?	Label
101	25	NO	Flanth &Pyr qual2
106	25	NO	Flanth- &PyrD10 qual
200	25	NO	Flanth & Pyr qual
202	25	NO	Flant &Pyr quant
208.1	25	NO	Flanth-& PyrD10 qual2
212.1	25	YES	Flanth- & PyrD10 quant

SIM Time Segment 7

Group Name	7		
Start Time	11.80		
Resolution	Low		
Detector EMV Override			

Ion mass-to-charge	Dwell time (ms)	Plot This Ion?	Label
226	25	NO	benz(a)anth, chry qual
228.1	25	NO	benz(a)anth, chry quant
236.1	25	NO	chryD12 qual
240.1	25	YES	chryD12 quant

Single Quadrupole Acquisition Method - MS Parameters Report

SIM Time Segment 8

Group Name	8		
Start Time	14.02		
Resolution	Low		
Detector EMV Override			

Ion mass-to-charge	Dwell time (ms)	Plot This Ion?	Label
152	25	NO	benzo b,k qual2
250	25	NO	benzo b,k qual
252.1	25	YES	benzo b,k quant

SIM Time Segment 9

Group Name	9		
Start Time	15.20		
Resolution	Low		
Detector EMV Override			

Ion mass-to-charge	Dwell time (ms)	Plot This Ion?	Label
125	25	NO	benzoe+a+pery qual2
132	25	NO	benzoaD12+peryD12 qual2
250	25	NO	benzoe+a+pery qual1
252.1	25	YES	benzoe+a+pery quant
260.1	25	NO	
264.1	25	NO	benzoaD12+peryD12 quant

Single Quadrupole Acquisition Method - MS Parameters Report

SIM Time Segment 10

Group Name	10		
Start Time	16.90		
Resolution	Low		
Detector EMV Override			

Ion mass-to-charge	Dwell time (ms)	Plot This Ion?	Label
138	24	NO	Indeno+benzoghi qual2
139	24	NO	dibenzah qual2
274	24	NO	Indeno+benzoghi qual1
276.1	24	NO	Indeno+ghi quant dibenz qual1
278.1	24	NO	

Pen&Ink Changes

Deviation Type: ☑ One-Time ☐ Continuous **Pen&Ink Reference No:** 25983

A hard copy of the approved Pen&Ink form shall be included in all relevant data packages until the deviation is either no longer applicable or incorporated in the pertinent SOP. When applicable, include this pen&ink reference number in case narratives. Continuous pen&ink changes have a 45-TAT unless an extension is approved.

Attachments Included: ☑ Yes ☐ No

Document Title	MS026 Analysis of acid & base/neutral semivolatiles, P&I 24358 SVOA PAHs in PUF by press. fluid extr (SIM)
Deviation Reason **(Technical Justification)** Additional space on pg 2 if needed	Correction to procedure for monitoring internal standard areas in SVOA analysis of PAHs in PUF as described in P&I 24358
Deviation Section(s)	P&I 24358 attachment 4, Table 5-2, parameter "internal standards"
Existing Language **(Being replaced)** Additional space on pg 2 if needed	see attached (yellow highlighted text): Area response within 50-200% of the response of the mid-level calibration standard in the ICAL.
Revised Language **(Replacing existing language)** Additional space on pg 2 if needed	Area response within 50-200% of the most recent CCV or the midpoint ICAL standard

Qualtrax CC # Or Other Comments	Client consent confirmed, see Client contact #25982
Additional Information	Burns Harbor QAPP & P&I 24358 referred all internal standard areas back to the ICAL based on TO-13A & NATTS-TADD guidance. However, MS026 refers internal standard areas of samples to the most recent CCV, and refers the CCVs back to the midlevel ICAL. The MS026 procedure is better because the most recent CCV is a more accurate reflection of the instrument performance on any given day.

Table 5-2 Acceptance Criteria for the B[a]P Monitoring Study

Parameter **Description and Required Frequency**

Parameter	Description and Required Frequency	Acceptance Criteria	Reference	Category
Continuing Calibration Verification (CCV)	Analysis of a known standard at the mid-range of the calibration curve to verify ongoing instrument calibration. Beginning, every 12 hours, and at the end of each sequence. Opening CCV not required for sequences beginning with an ICAL.	Recovery within ± 70-130% of nominal.	NATTS TAD Section 4.5.5.5.5, TO-13A Section 13.3.5.5, SOP MS026 and/or in P&I xxxxx	Critical and MQO MS026 P&I 24358 KL 3.29.21
Clean Check Blank	A cartridge, quartz fiber filter (QFF) and passive PUF disk selected for analysis to ensure acceptable background levels in the batch of samples. One sample for each batch of prepared samples.	All target compounds each ≤ 10 ng/sample, except for naphthalene which will be <50 ng/sample.	NATTS TAD Section 4.5.3, TO-13A Section 14.2.1, SOP MS026 and/or in P&I xxxxx	Critical and MQO MS026 P&I 24358 KL 3.29.21
Field Surrogate Compounds	Deuterated PAHs which assess recovery during sample collection, handling, and analysis. Added to every cartridge and passive disk prior to field deployment.	Recovery 60-120% of nominal spiked amount, where applicable. See SOP MS026 and/or in P&I xxxxx for specific target compound recoveries. fluoranthene-d10 failures in passive sample disks will be flagged Q and impact evaluated by ARD. KL 3.29.21	NATTS TAD Sections 4.5.3.3 and 4.5.5.5.9, TO-13A Section 13.4.6.3, SOP MS026 and/or in P&I xxxxx	Critical and MQO MS026 P&I 24358 KL 3.29.21
Internal Standards (IS)	Deuterated PAHs added to extracts to assess the impact of and correct for variability in instrument response. Added to all calibration standards, QC samples, and field sample extracts except the SB.	Area response within 50-200% of the response of the mid-level calibration standard in the ICAL.	NATTS TAD Section 4.5.5.5.8, TO-13A Section 13.4.7, SOP MS026 and/or in P&I xxxxx	Critical and MQO MS026 P&I 24358 KL 3.29.21
Extraction Surrogate Compounds	Deuterated PAHs which assess recovery during sample extraction and analysis. Added to media before extraction.	Recovery 60-120% of nominal spiked amount. 30-90% limits for fluorene-d10 KL 3.29.21	NATTS TAD Sections 4.5.5.1.4.2 and 4.5.5.5.9, TO-13A Section 13.4.6.3, SOP MS026 and/or in P&I xxxxx	Critical and MQO MS026 P&I 24358 KL 3.29.21

DRAFT

From:	Thomas, Saphique
To:	Leckrone, Kristen; Healy, Kathleen
Cc:	Presmanes, Cristina; Nguyen, Mai; Wroble, Amanda
Subject:	RE: Request for Burns Harbor pen & ink modification
Date:	Thursday, July 15, 2021 12:07:11 PM

Hi Kristen – It looks good. Thanks for sending.

Saphique Thomas
Physical Scientist
Region 5 EPA
Clean Air Strategies Section
(312) 886-7897
[she/her]

From: Leckrone, Kristen <leckrone.kristen@epa.gov>
Sent: Thursday, July 15, 2021 10:24 AM
To: Thomas, Saphique <Thomas.Saphique@epa.gov>; Healy, Kathleen <healy.kathleen@epa.gov>
Cc: Presmanes, Cristina <Presmanes.Cristina@epa.gov>; Nguyen, Mai <Nguyen.Mai@epa.gov>; Wroble, Amanda <wroble.amanda@epa.gov>
Subject: RE: Request for Burns Harbor pen & ink modification

Good morning, Saphique,

Please see attached draft P&I 25983 regarding Burns Harbor project, change to internal standard areas references, as discussed. It's probably a formality, since we already discussed, but please confirm if you're ok with the attached draft P&I, which I'm sending through the review/approval process today.

Kristen Leckrone

U.S. EPA Region 5 - Analytical Services Branch
Drinking Water Laboratory Certification Officer
GC/MS Group Lead
536 S. Clark St, ML-10C, Chicago IL 60605
312-353-9068

From: Thomas, Saphique <Thomas.Saphique@epa.gov>
Sent: Monday, July 12, 2021 11:33 AM
To: Leckrone, Kristen <leckrone.kristen@epa.gov>; Healy, Kathleen <healy.kathleen@epa.gov>
Cc: Presmanes, Cristina <Presmanes.Cristina@epa.gov>; Nguyen, Mai <Nguyen.Mai@epa.gov>
Subject: RE: Request for Burns Harbor pen & ink modification

Thanks, Kristen.

Saphique Thomas
Physical Scientist
Region 5 EPA
Clean Air Strategies Section
(312) 886-7897
[she/her]

From: Leckrone, Kristen <leckrone.kristen@epa.gov>
Sent: Monday, July 12, 2021 11:32 AM
To: Thomas, Saphique <Thomas.Saphique@epa.gov>; Healy, Kathleen <healy.kathleen@epa.gov>
Cc: Presmanes, Cristina <Presmanes.Cristina@epa.gov>; Nguyen, Mai <Nguyen.Mai@epa.gov>
Subject: RE: Request for Burns Harbor pen & ink modification

Great, thanks for the quick response. Mai or I will generate a P&I and route it for approval prior to reporting this next package. I will cc you on a draft of it.

From: Thomas, Saphique <Thomas.Saphique@epa.gov>
Sent: Monday, July 12, 2021 11:29 AM
To: Leckrone, Kristen <leckrone.kristen@epa.gov>; Healy, Kathleen <healy.kathleen@epa.gov>
Cc: Presmanes, Cristina <Presmanes.Cristina@epa.gov>; Nguyen, Mai <Nguyen.Mai@epa.gov>
Subject: RE: Request for Burns Harbor pen & ink modification

Hi Kristen – Thanks for the information. You have our go ahead to make the edits. We will likely set up a weekly or bi-weekly call to go over any issues or updates for the project.

Thanks,

Saphique Thomas
Physical Scientist
Region 5 EPA
Clean Air Strategies Section
(312) 886-7897
[she/her]

From: Leckrone, Kristen <leckrone.kristen@epa.gov>
Sent: Friday, July 9, 2021 12:17 PM
To: Thomas, Saphique <Thomas.Saphique@epa.gov>; Healy, Kathleen <healy.kathleen@epa.gov>
Cc: Presmanes, Cristina <Presmanes.Cristina@epa.gov>; Nguyen, Mai <Nguyen.Mai@epa.gov>
Subject: Request for Burns Harbor pen & ink modification

Good afternoon, Saphique, Katie & Christina,

While generating the L4 data package for the first Burns Harbor work orders, I realized that there is an inconsistency between ASB's MS026, and the Burns Harbor QAPP (which is also incorporated into MS026 Pen & Ink 24358), related to how internal standard absolute areas are assessed. It's a little

hard to explain without getting too deep into the weeds, but I'll try.

- QAPP (& therefore P&I 24358) say measure the area of internal standards in all injections relative to the area of the internal standard in the midlevel initial calibration point (midlevel ICAL).

- MS026 standard practice is to measure the area of internal standards in the continuing calibration verification standards relative to the area of the midlevel internal standard in the initial calibration, but then, for all the injections that follow the midlevel CCV, measure the area of internal standards relative to the most recent midlevel CCV, rather than referring all the way back to the area of the midlevel ICAL.

Big picture, in the long term cartoon of multiple instrument sequences, what this means is:

ICAL5;
CCV1, sa, sa, sa, sa, sa, sa, … sa, CCV2;
CCV1, sa, sa, sa, sa, sa, sa, … sa, CCV2, sa, sa, sa, sa, sa, sa, …., sa, CCV3
CCV1, sa, sa, sa, sa, sa, sa, … sa, CCV2;
CCV1, sa, sa, sa, sa, sa, sa, … sa, CCV2;
CCV1, sa, sa, sa, sa, sa, sa, … sa, CCV2;
etc

This goes on for weeks, where ICAL5 happens on day 1. Every CCV (ie, CCV1, CCV2 and for really long sequences, CCV3 if used), is a re-injections of ICAL 5 which bracket each new 12-hour performance period in which samples are run. The entire sequence returns to ICAL when a CCV doesn't pass its performance criteria (of which there are many; absolute area of the internal standards is only one of them), if the failure cannot be corrected by small-scale instrument maintenance (such as replacing septa, cleaning the injector, replacing autosampler syringes, etc).

So the QAPP and P&I currently say to refer every CCV ***and every sample*** all the way back to the ICAL. MS026 says to refer every CCV back to the ICAL, but refer every sample back to its most recent preceding CCV. Regardless of whether the reference point is the ICAL5 or a CCV, the limits are the same, ie, area in the injection must be 50-200% of the reference point.

I'm proposing a pen & ink to follow the MS026 standard practice, rather than the QAPP/P&I procedure, for several reasons:

- Our calibrations are holding for quite a long time, ie, we run many sequences over several weeks on the same calibration. Every sequence opens with a miclevel CCV, which is a fresh re-injection of the mid-level standard from the ICAL. Although that re-injection is compared back to the ICAL, it is the most recent injection of the midlevel calibration standard, and in a sense, a more accurate reflection of the instrument performance on any given day.
- We would still retain the option to refer back to the ICAL, if for some reason the midlevel CCV showed deteriorating-but-still-acceptable performance, but generally the most recent

injection of the midlevel calibration standard is the most viable measure of instrument sensitivity, which does drift (both upward and downward) over time.

- Also just practically speaking, our spreadsheets are set up for the MS026 way, so will require modification to do it as described in the QAPP. I did it the QAPP way for the first data package, and it was fine, but I am sort of stalling at changing the spreadsheet template to the QAPP setup, because I don't think it's really the best way.

This was a detail that I didn't really notice at the time we generated the QAPP and P&I, at which point I really didn't have any sense for how long our ICALs would last. If our ICALs weren't holding very long, I probably wouldn't bother addressing it. But I do think that the MS026 procedure is really the technically more accurate way of doing things, and I'd like to correct course now, before we get deeper into the data package assembly for more work orders.

Please discuss among yourselves or whoever needs to be in the discussion, and let me know if this would be an acceptable modification to ARD. I haven't written the formal P&I yet, just want to float the trial balloon before proceeding.

Best,
Kristen

Kristen Leckrone

U.S. EPA Region 5 - Analytical Services Branch
Drinking Water Laboratory Certification Officer
GC/MS Group Lead
536 S. Clark St, ML-10C, Chicago IL 60605
312-353-9068

Pen&Ink Changes

Deviation Type: ☐ One-Time ☑ Continuous **Pen&Ink Reference No:** 21549

A hard copy of the approved Pen&Ink form shall be included in all relevant data packages until the deviation is either no longer applicable or incorporated in the pertinent SOP. When applicable, include this pen&ink reference number in case narratives. Continuous pen&ink changes have a 45-TAT unless an extension is approved.

Attachments Included: ☐ Yes ☑ No

Document Title	MS037 v.5 Standard Operating Procedure for Verification of Mass Spectrometry Data.
Deviation Reason **(Technical Justification)** Additional space on pg 2 if needed	Clarification for qualification of volatiles data.
Deviation Section(s)	Sections 5.4, 5.10.
Existing Language **(Being replaced)** Additional space on pg 2 if needed	SOP MS037 section 5.4 for CCVs If the CCV criteria detailed in the determinative SOP are not met, recommended qualifications for field samples are detailed in Table 3. SOP MS037 for CCVs and Table 3 Recommended analyte qualifiers when the ICAL and/or ICV criteria are not met Qualify detected and non-detected target analytes as estimated ("J"/"UJ") and either describe the issue in the case narrative or also add the "CCV" qualifier. Alternatively, the analyst may choose to evaluate bias. If CCV results are bias high only detected analytes will be qualified as "K". If CCV results are bias low, then the detected and non-detected analytes will be qualified as "L/UJ". SOP MS037 section 5.10 for MS/MSDs MS/MSD data are evaluated by reviewing qualitative identification and quantitation of the target analytes from the raw data and in the LIMS data entry table by comparing recovery of each target analyte to control limits provided in the determinative SOP. Target analyte recovery (and potentially RPD) is evaluated in the MS/MSD QC samples against criteria listed in the determinative SOP, as well as any project-specific criteria (e.g., MS/MSD criteria in the QAPP). Verify that MS/MSD QC samples were included at the minimum frequency specified in the preparative or determinative SOP (e.g., one MS/MSD pair per batch, if sufficient material is provided). If the client designated a certain sample for MS/MSD, verify that sample was used. Qualify target analytes in the field sample selected for matrix spiking that do not meet the recovery criteria specified in the determinative SOP as described in Table 7 below, unless otherwise directed in the determinative SOP, and either document in the case narrative or also add the "MS" qualifier to automatically include a description in the report. When any target analytes are measured in the field sample selected for matrix spiking at a concentration > 50% of the equivalent matrix spike concentration, assessing spike recovery is more problematic and data qualifiers based on MS/MSD recovery are not recommended. For cases such as these, the analyst should consider ignoring recovery and solely evaluating precision of MS/MSD results using RPD criteria. Refer to Sec. 5.11 for guidance on evaluating data based on duplicate RPD criteria.
Revised Language **(Replacing existing language)** Additional space on pg 2 if needed	SOP MS037 section 5.4 for CCVs If the CCV criteria detailed in the determinative SOP are not met, recommended qualifications for field samples are detailed in Table 3. Each CCV is evaluated independently and each affects qualification of samples before and after it (until the next CCV in the sequence.) For volatiles analysis continuing calibration verifications may be referred to in the SOP as "CCVs", "LCSs" or "BSs", however, they are all entered into bench sheets and uploaded into LIMS as BS/BSDs. The criteria in Table 3 apply to qualification of BS/BSDs for all volatiles methods. SOP MS037 for CCVs and Table 3 Recommended analyte qualifiers when the CCV criteria are not met Qualify detected and non-detected target analytes as estimated ("J") and either describe the issue in the case narrative or also add the "(CCV)" descriptive qualifier. Alternatively, the analyst may choose to evaluate bias. If CCV results are biased high, only detected analytes will be qualified as "K". If CCV results are biased low, then the detected and non-detected analytes will be qualified as "L and J respectively". SOP MS037 section 5.10 for MS/MSDs MS/MSD data are evaluated by reviewing qualitative identification and quantitation of the target analytes from the raw data and in the LIMS data entry table by comparing recovery of each target analyte to control limits provided in the determinative SOP. Target analyte recovery (and potentially RPD) is evaluated in the MS/MSD QC samples against criteria listed in the determinative SOP, as well as any project-specific criteria (e.g., MS/MSD criteria in the QAPP). For volatiles analyses, each MS or MSD is evaluated independently and each affects qualification of the source sample. Also for volatiles analyses, Table 7 does not apply; see Section 5.4 for MS and MSD flagging recommendations (replacing descriptive qualifier "CCV" with "MS".) Verify that MS/MSD QC samples were included at the minimum frequency specified in the preparative or determinative SOP, if sufficient material is provided. If the client designated a certain sample for MS/MSD, verify that sample was used. Qualify target analytes in the field sample selected for matrix spiking that do not meet the recovery criteria specified in the determinative SOP as described in Table 7 below, unless otherwise directed in the determinative SOP, and either document in the case narrative or also add the "MS" qualifier to automatically include a description in the report. F When any target analytes are measured in the field sample selected for matrix spiking at a concentration > 50% of the equivalent matrix spike concentration, assessing spike recovery is more problematic and data qualifiers based on MS/MSD recovery are not recommended. For cases such as these, the analyst should consider ignoring recovery and solely evaluating precision of MS/MSD results using RPD criteria. Refer to Sec. 5.11 for guidance on evaluating data based on duplicate RPD criteria.

Qualtrax CC # Or Other Comments	The data qualification scheme for volatiles analyses (water, soil, or air) is different from the data qualification scheme for extractables' analyses (i.e. semi-volatiles, GC methods) but these differences are not very clearly documented in MS037. Discussed with group members individually in response to questions in Dec., clarified via email 12/13/2020, discussed as an MS group on 1/8/2020. Also discussed with an individual group member on 3/11/2020.
Additional Information	National Functional Guidelines for Organic Superfund Methods Data Review. OLEM 9355.0-136. EPA-540-R-2017-002. January 2017. https://www.epa.gov/sites/production/files/2017-01/documents/national_functional_guidelines_for_organic_superfund_methods_data_review_013072017.pdf [See Trace, Low/Medium VOA sections V (for continuing calibration verification) and VIII (for MS/MSD).]

ENVIRONMENTAL PROTECTION AGENCY #1
Office of Enforcement

Ø4

REGION 5
77 West Jackson Boulevard
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.

PROJECT NAME: Burns Harbor PAH Air sampling

Activity Code:

SAMPLERS: *(Print Name and Sign)*
Kate Hale
Katie Healy

STA. NO.	DATE	TIME (CST)	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Analyte:						TAG NUMBERS
OGD-P1	5/3/21	08:54	X		Ogden Dunes	1							OGD-P1-1, 4/1/21, 11:21 CST
FEN-P1	5/3/21	10:05	X		West Fenceline	1							FEN-P1-1, 4/1/21, 11:59 CST
FEN-P2	5/3/21	10:11	X		West Fenceline	1							FEN-P2-1, 4/1/21, 11:55 CST
HWY-P1	5/3/21	09:24	X		South HWY 12	1							HWY-P1-1, 4/1/21, 13:10 CST
SAM-P1	5/3/21	09:47	X		South ArcelorMittal Entrance	1							SAM-P1-1, 4/1/21, 11:40 CST

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	Ship To:
	5/3/21 4:40 CST		
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*	ATTN:
Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)* — Date / Time: 3/4/21 1740	Airbill Number
			Chain of Custody Seal Number

Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File

Printed on Recycled Paper/Printed with Soy-Based Ink

210500 1

5-66021

ENVIRONMENTAL PROTECTION AGENCY #2
Office of Enforcement

Ø.1

REGION 5
77 West Jackson Boulevard
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.

PROJECT NAME: Burns Harbor PAH Air Sampling

Activity Code:

SAMPLERS: (Print Name and Sign)
Kate Halle Kate Halle
Katie Healy Kathleen Healy

STA. NO.	DATE	TIME (CST)	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Analyte:						TAG NUMBERS
FBP-HWY	5/3/21	09:26		X	South HWY 12	1							FBP-HWY-2,
FBP-SAM	5/3/21	09:49		X	South ArcelorMittal Entrance	1							FBP-SAM-2
FBP-FEN	5/3/21	10:07		X	West Fenceline	1							FBP-FEN-2
FBP-OGD	5/3/21	08:56		X	Ogden Dunes	1							FBP-OGD-2

Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Kate Halle	5/3/21 4:38 CST	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) / Date / Time
		3/4/21 ~~1538~~ 1738

Ship To:

ATTN:

Airbill Number

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File

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2105001

5-66022

ENVIRONMENTAL PROTECTION AGENCY #3
Office of Enforcement

Ø.4

REGION 5
77 West Jackson Boulevard
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
	Burns Harbor PAH Air Sampling

SAMPLERS: (Print Name and Sign)
Kate Haile Kate Haile
Katie Healy Kathleen Healy

Activity Code:

STA. NO.	DATE	TIME (CST)	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Analyte:						TAG NUMBERS
TBP	5/3/21	00:00			Trip Blank	1							TBP-2
FBP-XAC	5/3/21	13:17		X	Xact - NIPSCO	1							FBP-XAC-2
FBP-BHP	5/3/21	11:22		X	Burns Harbor - Port of Indiana	1							FBP-BHP-2
FBP-PTG	5/3/21	12:28		X	Portage - HWY 12	1							FBP-PTG-2
BLK-P	5/3/21	00:00			Blank Spike Check	1							BLK-P-1, 4/1/21

Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Kate Haile	5/3/21 4:37 CST	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) / Date / Time
		3/11/21 1737

Ship To:

ATTN:

Airbill Number

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File

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21Ø5ØØ1

5-66023

ENVIRONMENTAL PROTECTION AGENCY #4
Office of Enforcement

Q.Ø

REGION 5
77 West Jackson Boulevard
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.

PROJECT NAME: Burns Harbor PAH Air Sampling

Activity Code:

SAMPLERS: (Print Name and Sign)
Kate Haile ~~Kate Haile~~
Katie Healy Kathleen Healy

STA. NO.	DATE	TIME (CST)	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Analyte:						TAG NUMBERS
BHP-P2	5/3/21	11:26	X		Burns Harbor - Port of Indiana	1							BHP-P2-1, 4/1/21, 12:25 CST
PTG-P2	5/3/21	12:34	X		Portage - HWY 12	1							PTG-P2-1, 4/1/21, 12:51 CST
XAC-P1	5/3/21	13:14	X		Xact - NIPSCO	1							XAC-P1-1, 4/1/21, 10:43 CST
PTG-P1	5/3/21	12:25	X		Portage - HWY 12	1							PTG-P1-1, 4/1/21, 12:48 CST
BHP-P1	5/3/21	11:20	X		Burns Harbor - Port of Indiana	1							BHP-P1-1, 4/1/21, 12:21 CST

Relinquished by: (Signature)	Date / Time	Received by: (Signature)
~~Kathleen~~	5/3/21 16:34 CST	
Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) / Date / Time
		3/11/21 1734

Ship To:

ATTN:

Airbill Number

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File

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21Ø5ØØ1

5-66024

ENVIRONMENTAL PROTECTION AGENCY #5
Office of Enforcement

0.3

REGION 5
77 West Jackson Boulevard
Chicago, Illinois 60604

CHAIN OF CUSTODY RECORD

PROJ. NO.

PROJECT NAME: Burns Harbor - PAH Air Sampling

Activity Code:

SAMPLERS: *(Print Name and Sign)* Scott Keller Scott Keller

STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	Analyte:						TAG NUMBERS
BHP-A	4/30	0:00	X		Burns Harbor - Port	1							BHP-A-5
PTG-A	4/30	0:00	X		Portage Hwy 12	1							PTG-A-5
XAC-A	4/30	0:00	X		XACT - NIPSCO	1							XAC-A-5
BLK-A	4/30	0:00			BLANK Spike Check	2							BLK-A-#5 SK 5/3/21

Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Scott Keller	5/3/21 2:30 CST	Kathleen Healy
Relinquished by: *(Signature)*	Date / Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date / Time	Received for Laboratory by: *(Signature)* / Date / Time
Kathleen Healy	5/3/21 4:35 CST	3/11/21 1735

Ship To:

ATTN:

Airbill Number

Chain of Custody Seal Numbers

Distribution: White - Accompanies Shipment; Pink - Coordinator Field Files; Yellow - Laboratory File

Printed on Recycled Paper/Printed with Soy-Based Ink

2105001

5-65983

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210329_PUFcleanedcheck\
Data File : GCMS21_210329_09A.D
Acq On : 29 Mar 2021 18:33
Operator : MN
Sample : B21C044-BLK3
Misc :
ALS Vial : 8 Sample Multiplier: 1

This blank documents the acceptability of PUFs cleaned 03.24.21. deployed to field for samples -01, -02, -04, -05, -06, -09, and -17. All target analytes were < 1/5th the MRL, as required as a precondition for use. MN 07.28.21 & KL 7/29/21.

Quant Time: Mar 30 08:52:47 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210308.M
Quant Title : BURNSHABOR 20210202
QLast Update : Mon Mar 08 17:35:35 2021
Response via : Initial Calibration

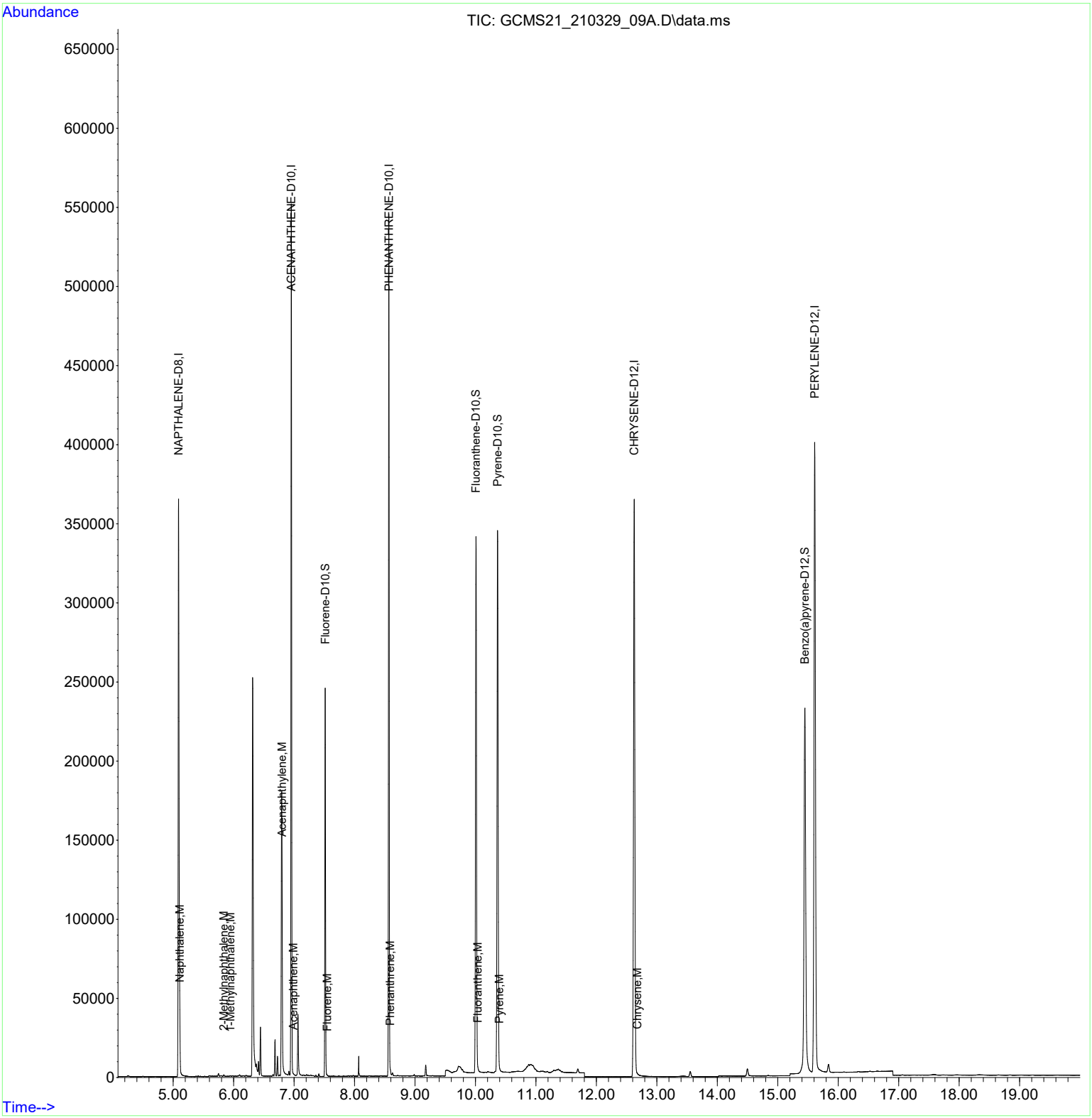
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	5.090	136	356562	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.953	164	221388	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	8.567	188	401046	500.00	ng/mL	0.00
16) CHRYSENE-D12	12.626	240	431489	500.00	ng/mL	0.00
21) PERYLENE-D12	15.610	264	467601	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0	0.00	ng/mL	
9) Fluorene-D10	7.516	176	101497	195.33	ng/mL	0.00
14) Fluoranthene-D10	10.009	212	306795	350.42	ng/mL	0.00
17) Pyrene-D10	10.365	212	319214	309.06	ng/mL	0.00
26) Benzo(a)pyrene-D12	15.450	264	283544m	353.03	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	5.112	128	1300	1.75	ng/mL	100
4) 2-Methylnaphthalene	5.837	142	384	0.76	ng/mL	94
5) 1-Methylnaphthalene	5.945	142	156m	0.34	ng/mL	
7) Acenaphthylene	6.802	152	119	0.17	ng/mL#	1
8) Acenaphthene	6.990	153	119	0.22	ng/mL#	1
10) Fluorene	7.546	166	154	0.26	ng/mL	91
12) Phenanthrene	8.592	178	1267	1.36	ng/mL	95
13) Anthracene	0.000		0	N.D.	d	
15) Fluoranthene	10.038	202	784	0.81	ng/mL#	71
18) Pyrene	10.397	202	398	0.35	ng/mL#	39
19) Benzo(a)anthracene	0.000		0	N.D.	d	
20) Chrysene	12.675	228	131m	0.12	ng/mL	
22) Benzo(b)fluoranthene	0.000		0	N.D.	d	
23) Benzo(k)fluoranthene	0.000		0	N.D.	d	
24) benzo(b+k)fluoranthene...	0.000		0	N.D.	d	
25) Benzo(e)pyrene	0.000		0	N.D.	d	
27) Benzo(a)pyrene	0.000		0	N.D.	d	
28) Perylene	0.000		0	N.D.	d	
29) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.	d	
30) Dibenz(a,h)anthracene	0.000		0	N.D.		
31) Benzo(g,h,i)perylene	0.000		0	N.D.	d	

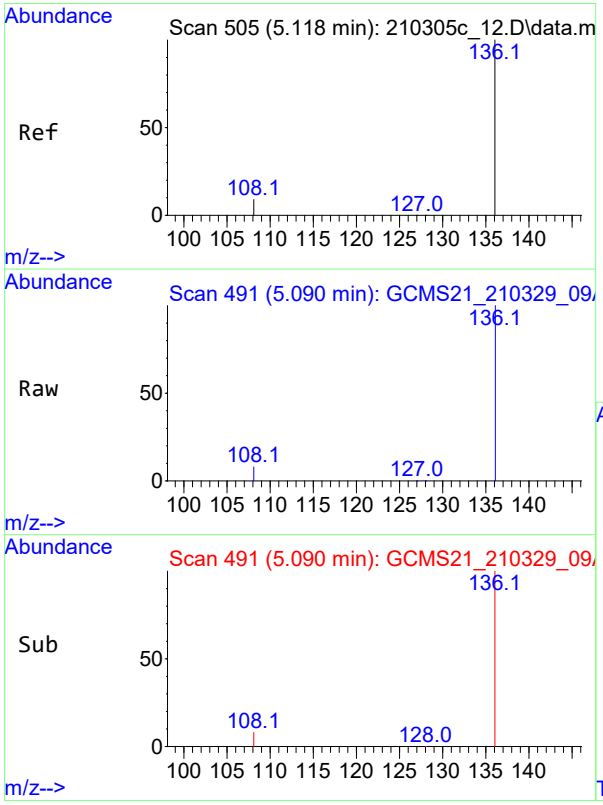
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210329_PUFcleanedcheck\
Data File : GCMS21_210329_09A.D
Acq On : 29 Mar 2021 18:33
Operator : MN
Sample : B21C044-BLK3
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 30 08:52:47 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210308.M
Quant Title : BURNSHABOR 20210202
QLast Update : Mon Mar 08 17:35:35 2021
Response via : Initial Calibration

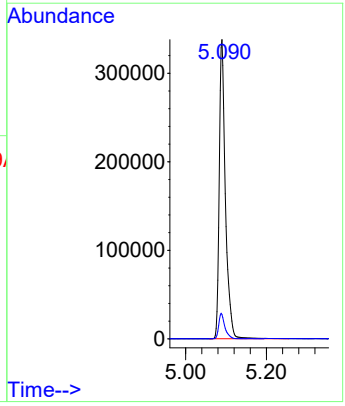


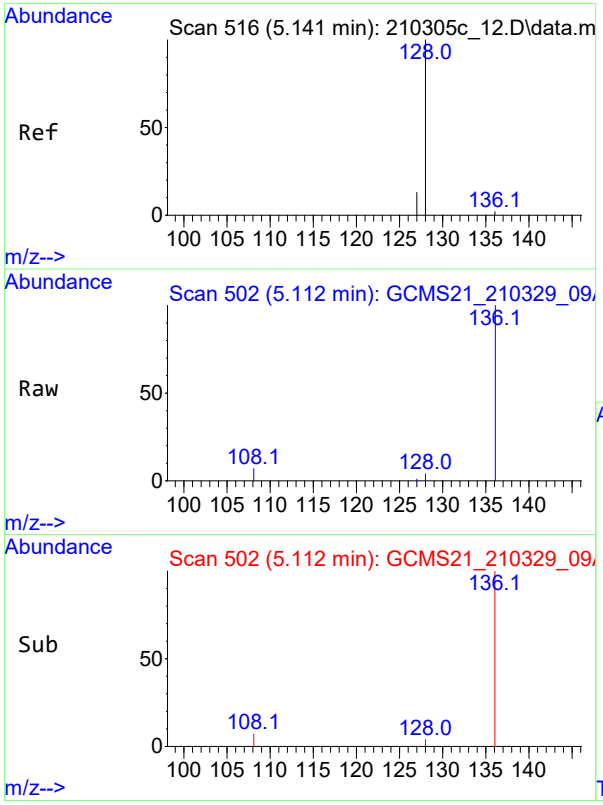


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 5.090 min Scan# 491
Delta R.T. -0.004 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:136 Resp: 356562

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.3

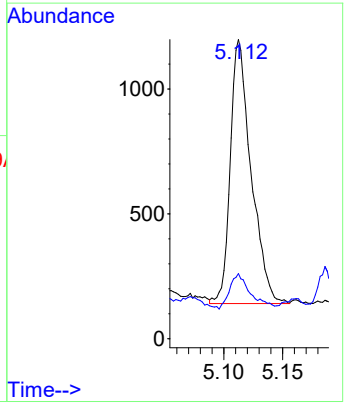


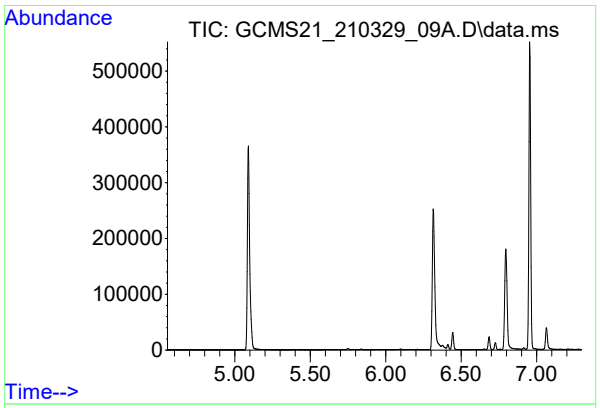


#2
Naphthalene
Concen: 1.75 ng/mL
RT: 5.112 min Scan# 502
Delta R.T. -0.001 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:128 Resp: 1300

Ion	Ratio	Lower	Upper
128	100		
127	13.4	0.0	43.3



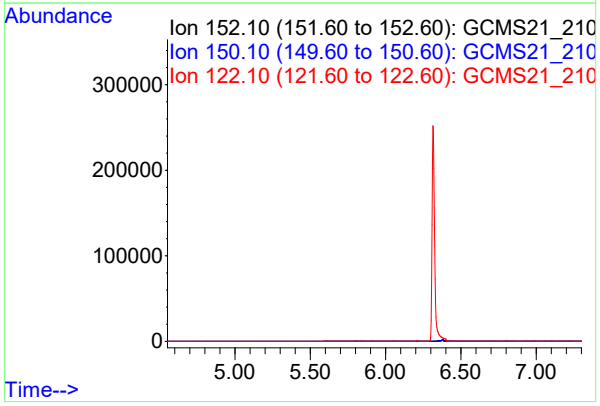


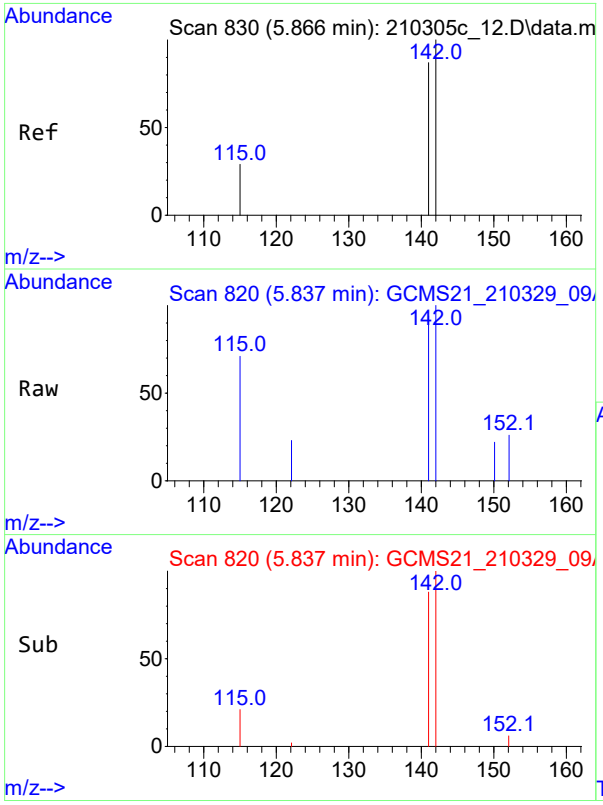
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.80 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.9
122	29.5

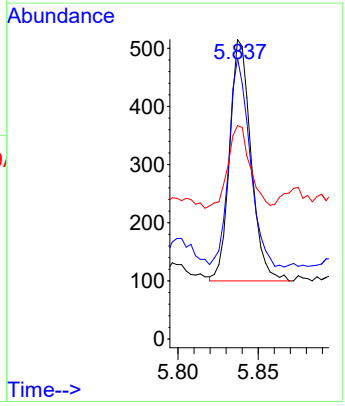


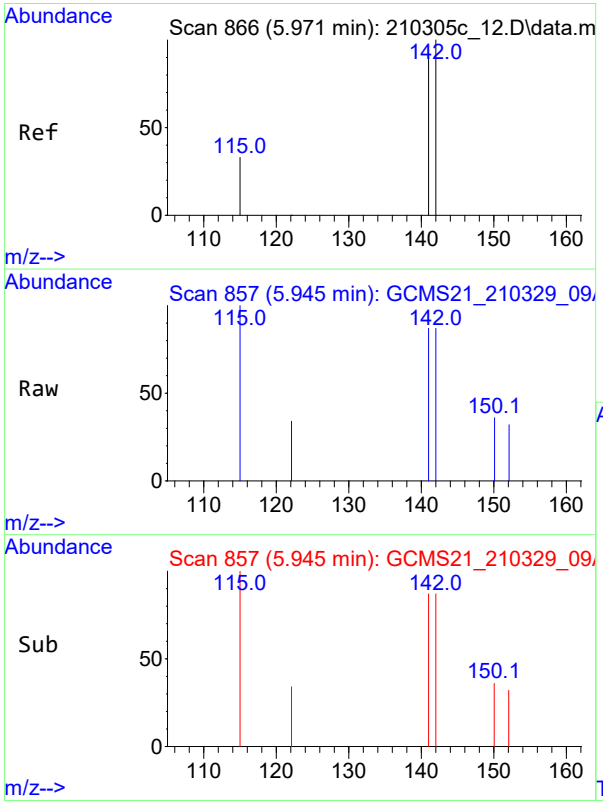


#4
2-Methylnaphthalene
Concen: 0.76 ng/mL
RT: 5.837 min Scan# 820
Delta R.T. -0.003 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:142 Resp: 384

Ion	Ratio	Lower	Upper
142	100		
141	84.9	57.9	117.9
115	35.4	0.0	58.6

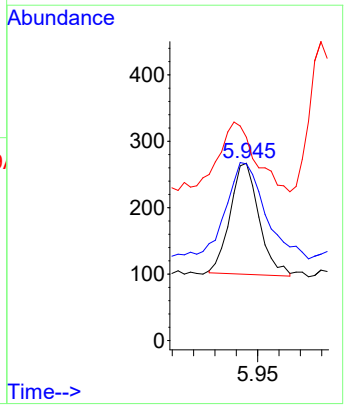


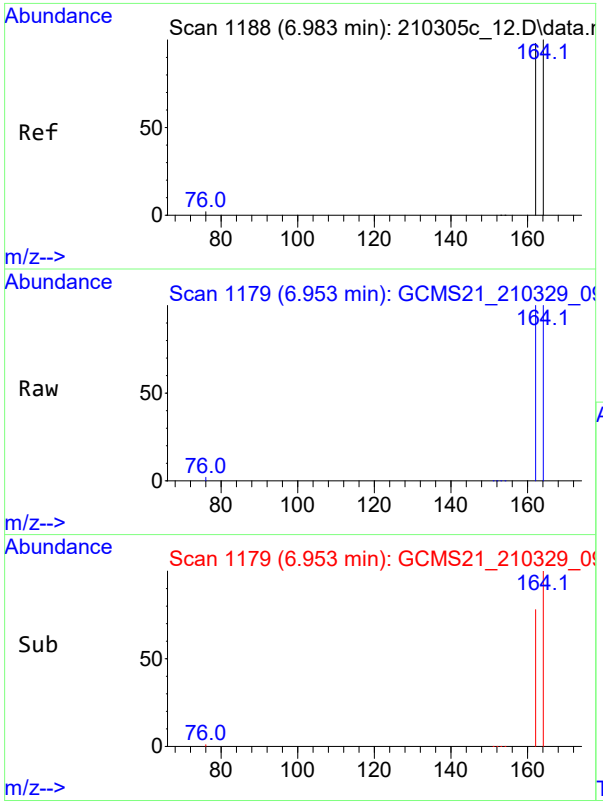


#5
1-Methylnaphthalene
Concen: 0.34 ng/mL m
RT: 5.945 min Scan# 857
Delta R.T. 0.000 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:142 Resp: 156

Ion	Ratio	Lower	Upper
142	100		
141	103.2	64.1	119.1
115	71.8	21.7	40.3#

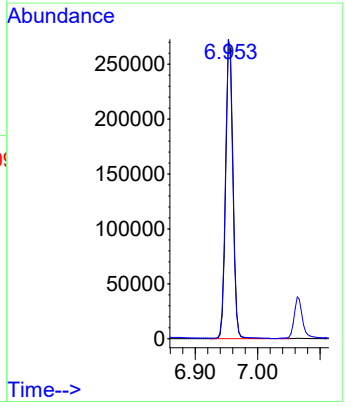


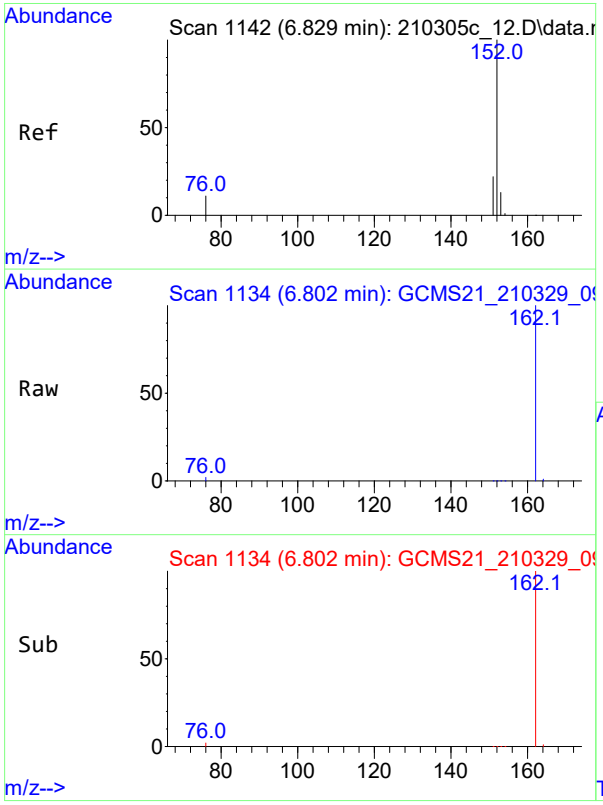


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.953 min Scan# 1179
Delta R.T. -0.003 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:164 Resp: 221388

Ion	Ratio	Lower	Upper
164	100		
162	99.1	78.7	118.7

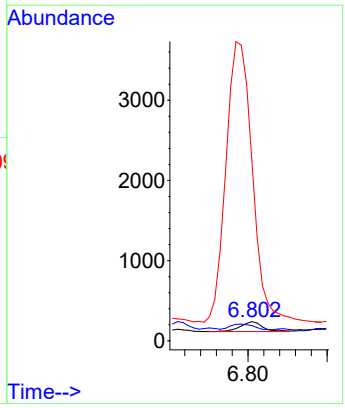


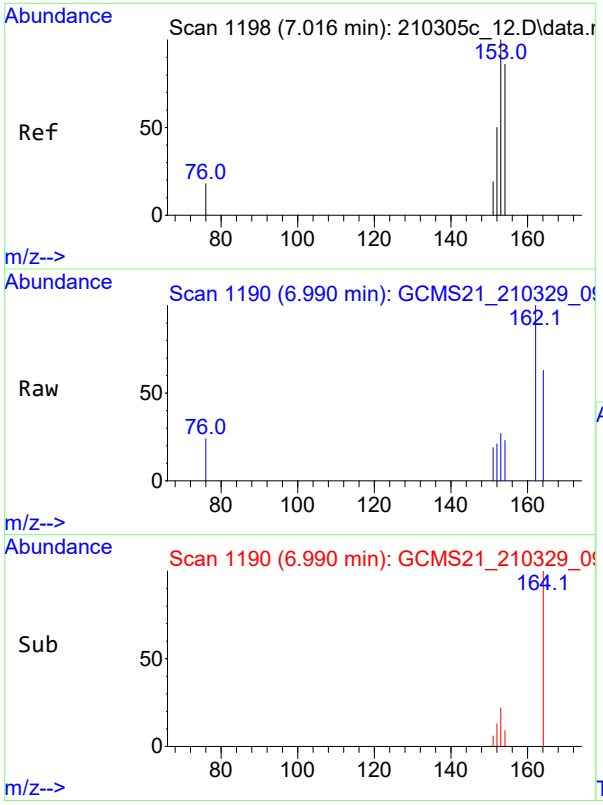


#7
Acenaphthylene
Concen: 0.17 ng/mL
RT: 6.802 min Scan# 1134
Delta R.T. -0.002 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:152 Resp: 119

Ion	Ratio	Lower	Upper
152	100		
151	0.0	0.0	51.8
76	3561.3	0.0	40.5#

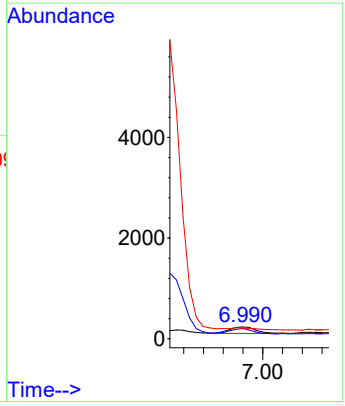


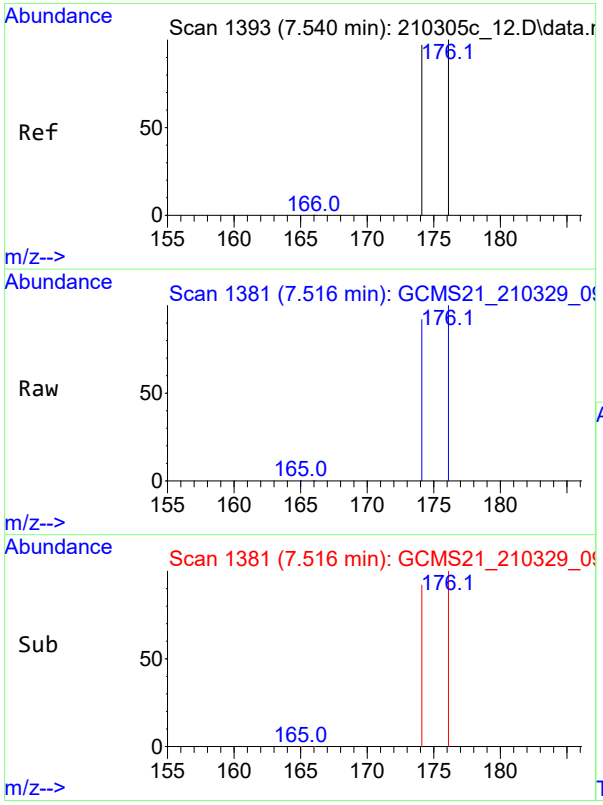


#8
Acenaphthene
Concen: 0.22 ng/mL
RT: 6.990 min Scan# 1190
Delta R.T. 0.002 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:153 Resp: 119

Ion	Ratio	Lower	Upper
153	100		
154	831.9	55.7	115.7#
76	3966.4	0.0	50.4#

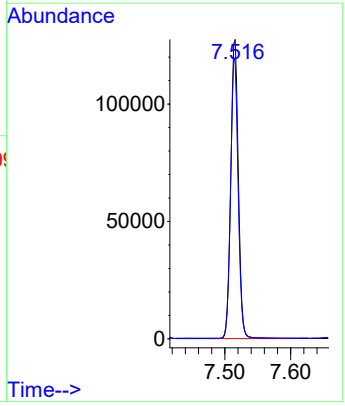


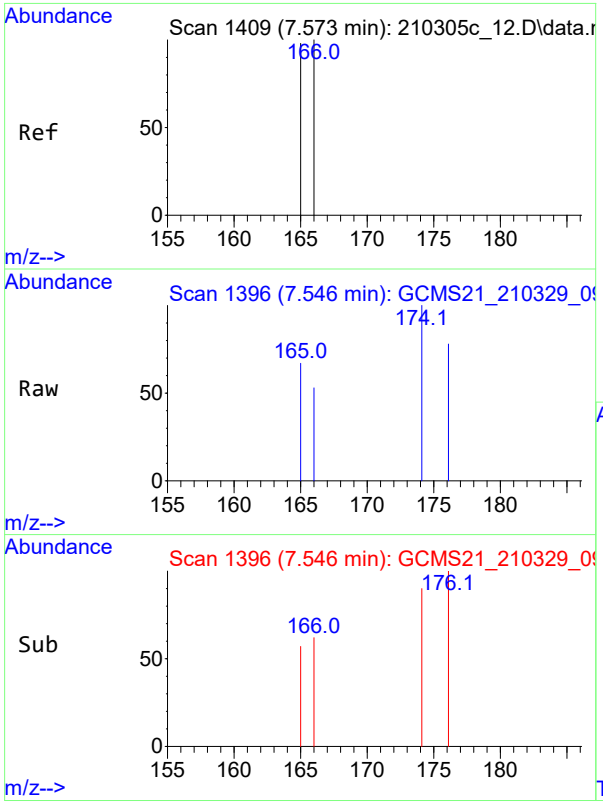


#9
Fluorene-D10
Concen: 195.33 ng/mL
RT: 7.516 min Scan# 1381
Delta R.T. 0.003 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:176 Resp: 101497

Ion	Ratio	Lower	Upper
176	100		
174	93.8	67.4	125.2

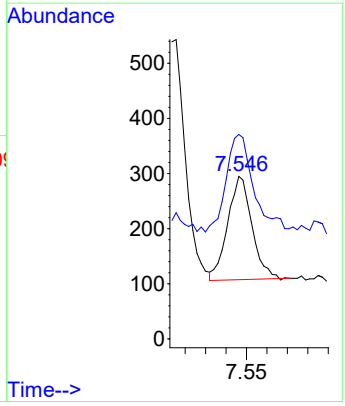


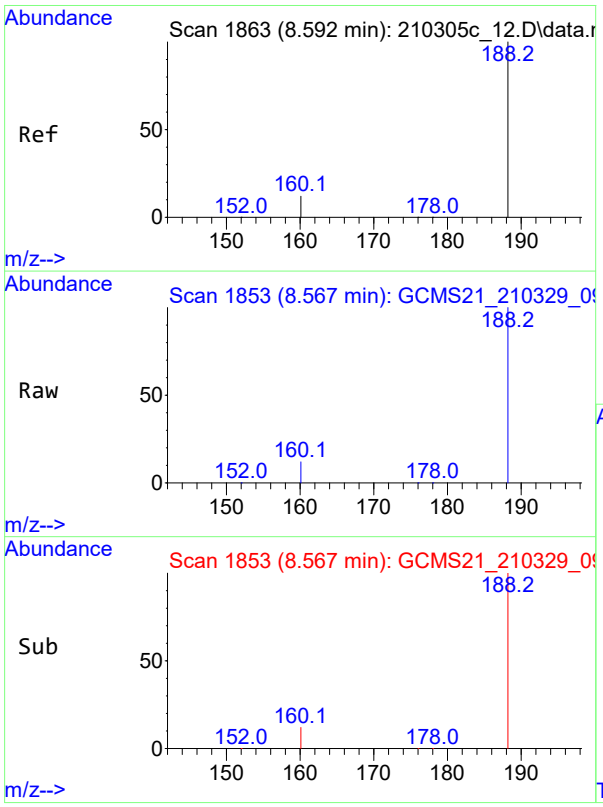


#10
Fluorene
Concen: 0.26 ng/mL
RT: 7.546 min Scan# 1396
Delta R.T. 0.002 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:166 Resp: 154

Ion	Ratio	Lower	Upper
166	100		
165	107.1	68.1	128.1

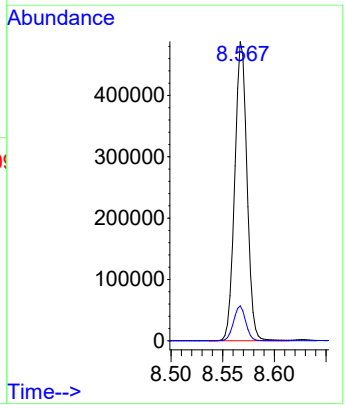


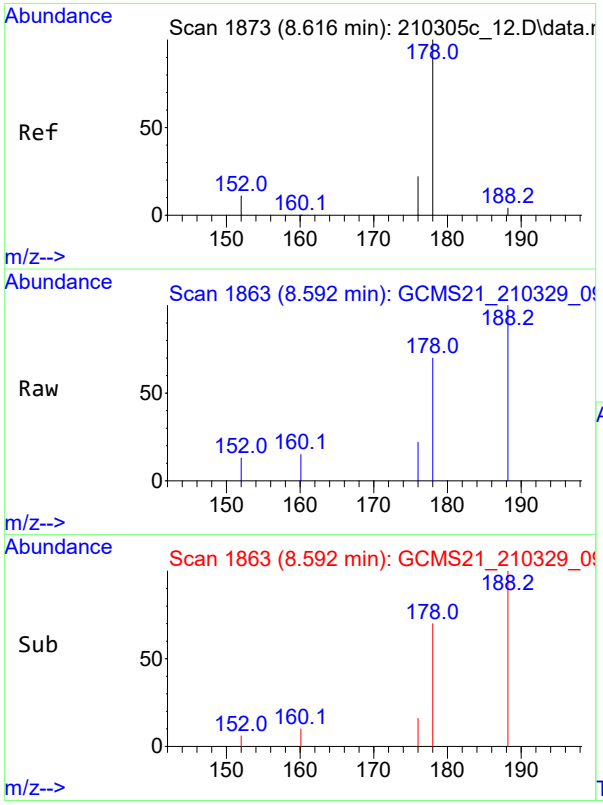


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 8.567 min Scan# 1853
Delta R.T. 0.000 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:188 Resp: 401046

Ion	Ratio	Lower	Upper
188	100		
160	11.6	0.0	41.3

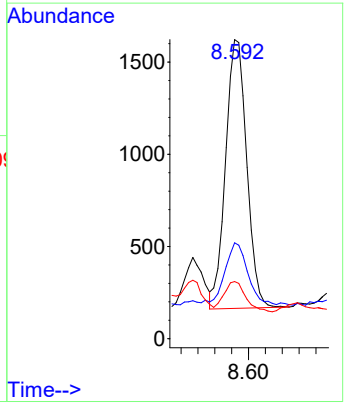


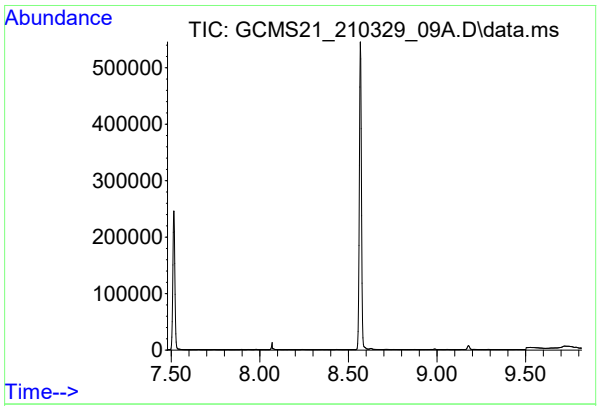


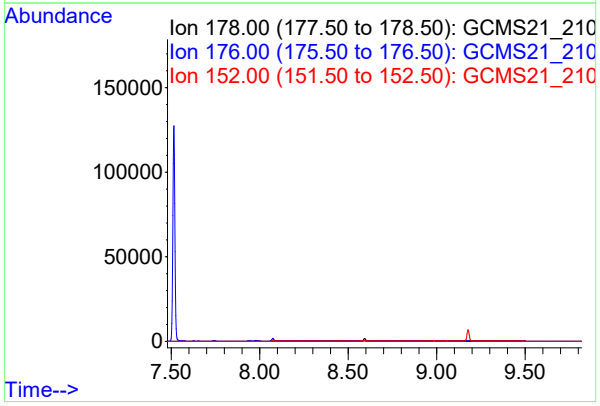
#12
Phenanthrene
Concen: 1.36 ng/mL
RT: 8.592 min Scan# 1863
Delta R.T. 0.000 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:178 Resp: 1267

Ion	Ratio	Lower	Upper
178	100		
176	24.5	0.0	51.6
152	11.5	0.0	41.0





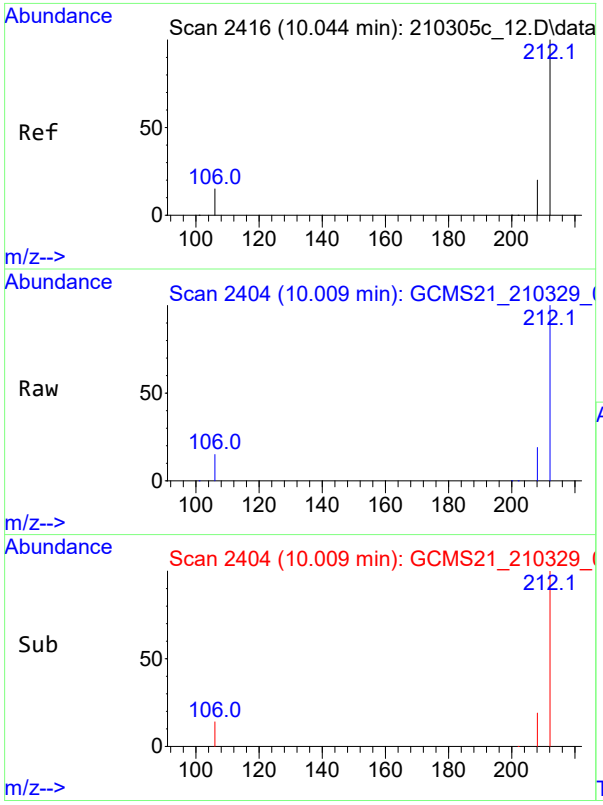


#13
Anthracene
Concen: N.D.
Expected RT: 8.65 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 178

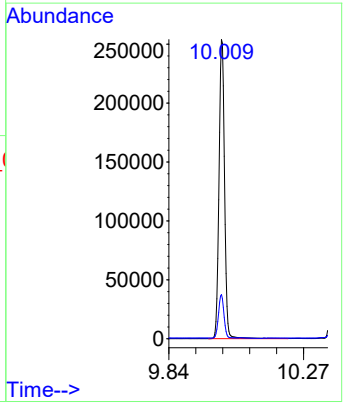
Sig	Exp Ratio
178	100
176	21.0
152	9.2

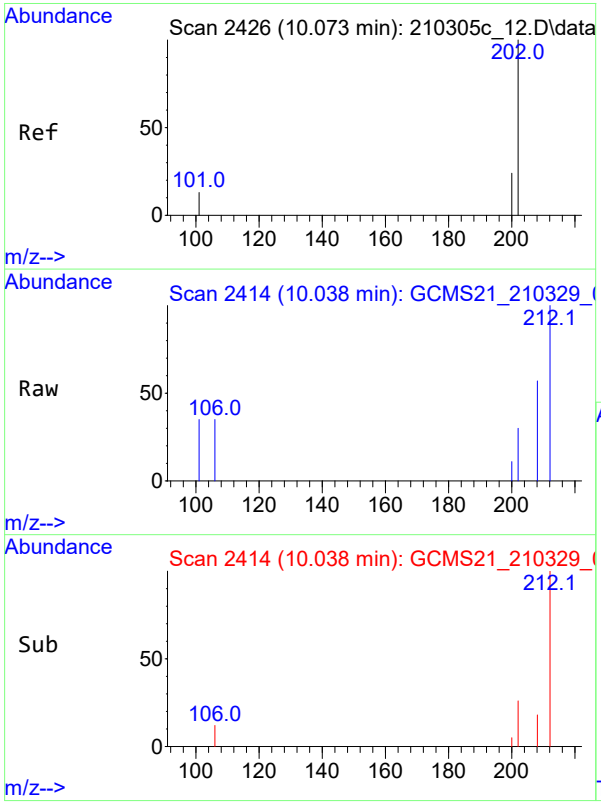


#14
Fluoranthene-D10
Concen: 350.42 ng/mL
RT: 10.009 min Scan# 2404
Delta R.T. -0.008 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:212 Resp: 306795

Ion	Ratio	Lower	Upper
212	100		
106	14.4	10.6	19.6

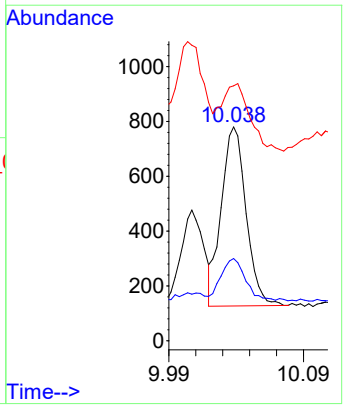


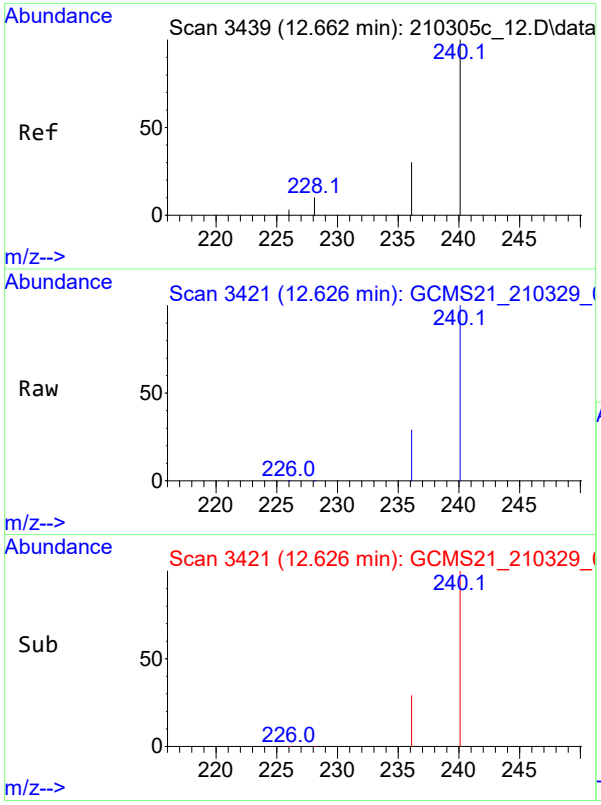


#15
Fluoranthene
Concen: 0.81 ng/mL
RT: 10.038 min Scan# 2414
Delta R.T. 0.000 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:202 Resp: 784

Ion	Ratio	Lower	Upper
202	100		
200	22.4	0.0	53.7
101	44.0	0.0	42.5#

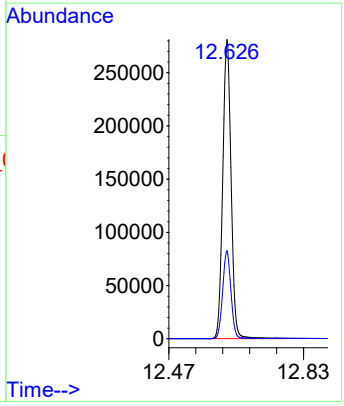


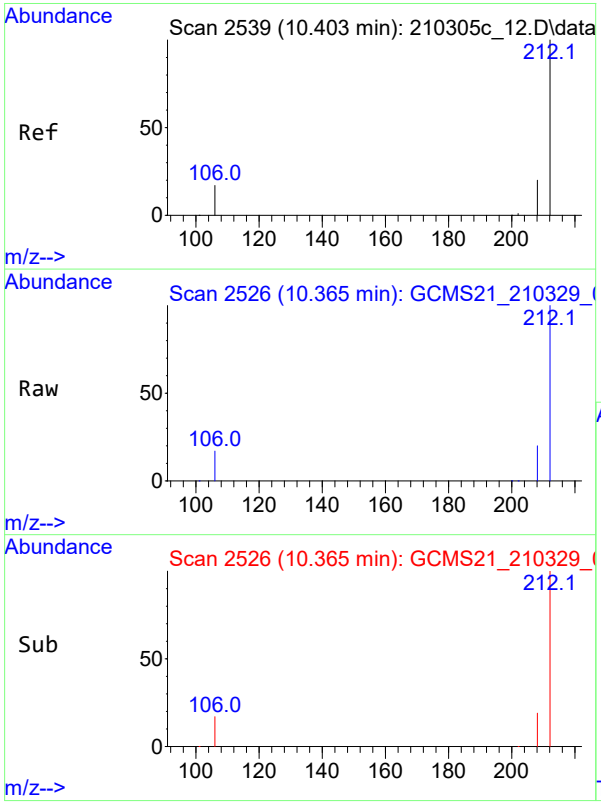


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 12.626 min Scan# 3421
Delta R.T. 0.000 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:240 Resp: 431489

Ion	Ratio	Lower	Upper
240	100		
236	29.3	0.0	59.4

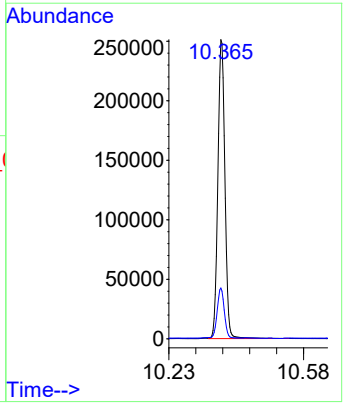


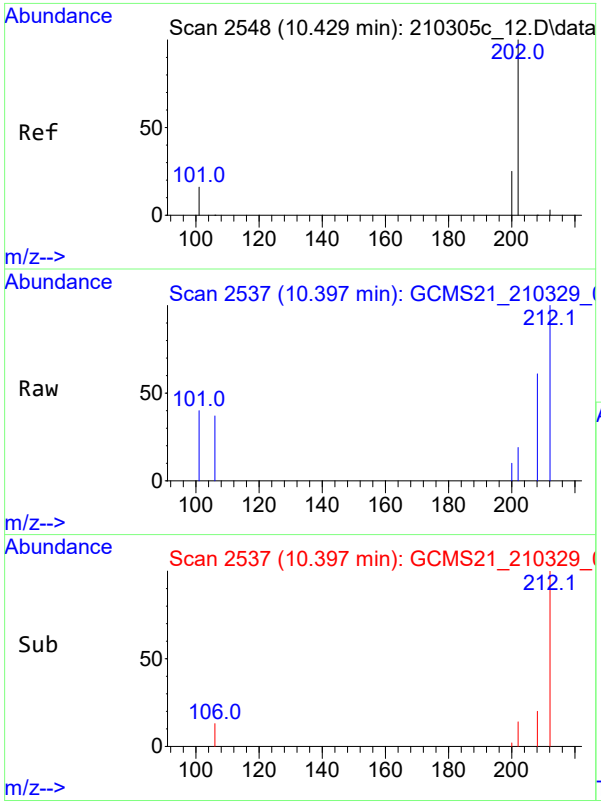


#17
Pyrene-D10
Concen: 309.06 ng/mL
RT: 10.365 min Scan# 2526
Delta R.T. 0.000 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:212 Resp: 319214

Ion	Ratio	Lower	Upper
212	100		
106	17.1	11.8	22.0

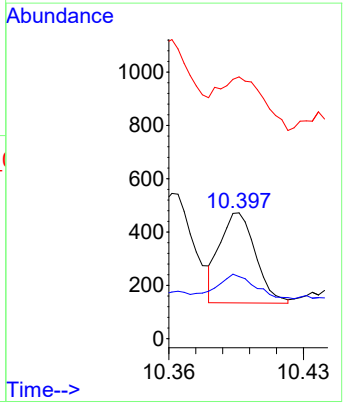


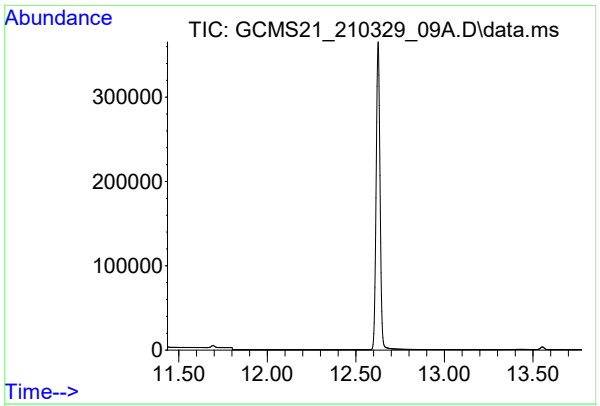


#18
Pyrene
Concen: 0.35 ng/mL
RT: 10.397 min Scan# 2537
Delta R.T. 0.000 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:202 Resp: 398

Ion	Ratio	Lower	Upper
202	100		
200	28.6	0.0	53.8
101	74.6	0.0	44.1#



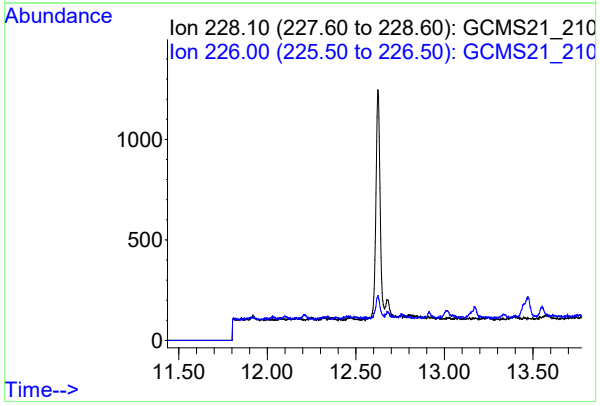


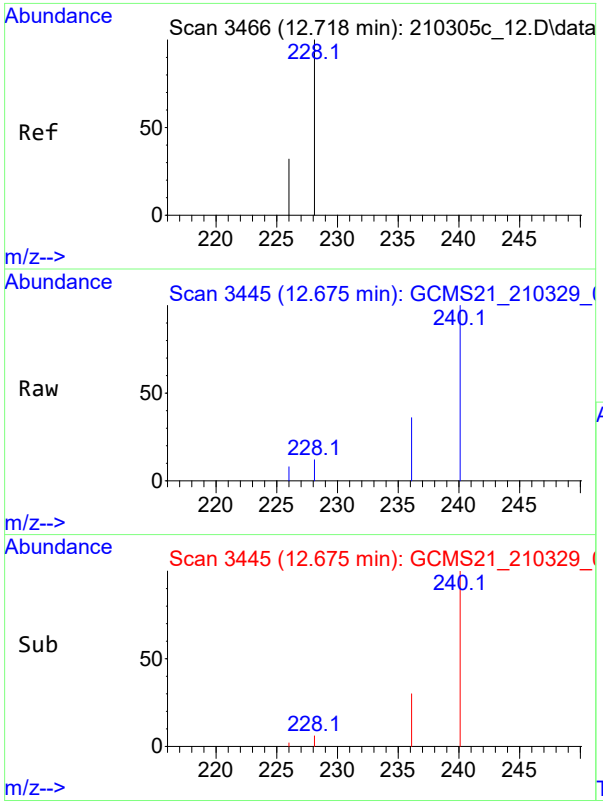
#19
Benzo(a)anthracene
Concen: N.D.
Expected RT: 12.61 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 228

Sig	Exp Ratio
228	100
226	29.9

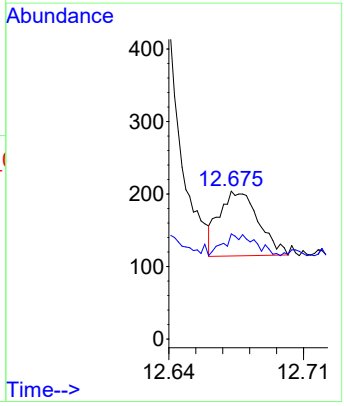


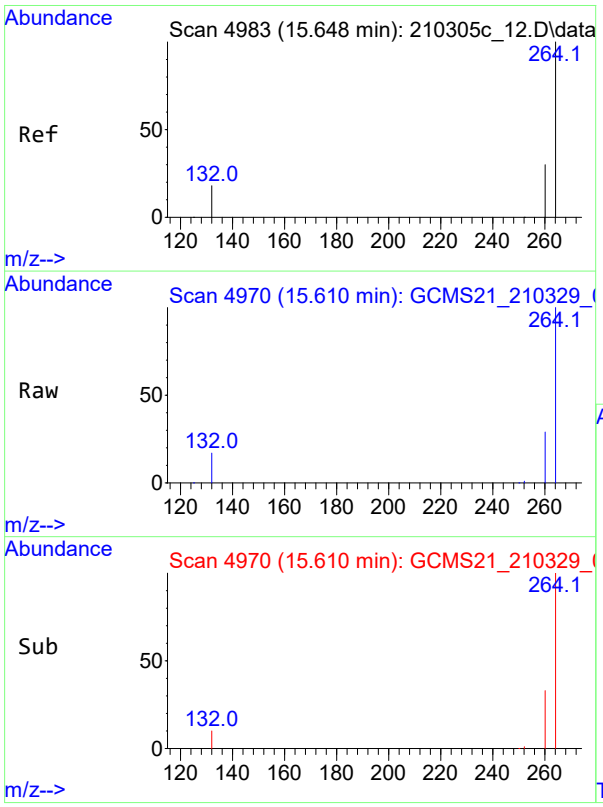


#20
Chrysene
Concen: 0.12 ng/mL m
RT: 12.675 min Scan# 3445
Delta R.T. -0.004 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:228 Resp: 131

Ion	Ratio	Lower	Upper
228	100		
226	19.1	2.5	62.5

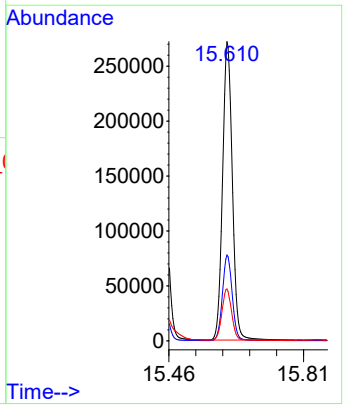


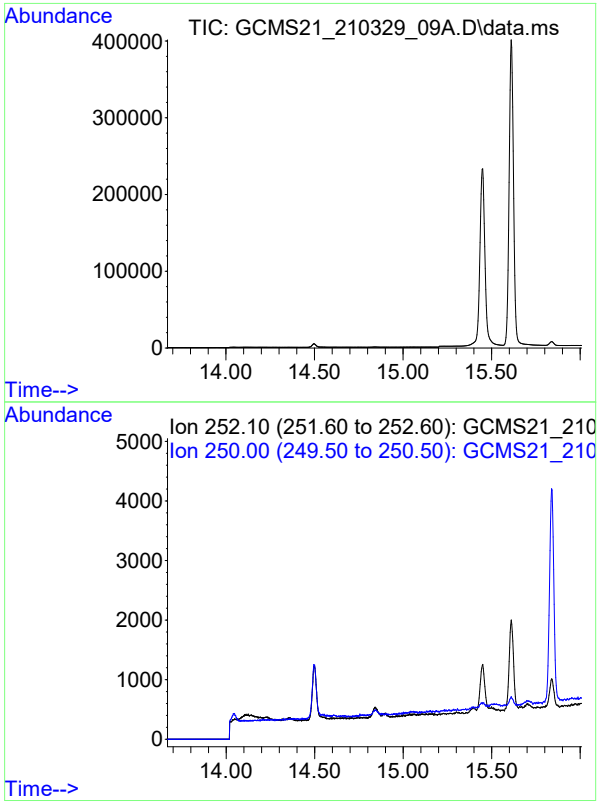


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 15.610 min Scan# 4970
Delta R.T. -0.000 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:264 Resp: 467601

Ion	Ratio	Lower	Upper
264	100		
260	28.8	0.0	58.8
132	17.0	0.0	47.2



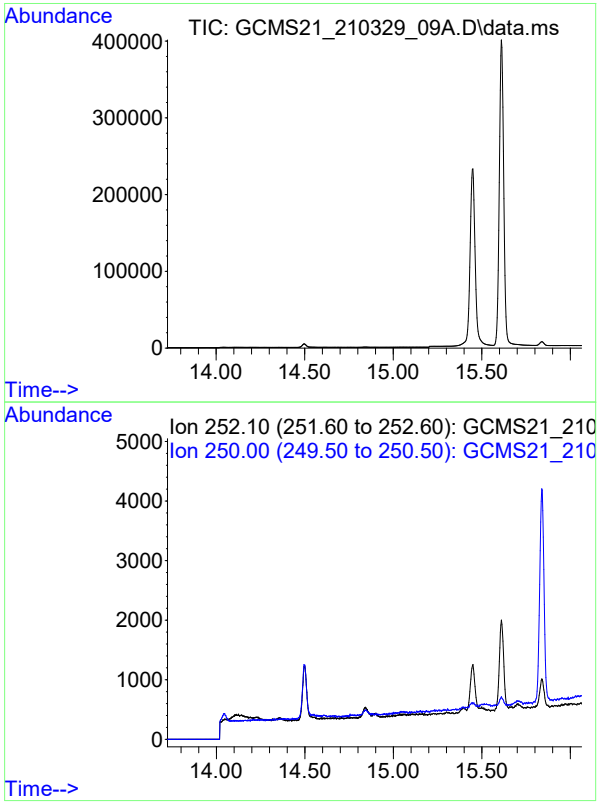


#22
Benzo(b)fluoranthene
Concen: N.D.
Expected RT: 14.84 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	27.2

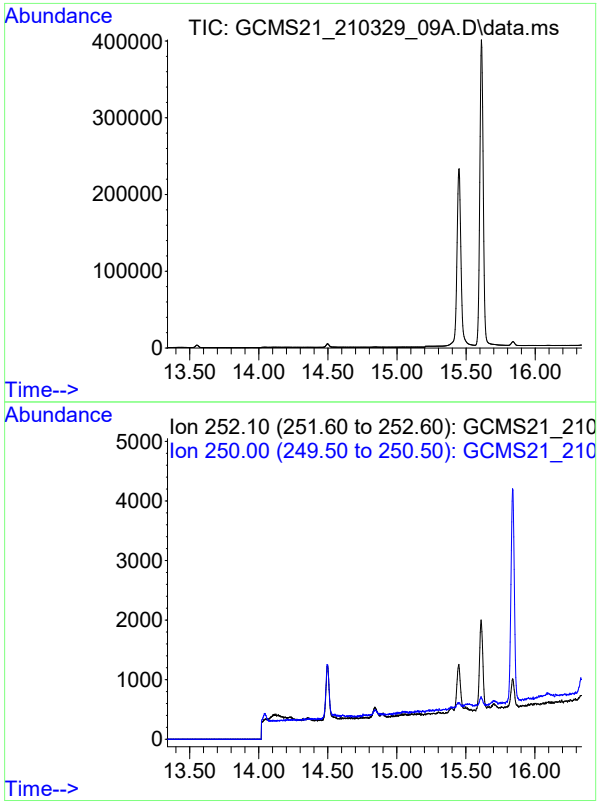


#23
Benzo(k)fluoranthene
Concen: N.D.
Expected RT: 14.89 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	26.2

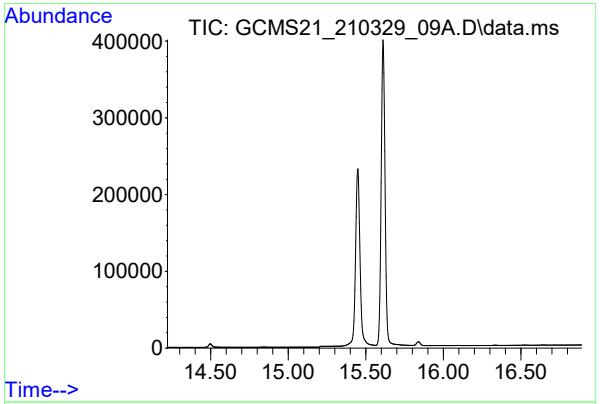


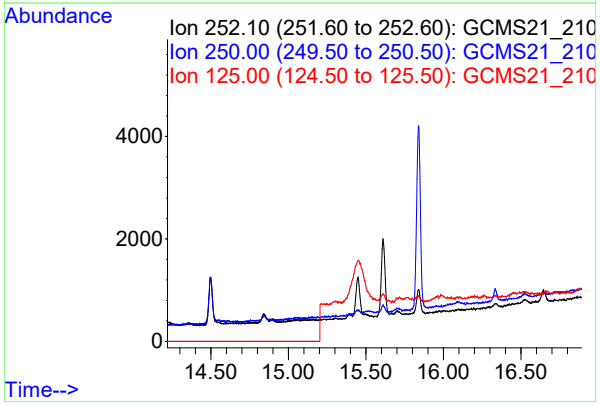
#24
benzo(b+k)fluoranthene (sum)
Concen: N.D.
Expected RT: 14.84 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	27.2



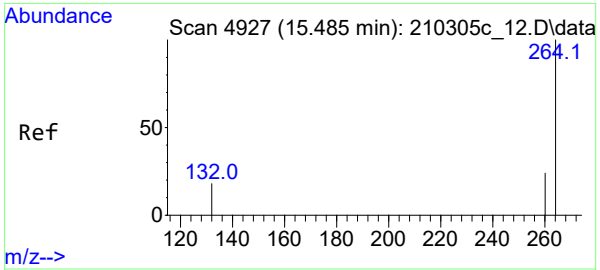


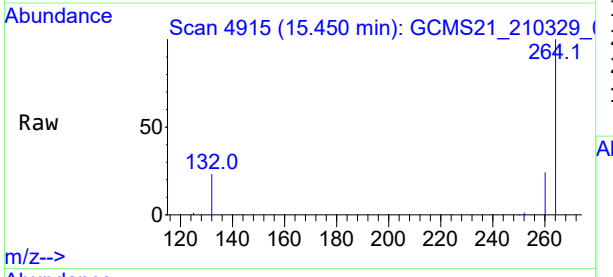
#25
Benzo(e)pyrene
Concen: N.D.
Expected RT: 15.39 min

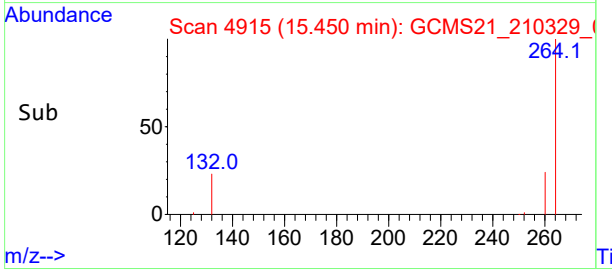
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	33.1
125	15.2



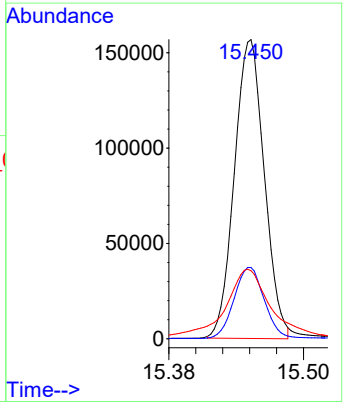


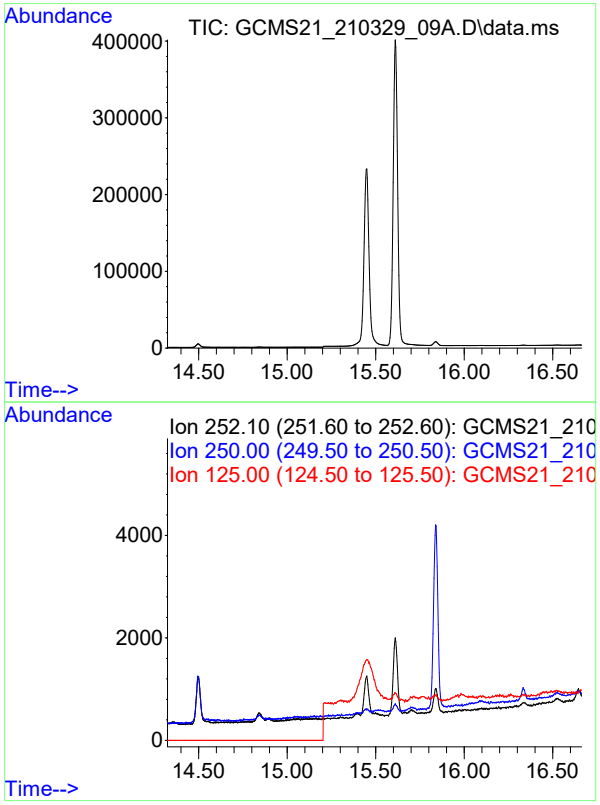


#26
Benzo(a)pyrene-D12
Concen: 353.03 ng/mL m
RT: 15.450 min Scan# 4915
Delta R.T. 0.002 min
Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion:264 Resp: 283544

Ion	Ratio	Lower	Upper
264	100		
260	24.0	16.7	31.1
132	23.1	12.2	22.6#



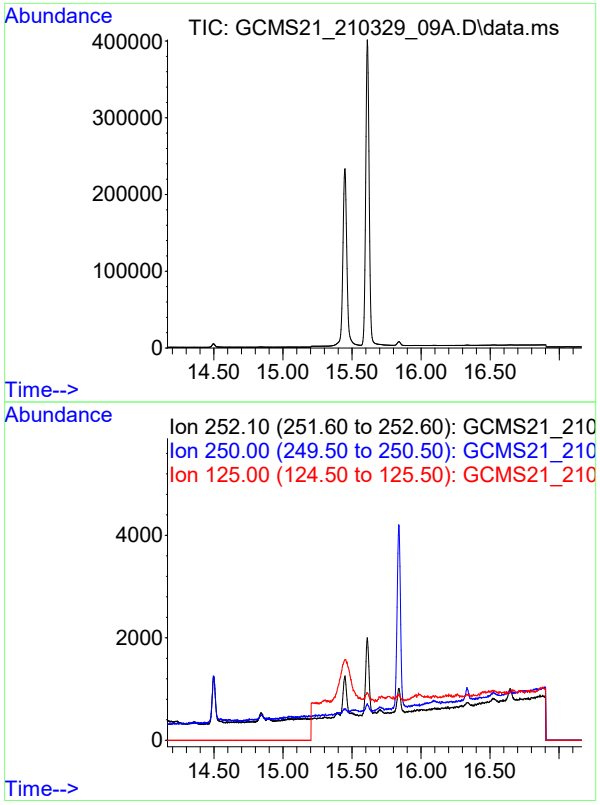


#27
Benzo(a)pyrene
Concen: N.D.
Expected RT: 15.49 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	27.6
125	11.5

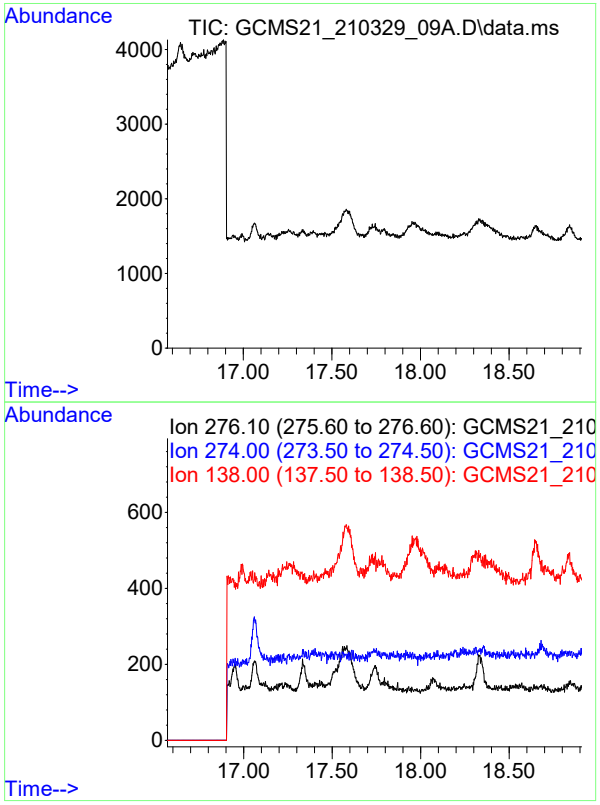


#28
Perylene
Concen: N.D.
Expected RT: 15.66 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	32.4
125	16.0

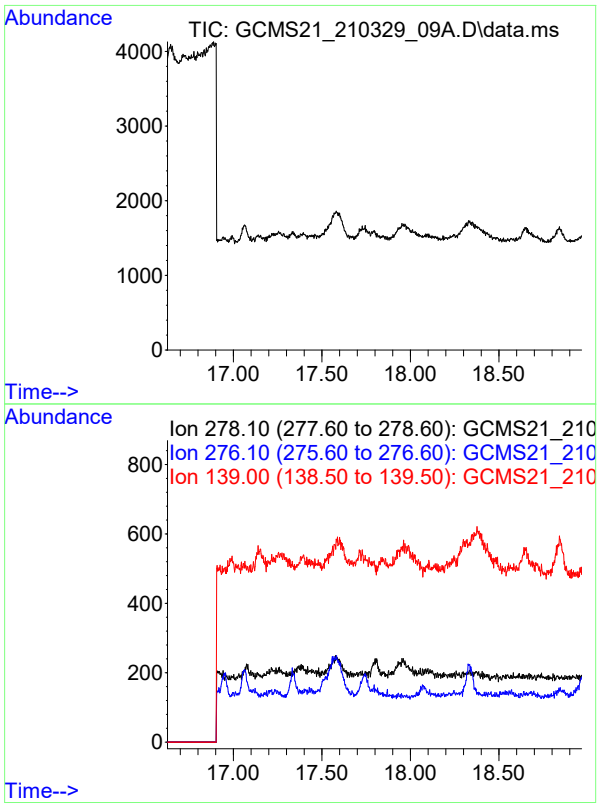


#29
Indeno(1,2,3-cd)pyrene
Concen: N.D.
Expected RT: 17.74 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 276

Sig	Exp Ratio
276	100
274	24.8
138	20.4

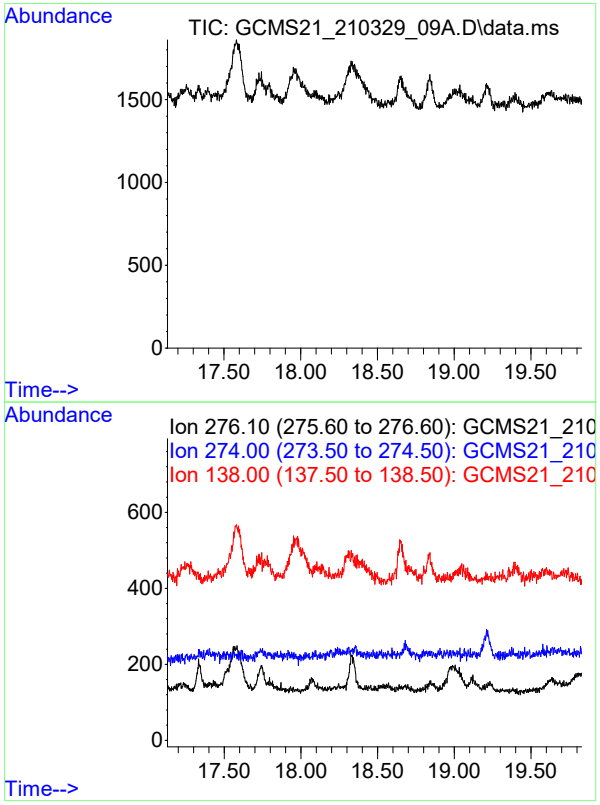


#30
Dibenz(a,h)anthracene
Concen: N.D.
Expected RT: 17.80 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 278

Sig	Exp Ratio
278	100
276	29.7
139	16.8



#31
Benzo(g,h,i)perylene
Concen: N.D.
Expected RT: 18.33 min

Lab File: GCMS21_210329_09A.D
Acq: 29 Mar 2021 18:33

Tgt Ion: 276

Sig	Exp Ratio
276	100
274	25.7
138	22.3

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210329_PUFcleanedcheck\
Data File : GCMS21_210329_08A.D
Acq On : 29 Mar 2021 18:08
Operator : MN
Sample : B21C044-BLK2
Misc :
ALS Vial : 7 Sample Multiplier: 1

This blank documents the acceptability of PUFs cleaned 03.22.21 and deployed to the field for samples -03, 14, 15, 16, 18, and 19. All target analytes were < 1/5th the MRL, as required as a precondition for use. KL 7/29/21.

Quant Time: Mar 30 08:50:32 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210308.M
Quant Title : BURNSHABOR 20210202
QLast Update : Mon Mar 08 17:35:35 2021
Response via : Initial Calibration

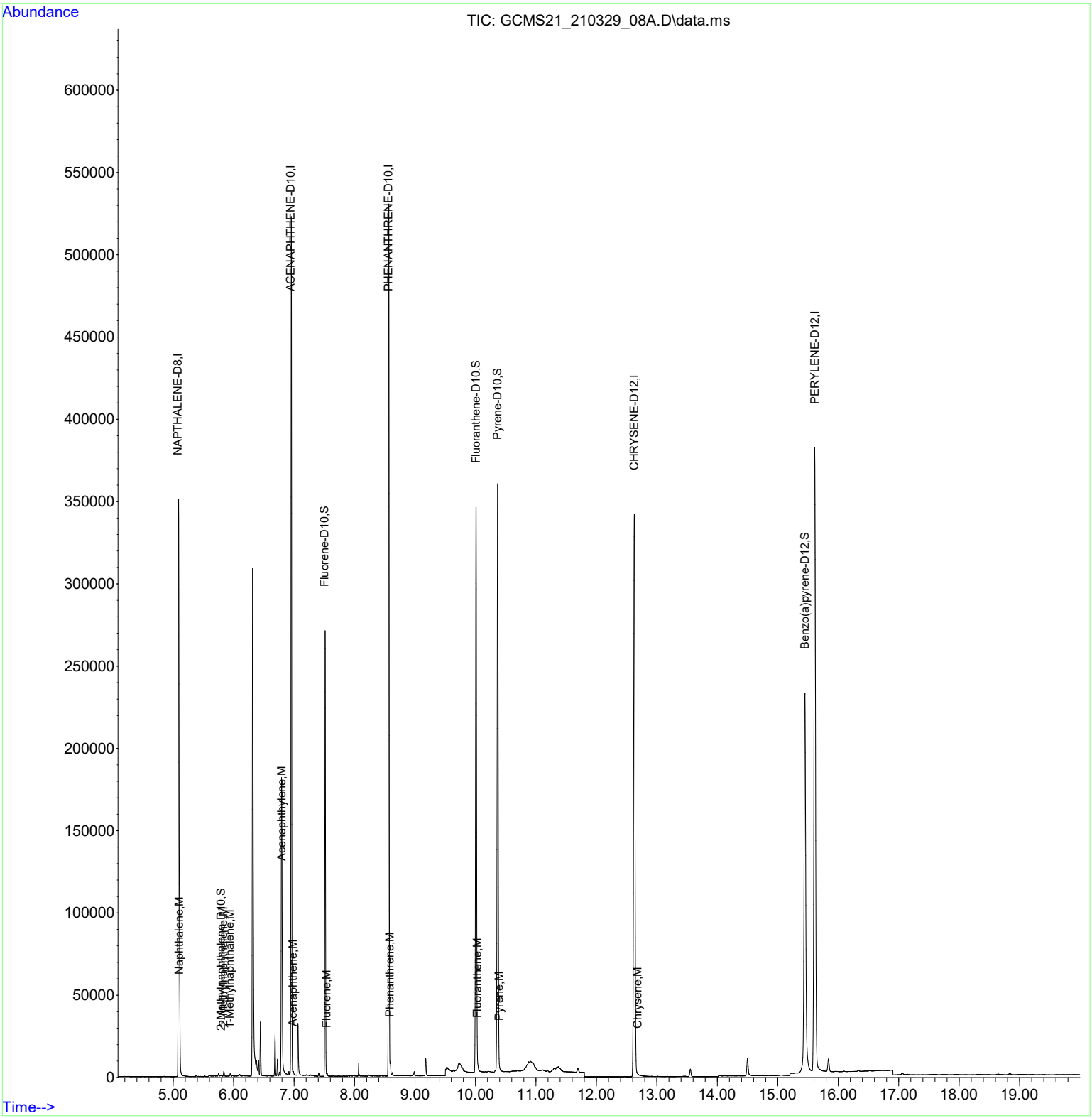
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	5.090	136	345147	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.953	164	214785	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	8.567	188	390715	500.00	ng/mL	0.00
16) CHRYSENE-D12	12.628	240	420617	500.00	ng/mL	0.00
21) PERYLENE-D12	15.610	264	458488	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.805	152	117	0.26	ng/mL	0.00
9) Fluorene-D10	7.514	176	112126	222.42	ng/mL	0.00
14) Fluoranthene-D10	10.012	212	308696	361.92	ng/mL	0.00
17) Pyrene-D10	10.368	212	321073	318.90	ng/mL	0.00
26) Benzo(a)pyrene-D12	15.450	264	276152m	350.66	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	5.112	128	3215	4.47	ng/mL	98
4) 2-Methylnaphthalene	5.840	142	1219	2.50	ng/mL	97
5) 1-Methylnaphthalene	5.945	142	624m	1.40	ng/mL	
7) Acenaphthylene	6.802	152	216	0.32	ng/mL#	1
8) Acenaphthene	6.990	153	506	0.96	ng/mL	90
10) Fluorene	7.546	166	635	1.09	ng/mL	99
12) Phenanthrene	8.592	178	4123	4.55	ng/mL	97
13) Anthracene	0.000		0	N.D.	d	
15) Fluoranthene	10.038	202	1658	1.75	ng/mL	85
18) Pyrene	10.397	202	764	0.69	ng/mL	77
19) Benzo(a)anthracene	0.000		0	N.D.	d	
20) Chrysene	12.683	228	133	0.13	ng/mL#	42
22) Benzo(b)fluoranthene	0.000		0	N.D.	d	
23) Benzo(k)fluoranthene	0.000		0	N.D.	d	
24) benzo(b+k)fluoranthene...	0.000		0	N.D.	d	
25) Benzo(e)pyrene	0.000		0	N.D.	d	
27) Benzo(a)pyrene	0.000		0	N.D.	d	
28) Perylene	0.000		0	N.D.	d	
29) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.	d	
30) Dibenz(a,h)anthracene	0.000		0	N.D.		
31) Benzo(g,h,i)perylene	0.000		0	N.D.	d	

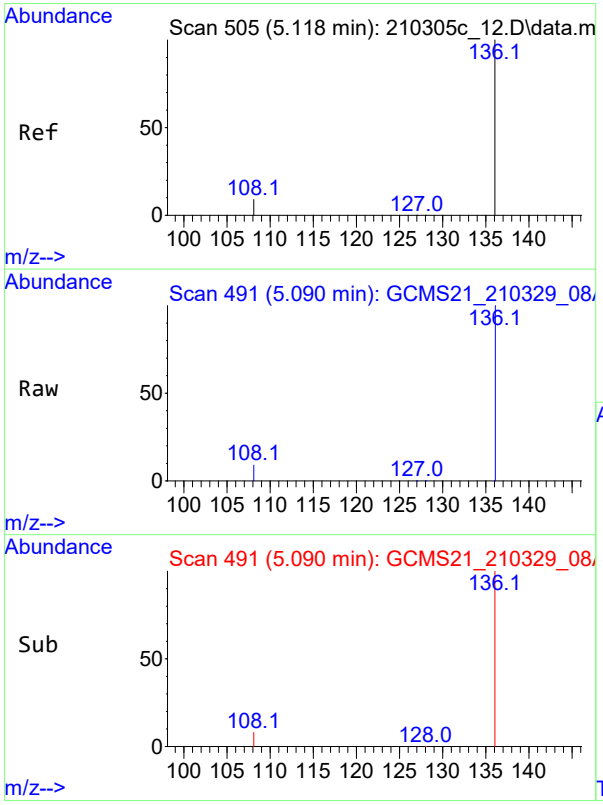
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210329_PUFcleanedcheck\
Data File : GCMS21_210329_08A.D
Acq On : 29 Mar 2021 18:08
Operator : MN
Sample : B21C044-BLK2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 30 08:50:32 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210308.M
Quant Title : BURNSHABOR 20210202
QLast Update : Mon Mar 08 17:35:35 2021
Response via : Initial Calibration

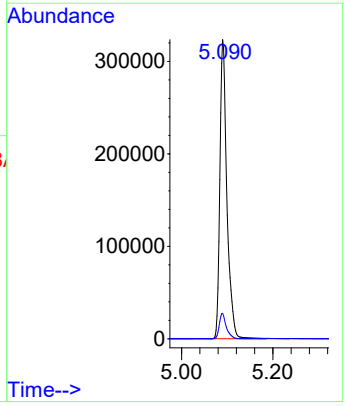


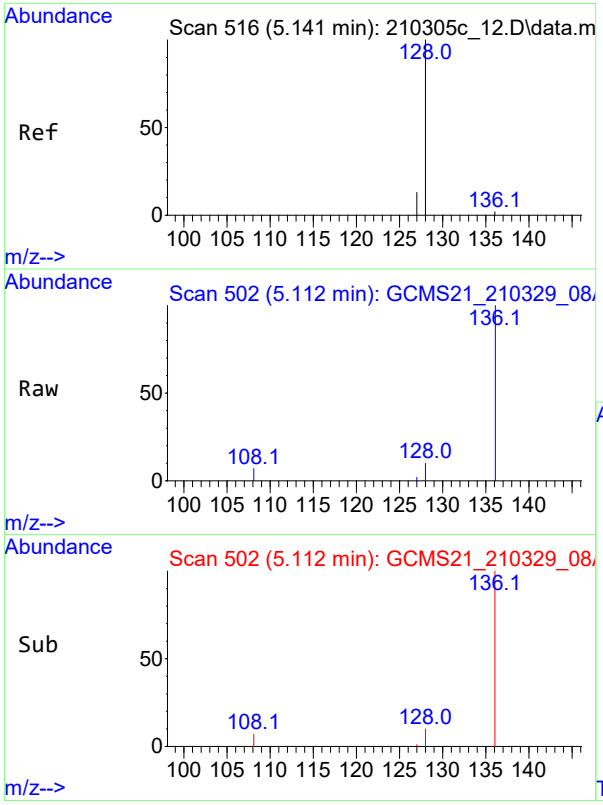


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 5.090 min Scan# 491
Delta R.T. -0.004 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:136 Resp: 345147

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.3

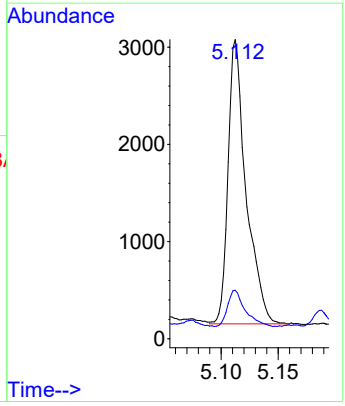


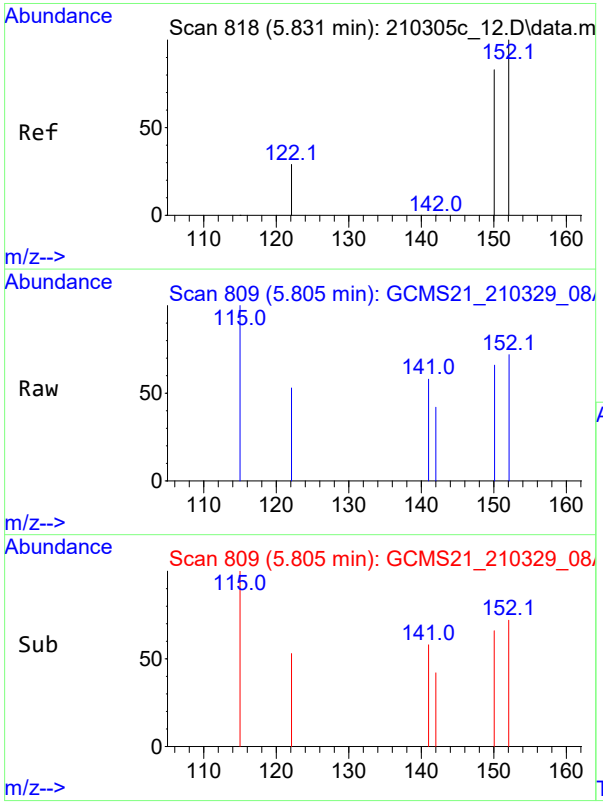


#2
Naphthalene
Concen: 4.47 ng/mL
RT: 5.112 min Scan# 502
Delta R.T. -0.001 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:128 Resp: 3215

Ion	Ratio	Lower	Upper
128	100		
127	12.5	0.0	43.3

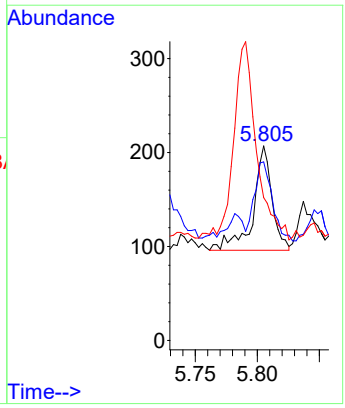


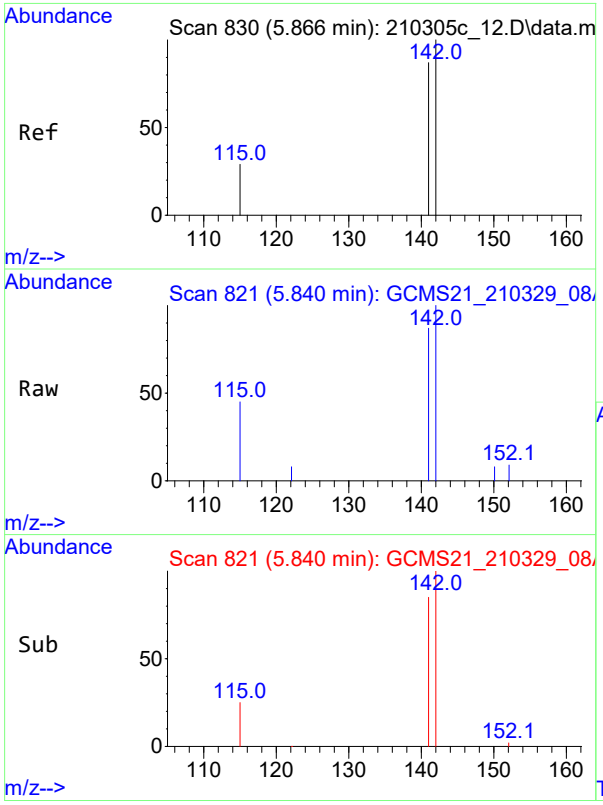


#3
2-Methylnaphthalene-D10
Concen: 0.26 ng/mL
RT: 5.805 min Scan# 809
Delta R.T. 0.005 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:152 Resp: 117

Ion	Ratio	Lower	Upper
152	100		
150	0.0	58.0	107.8#
122	223.9	20.6	38.4#

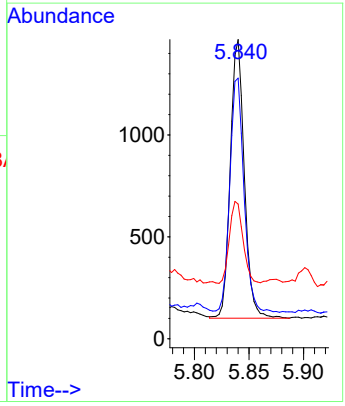


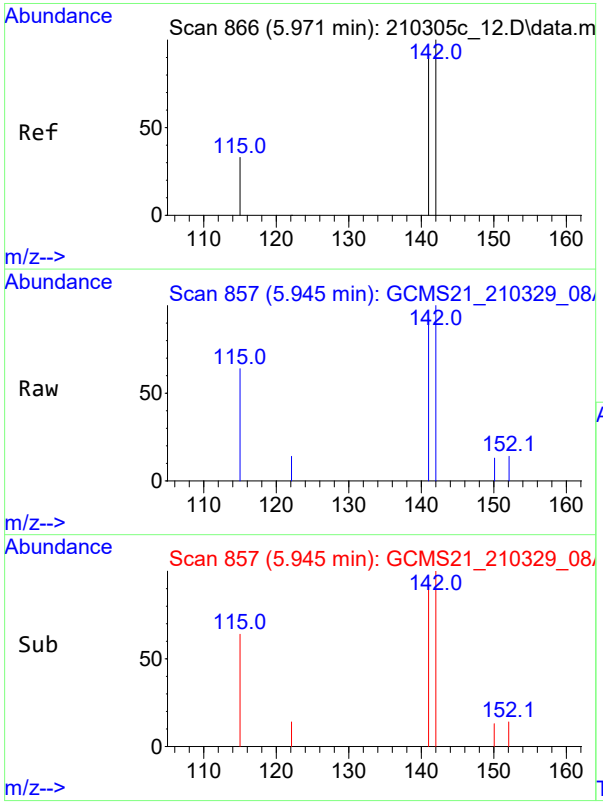


#4
2-Methylnaphthalene
Concen: 2.50 ng/mL
RT: 5.840 min Scan# 821
Delta R.T. 0.000 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:142 Resp: 1219

Ion	Ratio	Lower	Upper
142	100		
141	85.0	57.9	117.9
115	28.3	0.0	58.6

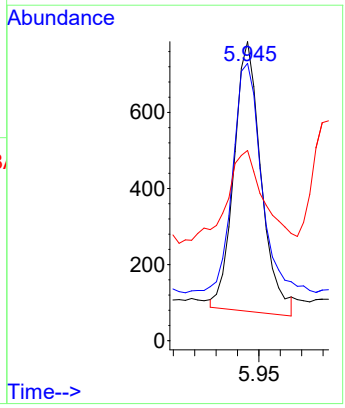


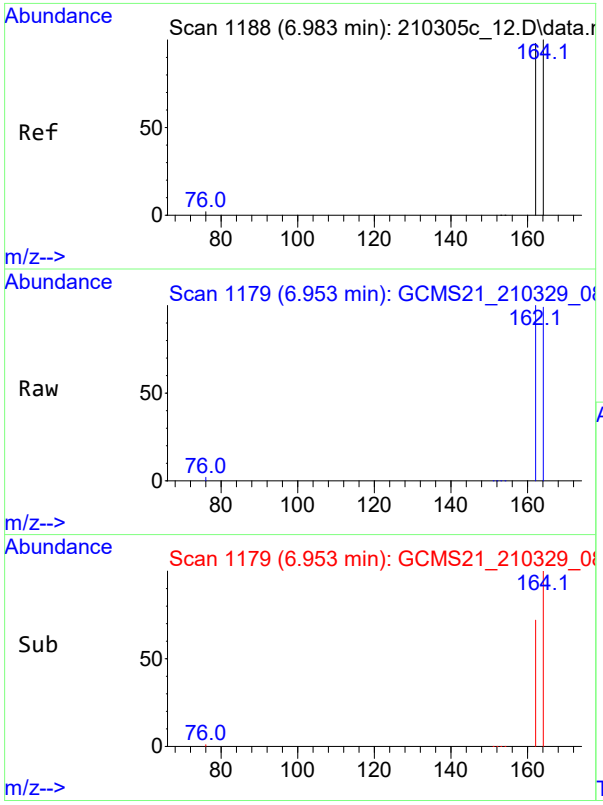


#5
1-Methylnaphthalene
Concen: 1.40 ng/mL m
RT: 5.945 min Scan# 857
Delta R.T. 0.000 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:142 Resp: 624

Ion	Ratio	Lower	Upper
142	100		
141	86.5	64.1	119.1
115	48.1	21.7	40.3#

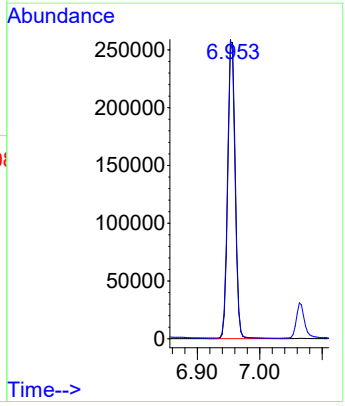


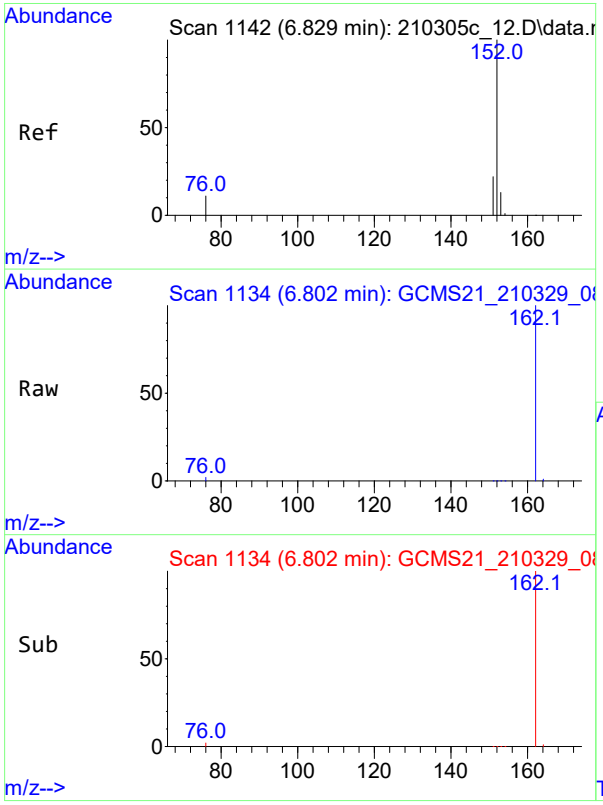


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.953 min Scan# 1179
Delta R.T. -0.003 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:164 Resp: 214785

Ion	Ratio	Lower	Upper
164	100		
162	99.0	78.7	118.7

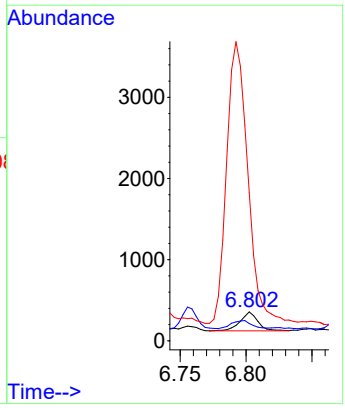


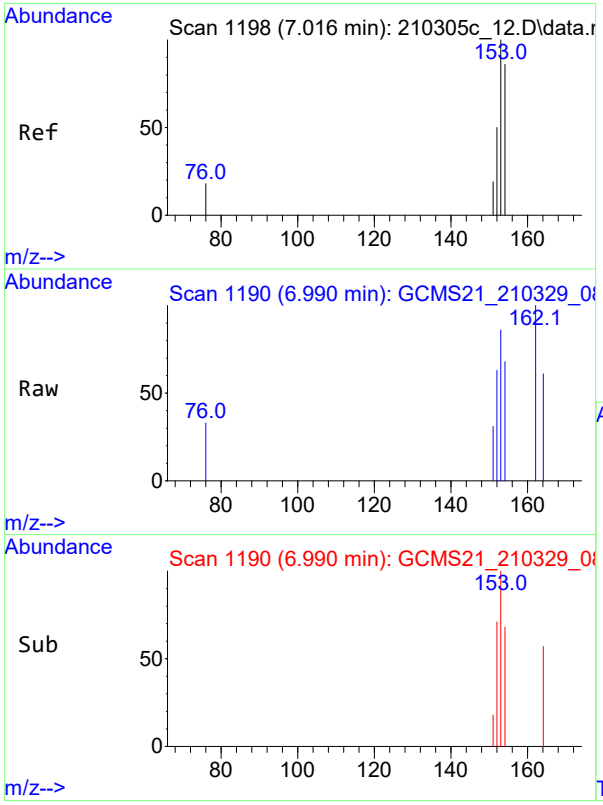


#7
Acenaphthylene
Concen: 0.32 ng/mL
RT: 6.802 min Scan# 1134
Delta R.T. -0.003 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:152 Resp: 216

Ion	Ratio	Lower	Upper
152	100		
151	47.7	0.0	51.8
76	1800.9	0.0	40.5#

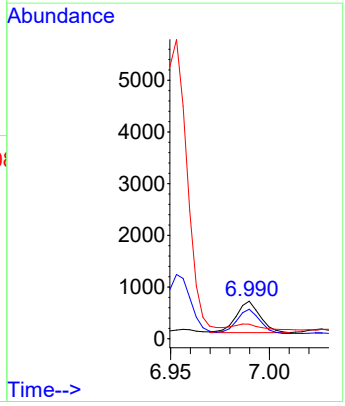


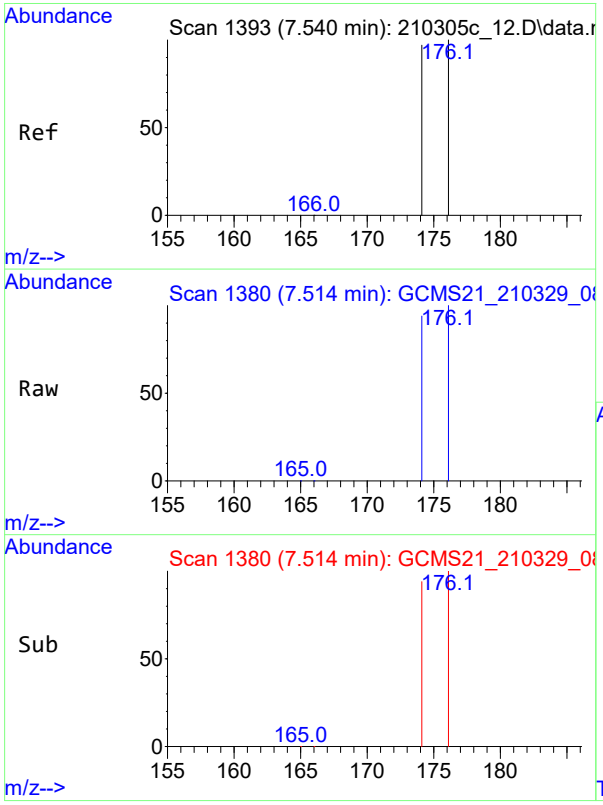


#8
Acenaphthene
Concen: 0.96 ng/mL
RT: 6.990 min Scan# 1190
Delta R.T. 0.002 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:153 Resp: 506

Ion	Ratio	Lower	Upper
153	100		
154	74.7	55.7	115.7
76	21.5	0.0	50.4

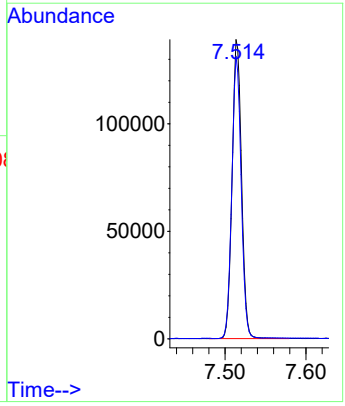


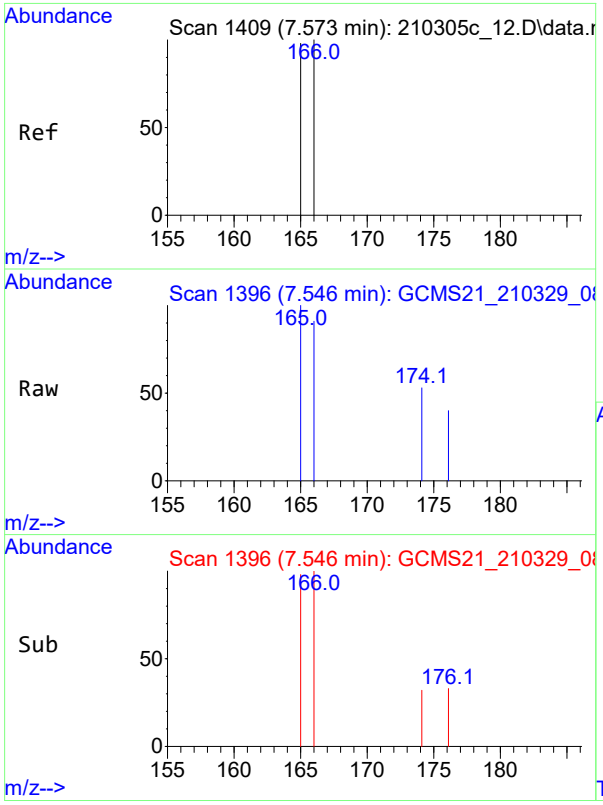


#9
Fluorene-D10
Concen: 222.42 ng/mL
RT: 7.514 min Scan# 1380
Delta R.T. 0.001 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:176 Resp: 112126

Ion	Ratio	Lower	Upper
176	100		
174	93.9	67.4	125.2

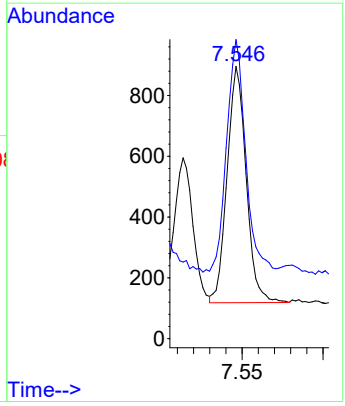


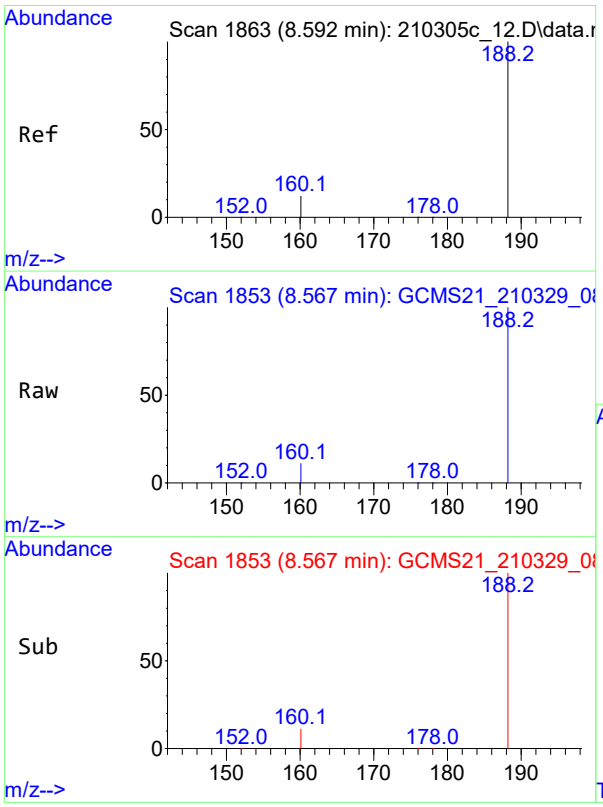


#10
Fluorene
Concen: 1.09 ng/mL
RT: 7.546 min Scan# 1396
Delta R.T. 0.002 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:166 Resp: 635

Ion	Ratio	Lower	Upper
166	100		
165	98.7	68.1	128.1

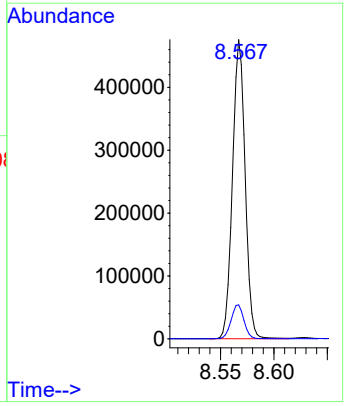


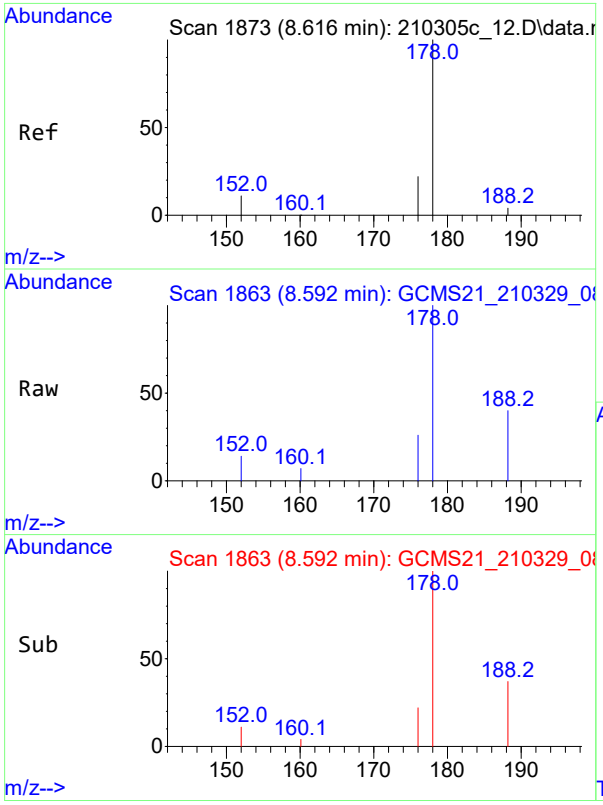


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 8.567 min Scan# 1853
Delta R.T. 0.000 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:188 Resp: 390715

Ion	Ratio	Lower	Upper
188	100		
160	11.6	0.0	41.3

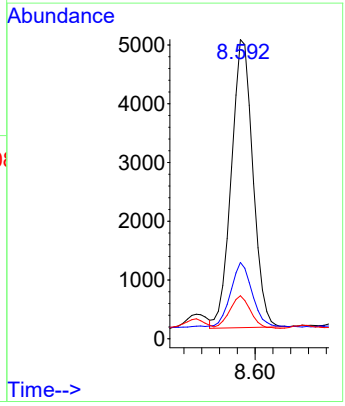


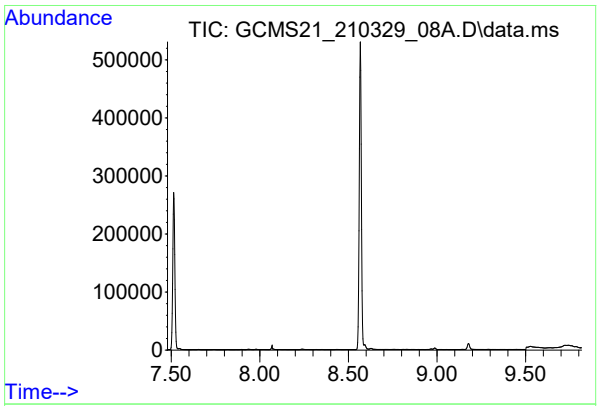


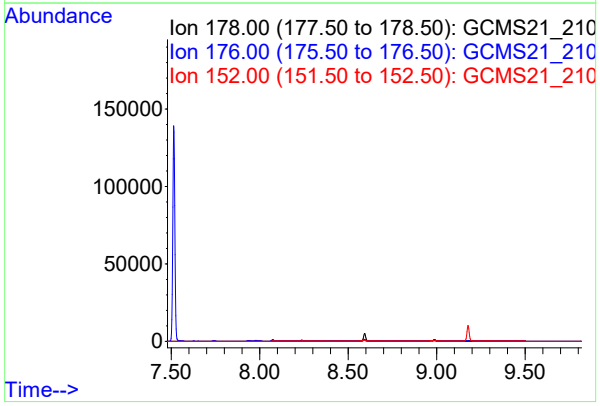
#12
Phenanthrene
Concen: 4.55 ng/mL
RT: 8.592 min Scan# 1863
Delta R.T. 0.000 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:178 Resp: 4123

Ion	Ratio	Lower	Upper
178	100		
176	23.8	0.0	51.6
152	10.9	0.0	41.0





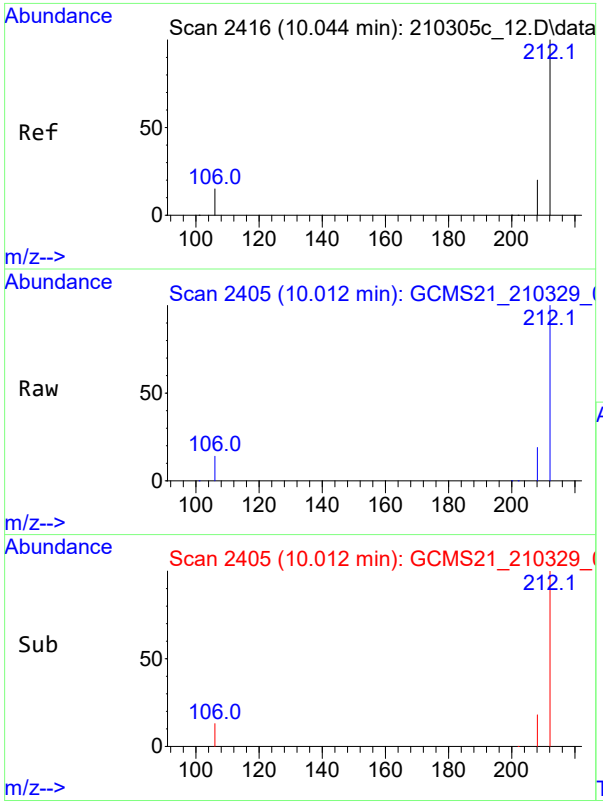


#13
Anthracene
Concen: N.D.
Expected RT: 8.65 min

Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 178

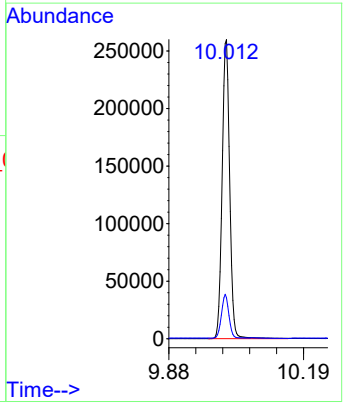
Sig	Exp Ratio
178	100
176	21.0
152	9.2

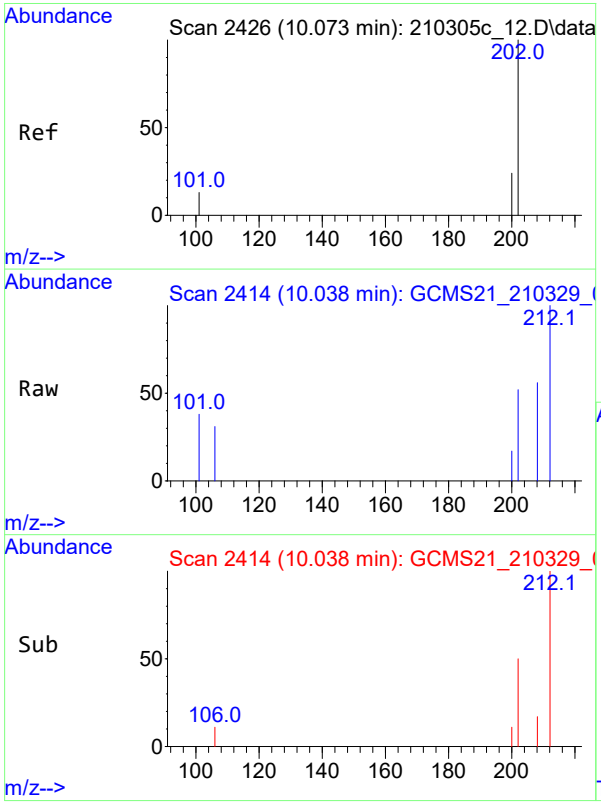


#14
Fluoranthene-D10
Concen: 361.92 ng/mL
RT: 10.012 min Scan# 2405
Delta R.T. -0.005 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:212 Resp: 308696

Ion	Ratio	Lower	Upper
212	100		
106	14.4	10.6	19.6

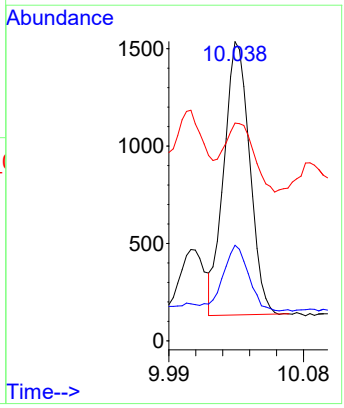


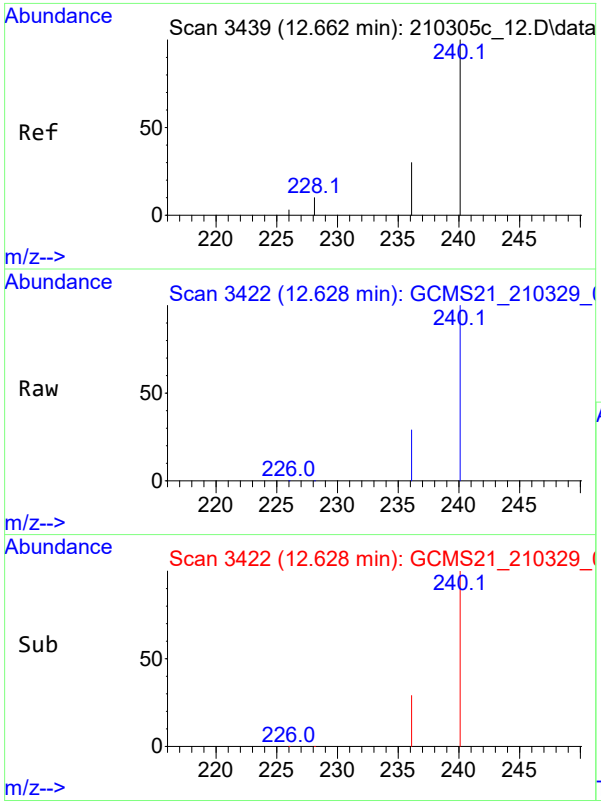


#15
Fluoranthene
Concen: 1.75 ng/mL
RT: 10.038 min Scan# 2414
Delta R.T. 0.000 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:202 Resp: 1658

Ion	Ratio	Lower	Upper
202	100		
200	24.0	0.0	53.7
101	29.6	0.0	42.5

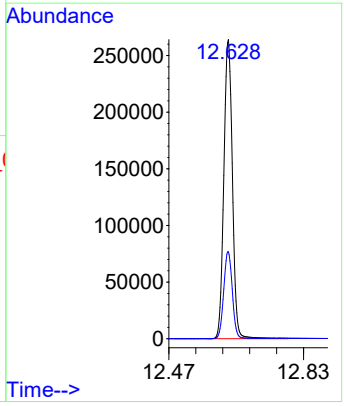


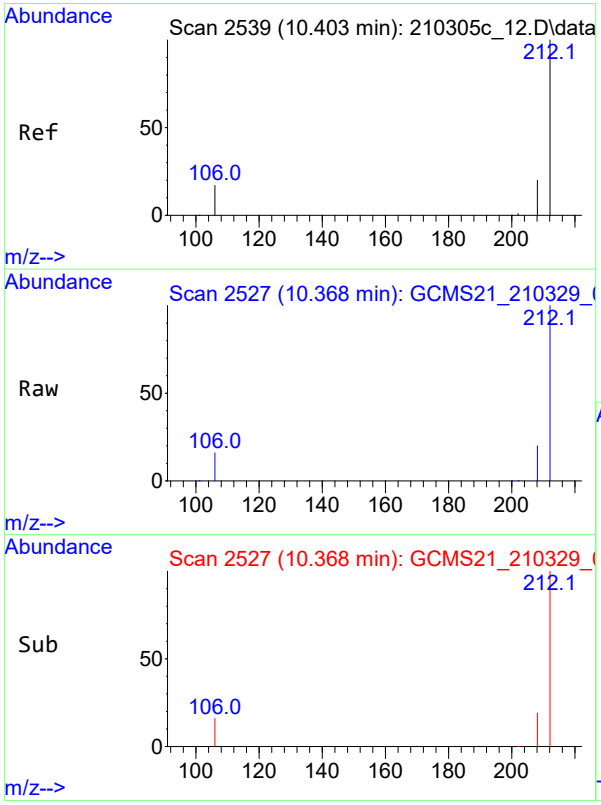


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 12.628 min Scan# 3422
Delta R.T. 0.002 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:240 Resp: 420617

Ion	Ratio	Lower	Upper
240	100		
236	29.3	0.0	59.4

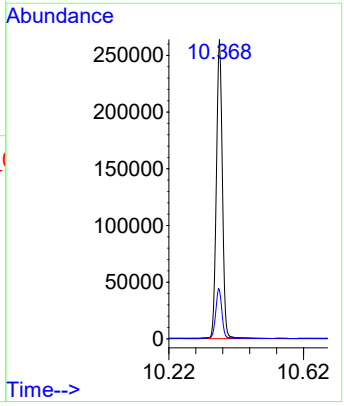


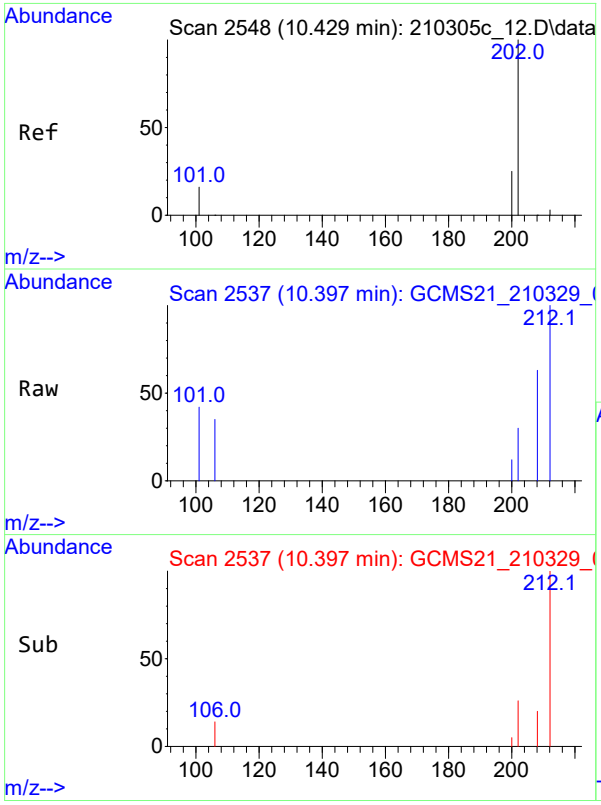


#17
Pyrene-D10
Concen: 318.90 ng/mL
RT: 10.368 min Scan# 2527
Delta R.T. 0.003 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:212 Resp: 321073

Ion	Ratio	Lower	Upper
212	100		
106	17.2	11.8	22.0

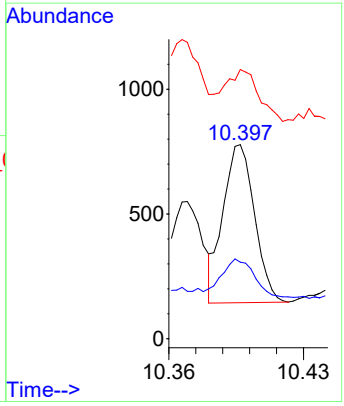


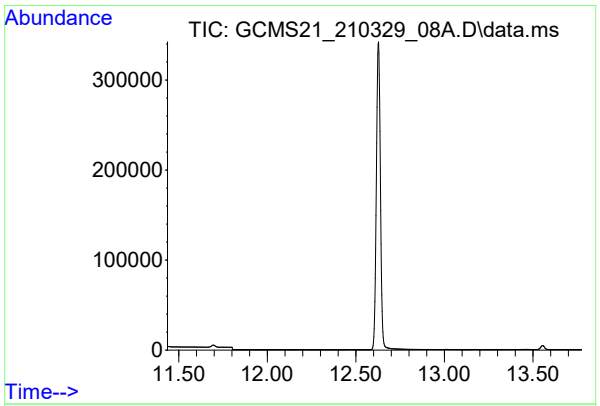


#18
Pyrene
Concen: 0.69 ng/mL
RT: 10.397 min Scan# 2537
Delta R.T. 0.000 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:202 Resp: 764

Ion	Ratio	Lower	Upper
202	100		
200	26.6	0.0	53.8
101	34.9	0.0	44.1



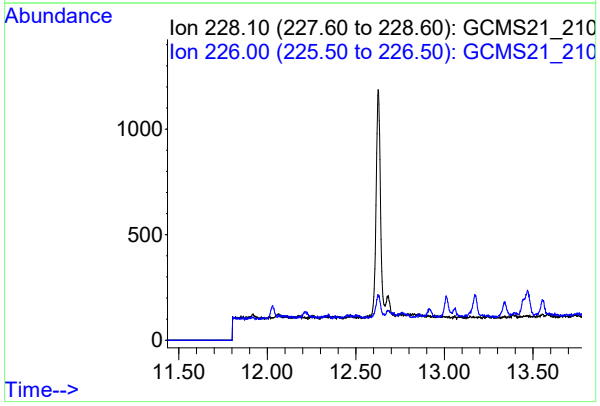


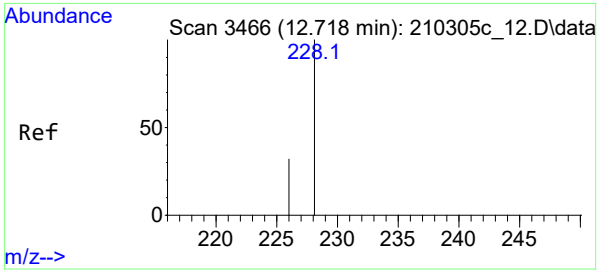
#19
Benzo(a)anthracene
Concen: N.D.
Expected RT: 12.61 min

Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 228

Sig	Exp Ratio
228	100
226	29.9

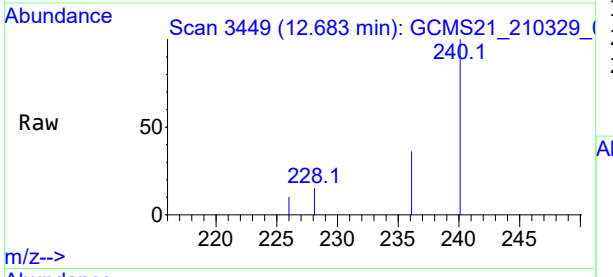


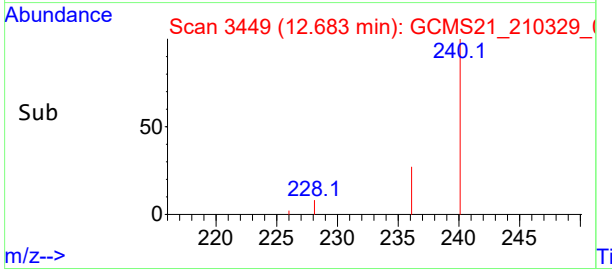


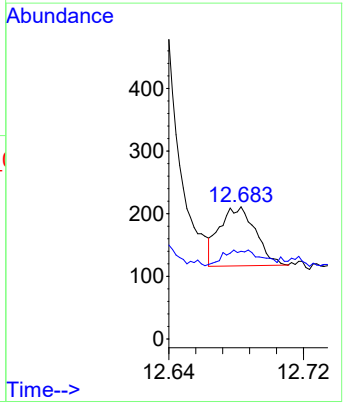
#20
Chrysene
Concen: 0.13 ng/mL
RT: 12.683 min Scan# 3449
Delta R.T. 0.004 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

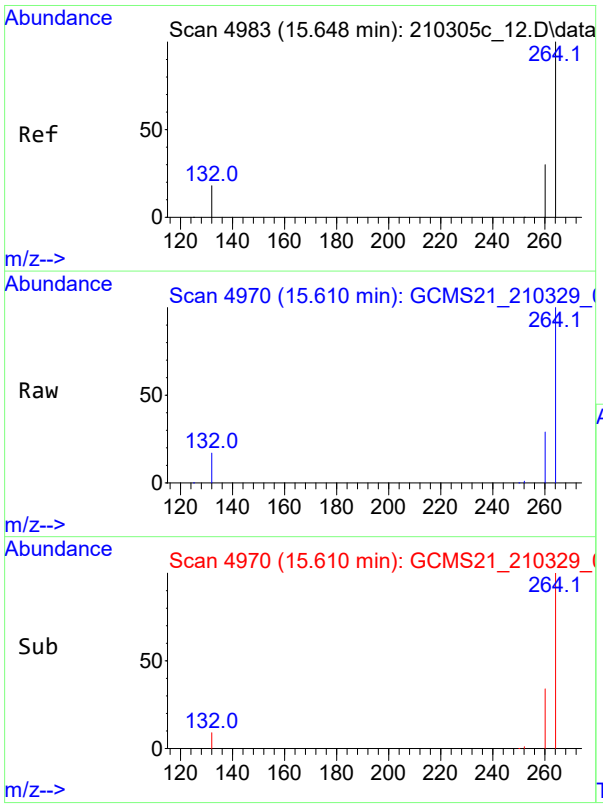
Tgt Ion:228 Resp: 133

Ion	Ratio	Lower	Upper
228	100		
226	0.0	2.5	62.5#





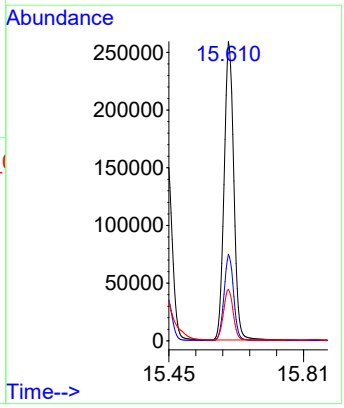


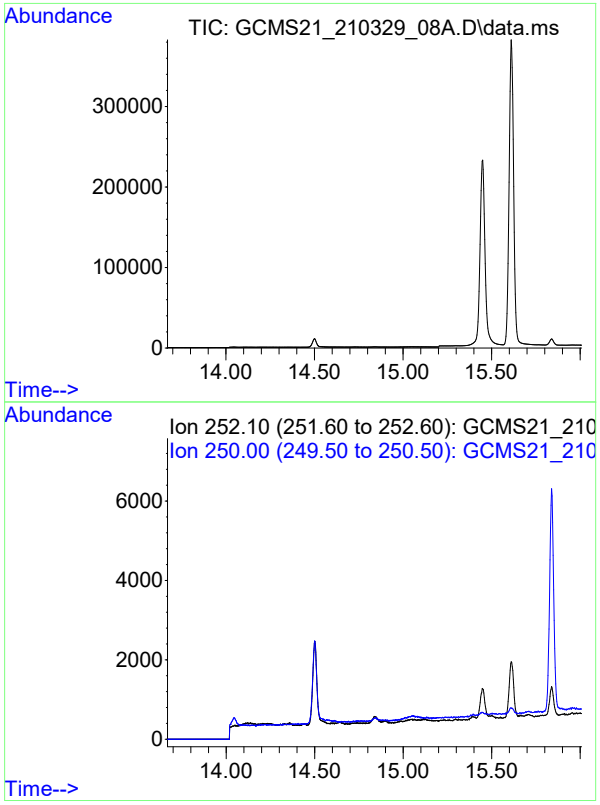


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 15.610 min Scan# 4970
Delta R.T. -0.000 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:264 Resp: 458488

Ion	Ratio	Lower	Upper
264	100		
260	28.8	0.0	58.8
132	17.3	0.0	47.2



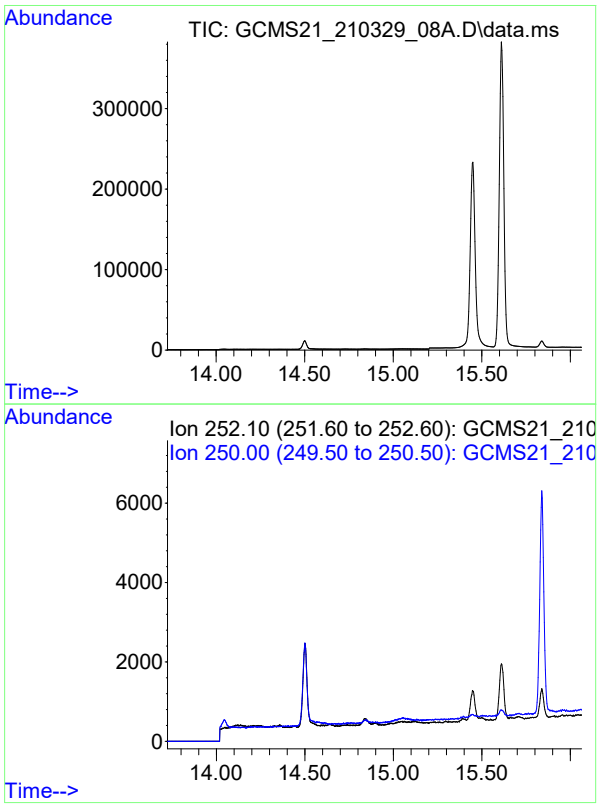


#22
Benzo(b)fluoranthene
Concen: N.D.
Expected RT: 14.84 min

Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	27.2

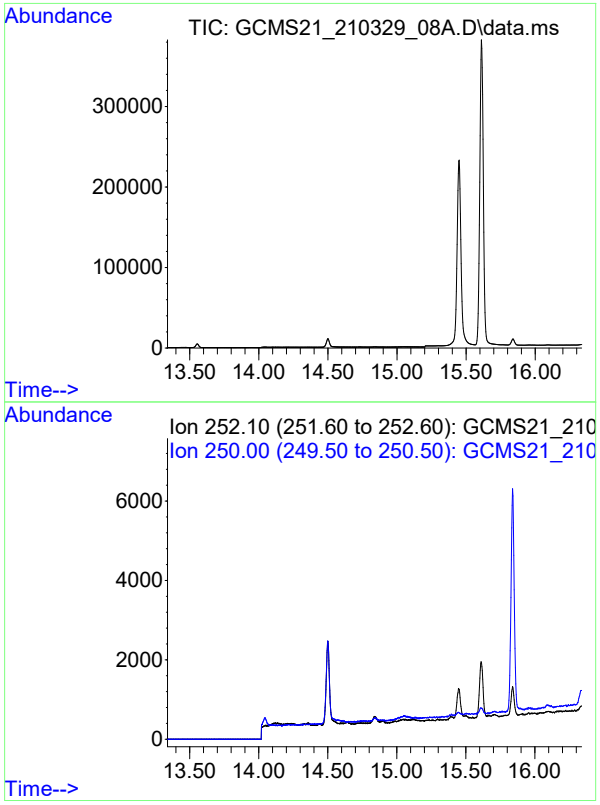


#23
Benzo(k)fluoranthene
Concen: N.D.
Expected RT: 14.89 min

Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	26.2

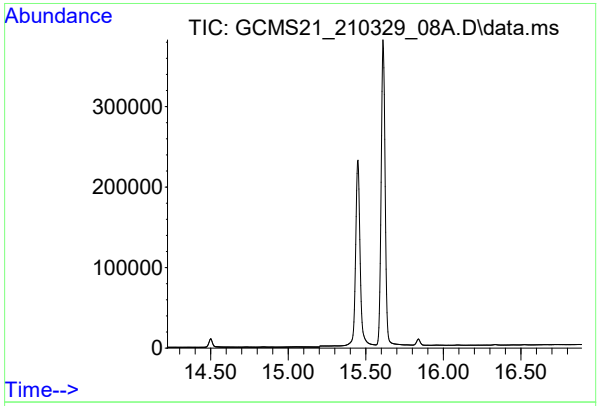


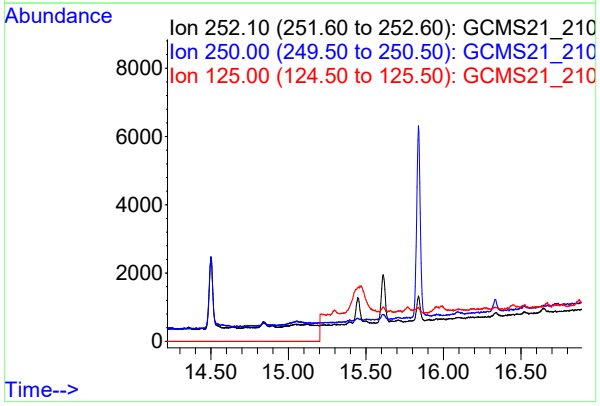
#24
benzo(b+k)fluoranthene (sum)
Concen: N.D.
Expected RT: 14.84 min

Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	27.2



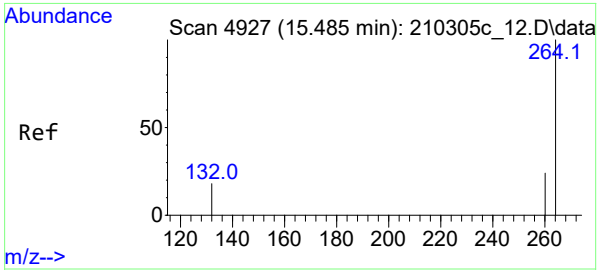


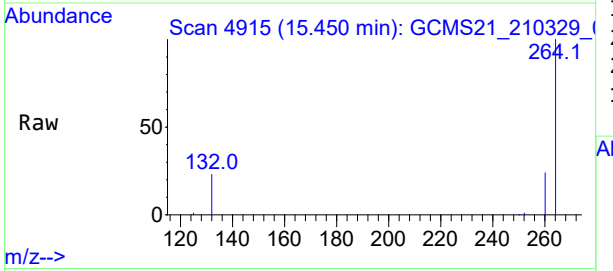
#25
Benzo(e)pyrene
Concen: N.D.
Expected RT: 15.39 min

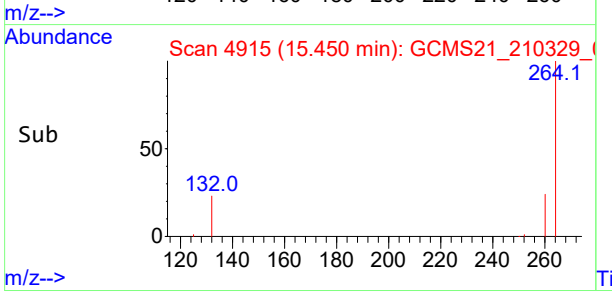
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	33.1
125	15.2



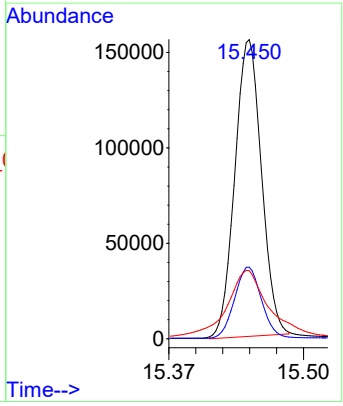


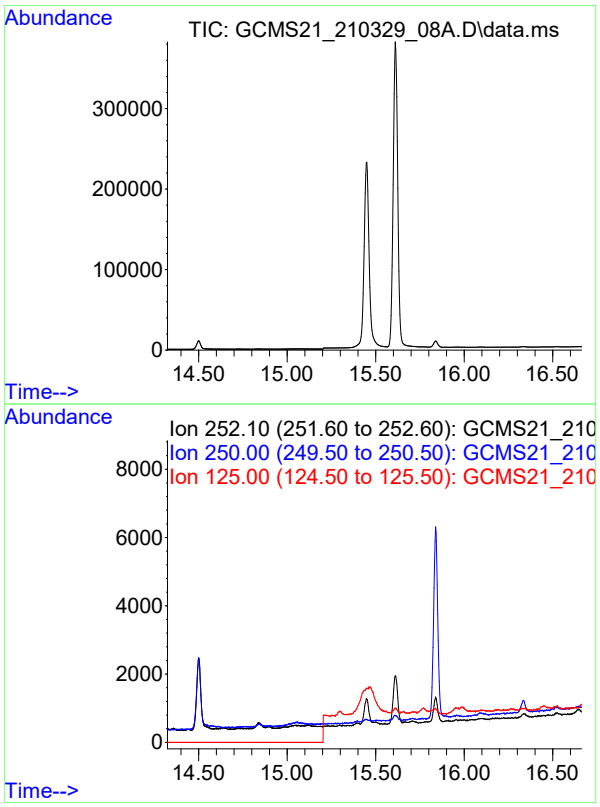


#26
Benzo(a)pyrene-D12
Concen: 350.66 ng/mL m
RT: 15.450 min Scan# 4915
Delta R.T. 0.002 min
Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion:264 Resp: 276152

Ion	Ratio	Lower	Upper
264	100		
260	22.4	16.7	31.1
132	29.7	12.2	22.6#



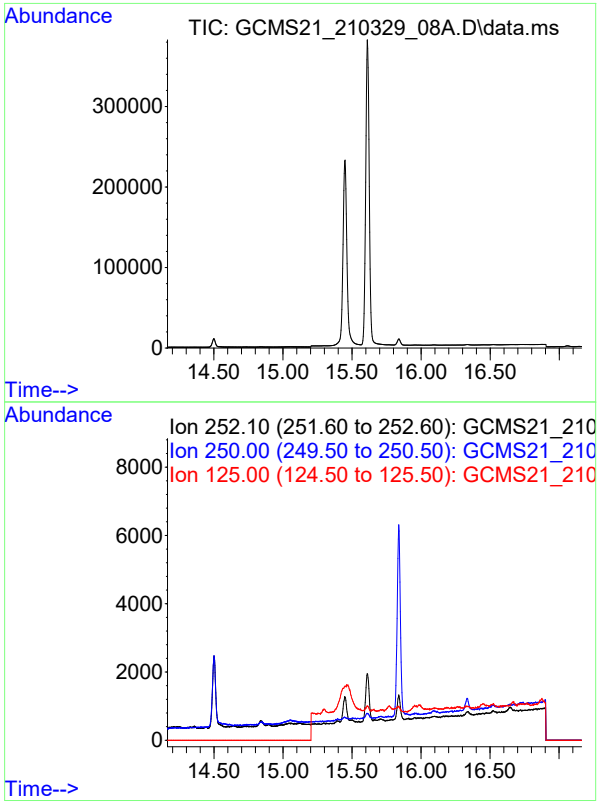


#27
Benzo(a)pyrene
Concen: N.D.
Expected RT: 15.49 min

Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	27.6
125	11.5

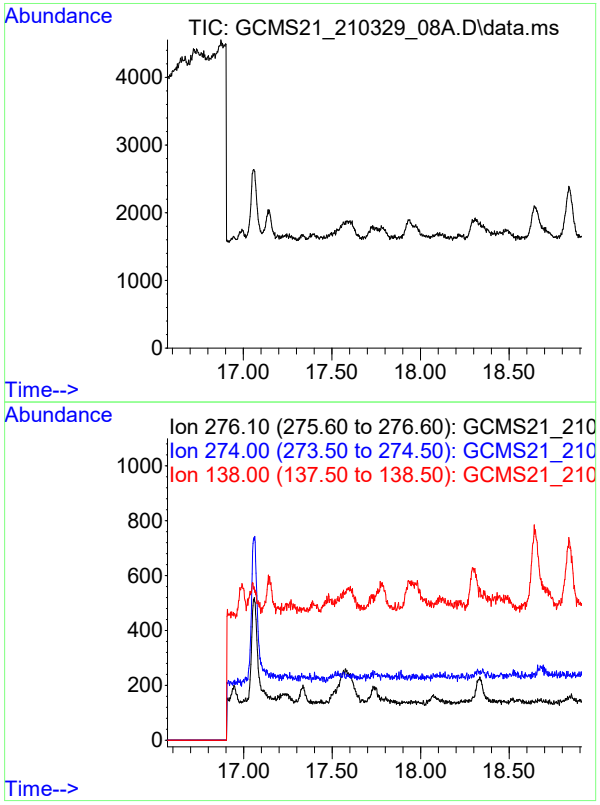


#28
Perylene
Concen: N.D.
Expected RT: 15.66 min

Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	32.4
125	16.0

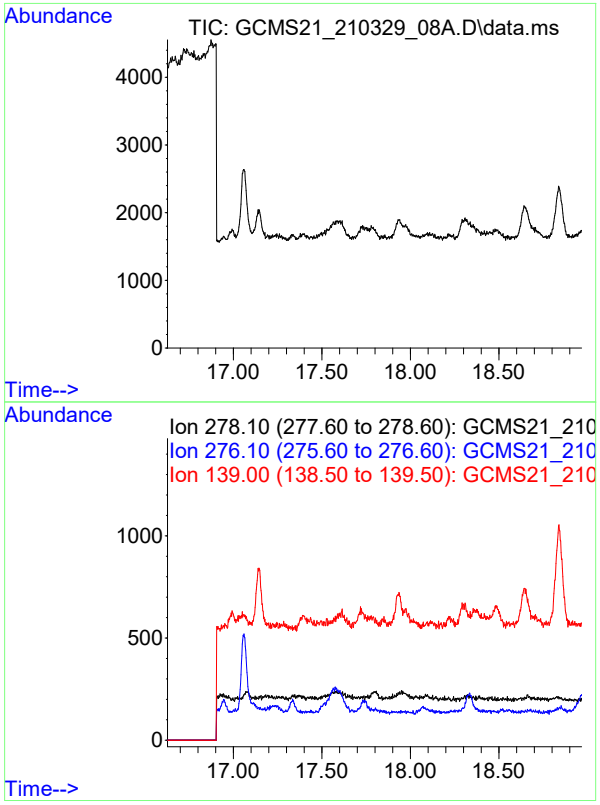


#29
Indeno(1,2,3-cd)pyrene
Concen: N.D.
Expected RT: 17.74 min

Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 276

Sig	Exp Ratio
276	100
274	24.8
138	20.4

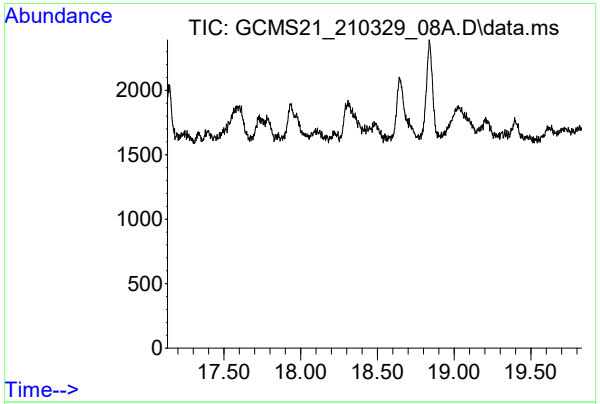


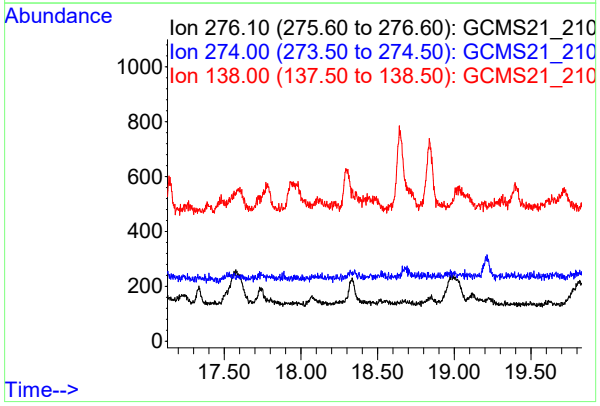
#30
Dibenz(a,h)anthracene
Concen: N.D.
Expected RT: 17.80 min

Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 278

Sig	Exp Ratio
278	100
276	29.7
139	16.8





#31
Benzo(g,h,i)perylene
Concen: N.D.
Expected RT: 18.33 min

Lab File: GCMS21_210329_08A.D
Acq: 29 Mar 2021 18:08

Tgt Ion: 276

Sig	Exp Ratio
276	100
274	25.7
138	22.3

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210419_B21D020\
Data File : GCMS21_210419_31.D
Acq On : 19 Apr 2021 23:45
Operator : MN
Sample : B21D019-BLK1
Misc : 04.13.21 disks
ALS Vial : 20 Sample Multiplier: 1

This blank documents the acceptability of PUFs cleaned 04.13.21 and deployed to the field for samples -07, -08, -10, -11, -12, and -13. All target analytes were < 1/5th the MRL, as required as a precondition for use. KL 7/29/21.

Quant Time: Apr 20 11:47:51 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210419.M
Quant Title : BURNSHABOR 20210202
QLast Update : Mon Apr 19 11:10:15 2021
Response via : Initial Calibration

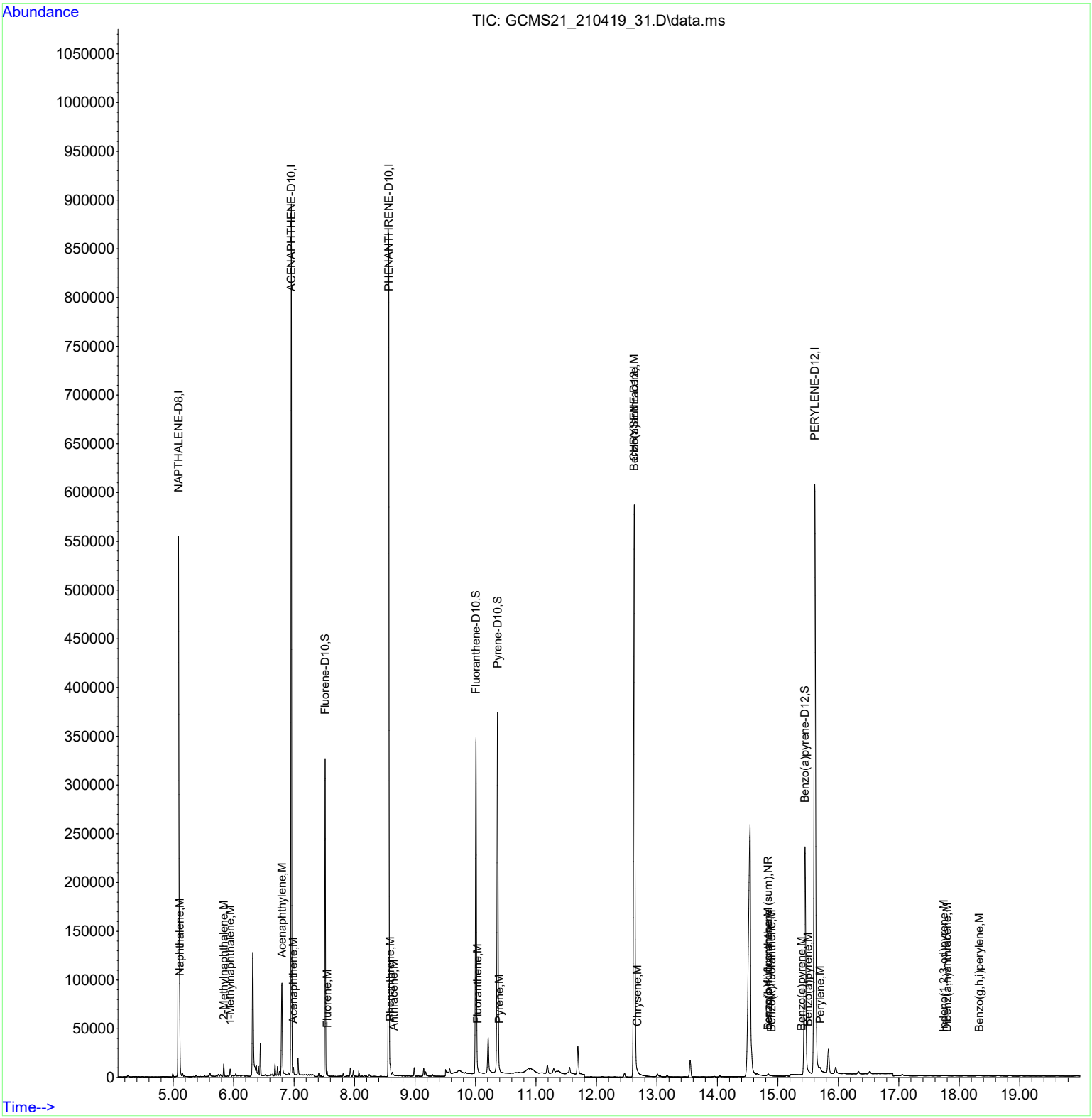
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	5.088	136	539168	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.953	164	353453	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	8.564	188	634083	500.00	ng/mL	0.00
16) CHRYSENE-D12	12.626	240	706141	500.00	ng/mL	0.00
21) PERYLENE-D12	15.610	264	757105	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	0.000	152	0d	0.00	ng/mL	
9) Fluorene-D10	7.514	176	136955	165.13	ng/mL	0.00
14) Fluoranthene-D10	10.009	212	311259	224.86	ng/mL	0.00
17) Pyrene-D10	10.365	212	344308	203.70	ng/mL	0.00
26) Benzo(a)pyrene-D12	15.450	264	307544	236.49	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	5.110	128	8625	7.68	ng/mL	99
4) 2-Methylnaphthalene	5.837	142	4987	6.56	ng/mL	96
5) 1-Methylnaphthalene	5.942	142	3279m	4.71	ng/mL	
7) Acenaphthylene	6.802	152	1598	1.44	ng/mL#	1
8) Acenaphthene	6.990	153	2779	3.20	ng/mL	86
10) Fluorene	7.546	166	1880	1.95	ng/mL	97
12) Phenanthrene	8.592	178	4446	3.03	ng/mL	99
13) Anthracene	8.646	178	321	0.23	ng/mL#	61
15) Fluoranthene	10.035	202	2148	1.40	ng/mL	93
18) Pyrene	10.394	202	1288m	0.69	ng/mL	
19) Benzo(a)anthracene	12.624	228	2909	2.05	ng/mL	68
20) Chrysene	12.677	228	412	0.24	ng/mL	98
22) Benzo(b)fluoranthene	14.841	252	1989	1.24	ng/mL#	23
23) Benzo(k)fluoranthene	14.895	252	311	0.17	ng/mL#	49
24) benzo(b+k)fluoranthene...	14.841	252	1989	1.17	ng/mL#	23
25) Benzo(e)pyrene	15.391	252	473	0.29	ng/mL#	81
27) Benzo(a)pyrene	15.499	252	326	0.21	ng/mL#	48
28) Perylene	15.701	252	1185	0.67	ng/mL#	1
29) Indeno(1,2,3-cd)pyrene	17.742	276	596	0.39	ng/mL#	46
30) Dibenz(a,h)anthracene	17.800	278	212	0.13	ng/mL#	51
31) Benzo(g,h,i)perylene	18.328	276	708	0.39	ng/mL#	24

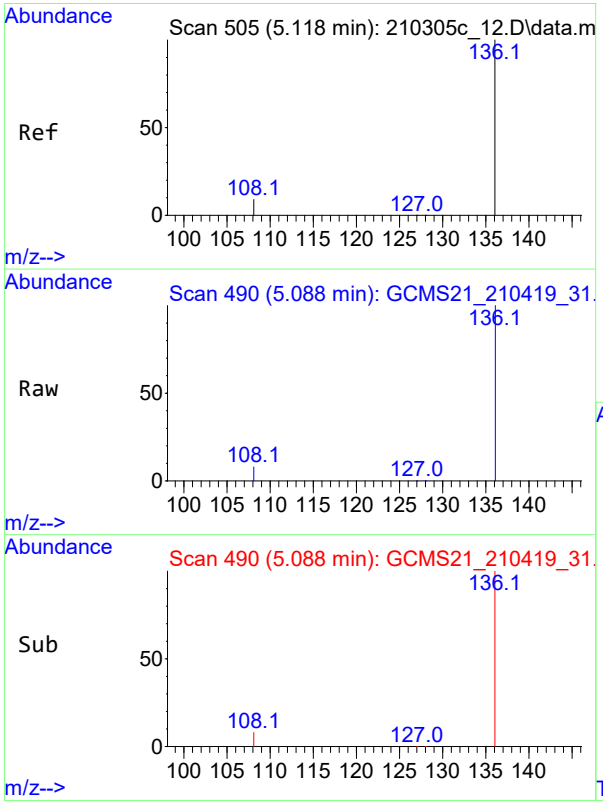
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210419_B21D020\
Data File : GCMS21_210419_31.D
Acq On : 19 Apr 2021 23:45
Operator : MN
Sample : B21D019-BLK1
Misc : 04.13.21 disks
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Apr 20 11:47:51 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210419.M
Quant Title : BURNSHABOR 20210202
QLast Update : Mon Apr 19 11:10:15 2021
Response via : Initial Calibration

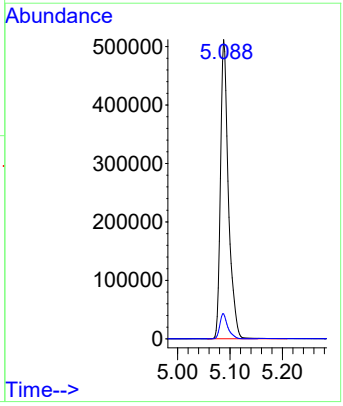


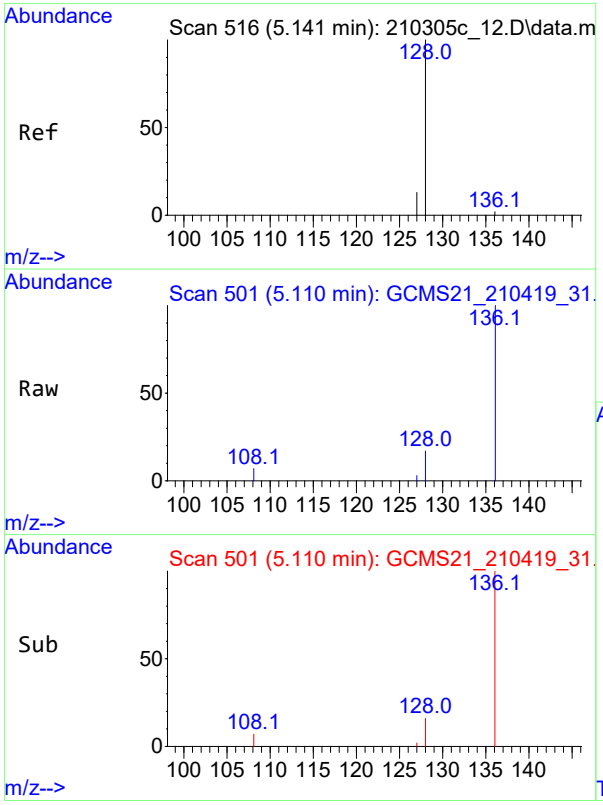


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 5.088 min Scan# 490
Delta R.T. -0.006 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:136 Resp: 539168

Ion	Ratio	Lower	Upper
136	100		
108	8.4	0.0	28.3

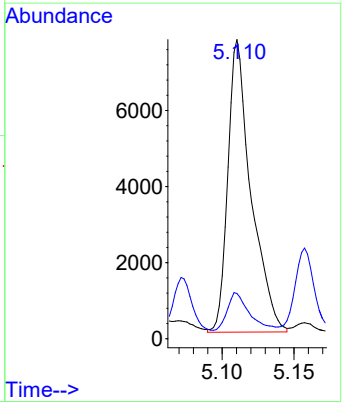


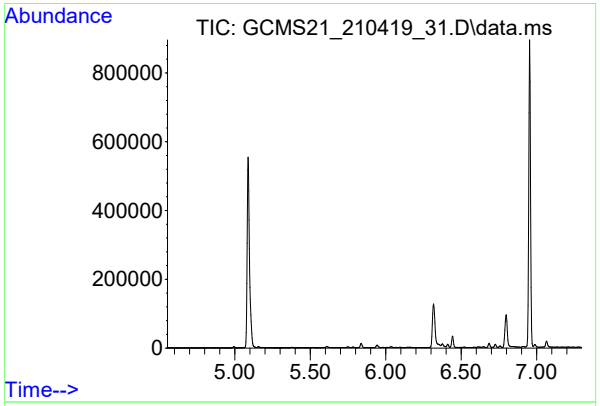


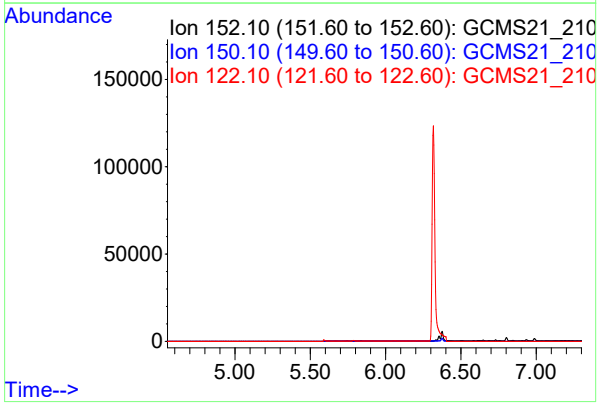
#2
Naphthalene
Concen: 7.68 ng/mL
RT: 5.110 min Scan# 501
Delta R.T. -0.004 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:128 Resp: 8625

Ion	Ratio	Lower	Upper
128	100		
127	12.9	0.0	43.3





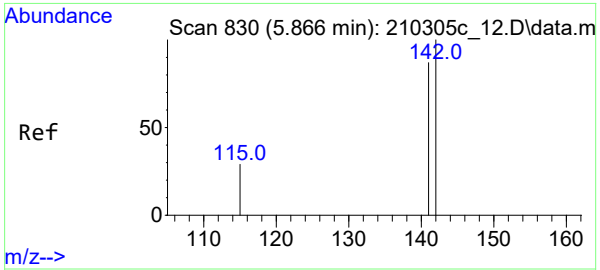


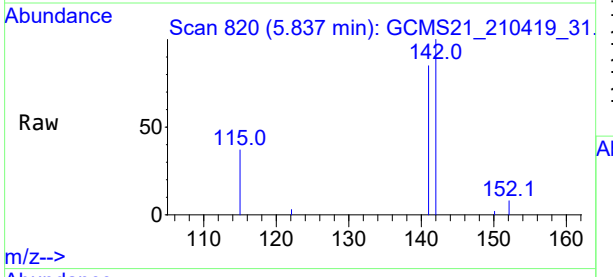
#3
2-Methylnaphthalene-D10
Concen: 0.00 ng/mL
Expected RT: 5.80 min

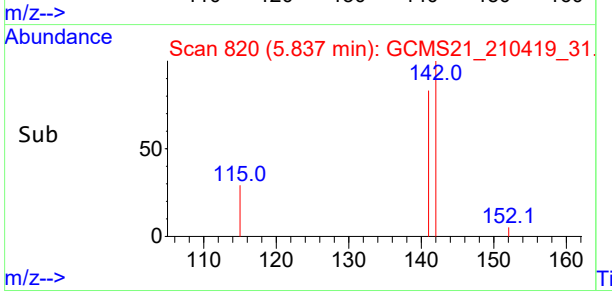
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion: 152

Sig	Exp Ratio
152	100
150	82.9
122	29.5



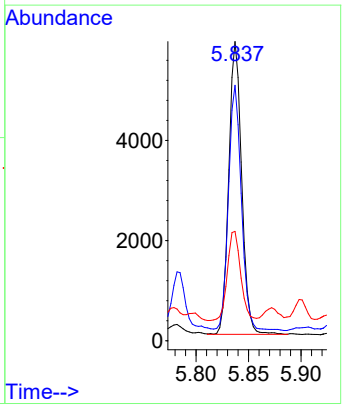


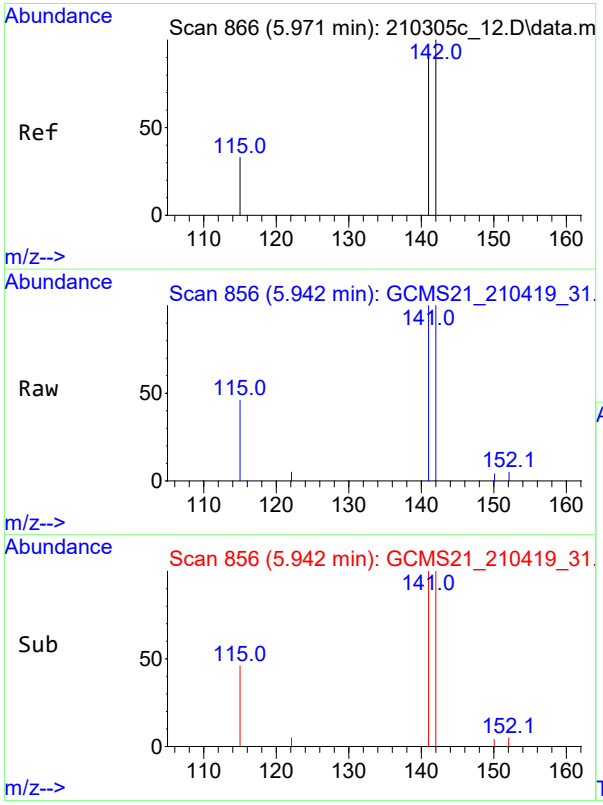


#4
2-Methylnaphthalene
Concen: 6.56 ng/mL
RT: 5.837 min Scan# 820
Delta R.T. -0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:142 Resp: 4987

Ion	Ratio	Lower	Upper
142	100		
141	84.2	57.9	117.9
115	31.4	0.0	58.6

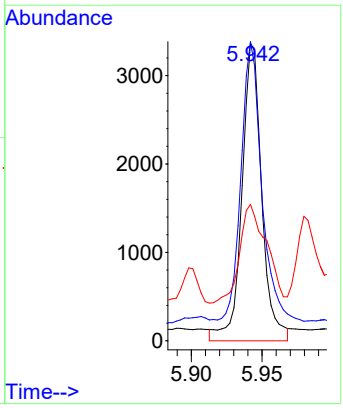


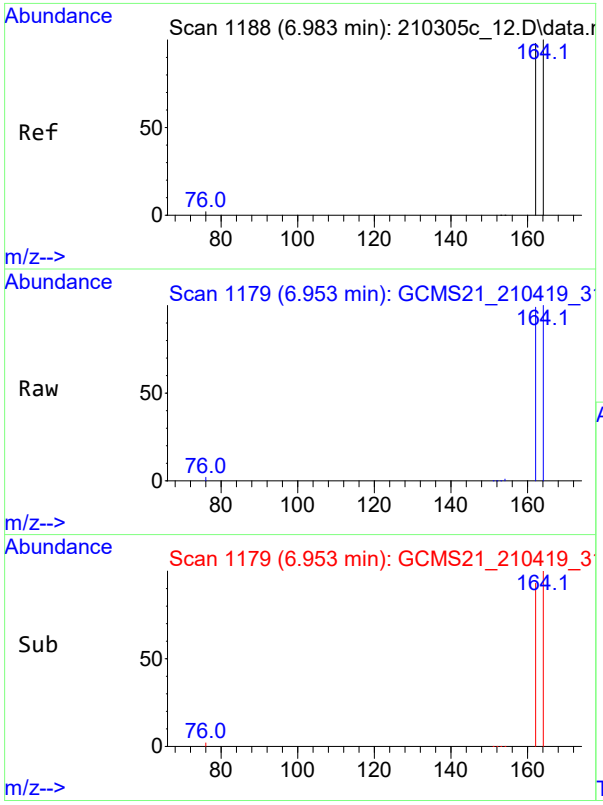


#5
1-Methylnaphthalene
Concen: 4.71 ng/mL m
RT: 5.942 min Scan# 856
Delta R.T. -0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:142 Resp: 3279

Ion	Ratio	Lower	Upper
142	100		
141	95.4	64.1	119.1
115	39.8	21.7	40.3

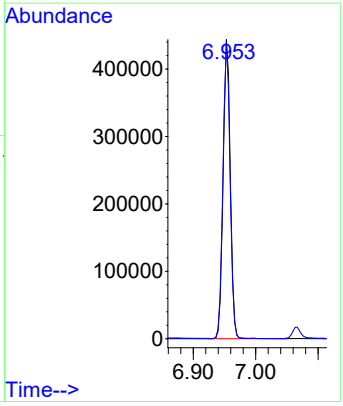


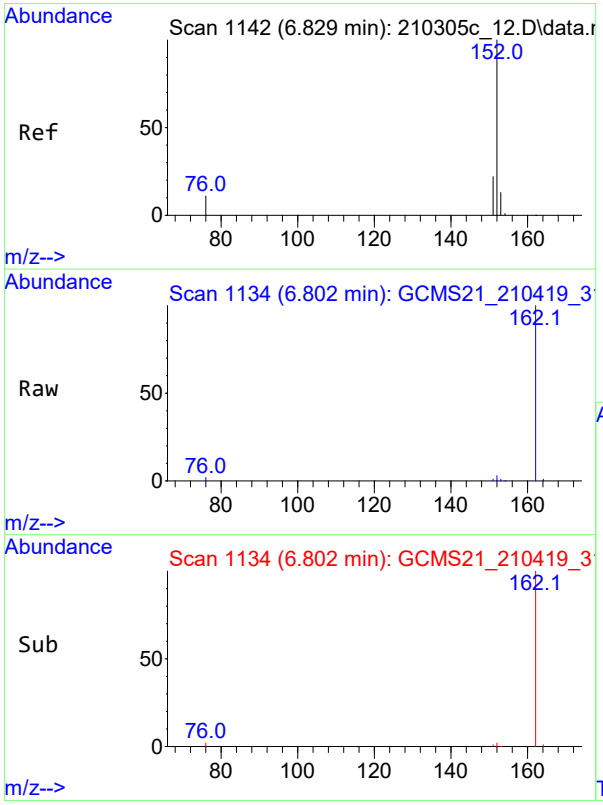


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.953 min Scan# 1179
Delta R.T. -0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:164 Resp: 353453

Ion	Ratio	Lower	Upper
164	100		
162	98.7	78.7	118.7

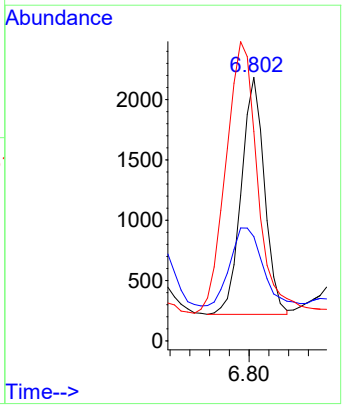


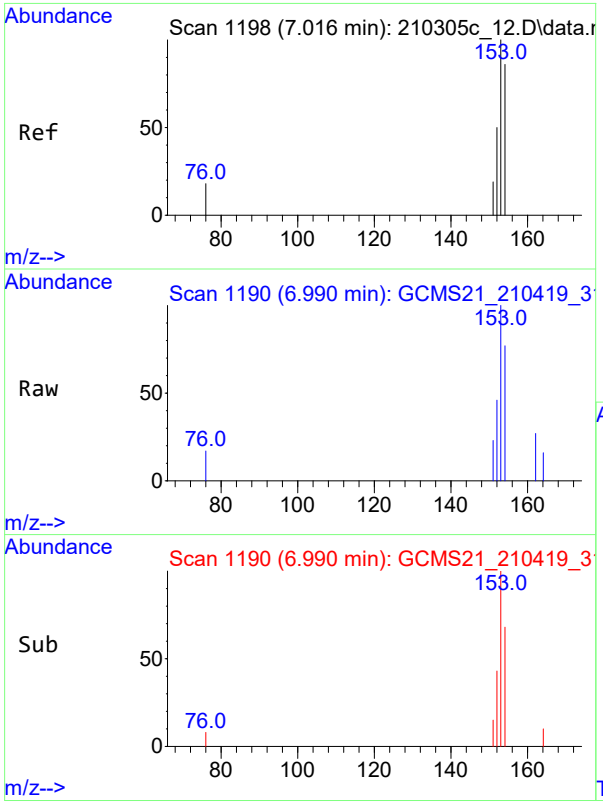


#7
Acenaphthylene
Concen: 1.44 ng/mL
RT: 6.802 min Scan# 1134
Delta R.T. -0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:152 Resp: 1598

Ion	Ratio	Lower	Upper
152	100		
151	45.9	0.0	51.8
76	158.4	0.0	40.5#

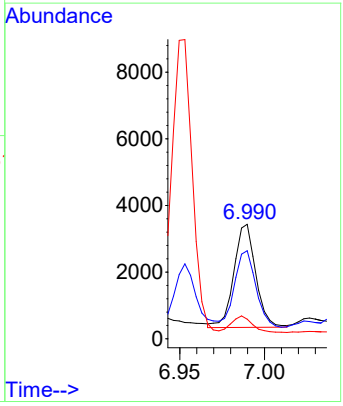


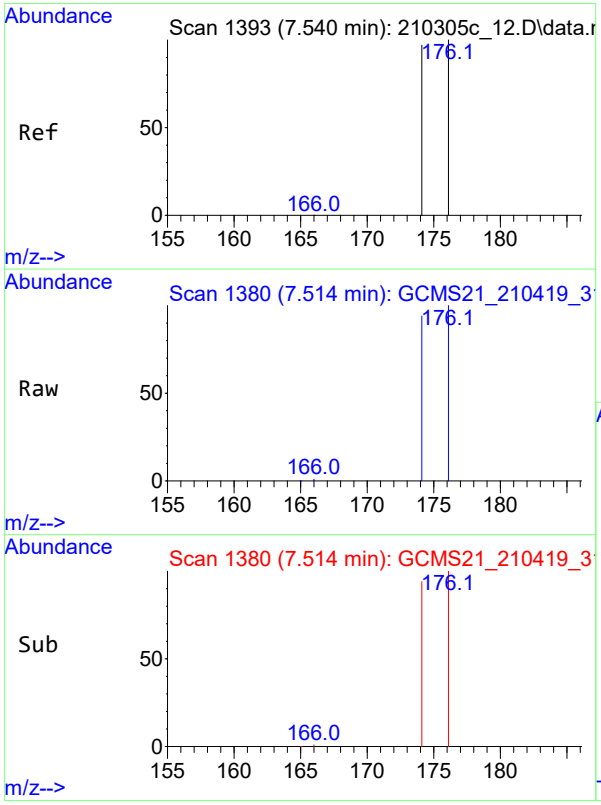


#8
Acenaphthene
Concen: 3.20 ng/mL
RT: 6.990 min Scan# 1190
Delta R.T. 0.002 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:153 Resp: 2779

Ion	Ratio	Lower	Upper
153	100		
154	72.2	55.7	115.7
76	15.0	0.0	50.4

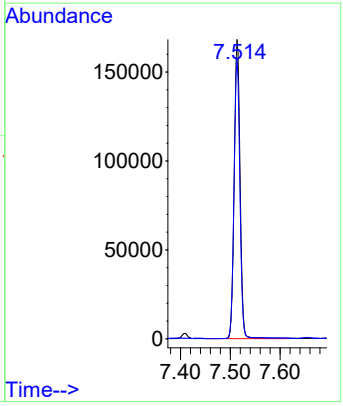


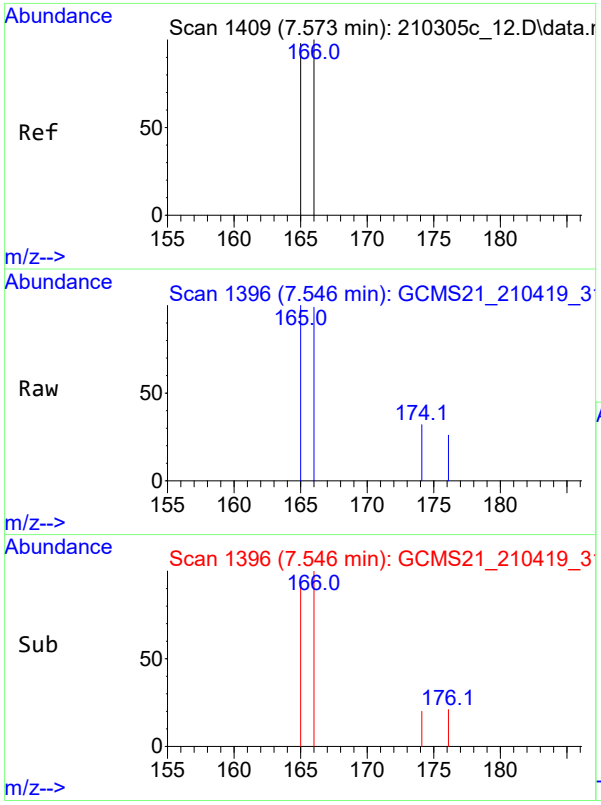


#9
Fluorene-D10
Concen: 165.13 ng/mL
RT: 7.514 min Scan# 1380
Delta R.T. 0.001 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:176 Resp: 136955

Ion	Ratio	Lower	Upper
176	100		
174	93.3	67.4	125.2

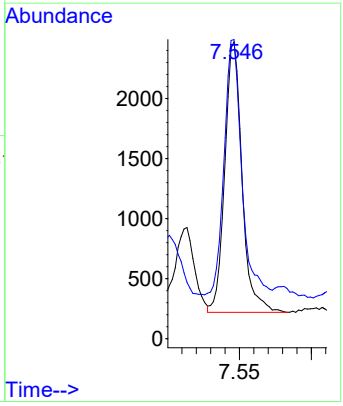


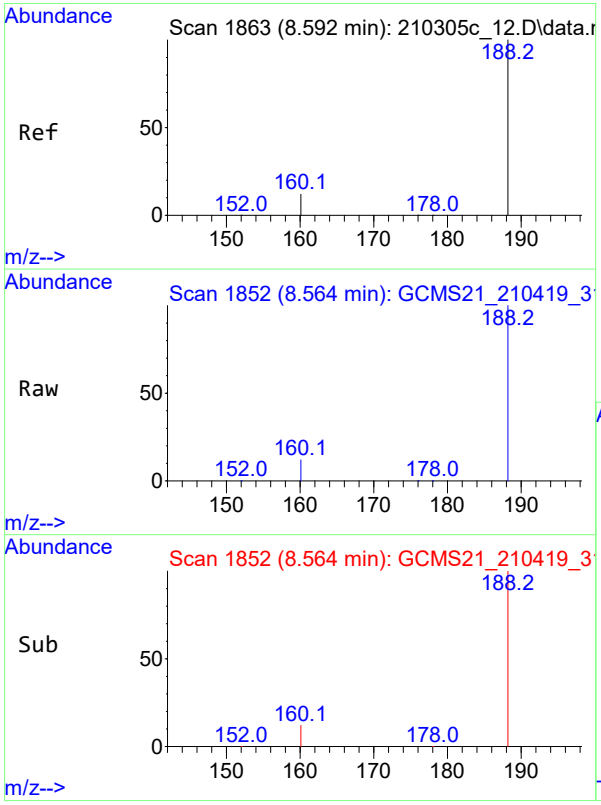


#10
Fluorene
Concen: 1.95 ng/mL
RT: 7.546 min Scan# 1396
Delta R.T. 0.001 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:166 Resp: 1880

Ion	Ratio	Lower	Upper
166	100		
165	94.9	68.1	128.1

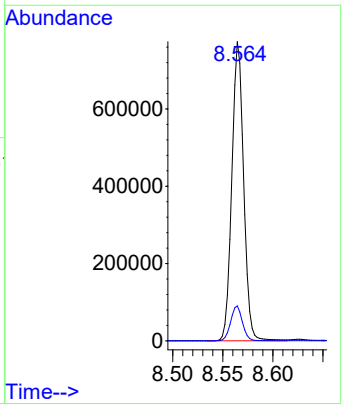


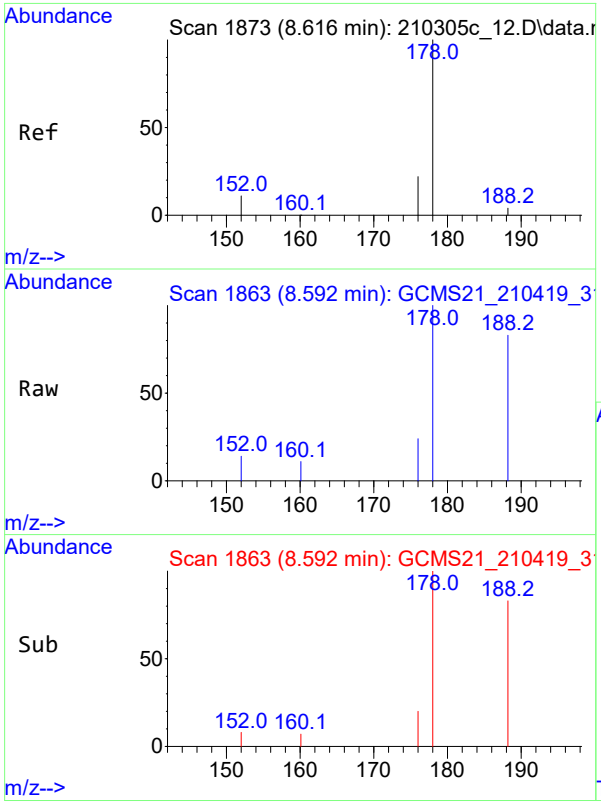


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 8.564 min Scan# 1852
Delta R.T. -0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:188 Resp: 634083

Ion	Ratio	Lower	Upper
188	100		
160	11.6	0.0	41.3

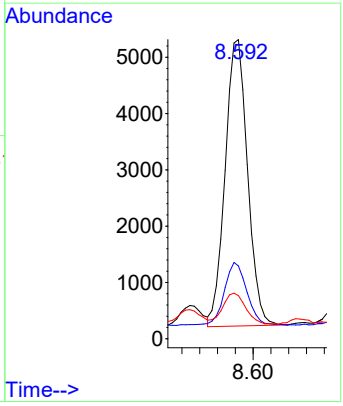


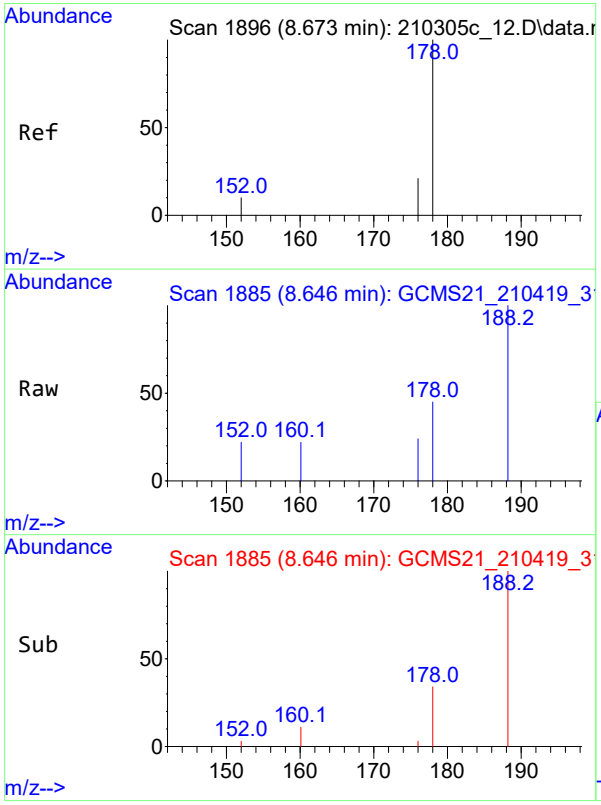


#12
Phenanthrene
Concen: 3.03 ng/mL
RT: 8.592 min Scan# 1863
Delta R.T. -0.000 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:178 Resp: 4446

Ion	Ratio	Lower	Upper
178	100		
176	22.5	0.0	51.6
152	10.8	0.0	41.0

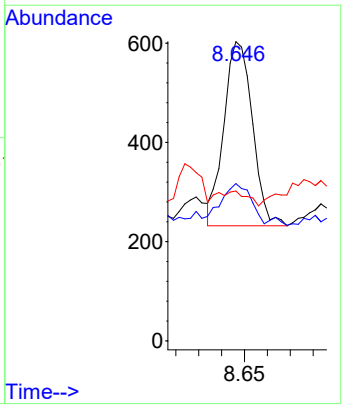


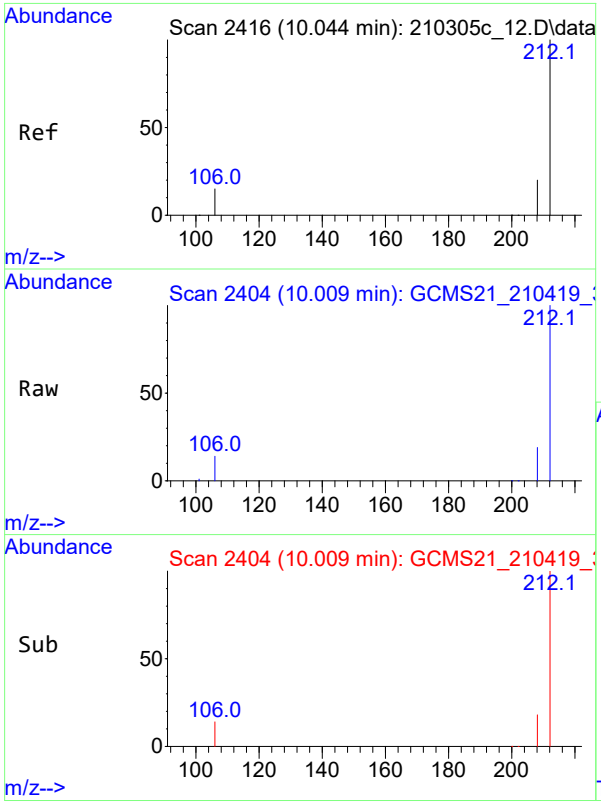


#13
Anthracene
Concen: 0.23 ng/mL
RT: 8.646 min Scan# 1885
Delta R.T. -0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:178 Resp: 321

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	51.0
152	0.0	0.0	39.2

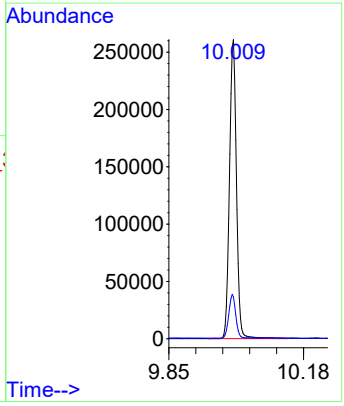


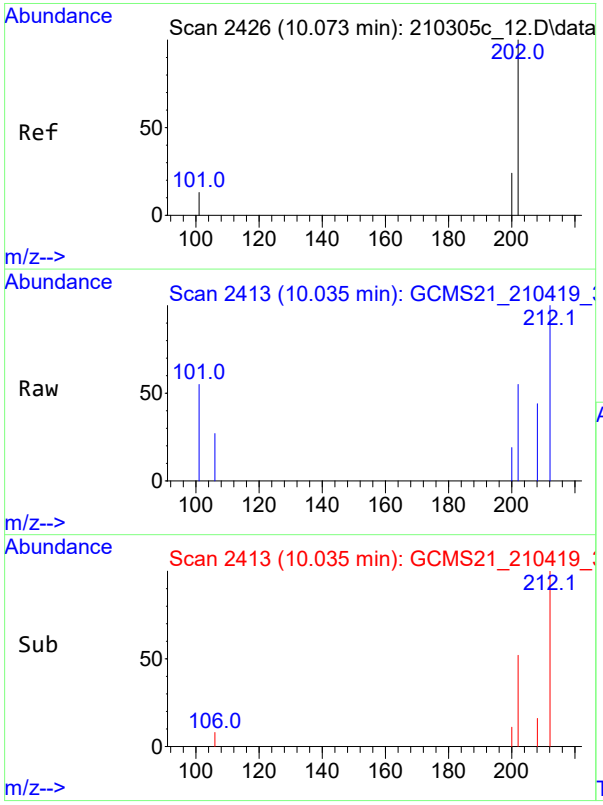


#14
Fluoranthene-D10
Concen: 224.86 ng/mL
RT: 10.009 min Scan# 2404
Delta R.T. -0.007 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:212 Resp: 311259

Ion	Ratio	Lower	Upper
212	100		
106	14.5	10.6	19.6

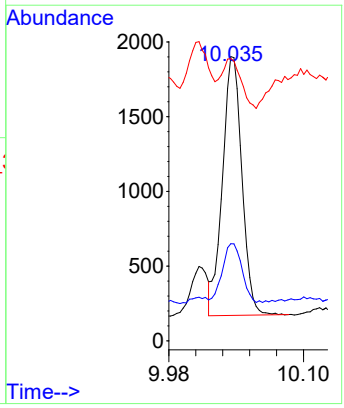


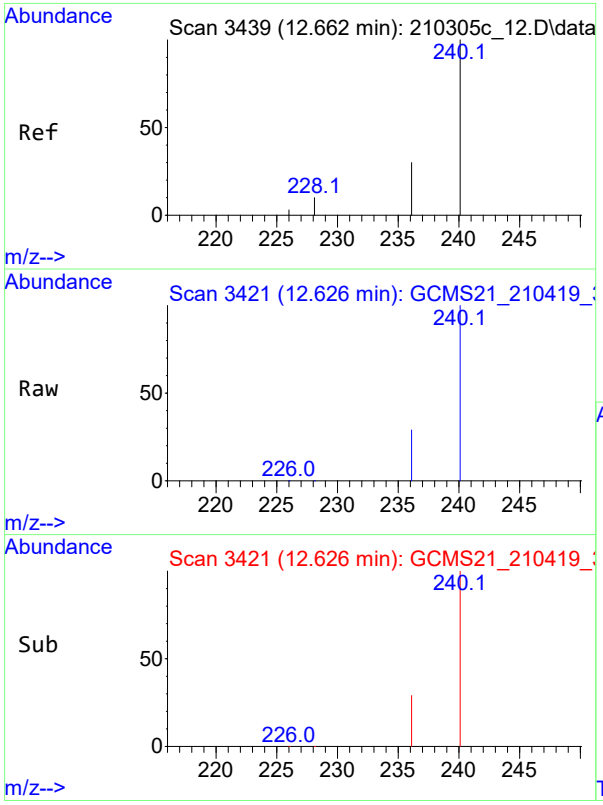


#15
Fluoranthene
Concen: 1.40 ng/mL
RT: 10.035 min Scan# 2413
Delta R.T. -0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:202 Resp: 2148

Ion	Ratio	Lower	Upper
202	100		
200	22.8	0.0	53.7
101	19.6	0.0	42.5

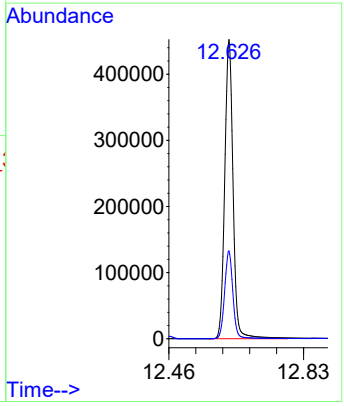


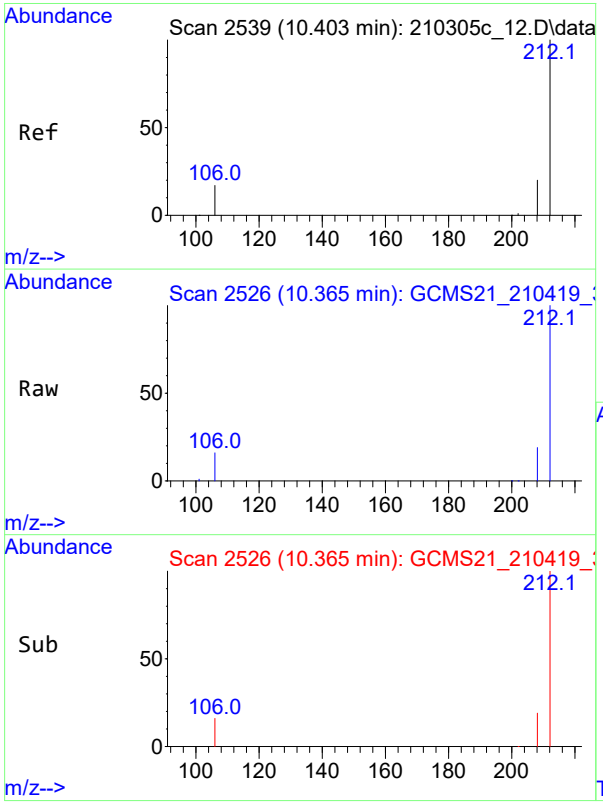


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 12.626 min Scan# 3421
Delta R.T. -0.000 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:240 Resp: 706141

Ion	Ratio	Lower	Upper
240	100		
236	29.3	0.0	59.4

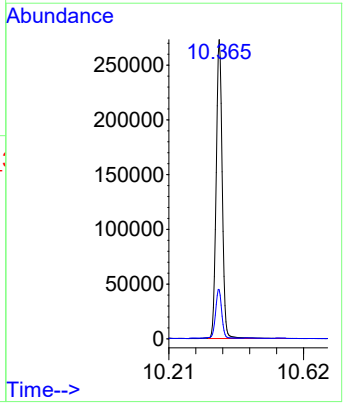


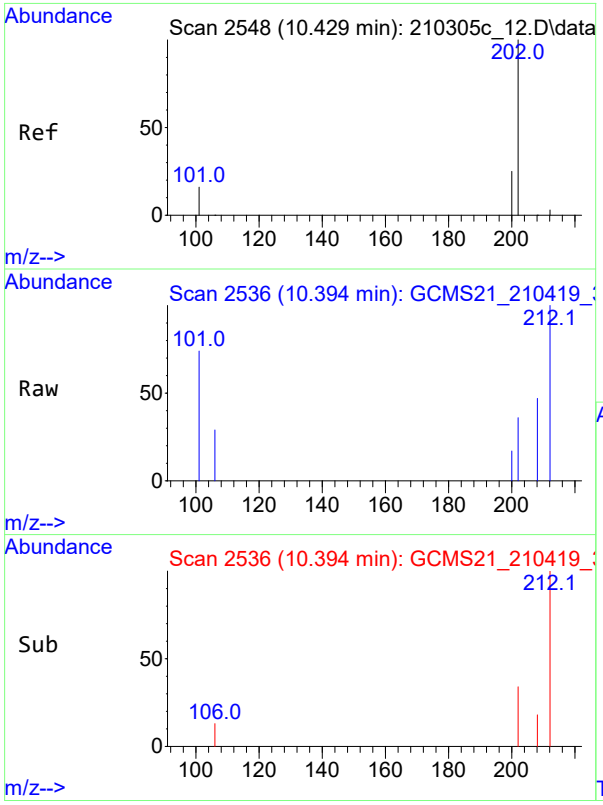


#17
Pyrene-D10
Concen: 203.70 ng/mL
RT: 10.365 min Scan# 2526
Delta R.T. -0.000 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:212 Resp: 344308

Ion	Ratio	Lower	Upper
212	100		
106	16.8	11.8	22.0

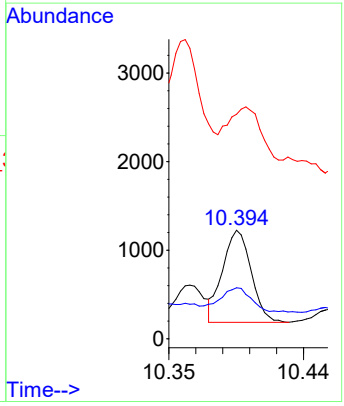


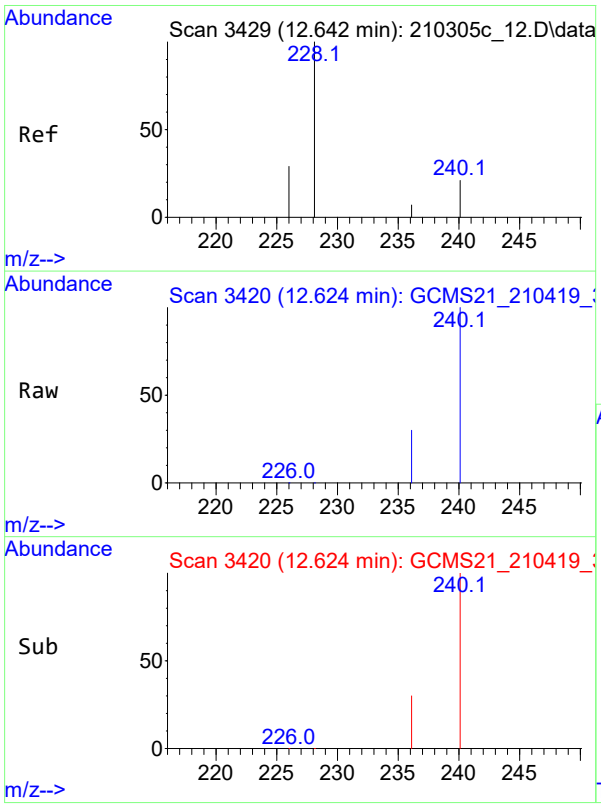


#18
Pyrene
Concen: 0.69 ng/mL m
RT: 10.394 min Scan# 2536
Delta R.T. -0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:202 Resp: 1288

Ion	Ratio	Lower	Upper
202	100		
200	30.3	0.0	53.8
101	33.5	0.0	44.1

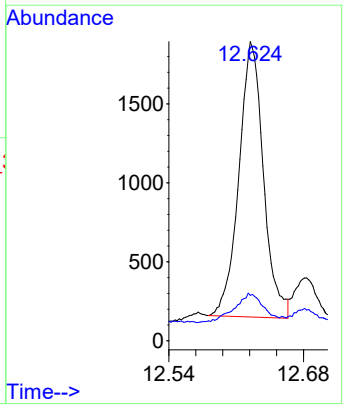


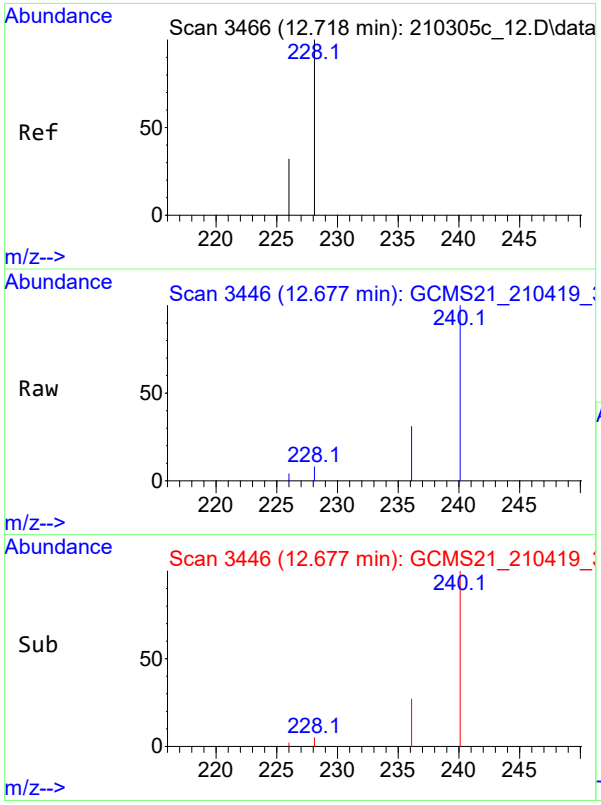


#19
Benzo(a)anthracene
Concen: 2.05 ng/mL
RT: 12.624 min Scan# 3420
Delta R.T. 0.019 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:228 Resp: 2909

Ion	Ratio	Lower	Upper
228	100		
226	12.6	0.0	59.9

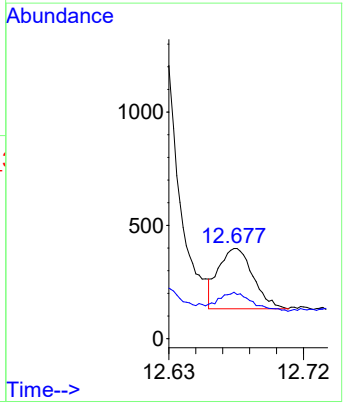


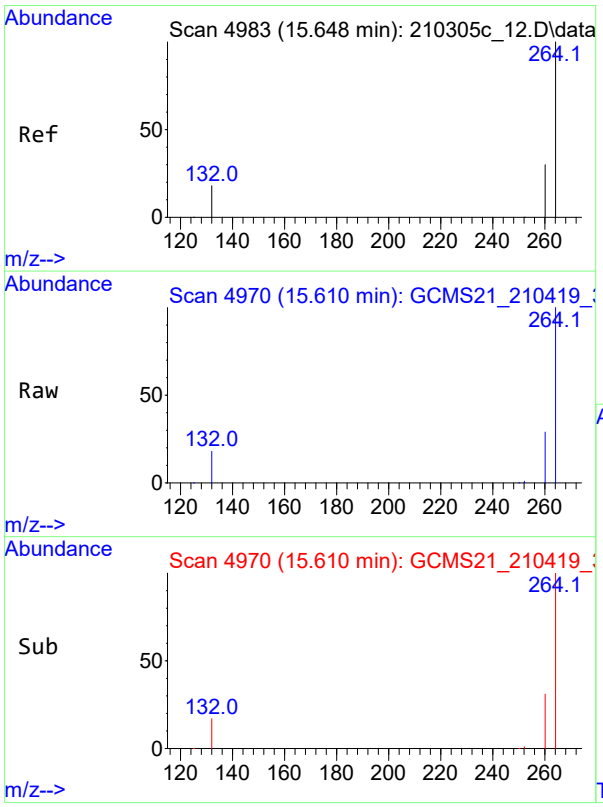


#20
Chrysene
Concen: 0.24 ng/mL
RT: 12.677 min Scan# 3446
Delta R.T. -0.002 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:228 Resp: 412

Ion	Ratio	Lower	Upper
228	100		
226	31.6	2.5	62.5

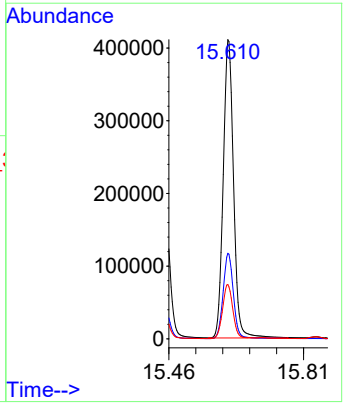


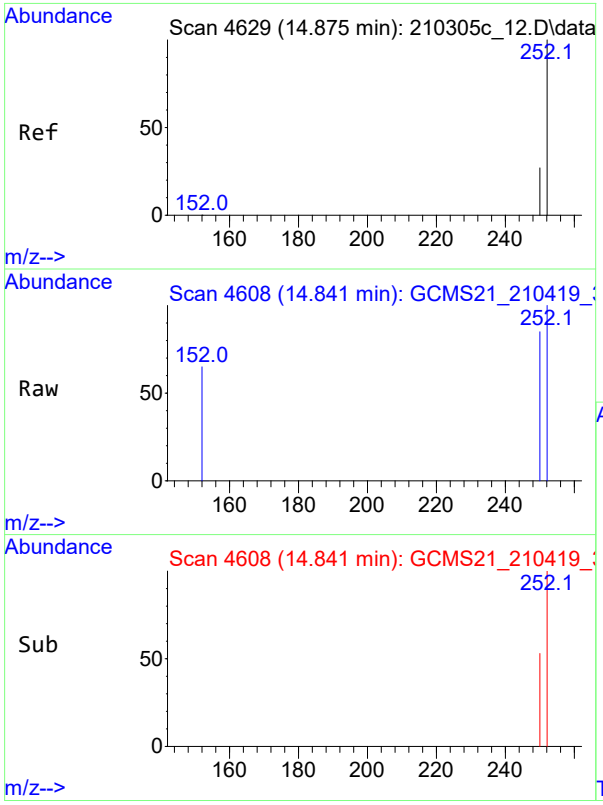


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 15.610 min Scan# 4970
Delta R.T. -0.001 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:264 Resp: 757105

Ion	Ratio	Lower	Upper
264	100		
260	28.6	0.0	58.8
132	18.0	0.0	47.2

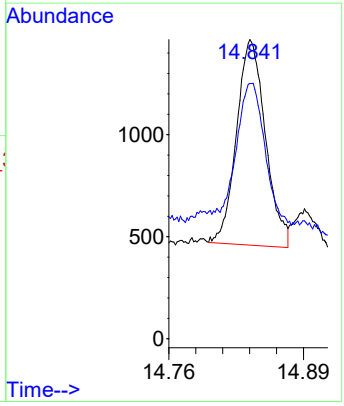


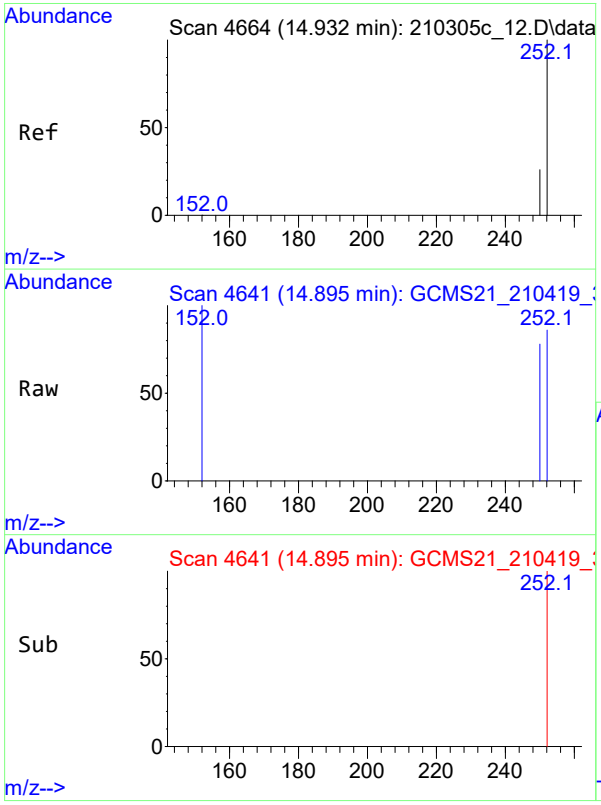


#22
Benzo(b)fluoranthene
Concen: 1.24 ng/mL
RT: 14.841 min Scan# 4608
Delta R.T. 0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:252 Resp: 1989

Ion	Ratio	Lower	Upper
252	100		
250	67.4	0.0	57.2#

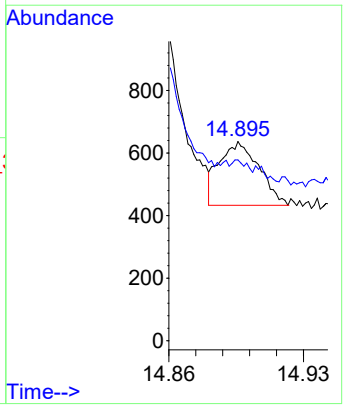


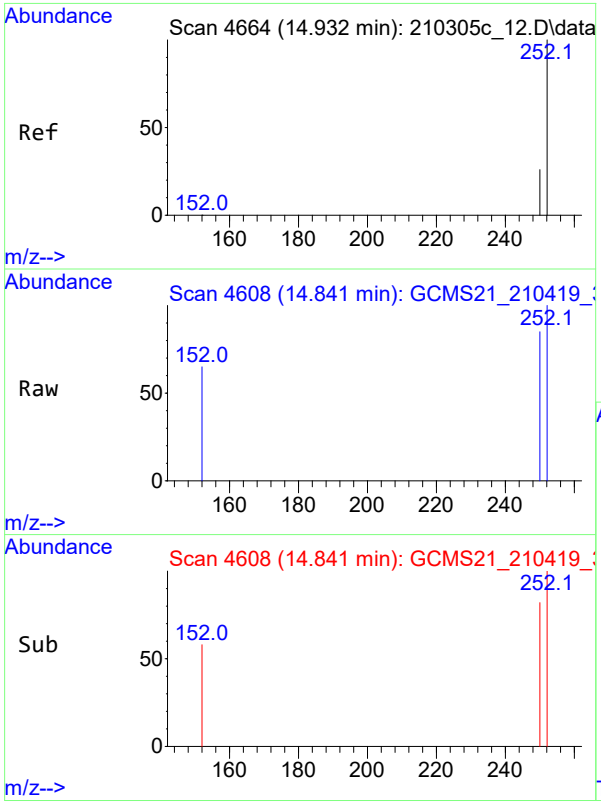


#23
Benzo(k)fluoranthene
Concen: 0.17 ng/mL
RT: 14.895 min Scan# 4641
Delta R.T. 0.001 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:252 Resp: 311

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	56.2

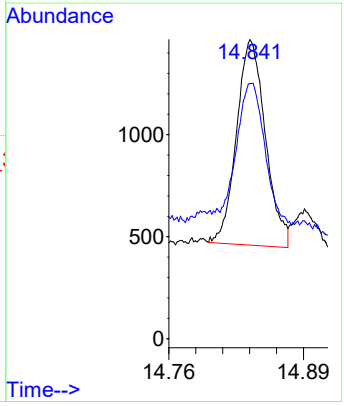


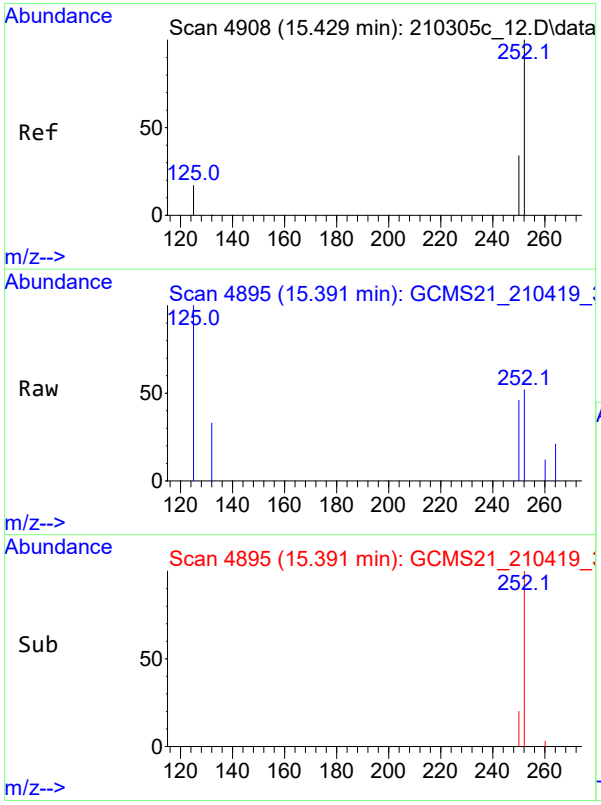


#24
benzo(b+k)fluoranthene (sum)
Concen: 1.17 ng/mL
RT: 14.841 min Scan# 4608
Delta R.T. 0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:252 Resp: 1989

Ion	Ratio	Lower	Upper
252	100		
250	67.4	0.0	57.2#

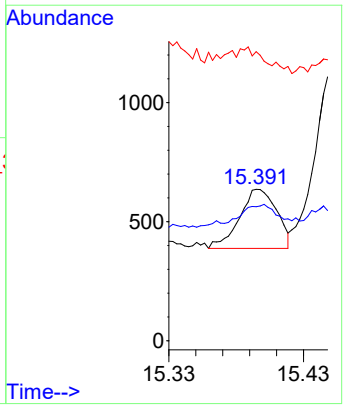


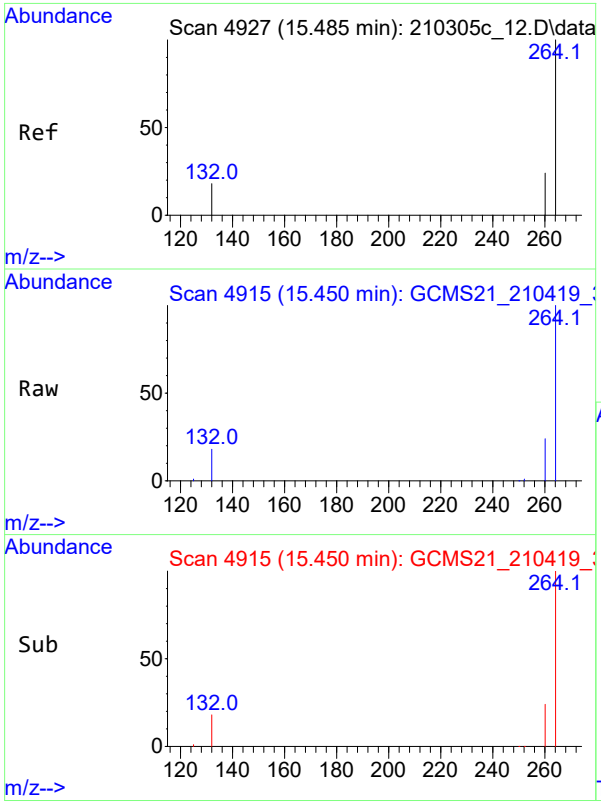


#25
Benzo(e)pyrene
Concen: 0.29 ng/mL
RT: 15.391 min Scan# 4895
Delta R.T. -0.001 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:252 Resp: 473

Ion	Ratio	Lower	Upper
252	100		
250	26.8	23.2	43.0
125	30.2	10.6	19.8#

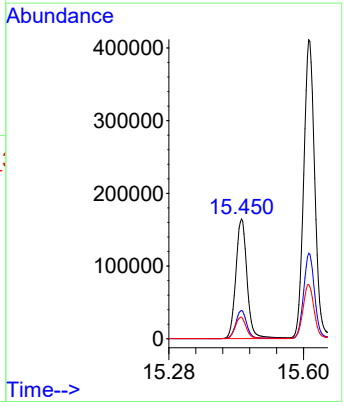


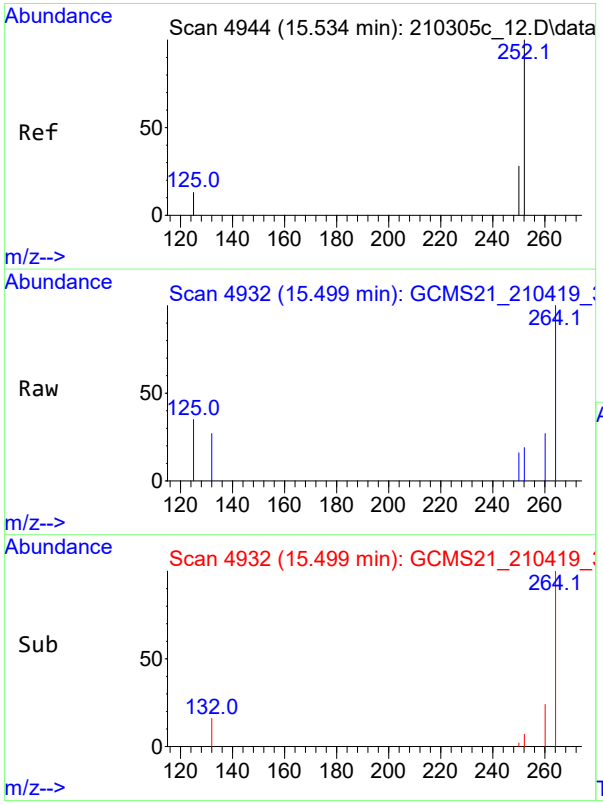


#26
Benzo(a)pyrene-D12
Concen: 236.49 ng/mL
RT: 15.450 min Scan# 4915
Delta R.T. 0.003 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:264 Resp: 307544

Ion	Ratio	Lower	Upper
264	100		
260	23.6	16.7	31.1
132	17.9	12.2	22.6

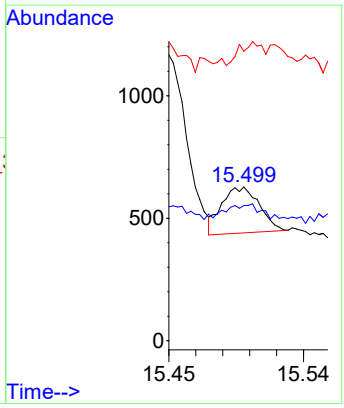


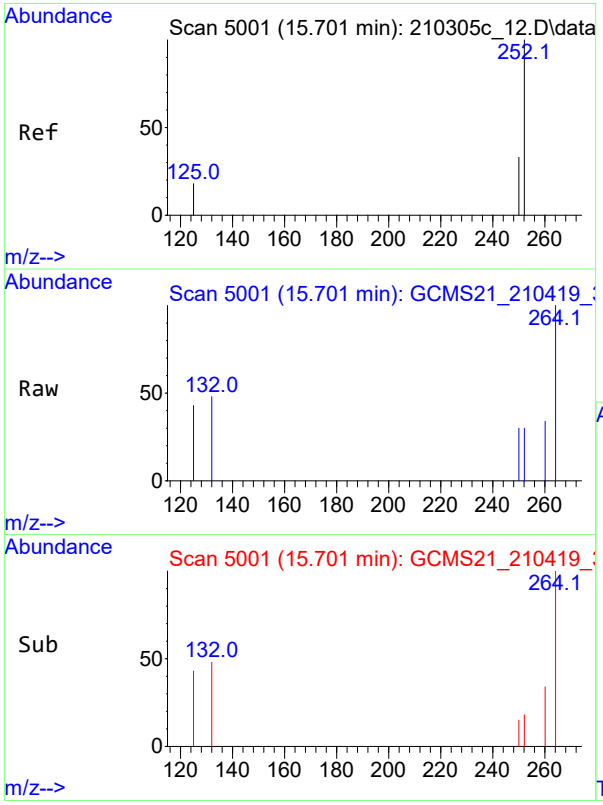


#27
Benzo(a)pyrene
Concen: 0.21 ng/mL
RT: 15.499 min Scan# 4932
Delta R.T. 0.005 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:252 Resp: 326

Ion	Ratio	Lower	Upper
252	100		
250	0.0	0.0	57.6
125	30.7	0.0	41.5

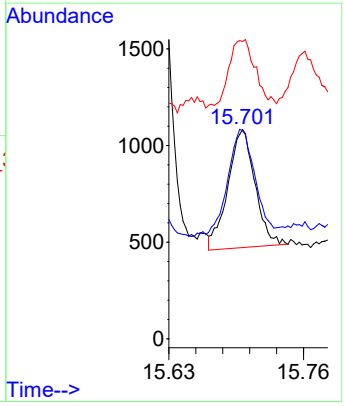


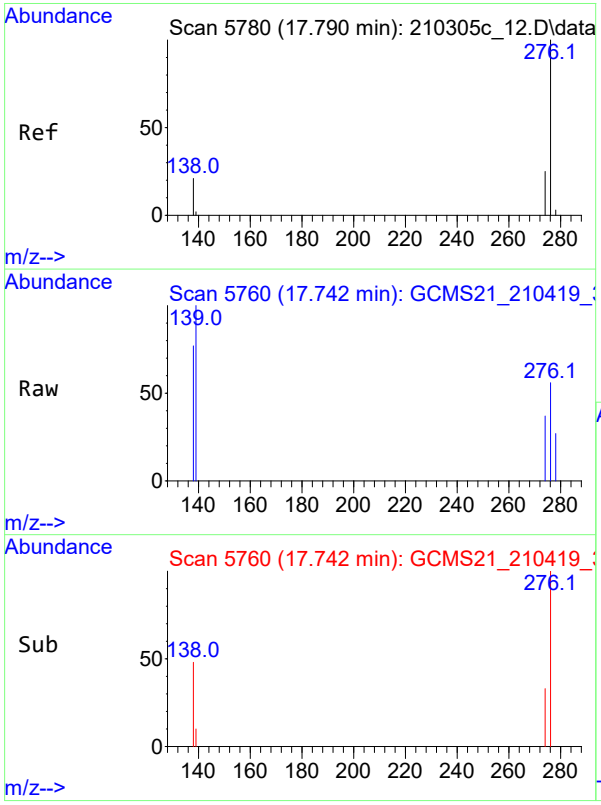


#28
Perylene
Concen: 0.67 ng/mL
RT: 15.701 min Scan# 5001
Delta R.T. 0.038 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:252 Resp: 1185

Ion	Ratio	Lower	Upper
252	100		
250	92.5	22.7	42.1#
125	57.1	11.2	20.8#

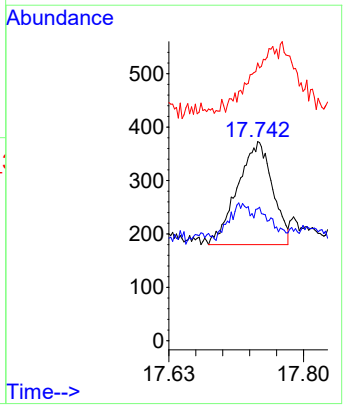


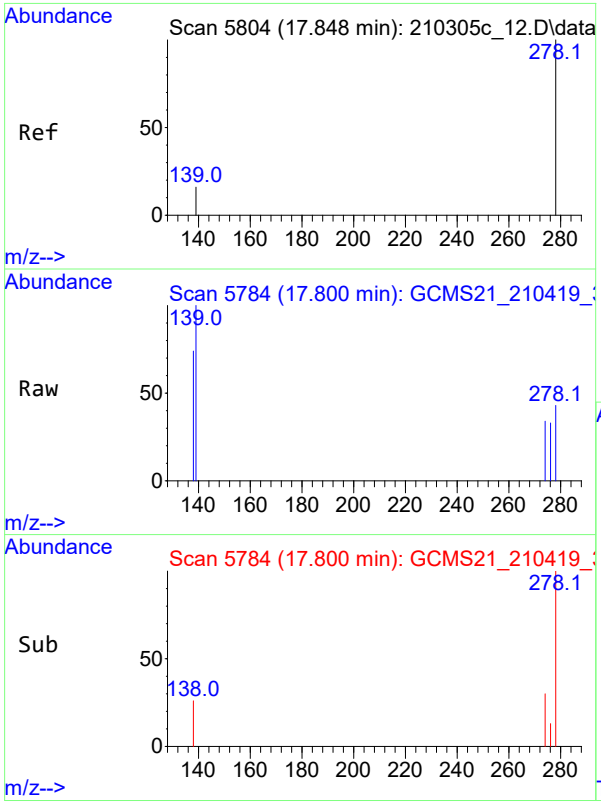


#29
Indeno(1,2,3-cd)pyrene
Concen: 0.39 ng/mL
RT: 17.742 min Scan# 5760
Delta R.T. 0.002 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:276 Resp: 596

Ion	Ratio	Lower	Upper
276	100		
274	0.0	0.0	54.8
138	47.5	0.0	50.4

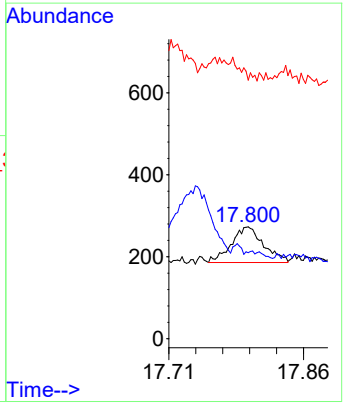


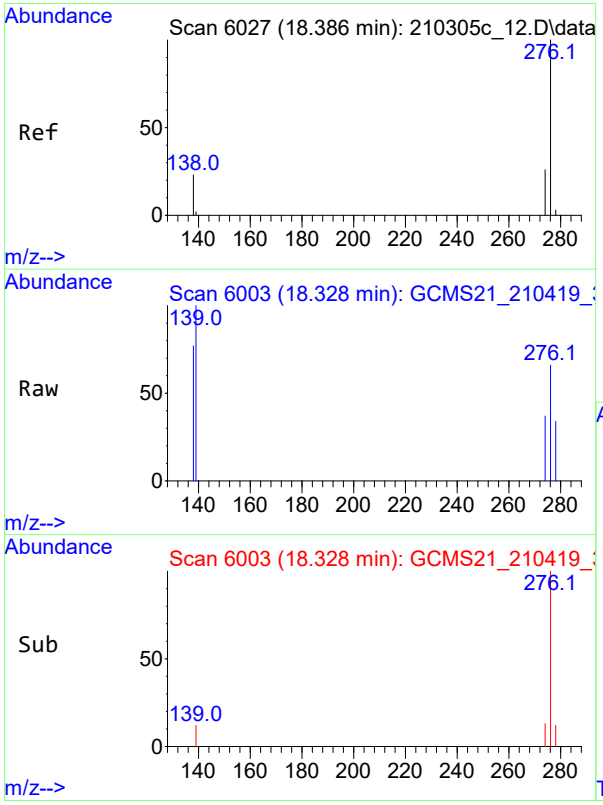


#30
Dibenz(a,h)anthracene
Concen: 0.13 ng/mL
RT: 17.800 min Scan# 5784
Delta R.T. 0.002 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:278 Resp: 212

Ion	Ratio	Lower	Upper
278	100		
276	0.0	0.0	59.7
139	0.0	0.0	46.8

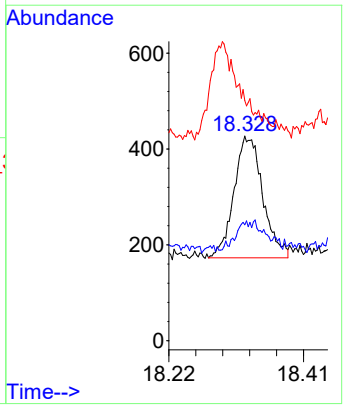




#31
Benzo(g,h,i)perylene
Concen: 0.39 ng/mL
RT: 18.328 min Scan# 6003
Delta R.T. -0.002 min
Lab File: GCMS21_210419_31.D
Acq: 19 Apr 2021 23:45

Tgt Ion:276 Resp: 708

Ion	Ratio	Lower	Upper
276	100		
274	0.0	0.0	55.7
138	72.9	0.0	52.3#



Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210329_PUFcleanedcheck\
Data File : GCMS21_210329_07A.D
Acq On : 29 Mar 2021 17:43
Operator : MN
Sample : B21C044-BLK1
Misc :
ALS Vial : 6 Sample Multiplier: 1

This blank documents the acceptability of PUF disks cleaned 04.13.21 and deployed to the field for samples -07, -08, -10, -11, -12, and -13. This batch of disks was the source of disks for batch QC for extraction batch B21E006 reported in this work order. All target analytes were < 1/5th the MRL, as required as a precondition for use. MN 07.28.21 & KL 7/29/21.

Quant Time: Mar 30 08:38:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210308.M
Quant Title : BURNSHABOR 20210202
QLast Update : Mon Mar 08 17:35:35 2021
Response via : Initial Calibration

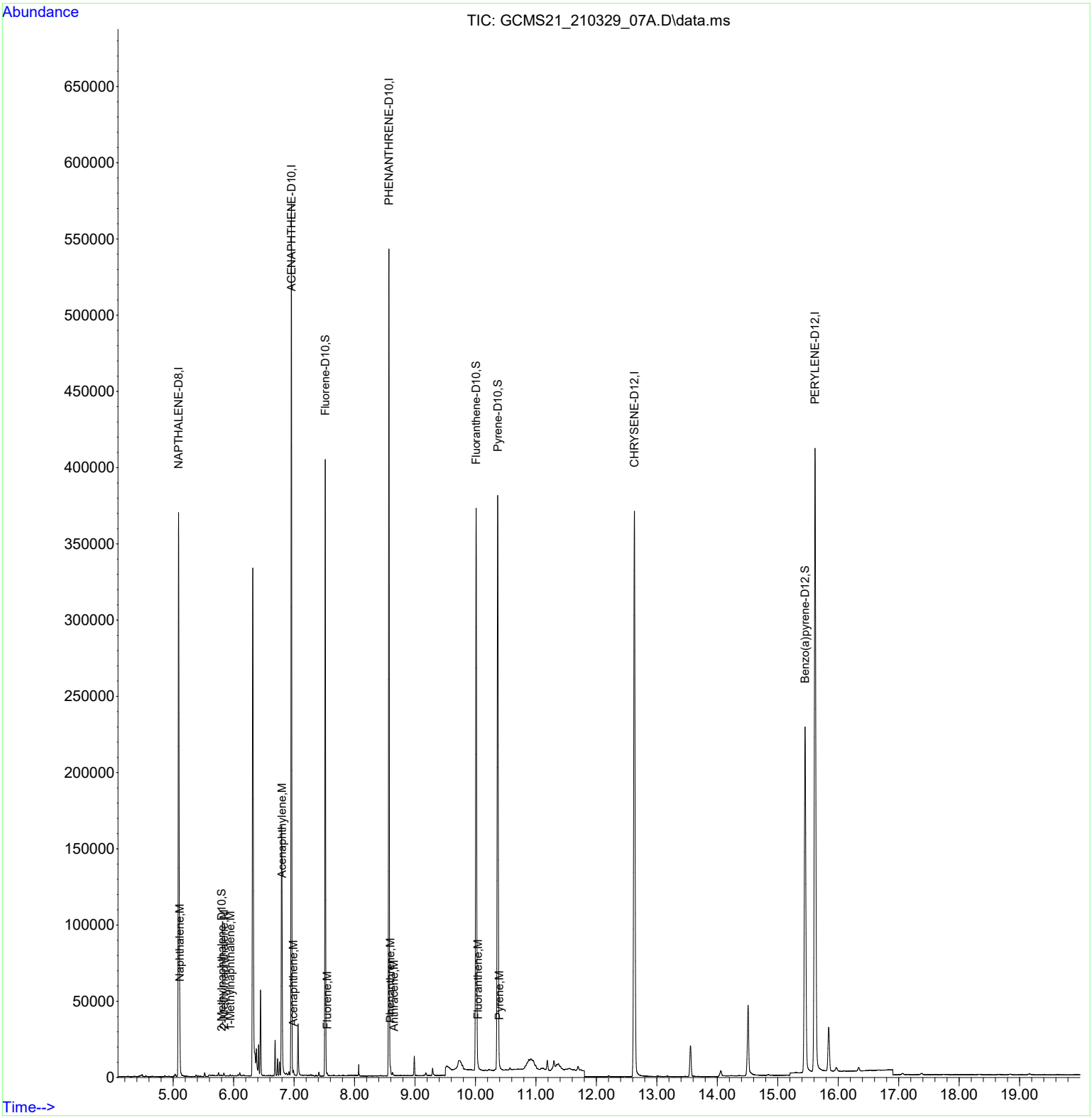
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) NAPTHALENE-D8	5.090	136	360942	500.00	ng/mL	0.00
6) ACENAPHTHENE-D10	6.956	164	225064	500.00	ng/mL	0.00
11) PHENANTHRENE-D10	8.569	188	408503	500.00	ng/mL	0.00
16) CHRYSENE-D12	12.630	240	446396	500.00	ng/mL	0.00
21) PERYLENE-D12	15.616	264	473304	500.00	ng/mL	0.00
System Monitoring Compounds						
3) 2-Methylnaphthalene-D10	5.805	152	139	0.30	ng/mL	0.00
9) Fluorene-D10	7.515	176	164837	312.04	ng/mL	0.00
14) Fluoranthene-D10	10.011	212	328295	368.14	ng/mL	0.00
17) Pyrene-D10	10.368	212	340021	318.21	ng/mL	0.00
26) Benzo(a)pyrene-D12	15.452	264	283968	349.30	ng/mL	0.00
Target Compounds						Qvalue
2) Naphthalene	5.112	128	1414	1.88	ng/mL	95
4) 2-Methylnaphthalene	5.840	142	717	1.41	ng/mL	97
5) 1-Methylnaphthalene	5.945	142	319m	0.68	ng/mL	
7) Acenaphthylene	6.802	152	289	0.41	ng/mL#	1
8) Acenaphthene	6.990	153	864	1.56	ng/mL	92
10) Fluorene	7.546	166	605	0.99	ng/mL	95
12) Phenanthrene	8.594	178	2581	2.72	ng/mL	100
13) Anthracene	8.651	178	140	0.16	ng/mL#	61
15) Fluoranthene	10.041	202	1176	1.19	ng/mL#	55
18) Pyrene	10.397	202	667	0.57	ng/mL	78
19) Benzo(a)anthracene	0.000		0	N.D.	d	
20) Chrysene	0.000		0	N.D.	d	
22) Benzo(b)fluoranthene	0.000		0	N.D.	d	
23) Benzo(k)fluoranthene	0.000		0	N.D.	d	
24) benzo(b+k)fluoranthene...	0.000		0	N.D.	d	
25) Benzo(e)pyrene	0.000		0	N.D.	d	
27) Benzo(a)pyrene	0.000		0	N.D.	d	
28) Perylene	0.000		0	N.D.	d	
29) Indeno(1,2,3-cd)pyrene	0.000		0	N.D.	d	
30) Dibenz(a,h)anthracene	0.000		0	N.D.	d	
31) Benzo(g,h,i)perylene	0.000		0	N.D.	d	

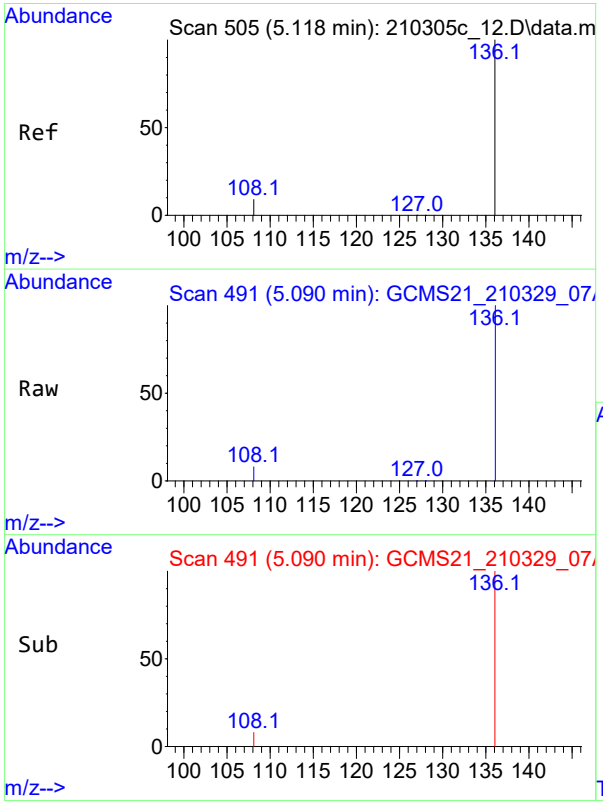
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : D:\MassHunter\GCMS\1\data\210329_PUFcleanedcheck\
Data File : GCMS21_210329_07A.D
Acq On : 29 Mar 2021 17:43
Operator : MN
Sample : B21C044-BLK1
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 30 08:38:34 2021
Quant Method : D:\MassHunter\GCMS\1\methods\processing\BURNSHARBOR210308.M
Quant Title : BURNSHABOR 20210202
QLast Update : Mon Mar 08 17:35:35 2021
Response via : Initial Calibration

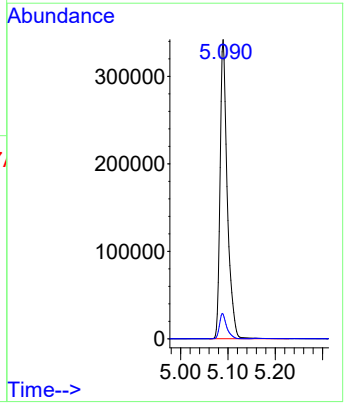


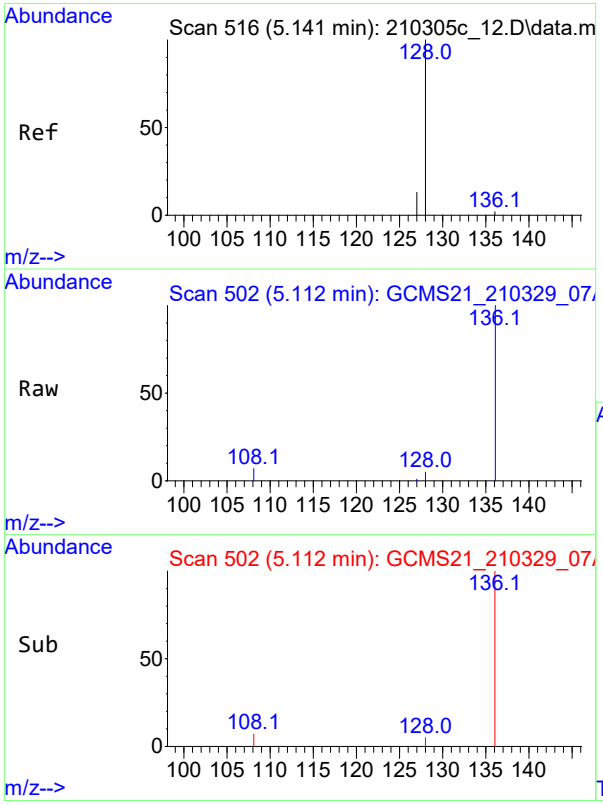


#1
NAPTHALENE-D8
Concen: 500.00 ng/mL
RT: 5.090 min Scan# 491
Delta R.T. -0.004 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:136 Resp: 360942

Ion	Ratio	Lower	Upper
136	100		
108	8.5	0.0	28.3

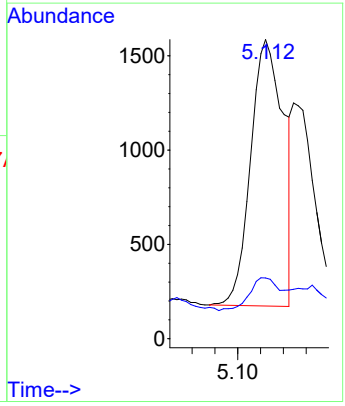


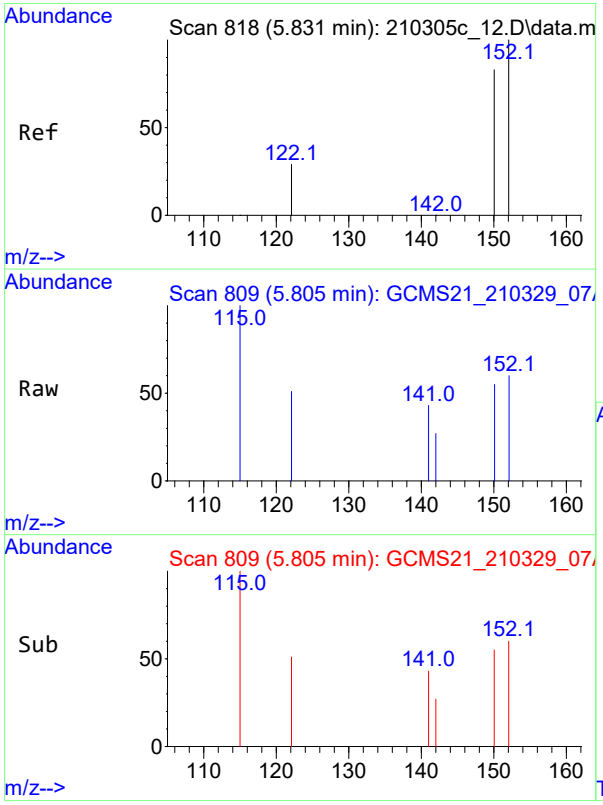


#2
Naphthalene
Concen: 1.88 ng/mL
RT: 5.112 min Scan# 502
Delta R.T. -0.002 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:128 Resp: 1414

Ion	Ratio	Lower	Upper
128	100		
127	11.2	0.0	43.3

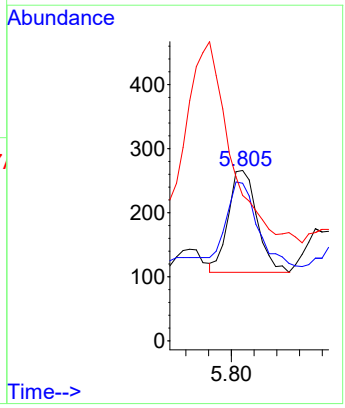


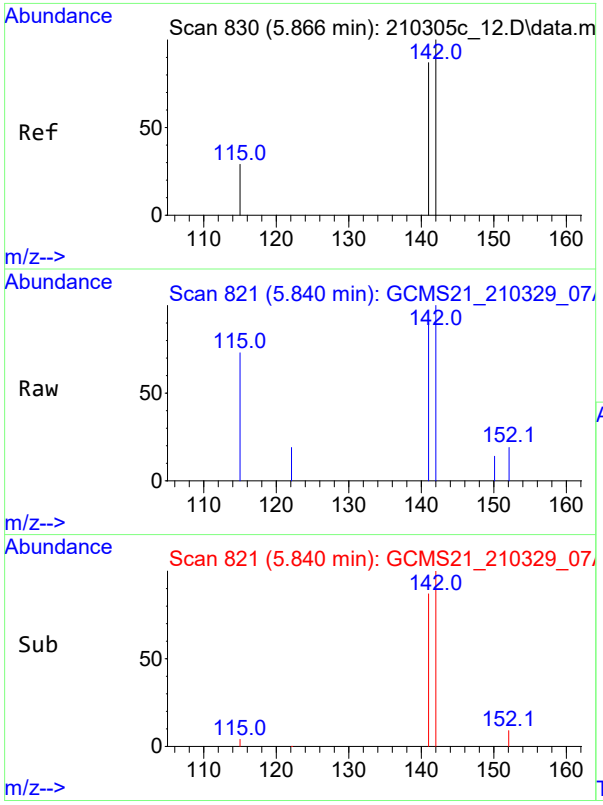


#3
2-Methylnaphthalene-D10
Concen: 0.30 ng/mL
RT: 5.805 min Scan# 809
Delta R.T. 0.005 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:152 Resp: 139

Ion	Ratio	Lower	Upper
152	100		
150	91.4	58.0	107.8
122	328.1	20.6	38.4#

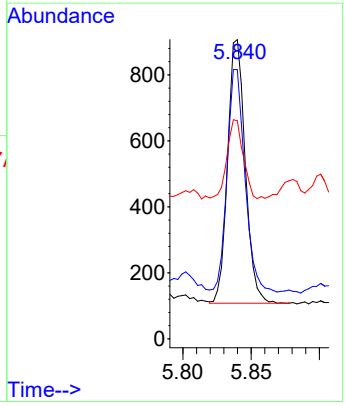


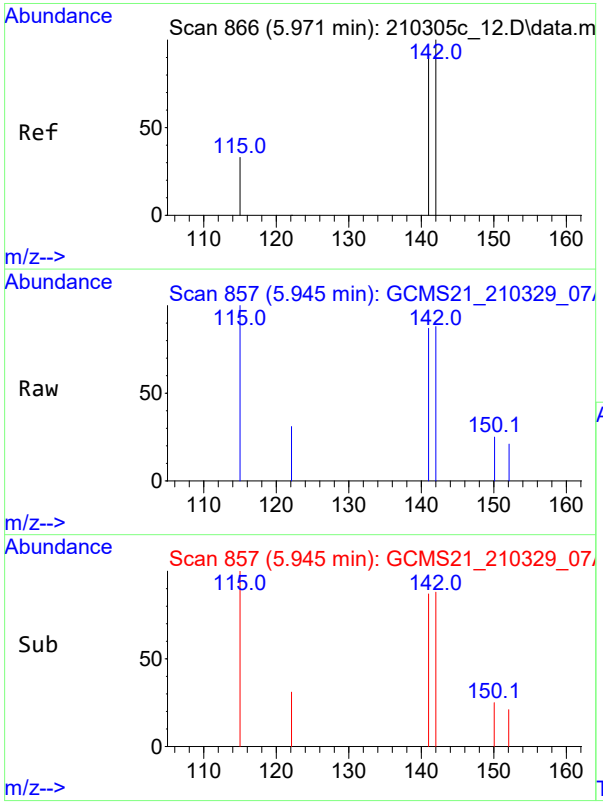


#4
2-Methylnaphthalene
Concen: 1.41 ng/mL
RT: 5.840 min Scan# 821
Delta R.T. -0.000 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:142 Resp: 717

Ion	Ratio	Lower	Upper
142	100		
141	85.2	57.9	117.9
115	27.3	0.0	58.6

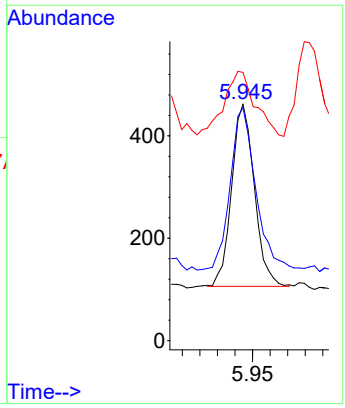


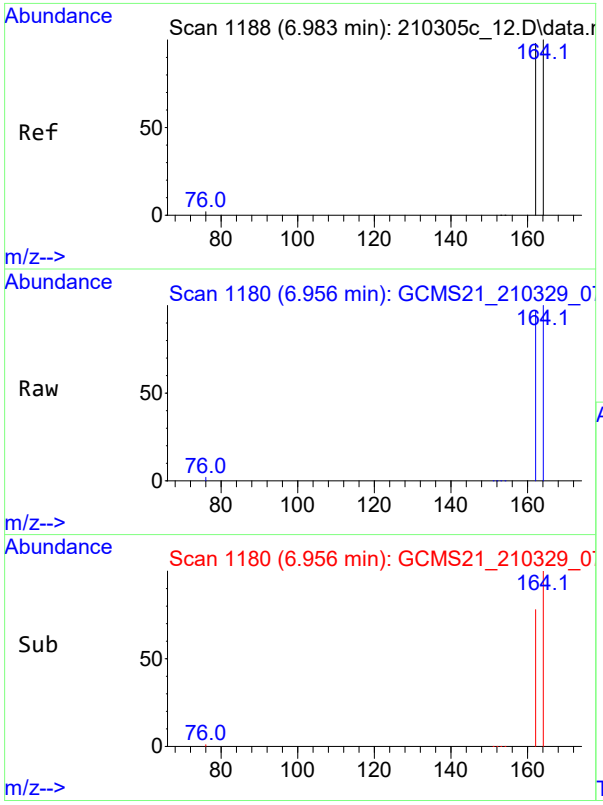


#5
1-Methylnaphthalene
Concen: 0.68 ng/mL m
RT: 5.945 min Scan# 857
Delta R.T. -0.000 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:142 Resp: 319

Ion	Ratio	Lower	Upper
142	100		
141	191.5	64.1	119.1#
115	61.4	21.7	40.3#

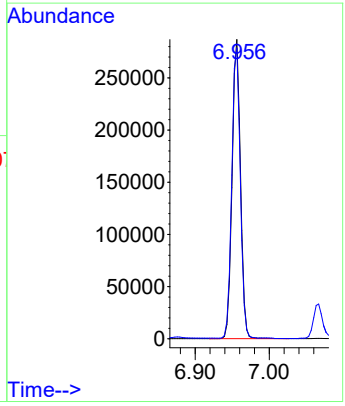


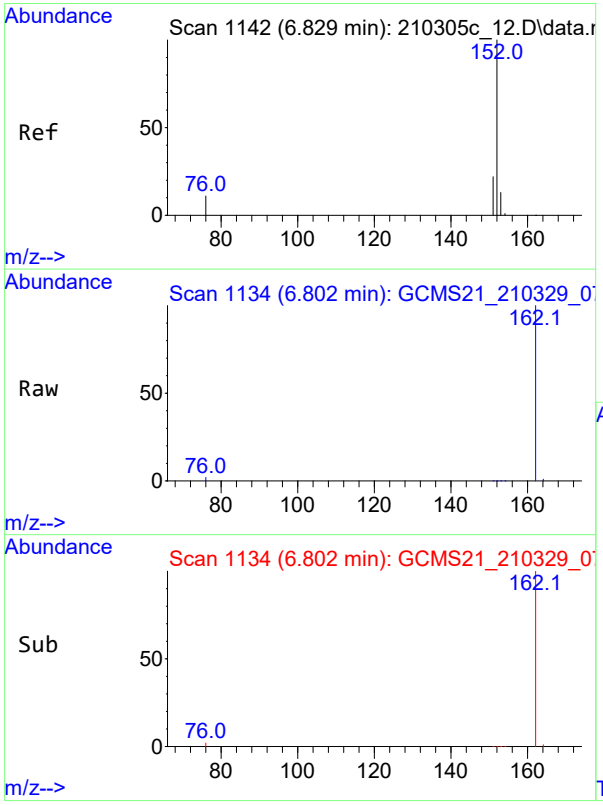


#6
ACENAPHTHENE-D10
Concen: 500.00 ng/mL
RT: 6.956 min Scan# 1180
Delta R.T. -0.000 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:164 Resp: 225064

Ion	Ratio	Lower	Upper
164	100		
162	99.3	78.7	118.7

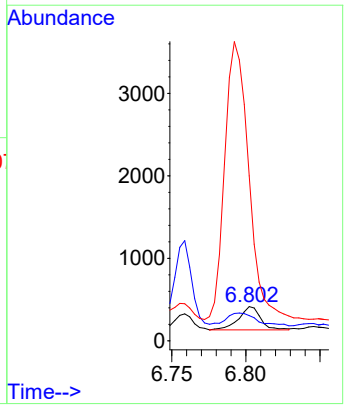


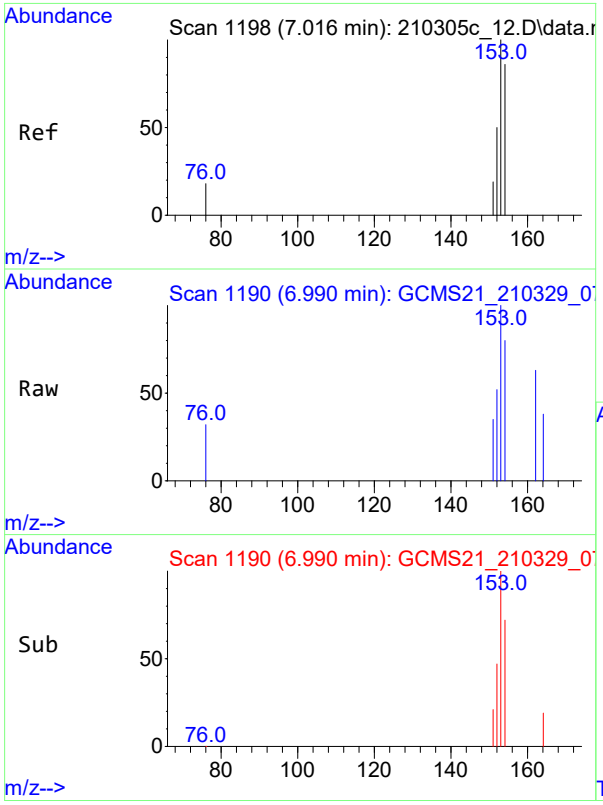


#7
Acenaphthylene
Concen: 0.41 ng/mL
RT: 6.802 min Scan# 1134
Delta R.T. -0.003 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:152 Resp: 289

Ion	Ratio	Lower	Upper
152	100		
151	75.8	0.0	51.8#
76	1314.9	0.0	40.5#

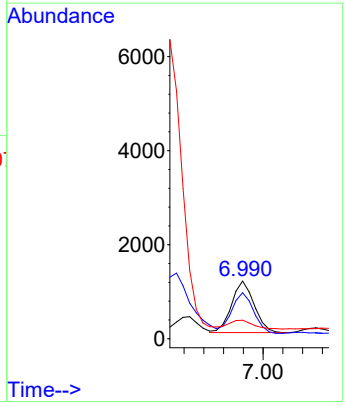


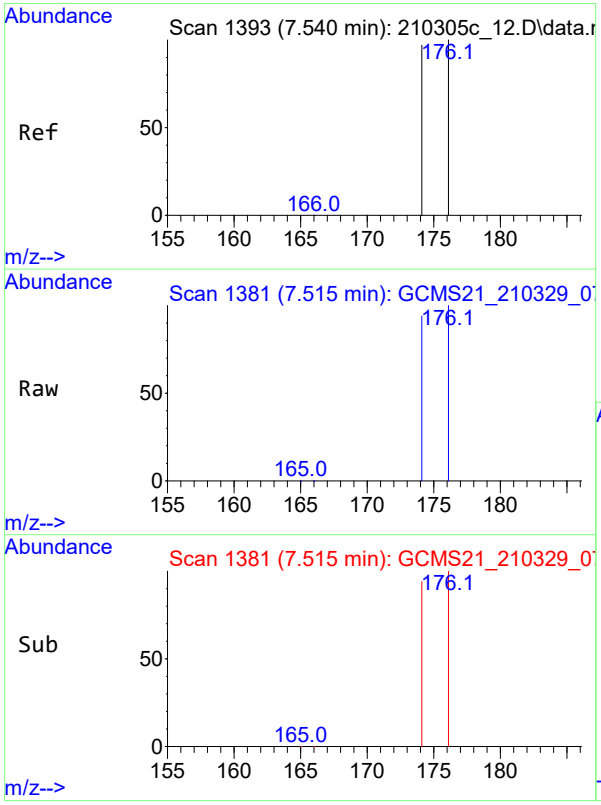


#8
Acenaphthene
Concen: 1.56 ng/mL
RT: 6.990 min Scan# 1190
Delta R.T. 0.002 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:153 Resp: 864

Ion	Ratio	Lower	Upper
153	100		
154	77.3	55.7	115.7
76	18.5	0.0	50.4

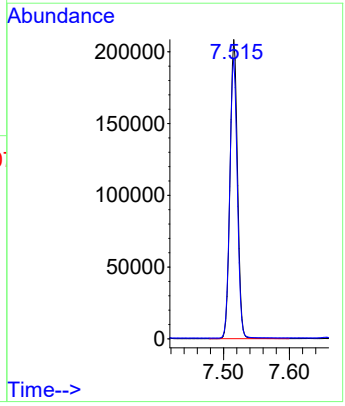


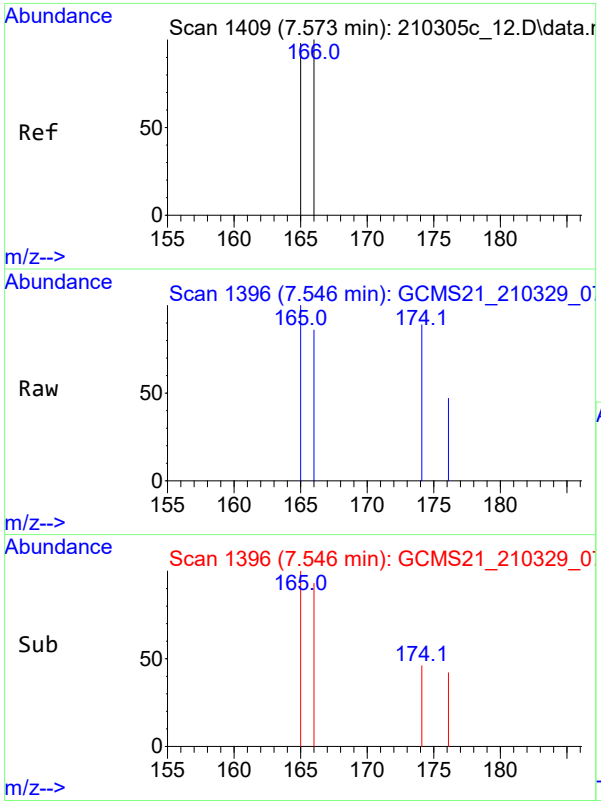


#9
Fluorene-D10
Concen: 312.04 ng/mL
RT: 7.515 min Scan# 1381
Delta R.T. 0.003 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:176 Resp: 164837

Ion	Ratio	Lower	Upper
176	100		
174	93.8	67.4	125.2

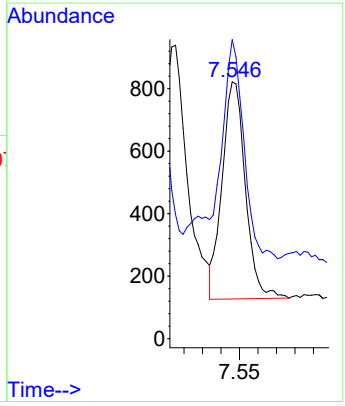


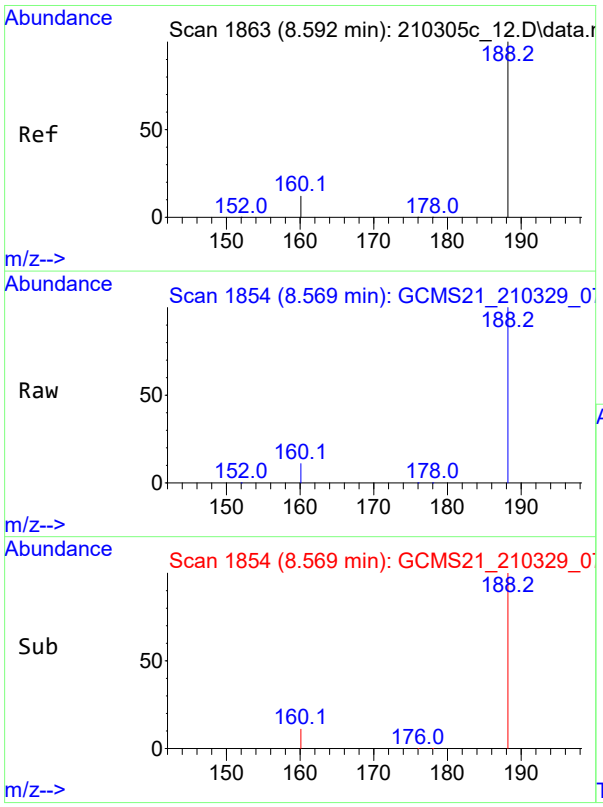


#10
Fluorene
Concen: 0.99 ng/mL
RT: 7.546 min Scan# 1396
Delta R.T. 0.001 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:166 Resp: 605

Ion	Ratio	Lower	Upper
166	100		
165	92.9	68.1	128.1

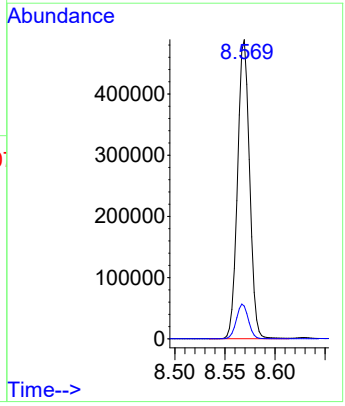


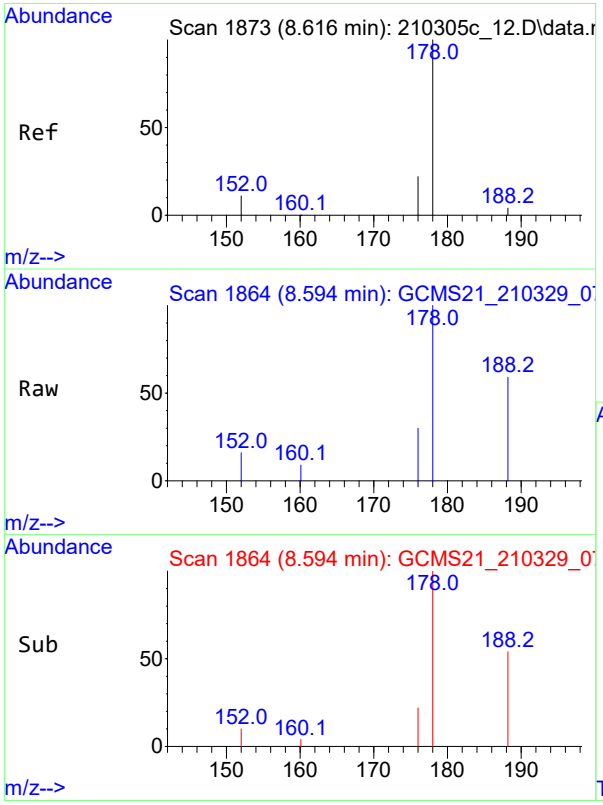


#11
PHENANTHRENE-D10
Concen: 500.00 ng/mL
RT: 8.569 min Scan# 1854
Delta R.T. 0.002 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:188 Resp: 408503

Ion	Ratio	Lower	Upper
188	100		
160	11.6	0.0	41.3

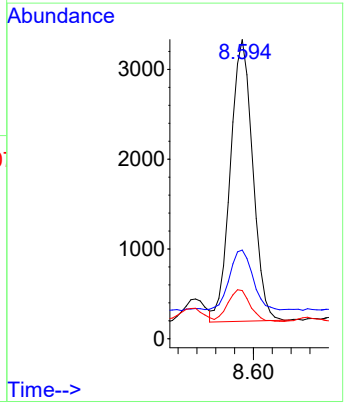


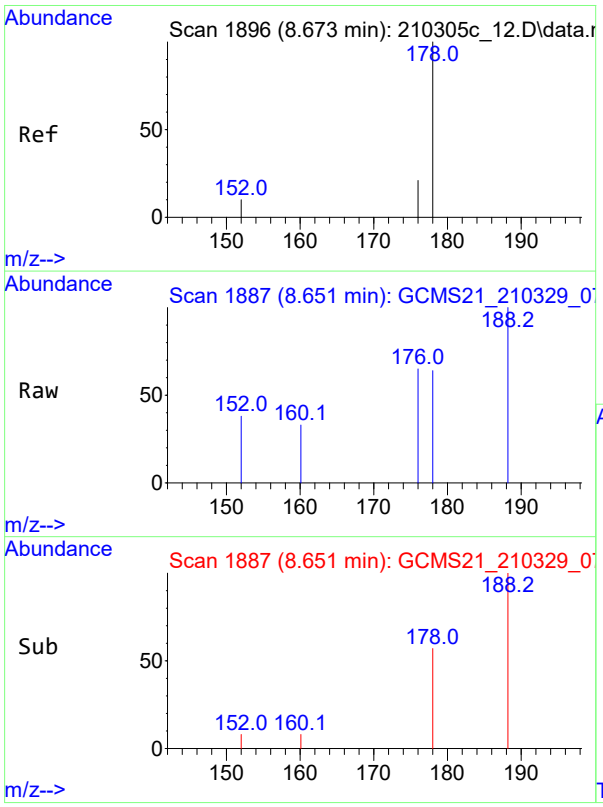


#12
Phenanthrene
Concen: 2.72 ng/mL
RT: 8.594 min Scan# 1864
Delta R.T. 0.002 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:178 Resp: 2581

Ion	Ratio	Lower	Upper
178	100		
176	21.7	0.0	51.6
152	11.1	0.0	41.0

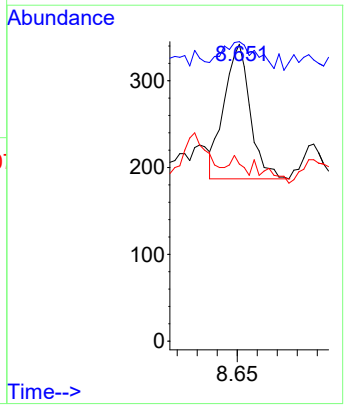


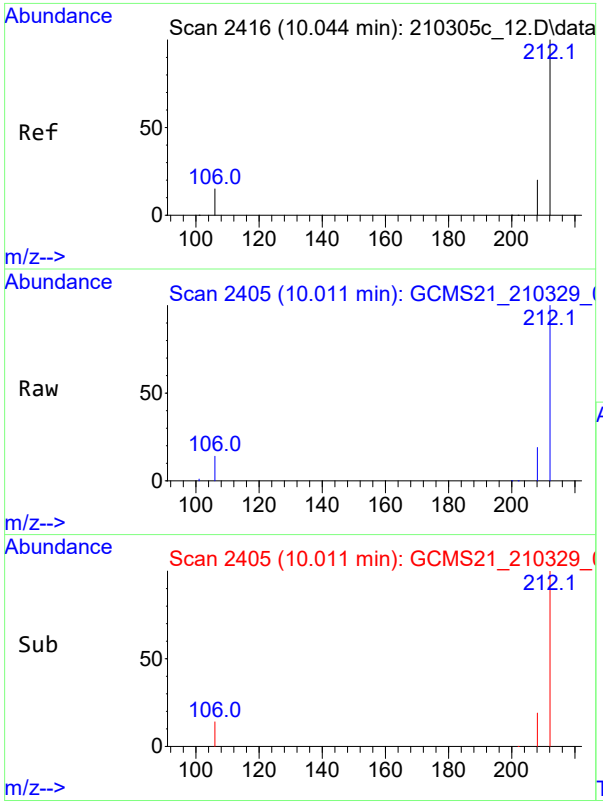


#13
Anthracene
Concen: 0.16 ng/mL
RT: 8.651 min Scan# 1887
Delta R.T. 0.002 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:178 Resp: 140

Ion	Ratio	Lower	Upper
178	100		
176	0.0	0.0	51.0
152	0.0	0.0	39.2

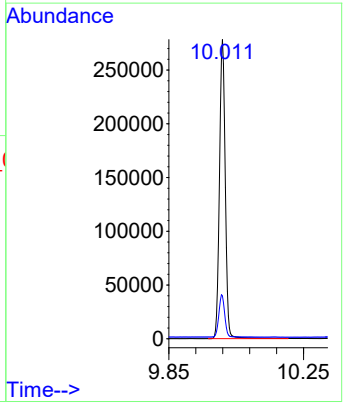


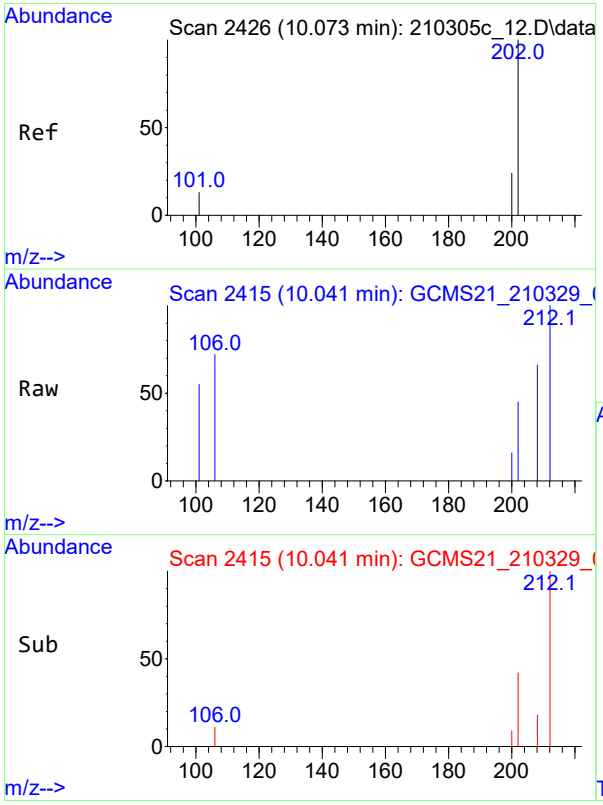


#14
Fluoranthene-D10
Concen: 368.14 ng/mL
RT: 10.011 min Scan# 2405
Delta R.T. -0.005 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:212 Resp: 328295

Ion	Ratio	Lower	Upper
212	100		
106	14.2	10.6	19.6

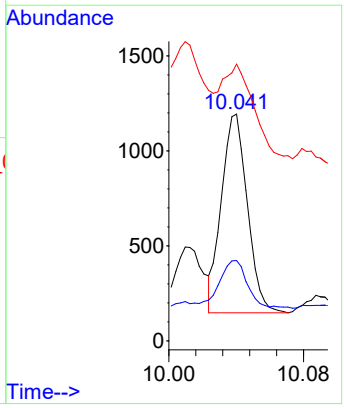


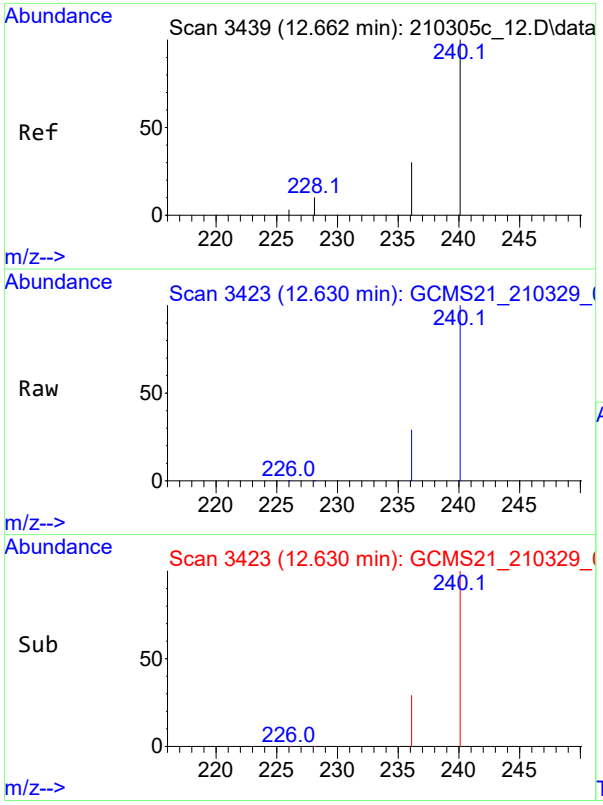


#15
Fluoranthene
Concen: 1.19 ng/mL
RT: 10.041 min Scan# 2415
Delta R.T. 0.003 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:202 Resp: 1176

Ion	Ratio	Lower	Upper
202	100		
200	25.9	0.0	53.7
101	60.0	0.0	42.5#

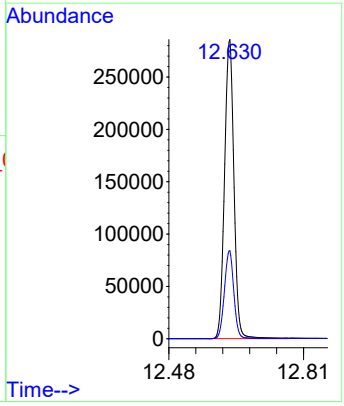


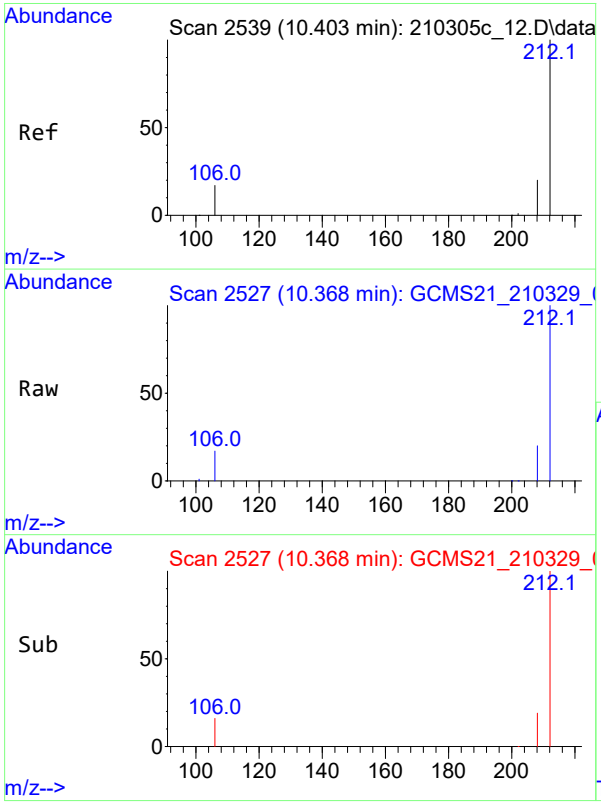


#16
CHRYSENE-D12
Concen: 500.00 ng/mL
RT: 12.630 min Scan# 3423
Delta R.T. 0.004 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:240 Resp: 446396

Ion	Ratio	Lower	Upper
240	100		
236	29.3	0.0	59.4

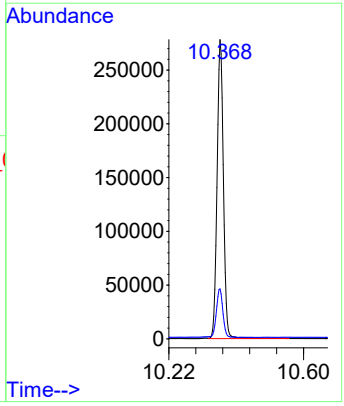


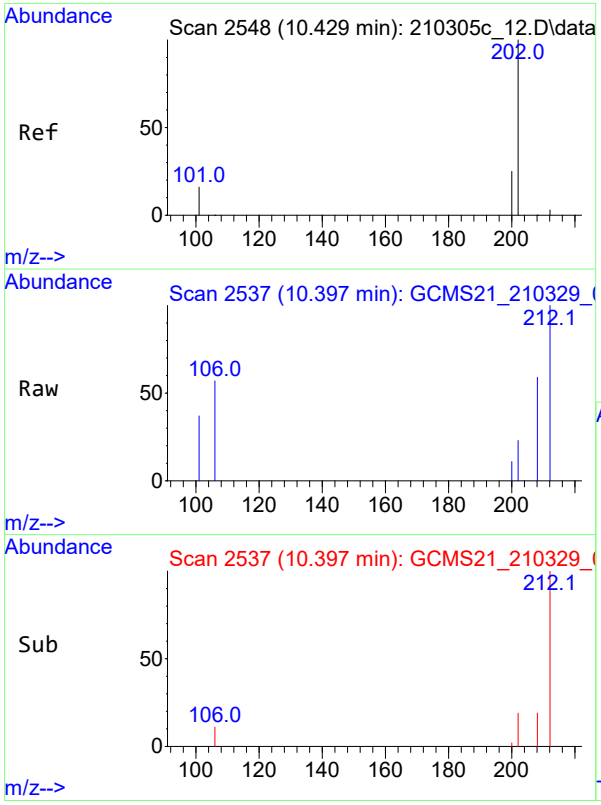


#17
Pyrene-D10
Concen: 318.21 ng/mL
RT: 10.368 min Scan# 2527
Delta R.T. 0.003 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:212 Resp: 340021

Ion	Ratio	Lower	Upper
212	100		
106	16.9	11.8	22.0

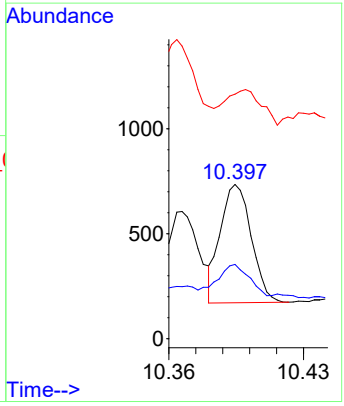


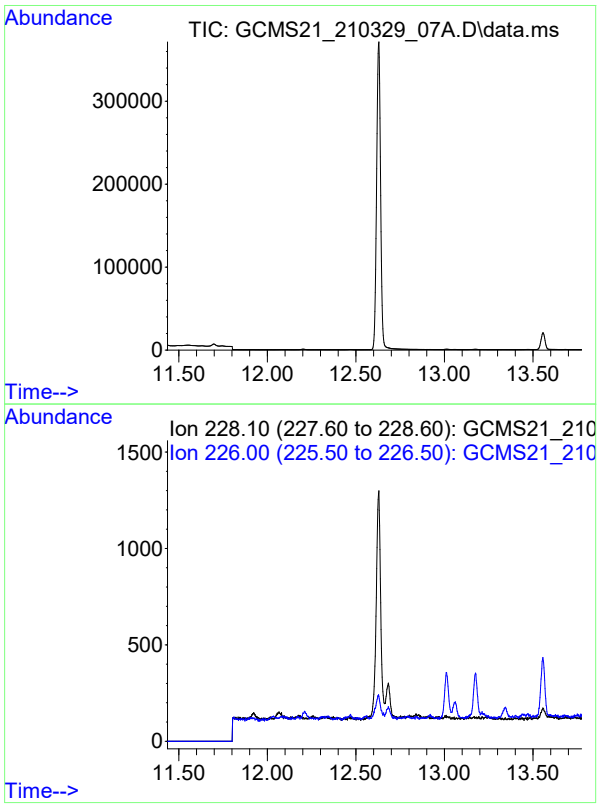


#18
Pyrene
Concen: 0.57 ng/mL
RT: 10.397 min Scan# 2537
Delta R.T. -0.000 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:202 Resp: 667

Ion	Ratio	Lower	Upper
202	100		
200	26.2	0.0	53.8
101	34.8	0.0	44.1



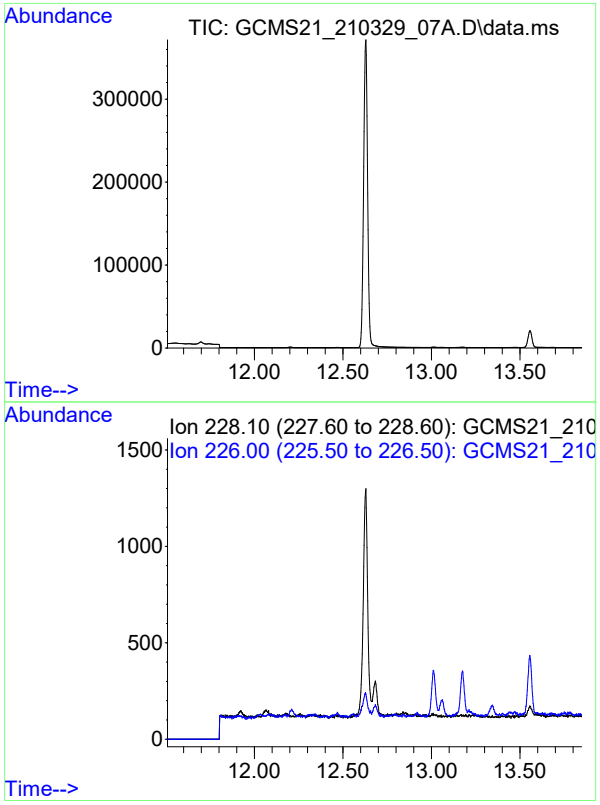


#19
Benzo(a)anthracene
Concen: N.D.
Expected RT: 12.61 min

Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 228

Sig	Exp Ratio
228	100
226	29.9

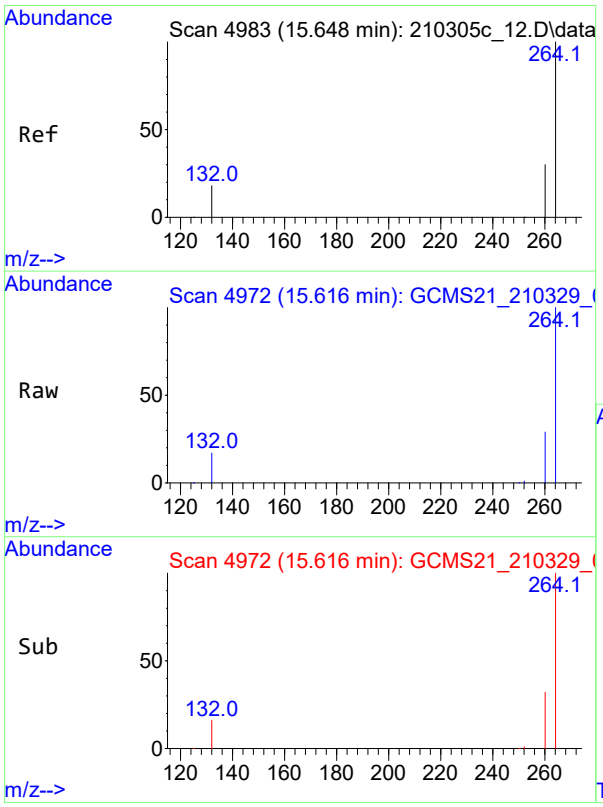


#20
Chrysene
Concen: N.D.
Expected RT: 12.68 min

Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 228

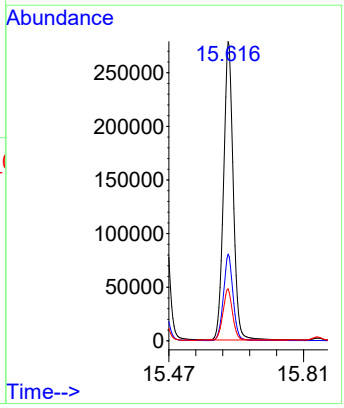
Sig	Exp Ratio
228	100
226	32.5

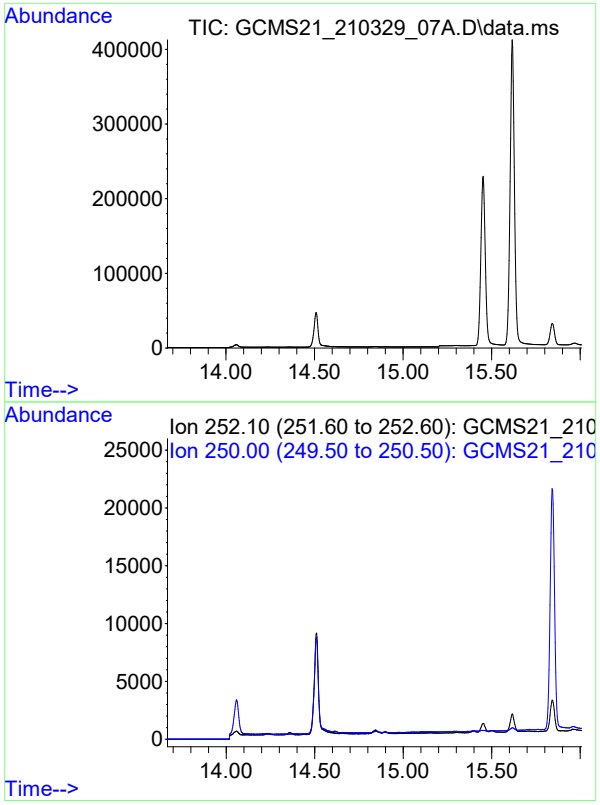


#21
PERYLENE-D12
Concen: 500.00 ng/mL
RT: 15.616 min Scan# 4972
Delta R.T. 0.005 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:264 Resp: 473304

Ion	Ratio	Lower	Upper
264	100		
260	28.9	0.0	58.8
132	17.1	0.0	47.2



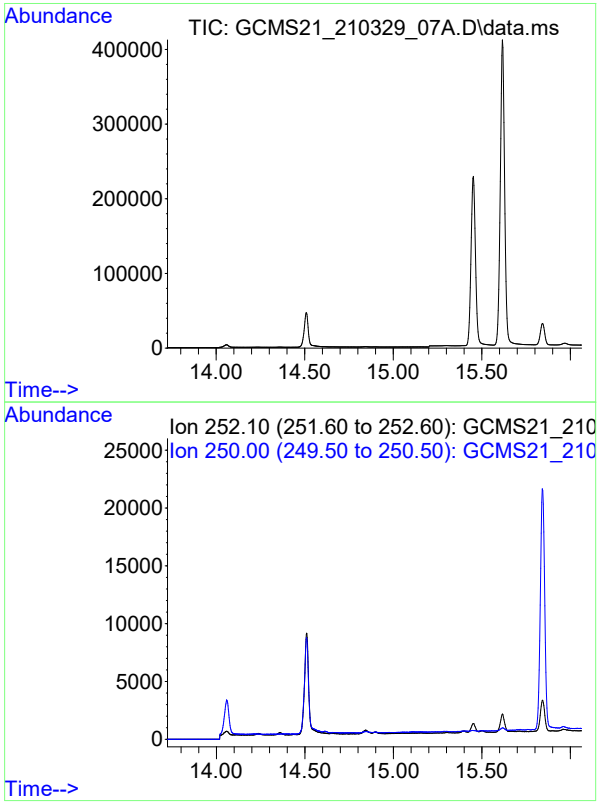


#22
Benzo(b)fluoranthene
Concen: N.D.
Expected RT: 14.84 min

Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	27.2

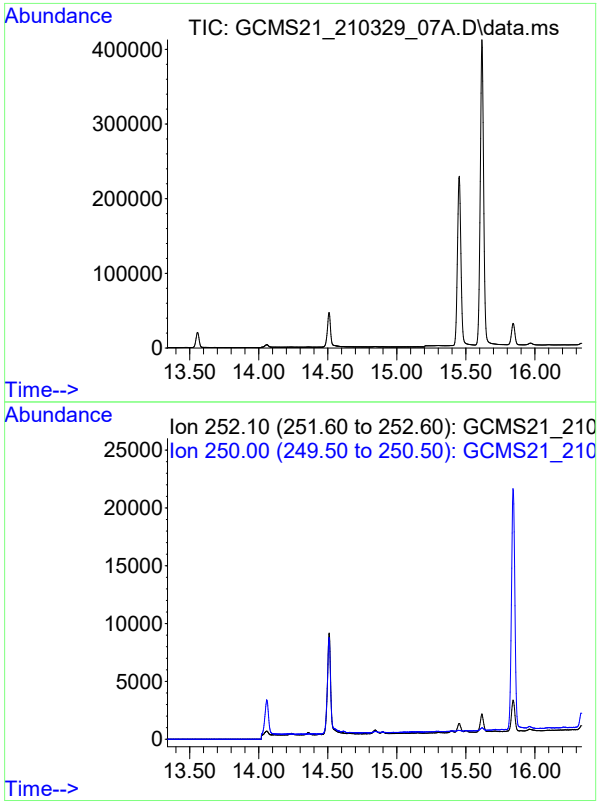


#23
Benzo(k)fluoranthene
Concen: N.D.
Expected RT: 14.89 min

Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	26.2

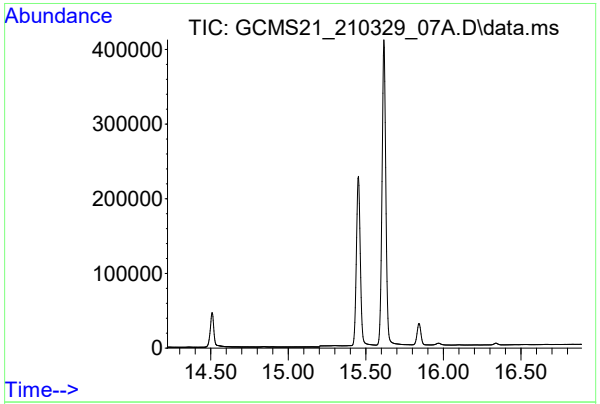


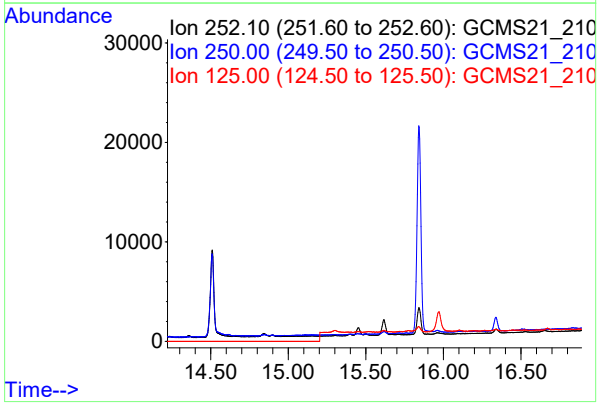
#24
benzo(b+k)fluoranthene (sum)
Concen: N.D.
Expected RT: 14.84 min

Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	27.2



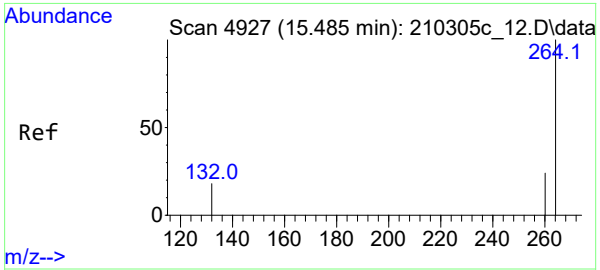


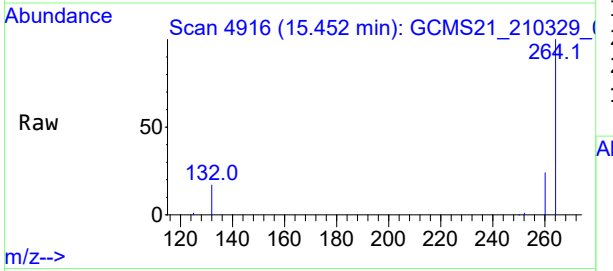
#25
Benzo(e)pyrene
Concen: N.D.
Expected RT: 15.39 min

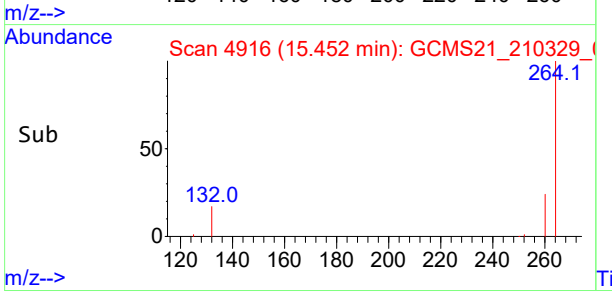
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	33.1
125	15.2



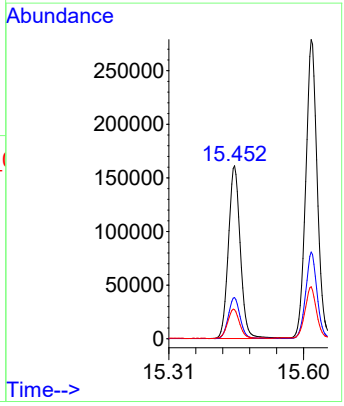


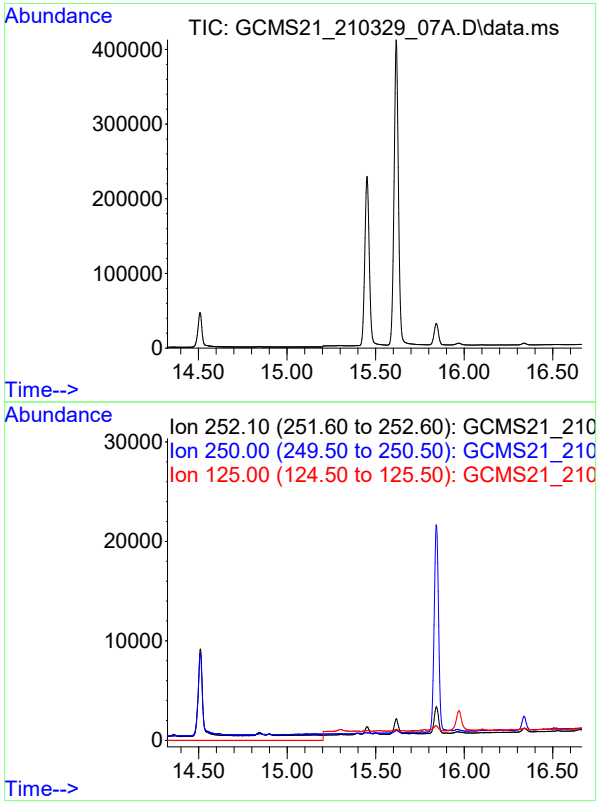


#26
Benzo(a)pyrene-D12
Concen: 349.30 ng/mL
RT: 15.452 min Scan# 4916
Delta R.T. 0.005 min
Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion:264 Resp: 283968

Ion	Ratio	Lower	Upper
264	100		
260	23.9	16.7	31.1
132	16.9	12.2	22.6



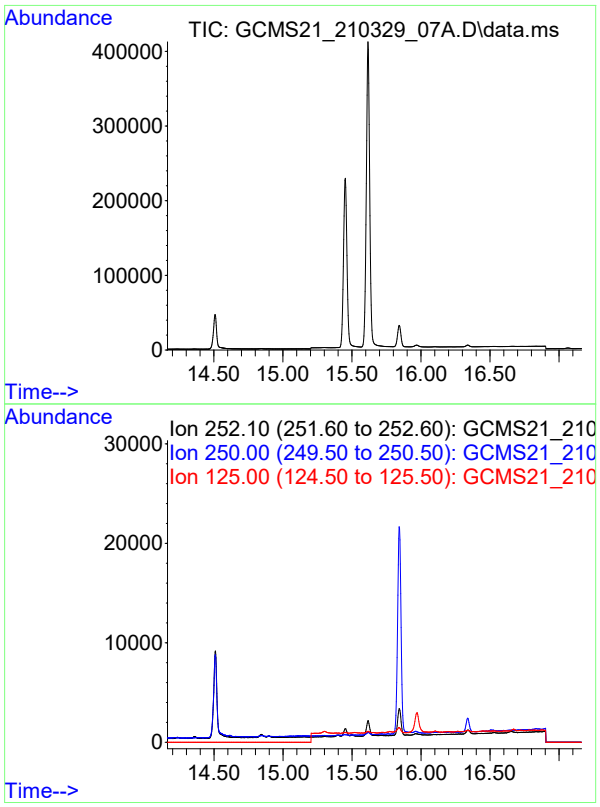


#27
Benzo(a)pyrene
Concen: N.D.
Expected RT: 15.49 min

Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	27.6
125	11.5

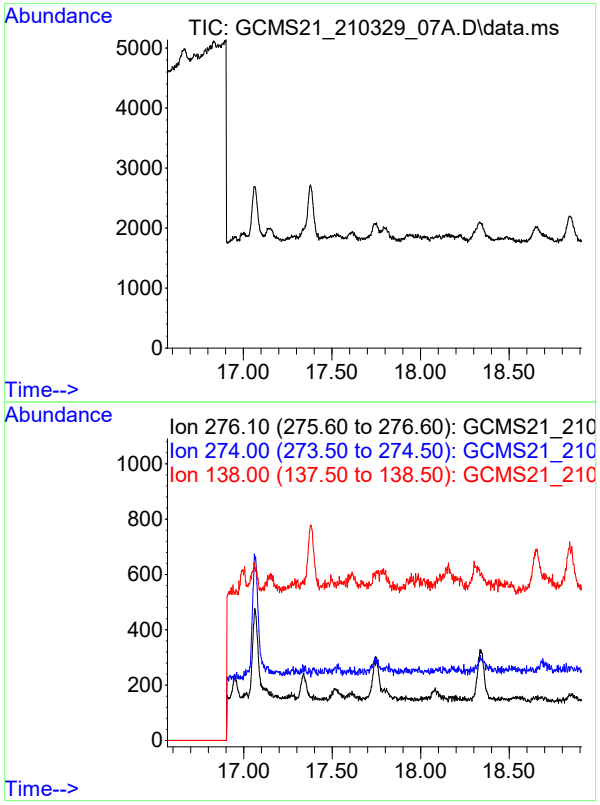


#28
Perylene
Concen: N.D.
Expected RT: 15.66 min

Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 252

Sig	Exp Ratio
252	100
250	32.4
125	16.0

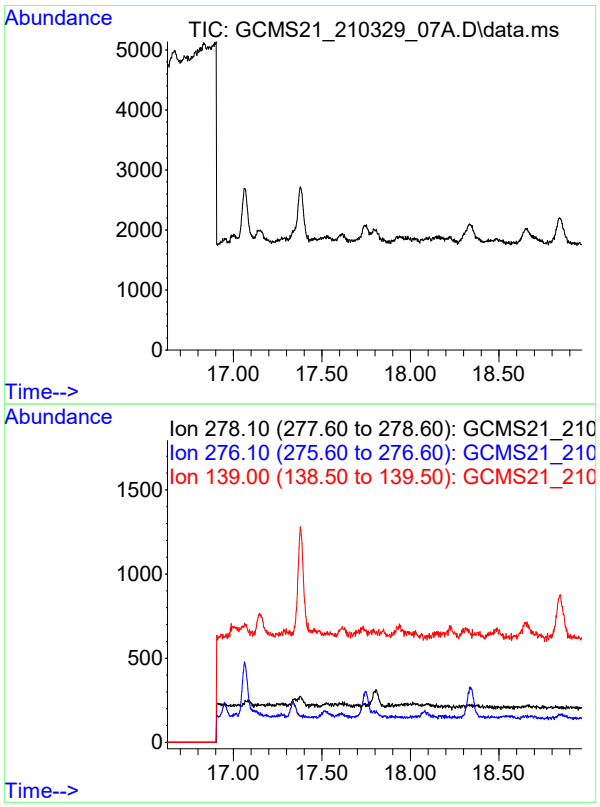


#29
Indeno(1,2,3-cd)pyrene
Concen: N.D.
Expected RT: 17.74 min

Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 276

Sig	Exp Ratio
276	100
274	24.8
138	20.4

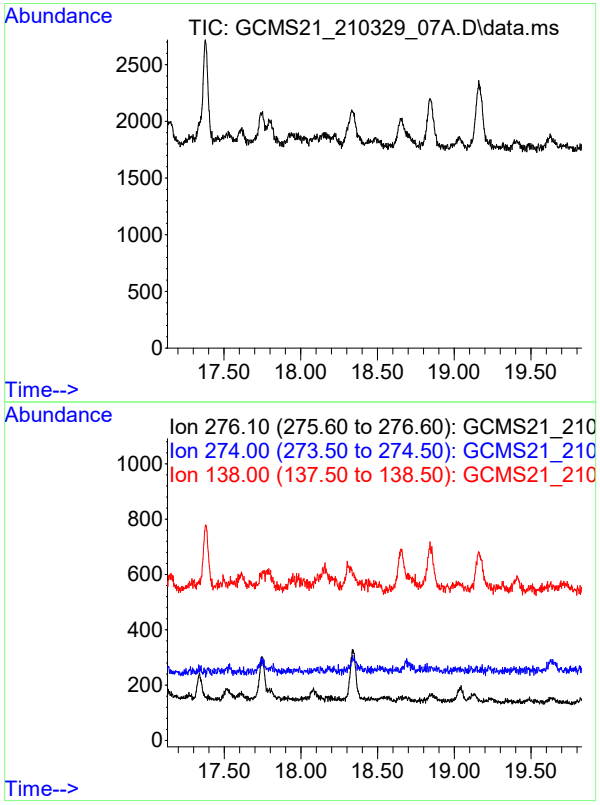


#30
Dibenz(a,h)anthracene
Concen: N.D.
Expected RT: 17.80 min

Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 278

Sig	Exp Ratio
278	100
276	29.7
139	16.8



#31
Benzo(g,h,i)perylene
Concen: N.D.
Expected RT: 18.33 min

Lab File: GCMS21_210329_07A.D
Acq: 29 Mar 2021 17:43

Tgt Ion: 276

Sig	Exp Ratio
276	100
274	25.7
138	22.3