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Automated Report

Technical Report for

Anderson Mulholland and Assoc.

BMSMC, Building 5 Area, Puerto Rico

SM04.00.06

SGS Accutest Job Number: MC45857

Sampling Dates: 05/10/16 - 05/11/16

Report to:

Anderson-Mulholland and Associates Inc.
2700 Westchester Avenue
Purchase, NY 00677
roreilly@amaiconsult.com; ttaylor@amaiconsult.com

ATTN: Terry Taylor

Total number of pages in report: **1207**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

H. (Brad) Madadian
Lab Director

Client Service contact: Robert Soll 508-481-6200

Certifications: MA (M-MA136,SW846 NELAC) CT (PH-0109) NH (250210) RI (00071) ME (MA00136) FL (E87579) NY (11791) NJ (MA926) PA (6801121) ND (R-188) CO MN (11546AA) NC (653) IL (002337) WI (399080220) DoD ELAP (L-A-B L2235)

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Sample Summary

Anderson Mulholland and Assoc.

Job No: MC45857

BMSMC, Building 5 Area, Puerto Rico
Project No: SM04.00.06

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
MC45857-1	05/10/16	16:10	TT	05/12/16	AQ	Ground Water	RA19-GWS
MC45857-1A	05/10/16	16:10	TT	05/12/16	AQ	Ground Water	RA19-GWS
MC45857-4	05/11/16	13:25	NR	05/12/16	AQ	Ground Water	S-39S
MC45857-4A	05/11/16	13:25	NR	05/12/16	AQ	Ground Water	S-39S
MC45857-5	05/11/16	15:00	TT	05/12/16	AQ	Ground Water	RA19-GWD
MC45857-5A	05/11/16	15:00	TT	05/12/16	AQ	Ground Water	RA19-GWD

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Anderson Mulholland and Assoc.	**Job No**	MC45857
Site:	BMSMC, Building 5 Area, Puerto Rico	**Report Date**	5/27/2016 2:56:08 PM

3 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were collected on between 05/10/2016 and 05/11/2016 and were received at SGS Accutest New England on 05/12/2016 properly preserved, at 0.5 Deg. C and intact. These Samples received a job number of MC45857. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GC By Method MADEP VPH REV 1.1

Matrix: AQ **Batch ID:** GBH2302

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC45857-4MS, MC45857-4MSD were used as the QC samples indicated.
- MC45857-4MSD Recovery(s) for C5- C8 Aliphatics (Unadj.) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- MC45857-4MS/MSD Recovery(s) for C9- C12 Aliphatics (Unadj.) are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for C5- C8 Aliphatics (Unadj.) are outside control limits for sample MC45857-4MSD. High RPD due to possible matrix interference and/or sample non-homogeneity.

Extractables by GC By Method MADEP EPH REV 1.1

Matrix: AQ **Batch ID:** OP47474

- All samples were extracted within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.

SGS Accutest New England certifies that all analysis were performed within method specification. It is further recommended that this report to be used in its entirety.The Laboratory Director for SGS Accutest New England or assignee as verified by the signature on the cover page has authorized the release of this report(MC45857).

Summary of Hits

Job Number: MC45857
Account: Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Collected: 05/10/16 thru 05/11/16

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
MC45857-1	**RA19-GWS**					
C9- C12 Aliphatics (Unadj.)		116	50	40	ug/l	MADEP VPH REV 1.1
MC45857-1A	**RA19-GWS**					
No hits reported in this sample.						
MC45857-4	**S-39S**					
C9- C12 Aliphatics (Unadj.)		6780	500	400	ug/l	MADEP VPH REV 1.1
MC45857-4A	**S-39S**					
No hits reported in this sample.						
MC45857-5	**RA19-GWD**					
No hits reported in this sample.						
MC45857-5A	**RA19-GWD**					
No hits reported in this sample.						

Sample Results

Report of Analysis

SGS Accutest

Report of Analysis

Client Sample ID:	RA19-GWS		
Lab Sample ID:	MC45857-1	**Date Sampled:**	05/10/16
Matrix:	AQ - Ground Water	**Date Received:**	05/12/16
Method:	MADEP VPH REV 1.1	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH39169.D	1	05/12/16	DF	n/a	n/a	GBH2302
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Volatile TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C12 Aliphatics (Unadj.)	116	50	40	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	50	40	ug/l	
	C5- C8 Aliphatics	ND	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	89%		70-130%
	2,3,4-Trifluorotoluene	86%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	RA19-GWS		
Lab Sample ID:	MC45857-1A	**Date Sampled:**	05/10/16
Matrix:	AQ - Ground Water	**Date Received:**	05/12/16
Method:	MADEP EPH REV 1.1 SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE14114.D	1	05/18/16	TA	05/13/16	OP47474	GDE792
Run #2							

	Initial Volume	Final Volume
Run #1	880 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	80	ug/l	
	C9-C18 Aliphatics	ND	110	80	ug/l	
	C19-C36 Aliphatics	ND	110	80	ug/l	
	C11-C22 Aromatics	ND	110	80	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	89%		40-140%
321-60-8	2-Fluorobiphenyl	91%		40-140%
3386-33-2	1-Chlorooctadecane	75%		40-140%
580-13-2	2-Bromonaphthalene	96%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	S-39S		
Lab Sample ID:	MC45857-4	**Date Sampled:**	05/11/16
Matrix:	AQ - Ground Water	**Date Received:**	05/12/16
Method:	MADEP VPH REV 1.1	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH39165.D	1	05/12/16	DF	n/a	n/a	GBH2302
Run #2	BH39167A.D	10	05/12/16	DF	n/a	n/a	GBH2302

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

Volatile TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C12 Aliphatics (Unadj.)	6780 [a]	500	400	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	50	40	ug/l	
	C5- C8 Aliphatics	ND	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	92%	84%	70-130%
	2,3,4-Trifluorotoluene	87%	80%	70-130%

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	S-39S		
Lab Sample ID:	MC45857-4A	**Date Sampled:**	05/11/16
Matrix:	AQ - Ground Water	**Date Received:**	05/12/16
Method:	MADEP EPH REV 1.1 SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE14116.D	1	05/18/16	TA	05/13/16	OP47474	GDE792
Run #2							

	Initial Volume	Final Volume
Run #1	950 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	74	ug/l	
	C9-C18 Aliphatics	ND	110	74	ug/l	
	C19-C36 Aliphatics	ND	110	74	ug/l	
	C11-C22 Aromatics	ND	110	74	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	87%		40-140%
321-60-8	2-Fluorobiphenyl	87%		40-140%
3386-33-2	1-Chlorooctadecane	72%		40-140%
580-13-2	2-Bromonaphthalene	90%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	RA19-GWD		
Lab Sample ID:	MC45857-5	**Date Sampled:**	05/11/16
Matrix:	AQ - Ground Water	**Date Received:**	05/12/16
Method:	MADEP VPH REV 1.1	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	BH39168.D	1	05/12/16	DF	n/a	n/a	GBH2302
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Volatile TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	50	40	ug/l	
	C5- C8 Aliphatics	ND	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	2,3,4-Trifluorotoluene	87%		70-130%
	2,3,4-Trifluorotoluene	84%		70-130%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS Accutest

Report of Analysis

Client Sample ID:	RA19-GWD		
Lab Sample ID:	MC45857-5A	**Date Sampled:**	05/11/16
Matrix:	AQ - Ground Water	**Date Received:**	05/12/16
Method:	MADEP EPH REV 1.1 SW846 3510C	**Percent Solids:**	n/a
Project:	BMSMC, Building 5 Area, Puerto Rico		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	DE14117.D	1	05/18/16	TA	05/13/16	OP47474	GDE792
Run #2							

	Initial Volume	Final Volume
Run #1	890 ml	2.0 ml
Run #2		

Extractable TPHC Ranges

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	110	79	ug/l	
	C9-C18 Aliphatics	ND	110	79	ug/l	
	C19-C36 Aliphatics	ND	110	79	ug/l	
	C11-C22 Aromatics	ND	110	79	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	72%		40-140%
321-60-8	2-Fluorobiphenyl	82%		40-140%
3386-33-2	1-Chlorooctadecane	61%		40-140%
580-13-2	2-Bromonaphthalene	85%		40-140%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

SGS ACCUTEST-NE

CHAIN OF CUSTODY

SGS Accutest ~~Dayton~~ New England
~~2235 Route 130, Dayton, NJ 08810~~ 50 D'Angelo Drive
TEL. 732-329-0200 FAX: 732-329-3499/3480 Marlborough, MA
www.accutest.com

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8099605969668

Bottle Order Control # MC45857

SGS Accutest Quote #

SGS Accutest Job# Get from NJ

Client / Reporting Information

Company Name: Anderson Mulholland Assoc Inc
Street Address: 2700 Westchester
City / State / Zip: Purchase NY
Project Contact / E-mail: Terry Taylor
Phone # / Fax #: 914-251-0400
Sampler(s) Name(s) / Phone #: N. Rivera, T. Taylor, D. Lindstrand

Project Information

Project Name: BMS Release Assessment
Street
City / State: Humacao PR
Project #
Client Purchase Order #
Project Manager
Billing Information (if different from Report to)
Company Name
Street Address
City / State / Zip
Attention:

Requested Analysis (see TEST CODE sheet)

VMAVPH
BMAEPHR

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL- Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

SGS Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	VMAVPH	BMAEPHR	LAB USE ONLY
-1	RA19-GWS		05/10/16	1610	TT	GW	5	5								X	X	
-2	RA-19 (5-6)		05/11/16	0950	TT	SO	5					2			3	X	X	
-3	RA-19 (6.2-7.2)		05/11/16	1015	TT	SO	5					2			3	X	X	
-4	S-39S		05/11/16	1325	NR	GW	5	5								X	X	
-5	RA19-GWD		05/11/16	1500	TT	GW	5	5								X	X	
																		11A
																		10F3
																		17B
																		3H2

Turnaround Time (Business days)

- [x] Std. 10 Business Days For soil samples
- [ ] 5 Day RUSH
- [ ] 3 Day RUSH
- [ ] 2 Day RUSH
- [x] 1 Day RUSH For aqueous samples
- [ ] other

Approved By (SGS Accutest PM): / Date:

RUSH

Emergency & Rush T/A data available VIA Lablink

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [x] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other
- [ ] NJ Data of Known Quality Protocol Reporting

Commercial "A" = Results Only, Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

INITIAL ASESSMENT
LABEL VERIFICATION
Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
1	05/11/16 1500	1 Fed EX	2 Fed Ex	5/12/16 9:30	2
3		3	4		4
5		5			

Custody Seal # 371 ☐ Intact ☐ Not intact Preserved where applicable ☐ On Ice ☑ Cooler Temp. 0.5C

MC45857: Chain of Custody
Page 1 of 2

SGS Accutest Sample Receipt Summary

Job Number: MC45857 **Client:** ANDERSON **Project:** BMS

Date / Time Received: 5/12/2016 9:30:00 AM **Delivery Method:** FedEx **Airbill #'s:** 8099 6056 9668 0402

Cooler Temps (Initial/Adjusted): #1: (0.5/0.5);

Cooler Security	Y or N		Y or N
1. Custody Seals Present:	☑ ☐	3. COC Present:	☑ ☐
2. Custody Seals Intact:	☑ ☐	4. Smpl Dates/Time OK	☑ ☐

Cooler Temperature	Y or N
1. Temp criteria achieved:	☑ ☐
2. Thermometer ID:	IRGUN1;
3. Cooler media:	Ice (Bag)
4. No. Coolers:	1

Quality Control Preservation	Y or N	N/A
1. Trip Blank present / cooler:	☐ ☑	☐
2. Trip Blank listed on COC:	☐ ☑	☐
3. Samples preserved properly:	☑ ☐	
4. VOCs headspace free:	☑ ☐	☐

Sample Integrity - Documentation	Y or N
1. Sample labels present on bottles:	☑ ☐
2. Container labeling complete:	☑ ☐
3. Sample container label / COC agree:	☑ ☐

Sample Integrity - Condition	Y or N
1. Sample recvd within HT:	☑ ☐
2. All containers accounted for:	☑ ☐
3. Condition of sample:	Intact

Sample Integrity - Instructions	Y or N	N/A
1. Analysis requested is clear:	☑ ☐	
2. Bottles received for unspecified tests	☐ ☑	
3. Sufficient volume recvd for analysis:	☑ ☐	
4. Compositing instructions clear:	☐ ☐	☑
5. Filtering instructions clear:	☐ ☐	☑

Comments

MC45857: Chain of Custody
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Internal Sample Tracking Chronicle

Anderson Mulholland and Assoc.

Job No: MC45857

BMSMC, Building 5 Area, Puerto Rico
Project No: SM04.00.06

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
MC45857-1	Collected: 10-MAY-16 16:10 By: TT		Received: 12-MAY-16 By: NT			
RA19-GWS						
MC45857-1	MADEP VPH REV 1.1	12-MAY-16 17:19	DF			VMAVPHR
MC45857-4	Collected: 11-MAY-16 13:25 By: NR		Received: 12-MAY-16 By: NT			
S-39S						
MC45857-4	MADEP VPH REV 1.1	12-MAY-16 14:25	DF			VMAVPHR
MC45857-4	MADEP VPH REV 1.1	12-MAY-16 16:09	DF			VMAVPHR
MC45857-5	Collected: 11-MAY-16 15:00 By: TT		Received: 12-MAY-16 By: NT			
RA19-GWD						
MC45857-5	MADEP VPH REV 1.1	12-MAY-16 16:44	DF			VMAVPHR
MC45857-1A	Collected: 10-MAY-16 16:10 By: TT		Received: 12-MAY-16 By: NT			
RA19-GWS						
MC45857-1A	MADEP EPH REV 1.1	18-MAY-16 13:53	TA	13-MAY-16	PA	BMAEPHR
MC45857-4A	Collected: 11-MAY-16 13:25 By: NR		Received: 12-MAY-16 By: NT			
S-39S						
MC45857-4A	MADEP EPH REV 1.1	18-MAY-16 14:49	TA	13-MAY-16	PA	BMAEPHR
MC45857-5A	Collected: 11-MAY-16 15:00 By: TT		Received: 12-MAY-16 By: NT			
RA19-GWD						
MC45857-5A	MADEP EPH REV 1.1	18-MAY-16 15:17	TA	13-MAY-16	PA	BMAEPHR

SGS Accutest Internal Chain of Custody

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Received: 05/12/16

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
MC45857-1.1	VOC Ref #3	Daniel Freedman	05/12/16 12:13	Retrieve from Storage
MC45857-1.1	Daniel Freedman	GCBH	05/12/16 12:13	Load on Instrument
MC45857-1.1	GCBH	Daniel Freedman	05/12/16 12:16	Unload from Instrument
MC45857-1.1	Daniel Freedman		05/12/16 12:17	Broken
MC45857-1.2	VOC Ref #3	Daniel Freedman	05/12/16 12:13	Retrieve from Storage
MC45857-1.2	Daniel Freedman	GCBH	05/12/16 12:13	Load on Instrument
MC45857-1.2	GCBH	Daniel Freedman	05/13/16 08:20	Unload from Instrument
MC45857-1.2	Daniel Freedman	VOC Ref #3	05/13/16 08:20	Return to Storage
MC45857-1.4	Walk In Ref #22	James Marsden	05/13/16 13:55	Retrieve from Storage
MC45857-1.4	James Marsden		05/17/16 09:42	Depleted
MC45857-4.1	VOC Ref #3	Daniel Freedman	05/12/16 12:13	Retrieve from Storage
MC45857-4.1	Daniel Freedman	GCBH	05/12/16 12:13	Load on Instrument
MC45857-4.1	GCBH	Daniel Freedman	05/13/16 08:20	Unload from Instrument
MC45857-4.1	Daniel Freedman	VOC Ref #3	05/13/16 08:20	Return to Storage
MC45857-4.2	VOC Ref #3	Daniel Freedman	05/12/16 12:18	Retrieve from Storage
MC45857-4.2	Daniel Freedman	GCBH	05/12/16 12:18	Load on Instrument
MC45857-4.2	GCBH	Daniel Freedman	05/13/16 08:20	Unload from Instrument
MC45857-4.2	Daniel Freedman	VOC Ref #3	05/13/16 08:20	Return to Storage
MC45857-4.3	VOC Ref #3	Daniel Freedman	05/12/16 15:20	Retrieve from Storage
MC45857-4.3	Daniel Freedman	GCBH	05/12/16 15:20	Load on Instrument
MC45857-4.3	GCBH	Daniel Freedman	05/12/16 15:29	Unload from Instrument
MC45857-4.3	Daniel Freedman	VOC Ref #3	05/12/16 15:29	Return to Storage
MC45857-4.5	Walk In Ref #22	James Marsden	05/13/16 13:55	Retrieve from Storage
MC45857-4.5	James Marsden		05/17/16 09:42	Depleted
MC45857-5.1	VOC Ref #3	Daniel Freedman	05/12/16 12:13	Retrieve from Storage
MC45857-5.1	Daniel Freedman	GCBH	05/12/16 12:13	Load on Instrument
MC45857-5.1	GCBH	Daniel Freedman	05/13/16 08:20	Unload from Instrument
MC45857-5.1	Daniel Freedman	VOC Ref #3	05/13/16 08:20	Return to Storage
MC45857-5.5	Walk In Ref #22	James Marsden	05/13/16 13:55	Retrieve from Storage
MC45857-5.5	James Marsden		05/17/16 09:42	Depleted

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH2302-MB	BH39162.D	1	05/12/16	DF	n/a	n/a	GBH2302

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

MC45857-1, MC45857-4, MC45857-5

CAS No.	Compound	Result	RL	MDL	Units	Q
	C5- C8 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C12 Aliphatics (Unadj.)	ND	50	40	ug/l	
	C9- C10 Aromatics (Unadj.)	ND	50	40	ug/l	
	C5- C8 Aliphatics	ND	50	40	ug/l	
	C9- C12 Aliphatics	ND	50	40	ug/l	

CAS No.	Surrogate Recoveries		Limits
	2,3,4-Trifluorotoluene	83%	70-130%
	2,3,4-Trifluorotoluene	79%	70-130%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GBH2302-BSP	BH39163.D	1	05/12/16	DF	n/a	n/a	GBH2302
GBH2302-BSD	BH39164.D	1	05/12/16	DF	n/a	n/a	GBH2302

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

MC45857-1, MC45857-4, MC45857-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	C5- C8 Aliphatics (Unadj.)	150	118	79	118	79	0	70-130/25
	C9- C12 Aliphatics (Unadj.)	150	116	77	116	77	0	70-130/25
	C9- C10 Aromatics (Unadj.)	50	43.7	87	43.7	87	0	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
	2,3,4-Trifluorotoluene	89%	89%	70-130%
	2,3,4-Trifluorotoluene	84%	84%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
MC45857-4MS	BH39166.D	1	05/12/16	DF	n/a	n/a	GBH2302
MC45857-4MSD	BH39167.D	1	05/12/16	DF	n/a	n/a	GBH2302
MC45857-4	BH39165.D	1	05/12/16	DF	n/a	n/a	GBH2302
MC45857-4	BH39167A.D	10	05/12/16	DF	n/a	n/a	GBH2302

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

MC45857-1, MC45857-4, MC45857-5

CAS No.	Compound	MC45857-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
	C5- C8 Aliphatics (Unadj.)	ND		350	285	82	350	119	34* [a]	82* [b]	70-130/25
	C9- C12 Aliphatics (Unadj.)	6780 [c]		400	8570	447* [a]	400	8080	325* [a]	6	70-130/25
	C9- C10 Aromatics (Unadj.)	ND		150	136	91	150	136	91	0	70-130/25

CAS No.	Surrogate Recoveries	MS	MSD	MC45857-4	MC45857-4	Limits
	2,3,4-Trifluorotoluene	99%	98%	92%	84%	70-130%
	2,3,4-Trifluorotoluene	94%	94%	87%	80%	70-130%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) High RPD due to possible matrix interference and/or sample non-homogeneity.
(c) Result is from Run #2.

* = Outside of Control Limits.

Volatile Surrogate Recovery Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Method: MADEP VPH REV 1.1 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S1 [b]
MC45857-1	BH39169.D	89	86
MC45857-4	BH39167A.D	84	80
MC45857-4	BH39165.D	92	87
MC45857-5	BH39168.D	87	84
GBH2302-BSD	BH39164.D	89	84
GBH2302-BSP	BH39163.D	89	84
GBH2302-MB	BH39162.D	83	79
MC45857-4MS	BH39166.D	99	94
MC45857-4MSD	BH39167.D	98	94

Surrogate Compounds	Recovery Limits
S1 = 2,3,4-Trifluorotoluene	70-130%

(a) Recovery from GC signal #2
(b) Recovery from GC signal #1

GC Surrogate Retention Time Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Check Std:	GBH2302-CC2295	**Injection Date:**	05/12/16
Lab File ID:	BH39161.D	**Injection Time:**	12:05
Instrument ID:	GCBH	**Method:**	MADEP VPH REV 1.1

	S1 [a] RT	S1 [b] RT
Check Std	19.78	19.78

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S1 [b] RT
GBH2302-MB	BH39162.D	05/12/16	12:40	19.78	19.78
GBH2302-BSP	BH39163.D	05/12/16	13:15	19.78	19.78
GBH2302-BSD	BH39164.D	05/12/16	13:50	19.78	19.78
MC45857-4	BH39165.D	05/12/16	14:25	19.78	19.78
MC45857-4MS	BH39166.D	05/12/16	14:59	19.78	19.78
MC45857-4MSD	BH39167.D	05/12/16	15:34	19.78	19.78
MC45857-4	BH39167A.D	05/12/16	16:09	19.78	19.78
MC45857-5	BH39168.D	05/12/16	16:44	19.78	19.78
MC45857-1	BH39169.D	05/12/16	17:19	19.79	19.78
ZZZZZZ	BH39170.D	05/12/16	17:54	19.78	19.79
ZZZZZZ	BH39171.D	05/12/16	18:28	19.78	19.78
ZZZZZZ	BH39172.D	05/12/16	19:03	19.78	19.79
ZZZZZZ	BH39173.D	05/12/16	19:38	19.78	19.78
ZZZZZZ	BH39174.D	05/12/16	20:13	19.78	19.78
ZZZZZZ	BH39175.D	05/12/16	20:48	19.79	19.78
ZZZZZZ	BH39176.D	05/12/16	21:23	19.79	19.79
ZZZZZZ	BH39177.D	05/12/16	21:58	19.78	19.79
ZZZZZZ	BH39178.D	05/12/16	22:34	19.78	19.79

Surrogate Compounds

S1 = 2,3,4-Trifluorotoluene

(a) Retention time from GC signal #2
(b) Retention time from GC signal #1

Initial Calibration Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Sample: GBH2295-ICC2295
Lab FileID: BH39063.D

Response Factor Report GCBH

Method : C:\msdchem\1\METHODS\bh160420vph.m (ChemStation Integrator)
Title : vph
Last Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration

Calibration Files
7 =BH39059.d 6 =BH39060.d 5 =BH39062.d 4 =BH39063.d
3 =BH39064.d 2 =BH39065.d 1 =BH39067.d 8 =BH39061.d
9 =BH39066.d =

Compound	7	6	5	4	3	2	1	8	9	Avg	%RSD
1) rt5.5-7											
	1.033			1.033						1.033 E6	0.00
2) rt7/10											
	1.033			1.033						1.033 E6	0.00
3) rt10/13											
	1.033			1.033						1.033 E6	0.00
4) fluorobenzene											
	0.946	0.923	0.908	0.893	0.982	0.966	0.925	0.895	1.013	0.939 E6	4.37
5) rt13/16											
										0.000	-1.00
6) 2,3,4-trifluorotoluene											
	8.218	7.863	7.584	7.393	8.236	8.142	9.342	7.533	8.847	8.129 E5	7.87
7) rt16/20											
										0.000	-1.00
8) rt20/25											
	1.203			1.203						1.203 E6	0.00
9) rt25/29											
										0.000	-1.00
10) decane											
	1.203			1.203						1.203 E6	0.00
11) butylcyclohexane											
	1.203			1.203						1.203 E6	0.00
12) 2,5-dibromotoluene											
										0.000	-1.00
Signal #2											
14) mtbe #2											
	2.568	2.752	2.864	2.796	3.034	2.781	2.797	2.764	2.951	2.812 E5	4.67
15) benzene #2											
	6.275	6.367	6.372	6.224	6.815	6.598	7.287	6.257	6.995	6.577 E5	5.74
16) fluorobenzene #2											
	3.995	4.033	3.993	3.916	4.241	4.165	4.052	3.946	4.236	4.064 E5	2.99
17) toluene #2											
	6.047	6.041	5.963	5.827	6.393	6.212	6.737	5.896	6.386	6.167 E5	4.75
18) 2,3,4-trifluorotoluene #2											
	2.520	2.482	2.408	2.344	2.535	2.580	2.923	2.396	2.670	2.540 E5	6.90
19) ethylbenzene #2											
	5.521	5.493	5.384	5.167	5.628	5.396	5.712	5.315	5.628	5.472 E5	3.17
20) m,p-xylene #2											
	6.510	6.558	6.461	6.340	6.946	6.728	7.073	6.361	7.057	6.670 E5	4.36
21) o-xylene #2											
	5.737	5.730	5.575	5.439	6.067	5.964	6.260	5.555	6.066	5.821 E5	4.81
22) 1,3,5-trimethylbenzene #2											
	7.906	7.985	8.050	7.961	8.568	8.431	9.332	7.917	9.058	8.356 E5	6.39

Initial Calibration Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GBH2295-ICC2295
Lab FileID: BH39063.D

```
23)  1,2,4-trimethylbenzene #2
           6.025 6.069 6.131 6.021 6.615 6.483 7.473 6.052 7.100   6.441 E5    8.27
24)  naphthalene #2
           4.522 4.625 5.424 5.340 6.063 5.646 6.509 4.927 6.148   5.467 E5   12.69
25)  c9-c10 arom as 1,2,4-tmb
           6.029 6.047 6.141 6.051 6.573 6.505 7.480 6.036 7.101   6.440 E5    8.27
26)  2,5-dibromotoluene #2
                                                                   0.000   -1.00
-----------------------------------------------------------------------------
(#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          bh160420vph.m        Thu Apr 21 15:08:12 2016
```

Initial Calibration Verification

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Sample: GBH2295-ICV2295
Lab FileID: BH39068.D

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   2:17 pm
Operator  : danielf
Sample    : icv2295-50
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 10   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 15:04:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title  : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	h	rt5.5-7	1.033	0.876 E6	15.2	85	0.00
2	h	rt7/10	1.033	0.958 E6	7.3	93	0.00
3	h	rt10/13	1.033	1.111 E6	-7.6	108	0.00
4	s	fluorobenzene	938.974	892.300 E3	5.0	100	0.00
6	s	2,3,4-trifluorotoluene	812.881	737.869 E3	9.2	100	0.00
8	h	rt20/25	1.203	1.017 E6	15.5	85	0.00
10	h	decane	1.203	1.009 E6	16.1	84	0.00
11	h	butylcyclohexane	1.203	1.126 E6	6.4	94	0.00
Signal #2							
14	t	mtbe #2	281.200	267.343 E3	4.9	96	0.00
15	t	benzene #2	657.678	608.488 E3	7.5	98	0.00
16	s	fluorobenzene #2	406.417	381.887 E3	6.0	98	0.00
17	t	toluene #2	616.689	567.467 E3	8.0	97	0.00
18	s	2,3,4-trifluorotoluene #2	253.979	227.889 E3	10.3	97	0.00
19	t	ethylbenzene #2	547.161	509.400 E3	6.9	99	0.00
20	t	m,p-xylene #2	667.038	616.484 E3	7.6	97	0.00
21	t	o-xylene #2	582.146	526.500 E3	9.6	97	0.00
22	t	1,3,5-trimethylbenzene #2	835.645	777.111 E3	7.0	98	0.00
23	t	1,2,4-trimethylbenzene #2	644.122	590.446 E3	8.3	98	0.00
24	t	naphthalene #2	546.699	521.009 E3	4.7	98	0.00
25	h	c9-c10 arom as 1,2,4-tmb	644.035	590.608 E3	8.3	98	0.00

Evaluate Continuing Calibration Report - Not Founds

5		rt13/16	0.000	0.000	0.0	0#	0.00
7		rt16/20	0.000	0.000	0.0	0#	0.00
9		rt25/29	0.000	0.000	0.0	0#	0.00
12		2,5-dibromotoluene	0.000	0.000	0.0	0#	0.00

Initial Calibration Verification

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GBH2295-ICV2295
Lab FileID: BH39068.D

```
  Signal #2

 26     2,5-dibromotoluene #2         0.000   0.000       0.0     0#  0.00
 ---------------------------------------------------------------------------

    (#) = Out of Range               SPCC's out = 0  CCC's out = 0

bh160420vph.m Thu Apr 21 15:08:02 2016
```

Continuing Calibration Summary

Job Number: MC45857 **Sample:** GBH2302-CC2295
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** BH39161.D
Project: BMSMC, Building 5 Area, Puerto Rico

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016  12:05 pm
Operator  : danielf
Sample    : cc2295-50
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:39:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	h	rt5.5-7	1.033	0.694 E6	32.8#	67#	0.00
2	h	rt7/10	1.033	0.832 E6	19.5	81	0.00
3	h	rt10/13	1.033	1.016 E6	1.6	98	0.00
4	s	fluorobenzene	938.974	858.141 E3	8.6	96	0.00
6	s	2,3,4-trifluorotoluene	812.881	710.091 E3	12.6	96	0.00
8	h	rt20/25	1.203	0.921 E6	23.4	77	0.00
10	h	decane	1.203	0.929 E6	22.8	77	0.00
11	h	butylcyclohexane	1.203	1.035 E6	14.0	86	0.00
Signal #2							
14	t	mtbe #2	281.200	275.415 E3	2.1	98	0.00
15	t	benzene #2	657.678	593.074 E3	9.8	95	0.00
16	s	fluorobenzene #2	406.417	391.397 E3	3.7	100	0.00
17	t	toluene #2	616.689	559.508 E3	9.3	96	0.00
18	s	2,3,4-trifluorotoluene #2	253.979	232.514 E3	8.5	99	0.00
19	t	ethylbenzene #2	547.161	494.478 E3	9.6	96	0.00
20	t	m,p-xylene #2	667.038	608.516 E3	8.8	96	0.00
21	t	o-xylene #2	582.146	520.110 E3	10.7	96	0.00
22	t	1,3,5-trimethylbenzene #2	835.645	758.722 E3	9.2	95	0.00
23	t	1,2,4-trimethylbenzene #2	644.122	581.932 E3	9.7	97	0.00
24	t	naphthalene #2	546.699	540.903 E3	1.1	101	0.00
25	h	c9-c10 arom as 1,2,4-tmb	644.035	583.332 E3	9.4	96	0.00

Evaluate Continuing Calibration Report - Not Founds

5		rt13/16	0.000	0.000	0.0	0#	0.00
7		rt16/20	0.000	0.000	0.0	0#	0.00
9		rt25/29	0.000	0.000	0.0	0#	0.00
12		2,5-dibromotoluene	0.000	0.000	0.0	0#	0.00

Continuing Calibration Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GBH2302-CC2295
Lab FileID: BH39161.D

```
  Signal #2

 26     2,5-dibromotoluene #2         0.000   0.000       0.0     0#  0.00
 ---------------------------------------------------------------------------

    (#) = Out of Range               SPCC's out = 0  CCC's out = 0

bh160512vph.m Thu May 12 15:13:09 2016
```

Continuing Calibration Summary

Job Number: MC45857 **Sample:** GBH2302-CC2295
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** BH39179.D
Project: BMSMC, Building 5 Area, Puerto Rico

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016  11:09 pm
Operator  : danielf
Sample    : cc2295-50
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 22   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:48:31 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
1	h	rt5.5-7	1.033	0.656 E6	36.5#	64#	0.00
2	h	rt7/10	1.033	0.789 E6	23.6	76	0.00
3	h	rt10/13	1.033	0.964 E6	6.7	93	0.00
4	s	fluorobenzene	938.974	821.931 E3	12.5	92	0.00
6	s	2,3,4-trifluorotoluene	812.881	679.009 E3	16.5	92	0.00
8	h	rt20/25	1.203	0.882 E6	26.7#	73#	0.00
10	h	decane	1.203	0.886 E6	26.4#	74#	0.00
11	h	butylcyclohexane	1.203	0.985 E6	18.1	82	0.00
Signal #2							
14	t	mtbe #2	281.200	262.604 E3	6.6	94	0.00
15	t	benzene #2	657.678	565.101 E3	14.1	91	0.00
16	s	fluorobenzene #2	406.417	369.815 E3	9.0	94	0.00
17	t	toluene #2	616.689	530.444 E3	14.0	91	0.00
18	s	2,3,4-trifluorotoluene #2	253.979	219.074 E3	13.7	93	0.00
19	t	ethylbenzene #2	547.161	470.248 E3	14.1	91	0.00
20	t	m,p-xylene #2	667.038	578.972 E3	13.2	91	0.00
21	t	o-xylene #2	582.146	490.114 E3	15.8	90	0.00
22	t	1,3,5-trimethylbenzene #2	835.645	716.988 E3	14.2	90	0.00
23	t	1,2,4-trimethylbenzene #2	644.122	551.969 E3	14.3	92	0.00
24	t	naphthalene #2	546.699	523.806 E3	4.2	98	0.00
25	h	c9-c10 arom as 1,2,4-tmb	644.035	552.524 E3	14.2	91	0.00

Evaluate Continuing Calibration Report - Not Founds

5		rt13/16	0.000	0.000	0.0	0#	0.00
7		rt16/20	0.000	0.000	0.0	0#	0.00
9		rt25/29	0.000	0.000	0.0	0#	0.00
12		2,5-dibromotoluene	0.000	0.000	0.0	0#	0.00

Continuing Calibration Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GBH2302-CC2295
Lab FileID: BH39179.D

```
  Signal #2

 26     2,5-dibromotoluene #2         0.000   0.000       0.0     0#  0.00
 ---------------------------------------------------------------------------

    (#) = Out of Range               SPCC's out = 0  CCC's out = 0

bh160512vph.m Fri May 13 14:55:39 2016
```

GC Volatiles

Raw Data

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 14:35:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.671	41498564	44.196	ppb	
Spiked Amount 50.000		Recovery = 88.39%			
6) s 2,3,4-trifluorotoluene	19.784	34780735	42.787	ppb	m
Spiked Amount 50.000		Recovery = 85.57%			
16) s fluorobenzene #2	14.671	18694570	45.999	ppb	
Spiked Amount 50.000		Recovery = 92.00%			
18) s 2,3,4-trifluorotoluen...	19.785	11273790	44.389	ppb	
Spiked Amount 50.000		Recovery = 88.78%			
Target Compounds					
1) h rt5.5-7	5.980	4220553	4.087	ppb	
2) h rt7/10	8.250	2514735	2.435	ppb	
3) h rt10/13	13.360	11947069	11.568	ppb	
8) h rt20/25	21.460	139477913	115.964	ppb	
19) t ethylbenzene #2	21.797	22849032	41.759	ppb	m
20) t m,p-xylene #2	21.940	23833981	35.731	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	15875640	24.650	ppb	

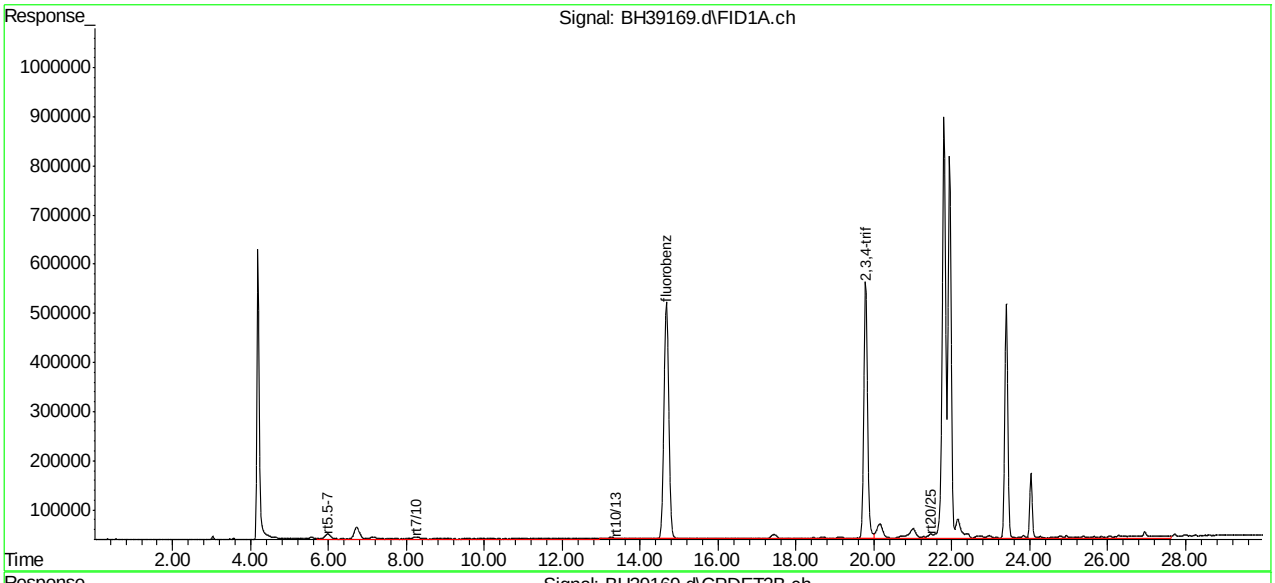
(f)=RT Delta > 1/2 Window (m)=manual int.

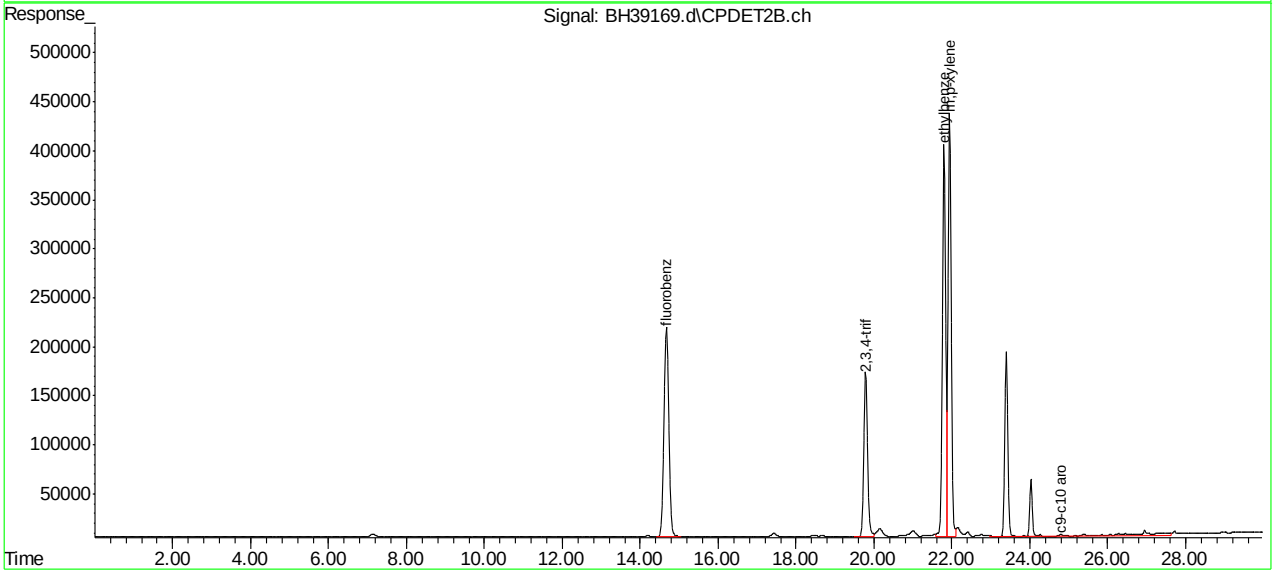
Quantitation Report (QT Reviewed)

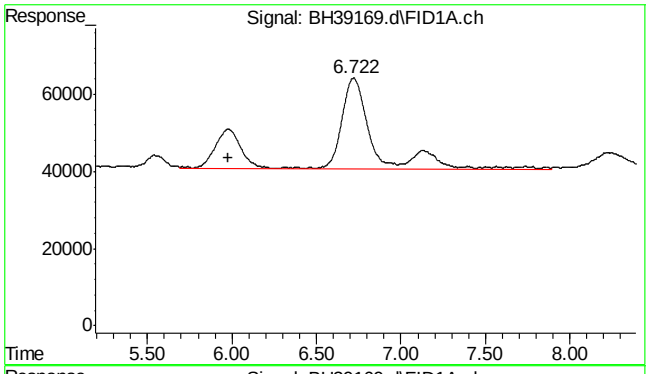
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 14:35:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

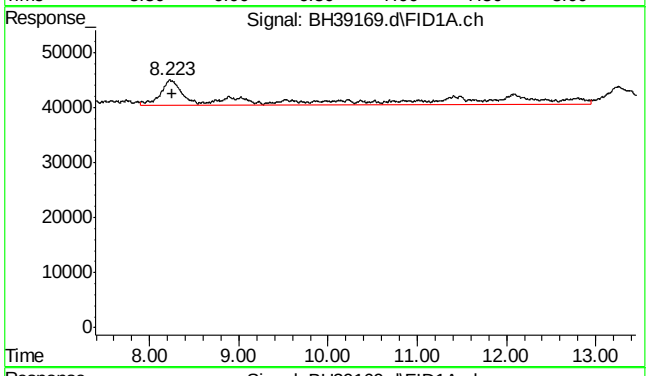






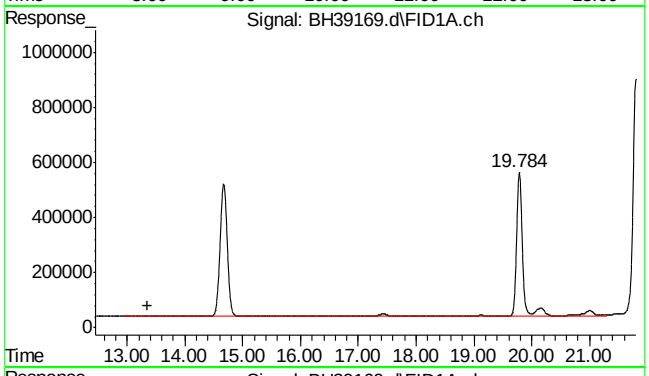
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 4220553
Conc: 4.09 ppb



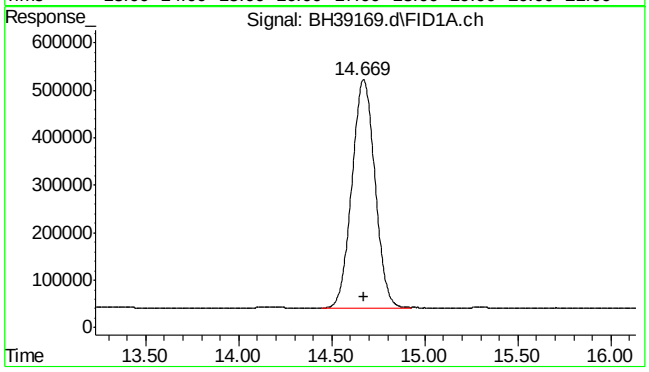
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 2514735
Conc: 2.43 ppb



#3 rt10/13

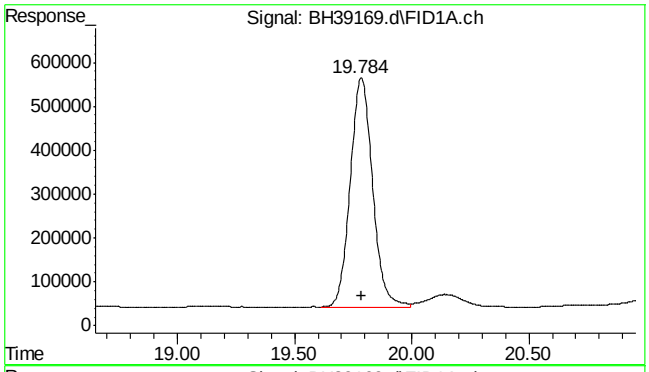
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 11947069
Conc: 11.57 ppb



#4 fluorobenzene

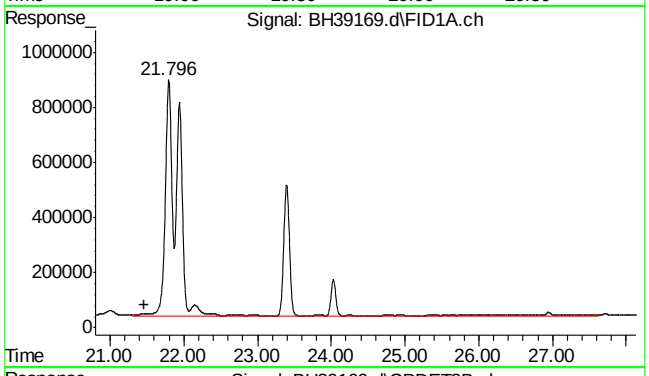
R.T.: 14.671 min
Delta R.T.: 0.000 min
Response: 41498564
Conc: 44.20 ppb

SGS ACCUTEST MC45857



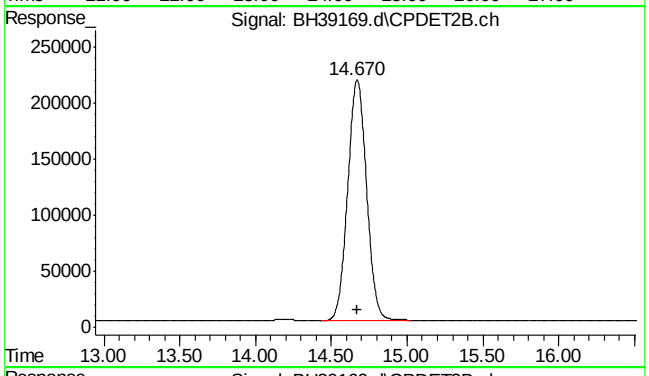
#6 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: -0.002 min
Response: 34780735
Conc: 42.79 ppb m



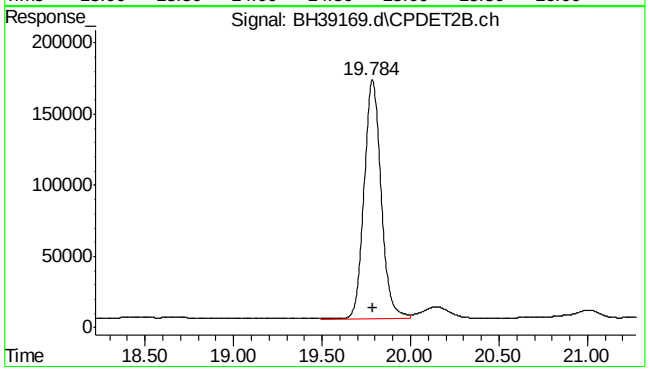
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 139477913
Conc: 115.96 ppb



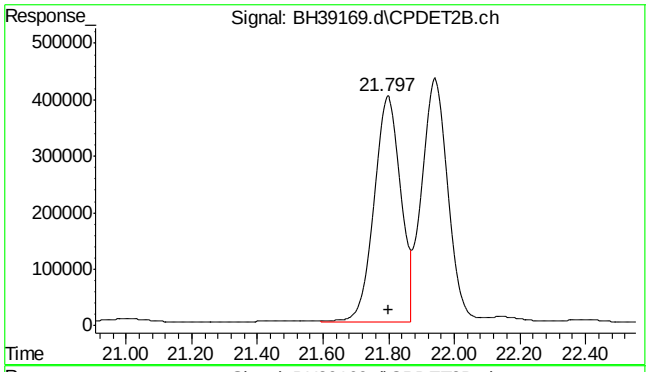
#16 fluorobenzene #2

R.T.: 14.671 min
Delta R.T.: 0.000 min
Response: 18694570
Conc: 46.00 ppb



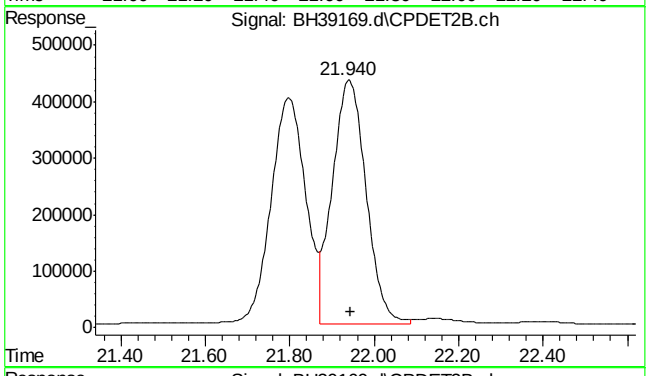
#18 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 11273790
Conc: 44.39 ppb



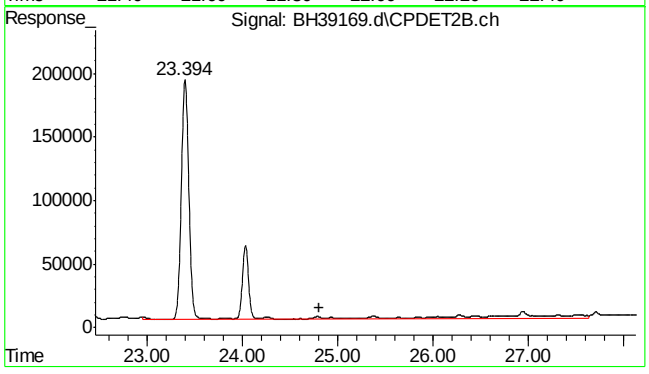
#19 ethylbenzene #2

R.T.: 21.797 min
Delta R.T.: -0.003 min
Response: 22849032
Conc: 41.76 ppb m



#20 m,p-xylene #2

R.T.: 21.940 min
Delta R.T.: -0.003 min
Response: 23833981
Conc: 35.73 ppb m



#25 c9-c10 arom as 1,2,4-tmb

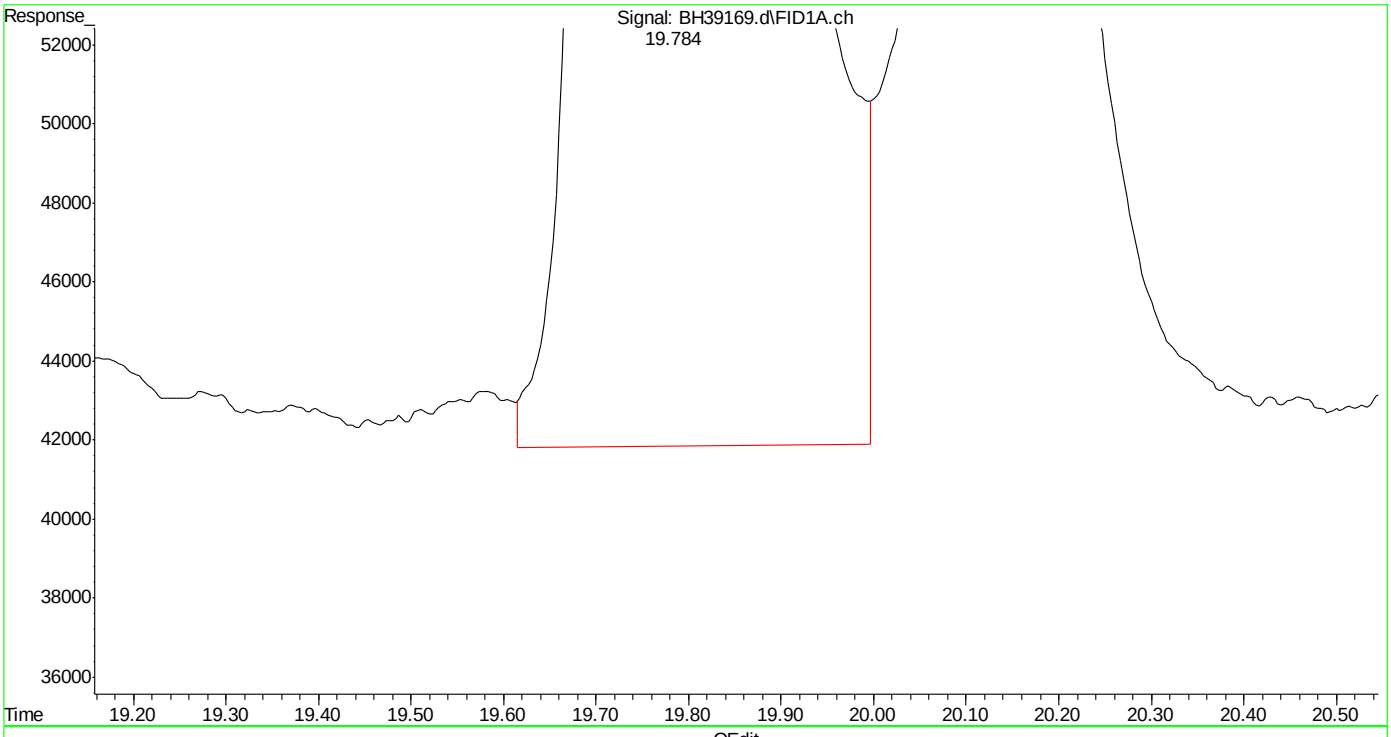
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 15875640
Conc: 24.65 ppb

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 42.894 ppb
response 34867604

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:34:21 2016

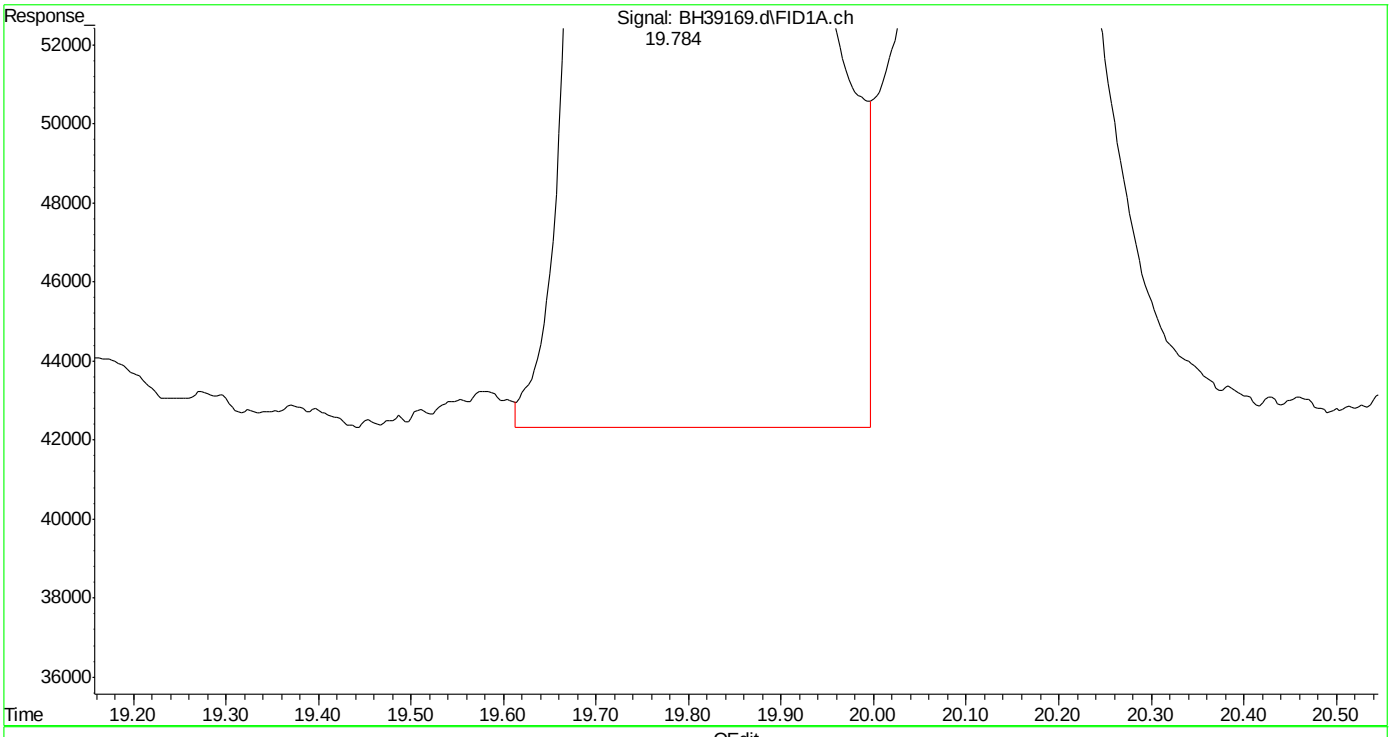
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.784min 42.787 ppb m
response 34780735

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:34:29 2016

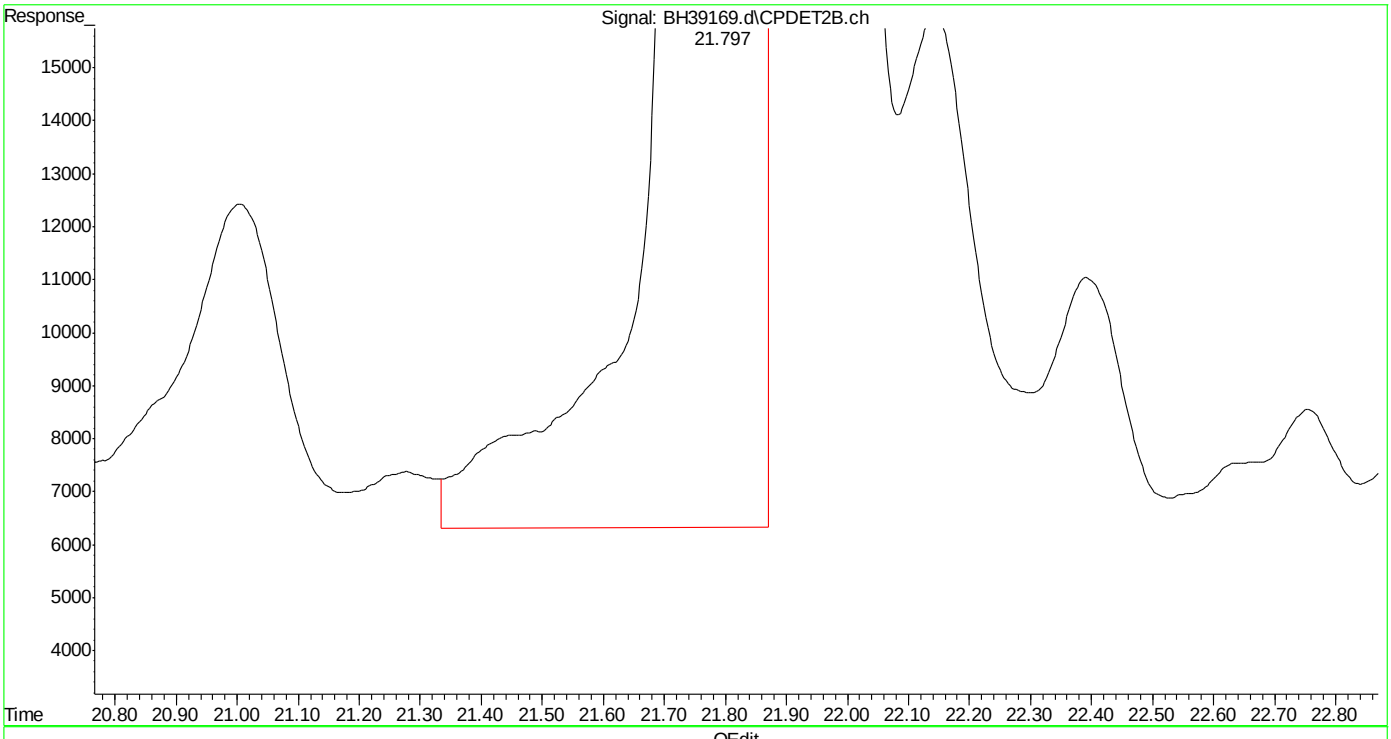
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) ethylbenzene #2 (t)
21.798min 42.419 ppb
response 23210139

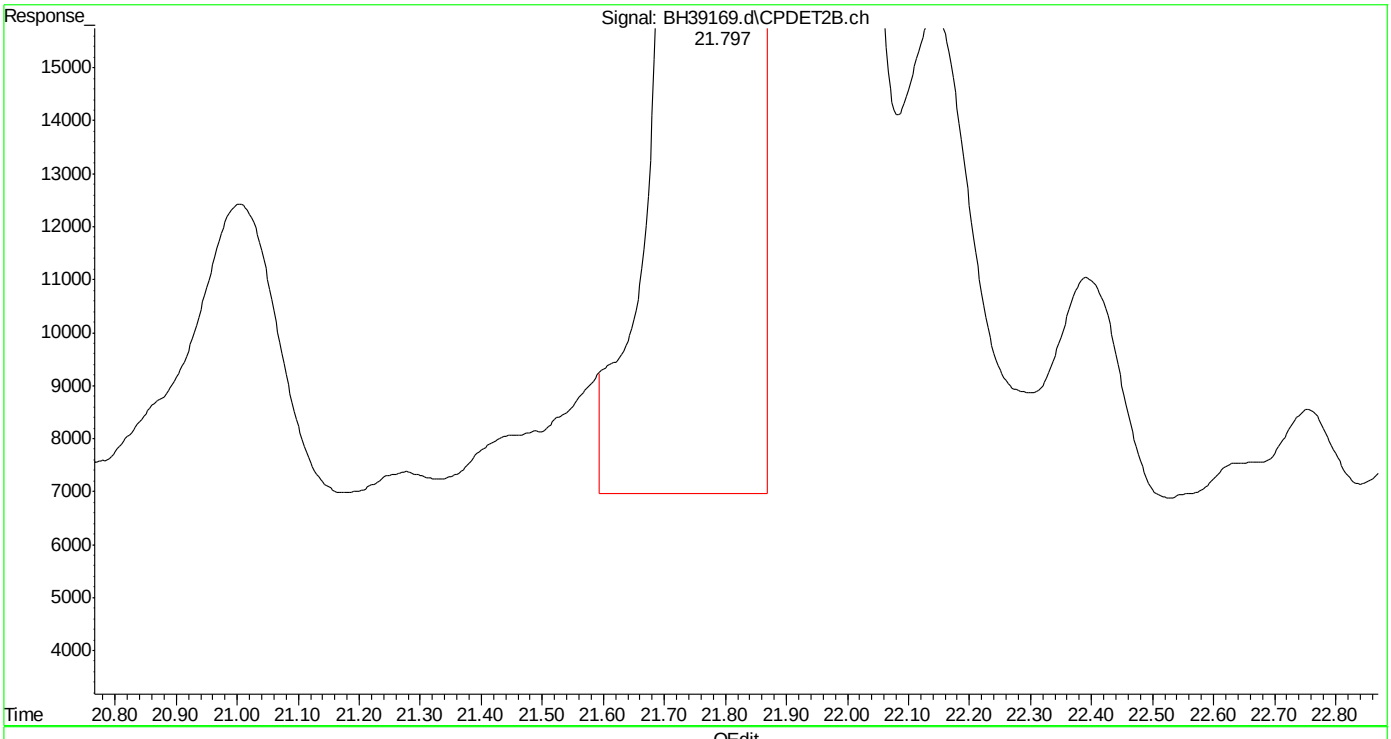
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:34:55 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) ethylbenzene #2 (t)
21.797min 41.759 ppb m
response 22849032

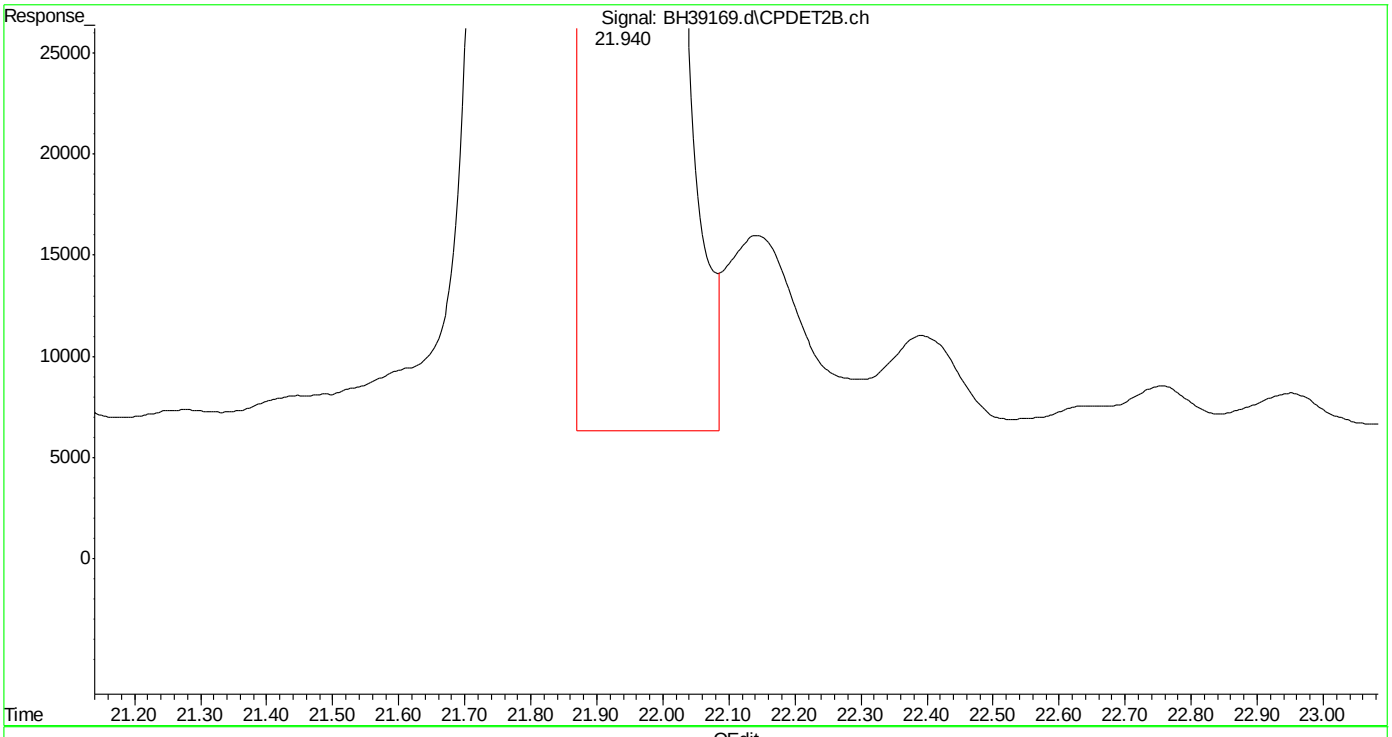
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:35:00 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.942min 36.245 ppb
response 24176917

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:35:08 2016

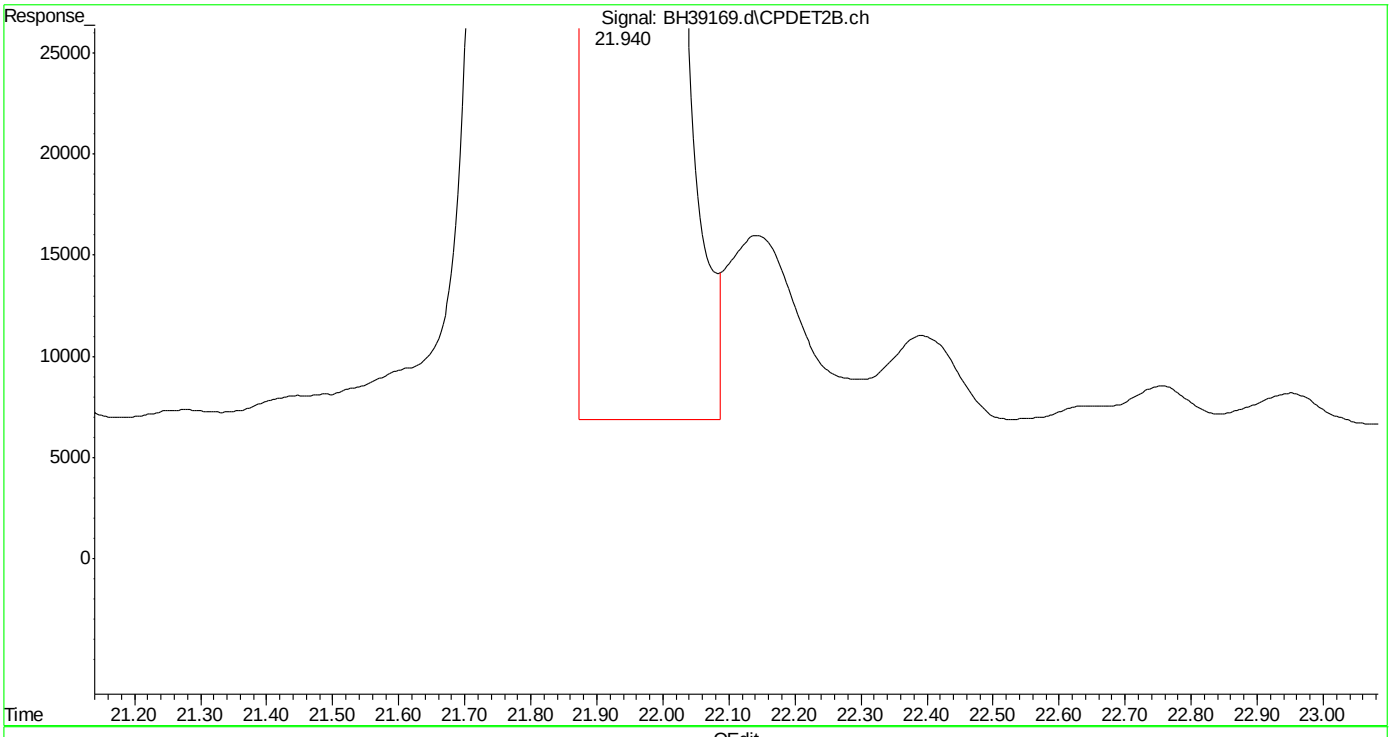
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.940min 35.731 ppb m
response 23833981

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:35:19 2016

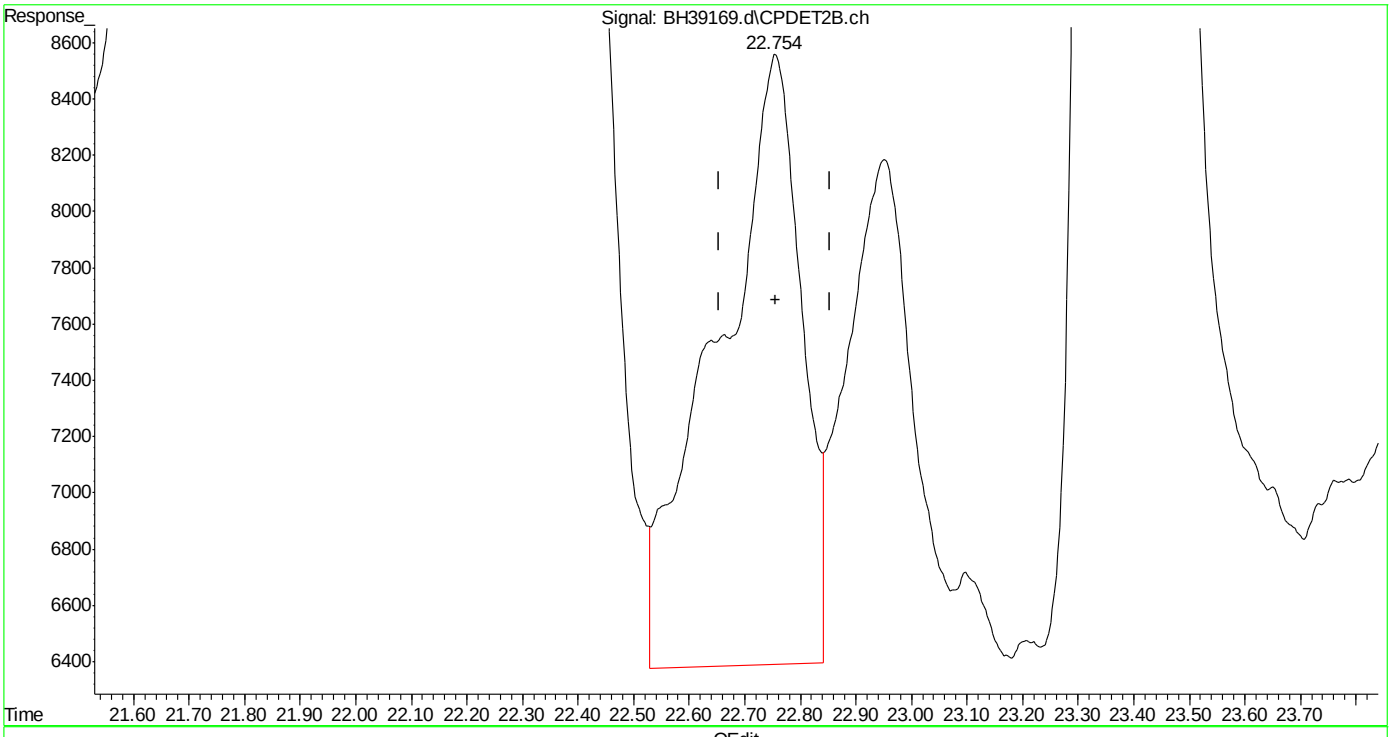
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.756min 0.391 ppb
response 227511

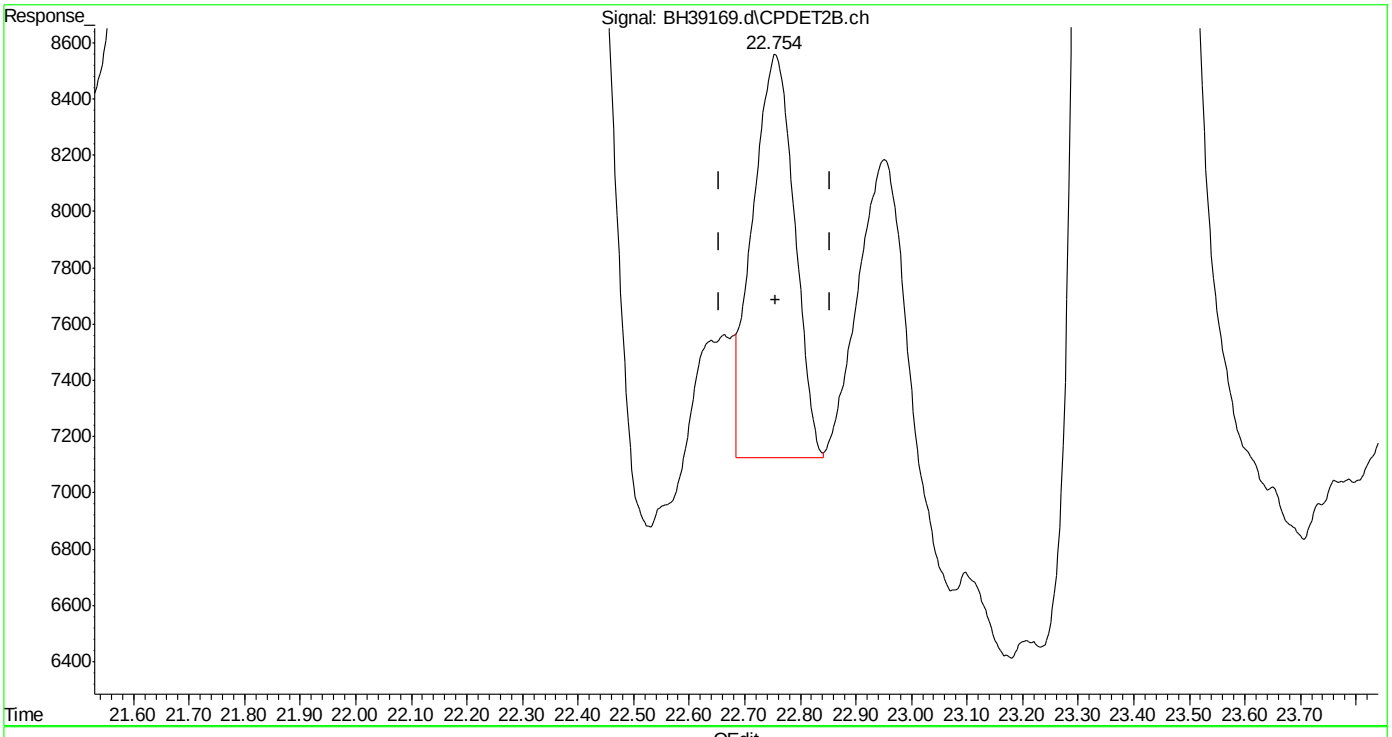
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:35:27 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 0.129 ppb m
response 75072

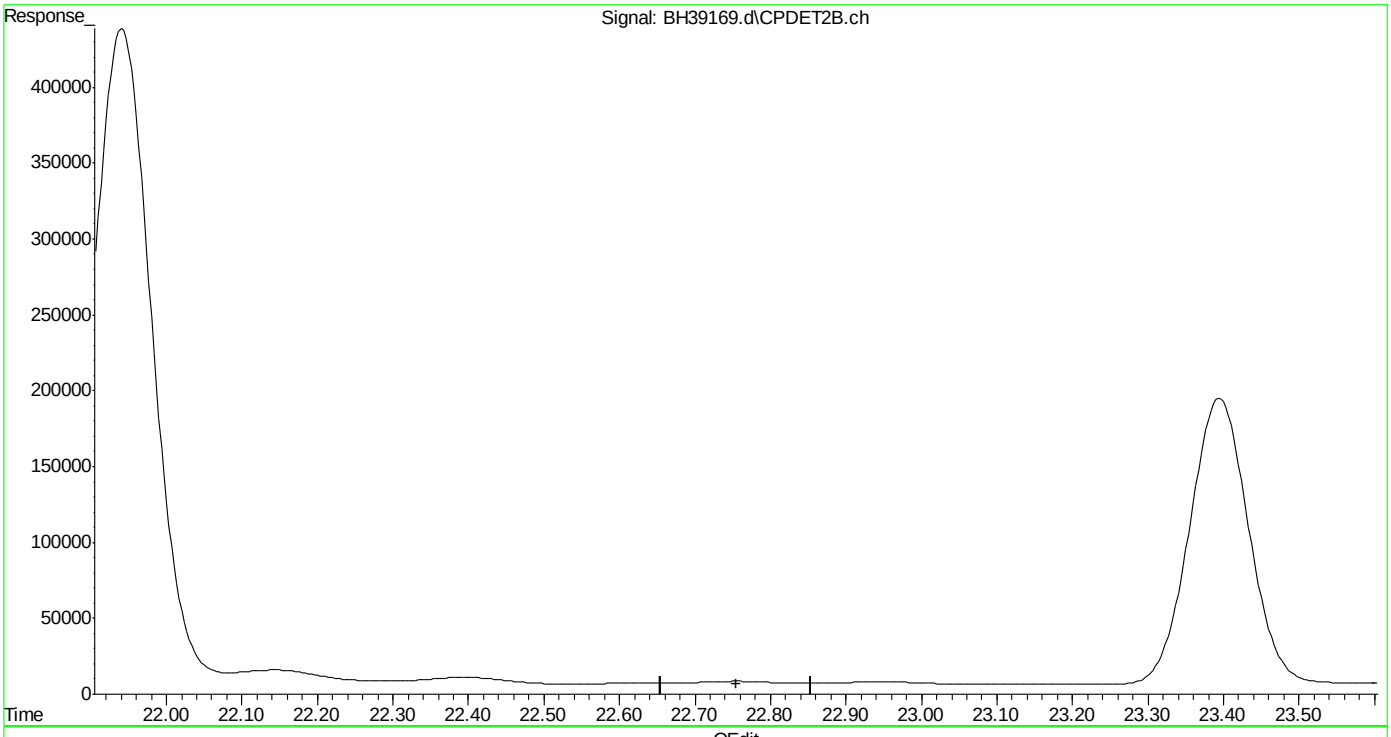
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
0.000min 0.000 ppb d
response 0

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:35:39 2016

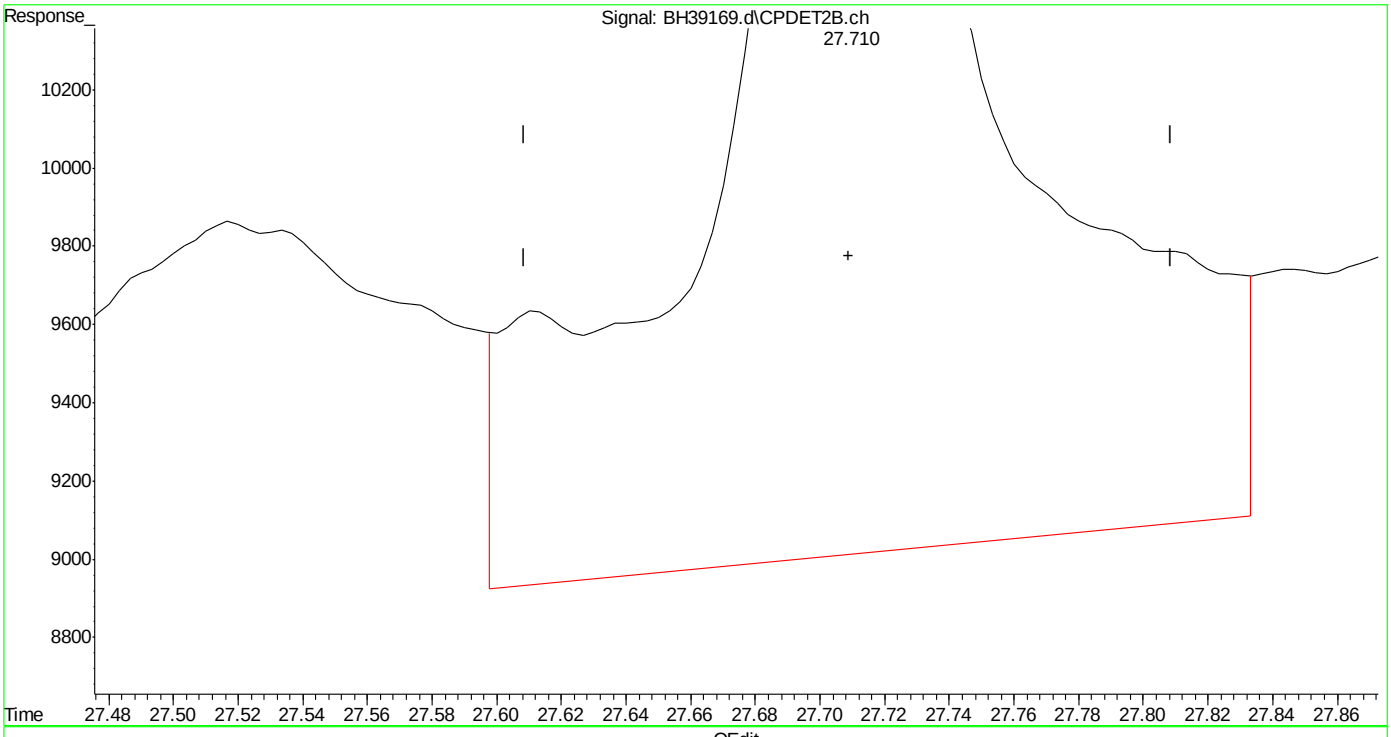
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.711min 0.330 ppb
response 180417

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
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Quant Time: May 13 07:43:46 2016
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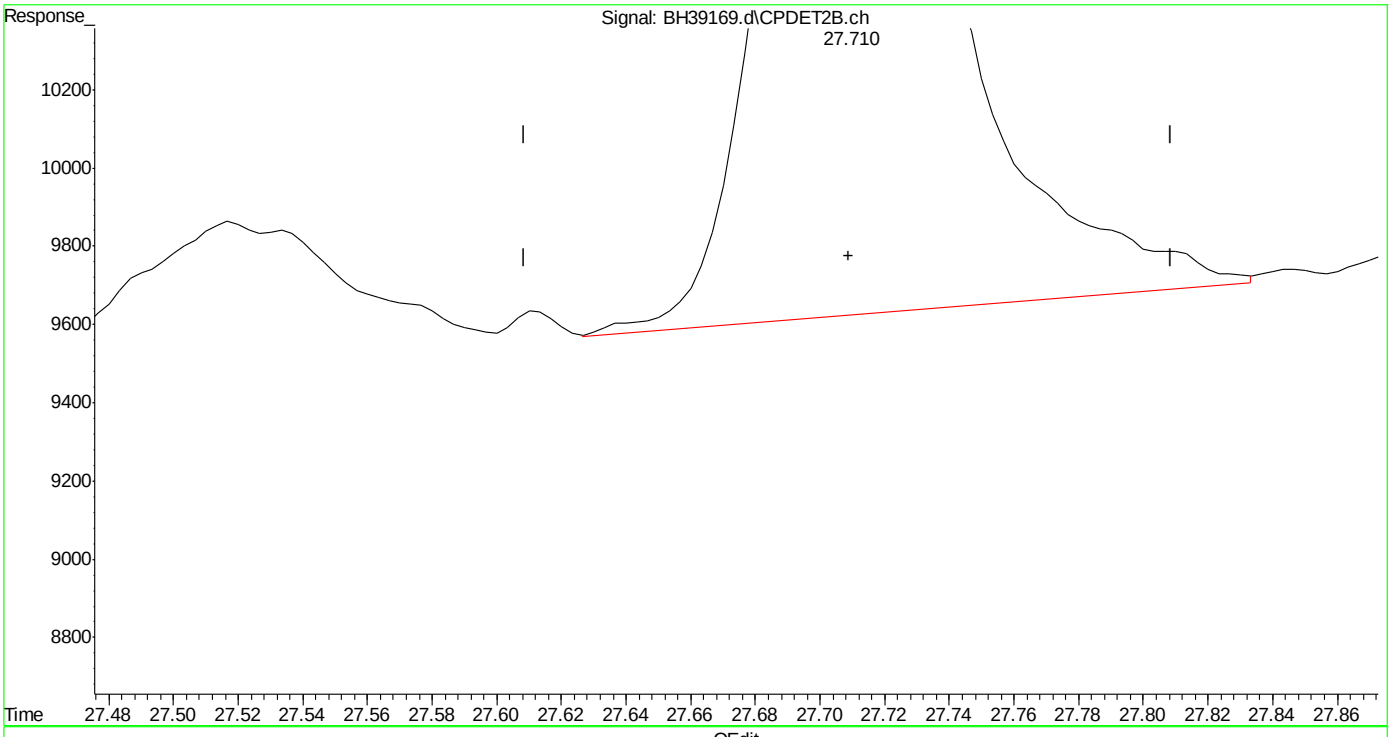
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 0.171 ppb m
response 93360

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:35:49 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39169.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 5:19 pm
Operator : danielf
Sample : mc45857-1,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e
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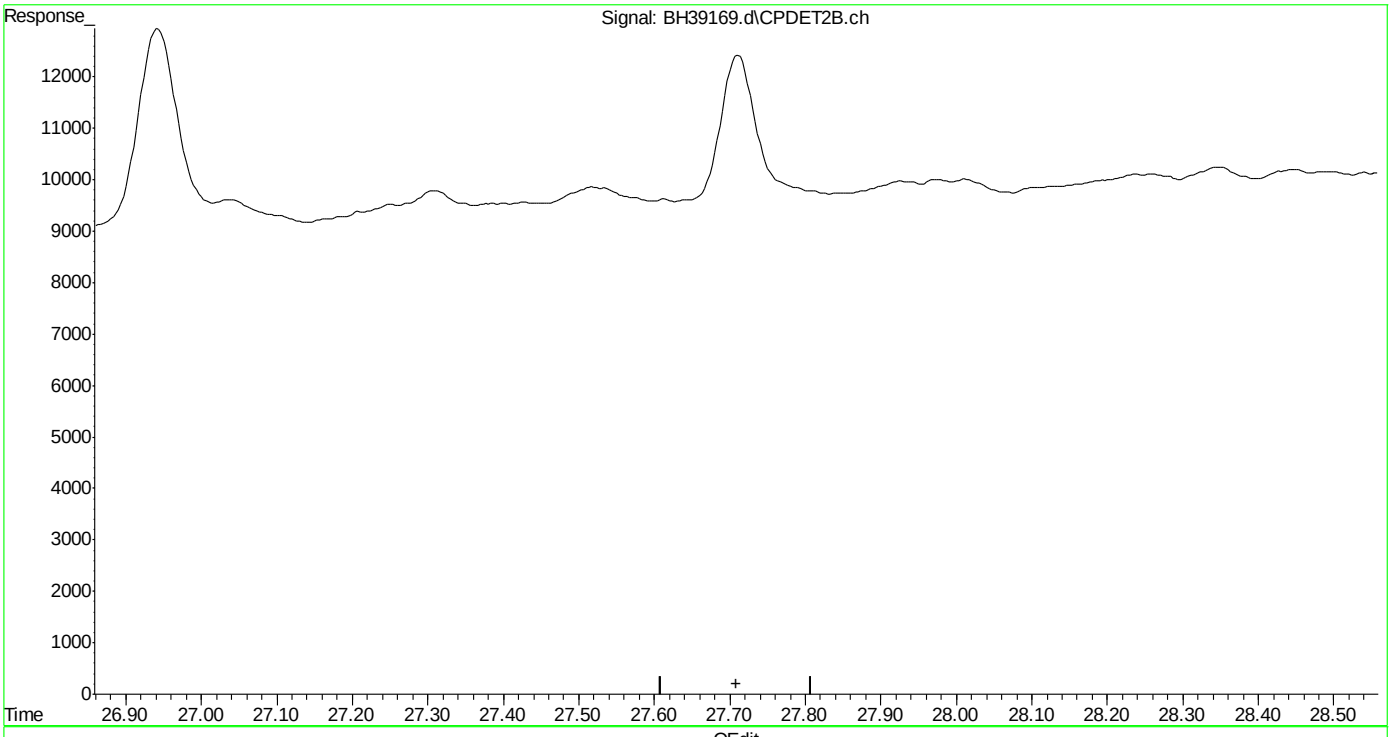
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
0.000min 0.000 ppb d
response 0

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:35:52 2016

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:11:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.671	40804018	43.456	ppb	
Spiked Amount 50.000		Recovery = 86.91%			
6) s 2,3,4-trifluorotoluene	19.784	35321104	43.452	ppb	m
Spiked Amount 50.000		Recovery = 86.90%			
16) s fluorobenzene #2	14.670	18562669	45.674	ppb	m
Spiked Amount 50.000		Recovery = 91.35%			
18) s 2,3,4-trifluorotoluen...	19.785	11659488	45.907	ppb	m
Spiked Amount 50.000		Recovery = 91.81%			
Target Compounds					
1) h rt5.5-7	5.980	1910355	1.850	ppb	
2) h rt7/10	8.250	4752282	4.602	ppb	
3) h rt10/13	13.360	34546311	33.451	ppb	
8) h rt20/25	21.460	10049513743	8355.342	ppb	
15) t benzene #2	14.173	232577	0.354	ppb	m
17) t toluene #2	18.664	3253653	5.276	ppb	m
19) t ethylbenzene #2	21.808	1034021777	1889.793	ppb	
20) t m,p-xylene #2	21.962	3369272756	5051.096	ppb	m
21) t o-xylene #2	22.755	248129670	426.233	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	14773202	22.939	ppb	

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
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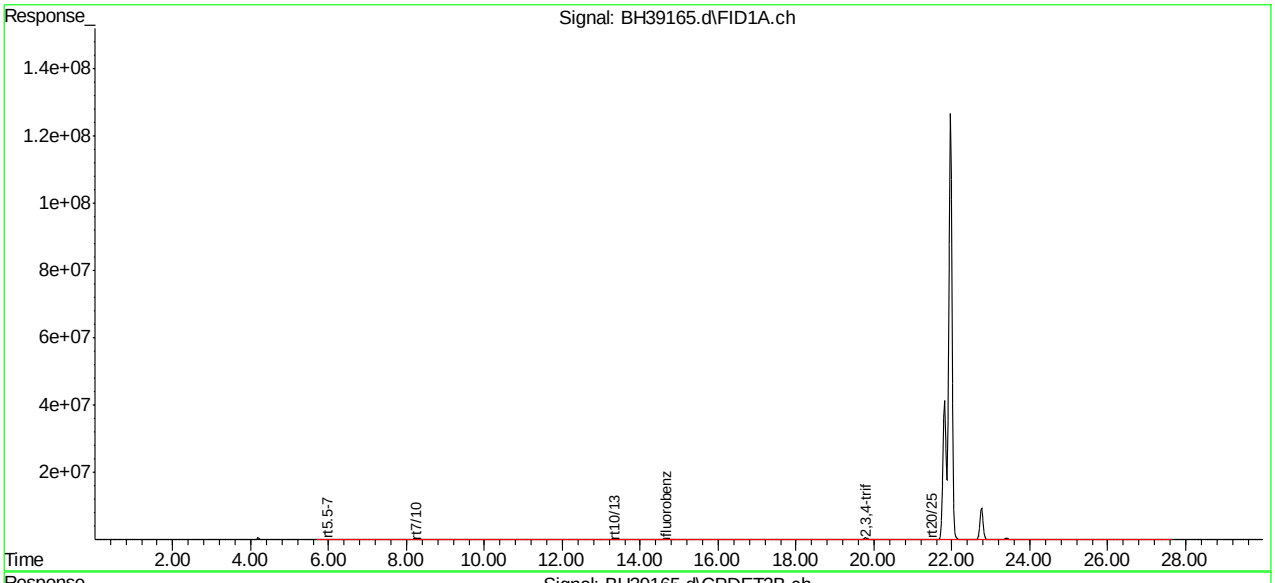
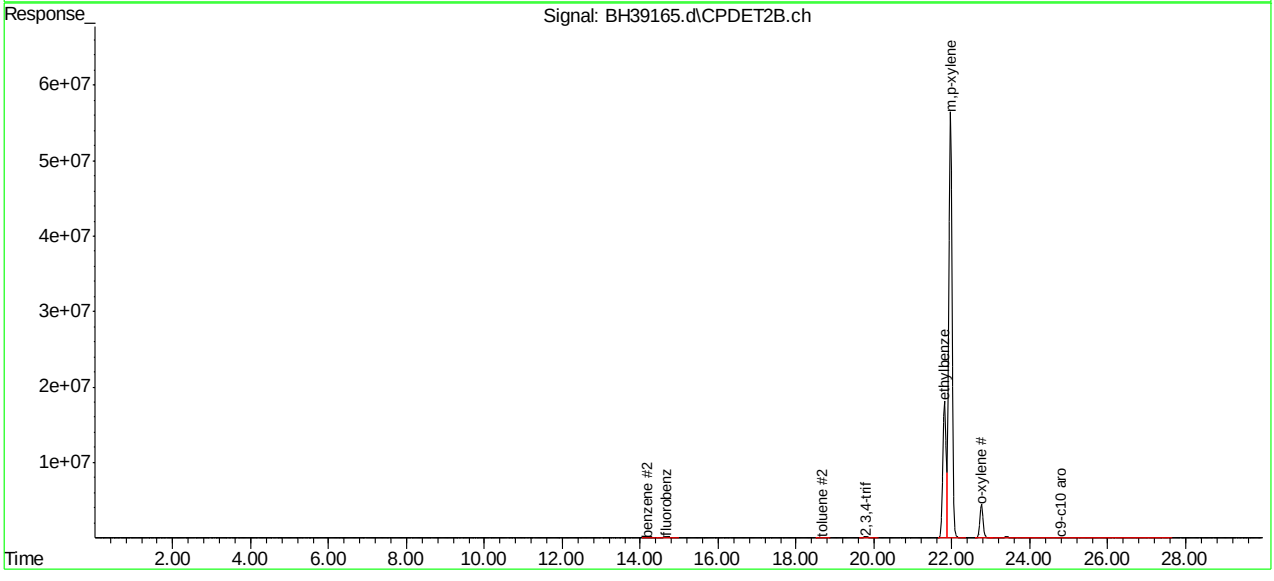
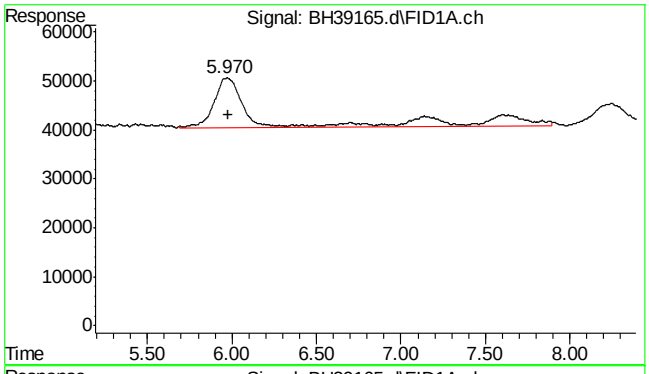
Signal #1 Info : Signal #2 Info :

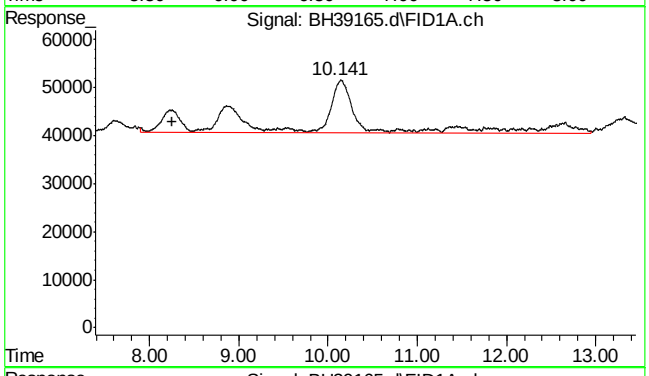






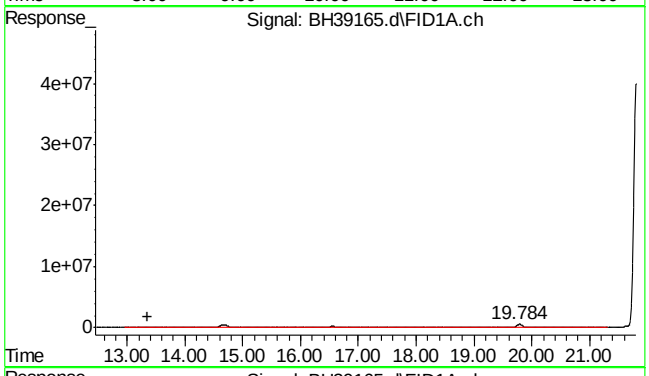
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 1910355
Conc: 1.85 ppb



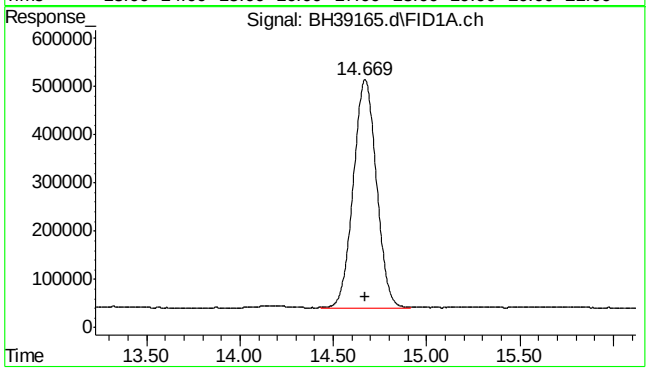
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 4752282
Conc: 4.60 ppb



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 34546311
Conc: 33.45 ppb



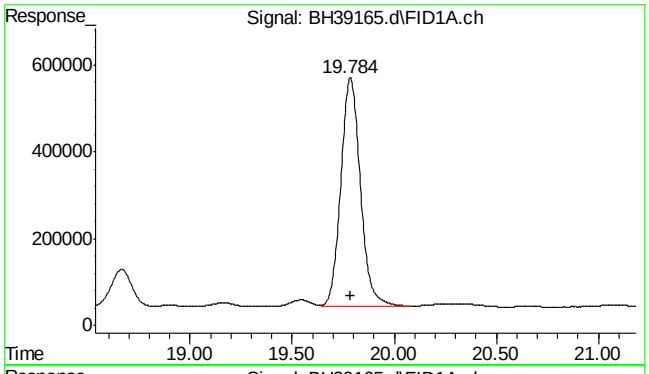
#4 fluorobenzene

R.T.: 14.671 min
Delta R.T.: -0.001 min
Response: 40804018
Conc: 43.46 ppb

7.1.2

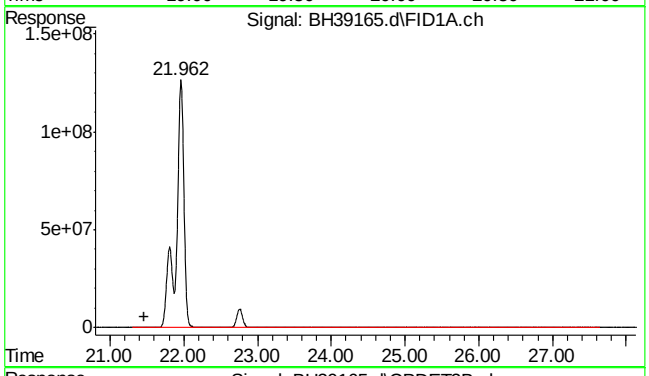
7

SGS ACCUTEST MC45857



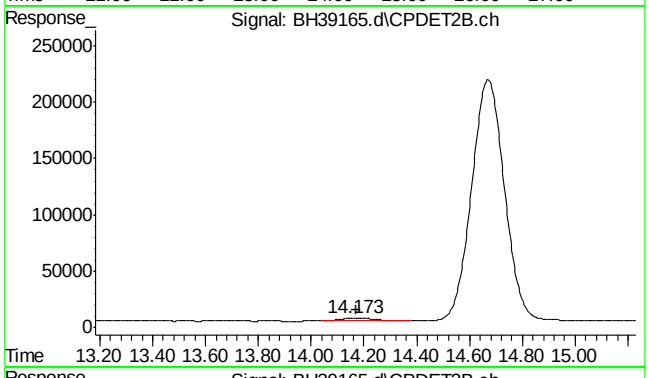
#6 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: -0.001 min
Response: 35321104
Conc: 43.45 ppb m



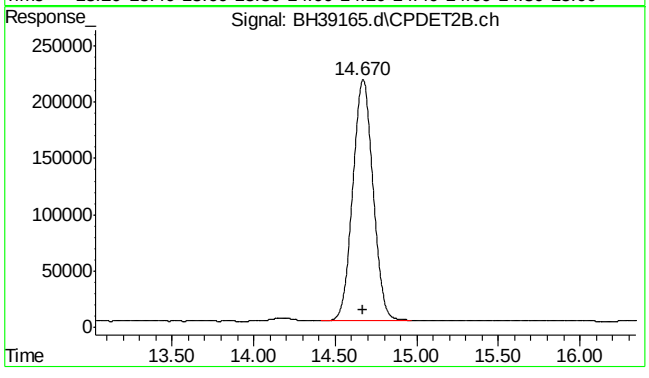
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 10049513743
Conc: 8355.34 ppb



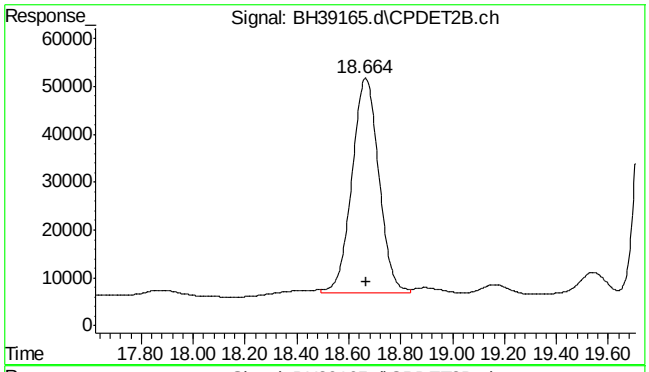
#15 benzene #2

R.T.: 14.173 min
Delta R.T.: 0.003 min
Response: 232577
Conc: 0.35 ppb m



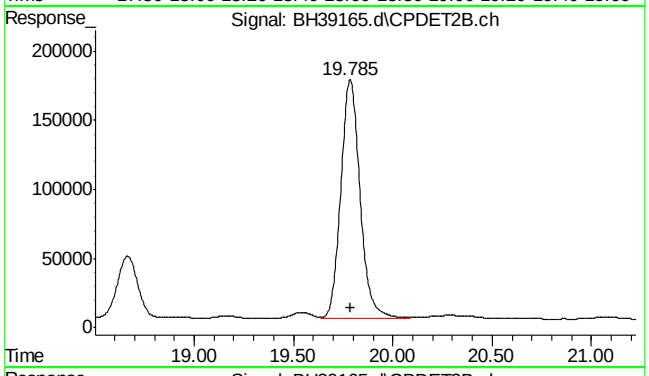
#16 fluorobenzene #2

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 18562669
Conc: 45.67 ppb m



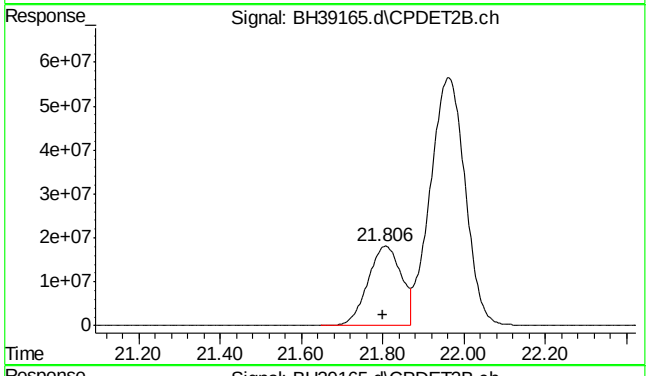
#17 toluene #2

R.T.: 18.664 min
Delta R.T.: -0.002 min
Response: 3253653
Conc: 5.28 ppb m



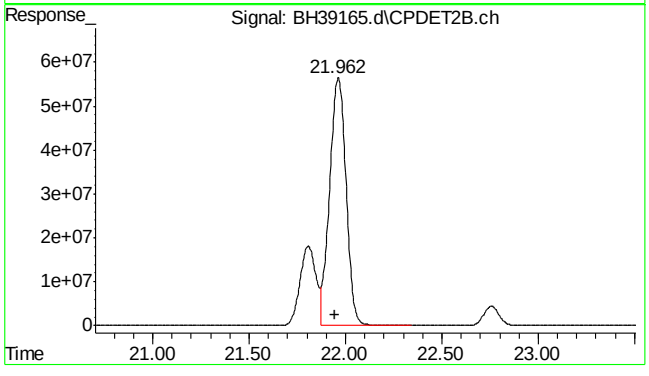
#18 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 11659488
Conc: 45.91 ppb m



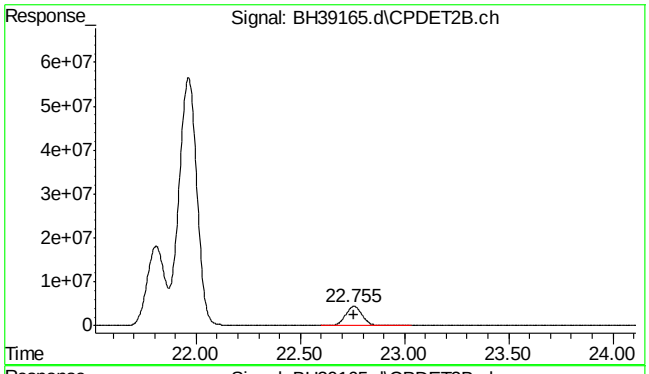
#19 ethylbenzene #2

R.T.: 21.808 min
Delta R.T.: 0.008 min
Response: 1034021777
Conc: 1889.79 ppb



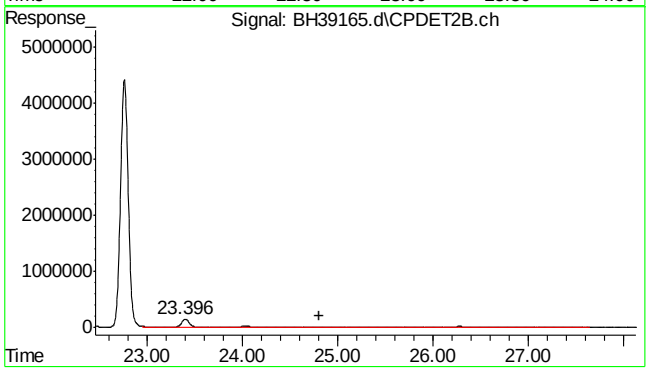
#20 m,p-xylene #2

R.T.: 21.962 min
Delta R.T.: 0.019 min
Response: 3369272756
Conc: 5051.10 ppb m



#21 o-xylene #2

R.T.: 22.755 min
Delta R.T.: 0.000 min
Response: 248129670
Conc: 426.23 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 14773202
Conc: 22.94 ppb

7.1.2

7

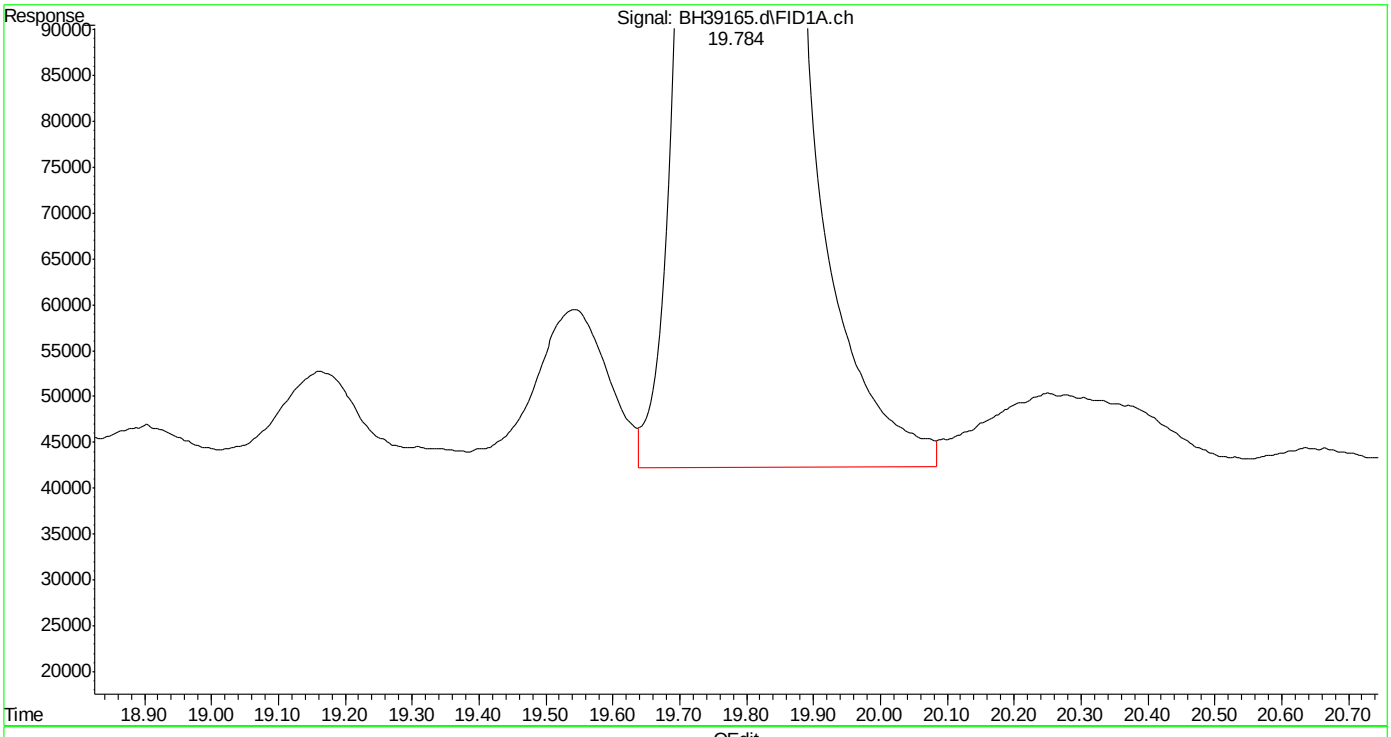
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.786min 43.987 ppb
response 35755903

(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:09:38 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
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Quant Time: May 12 15:09:06 2016
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Volume Inj. :
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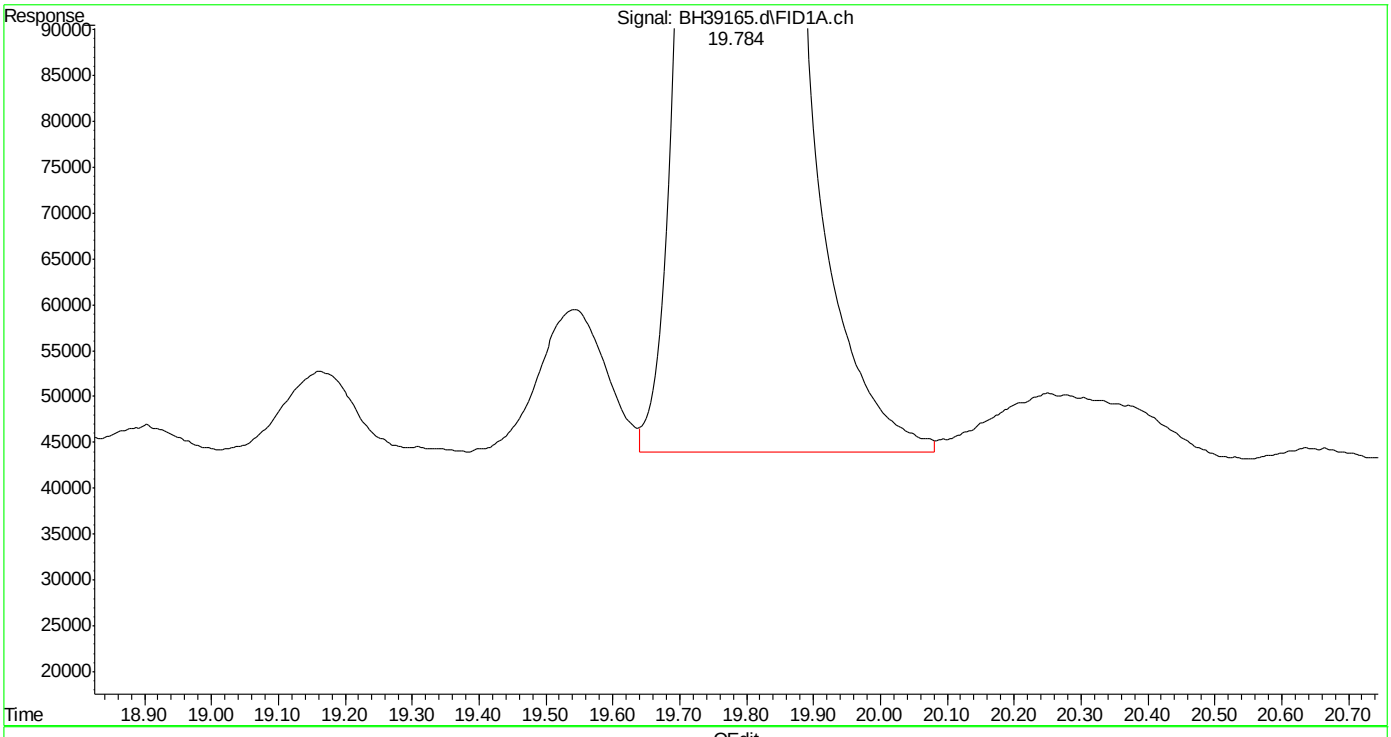

(6) 2,3,4-trifluorotoluene (s)
19.784min 43.452 ppb m
response 35321104

(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:09:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
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Volume Inj. :
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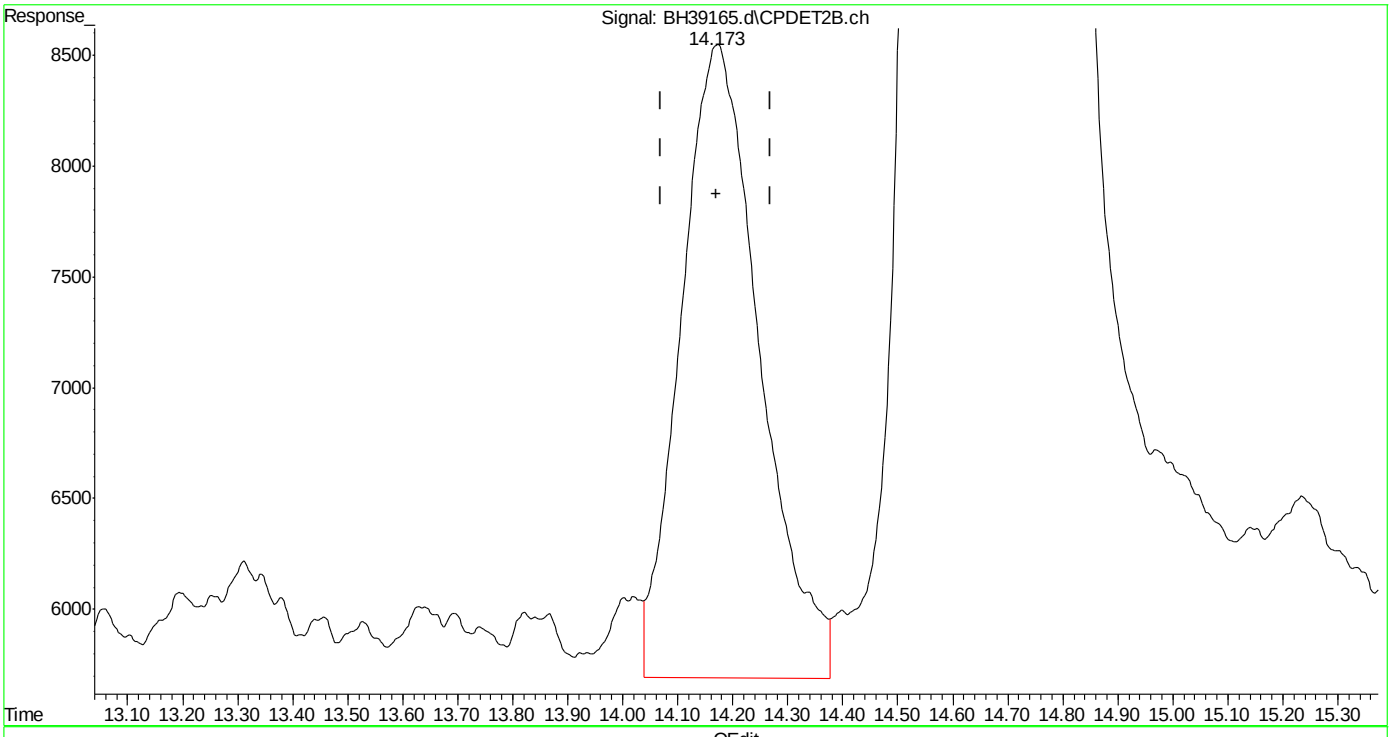

(15) benzene #2 (t)
14.174min 0.432 ppb
response 284271

(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:10:06 2016

Quantitation Report (Qedit)

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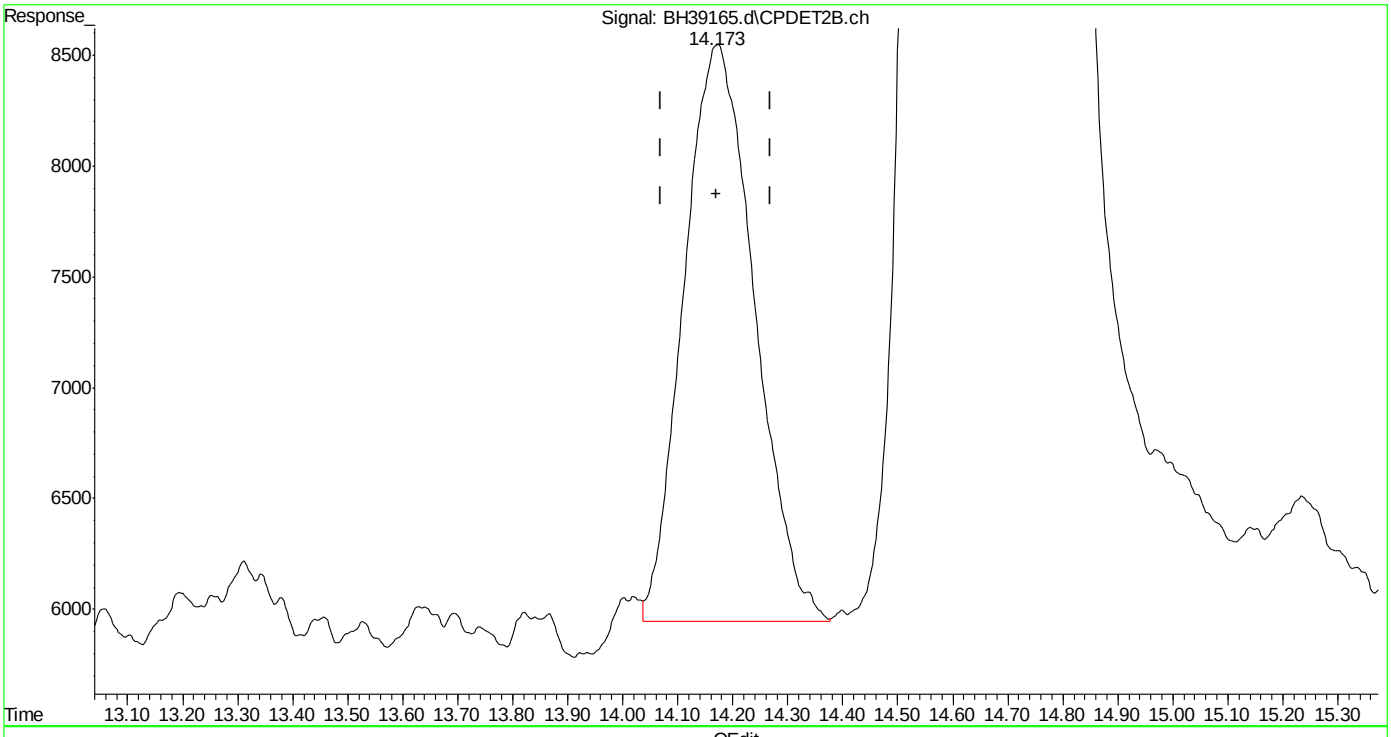

(15) benzene #2 (t)
14.173min 0.354 ppb m
response 232577

(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:10:14 2016

Quantitation Report (Qedit)

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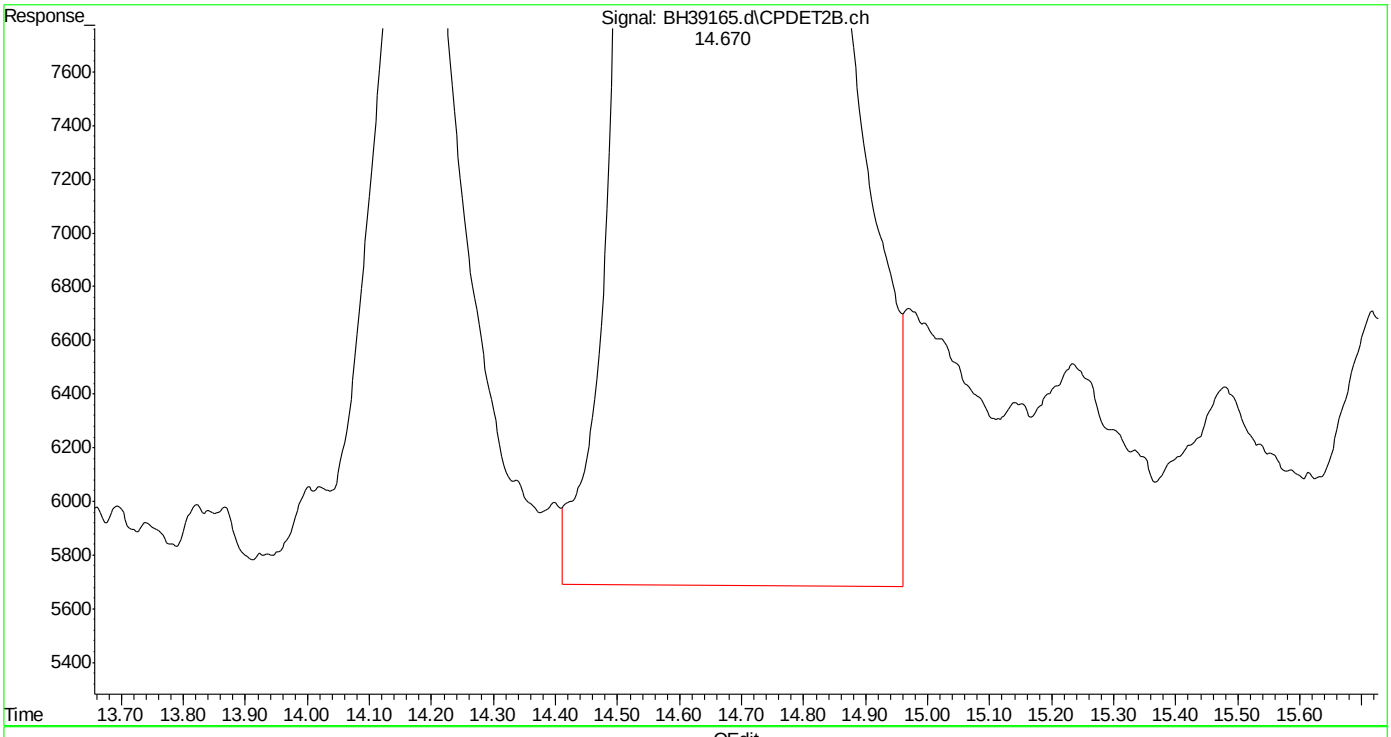

(16) fluorobenzene #2 (s)
14.671min 45.885 ppb
response 18648565

(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:10:20 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

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Misc : gc26233,gbh2302,,,,5,1
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Volume Inj. :
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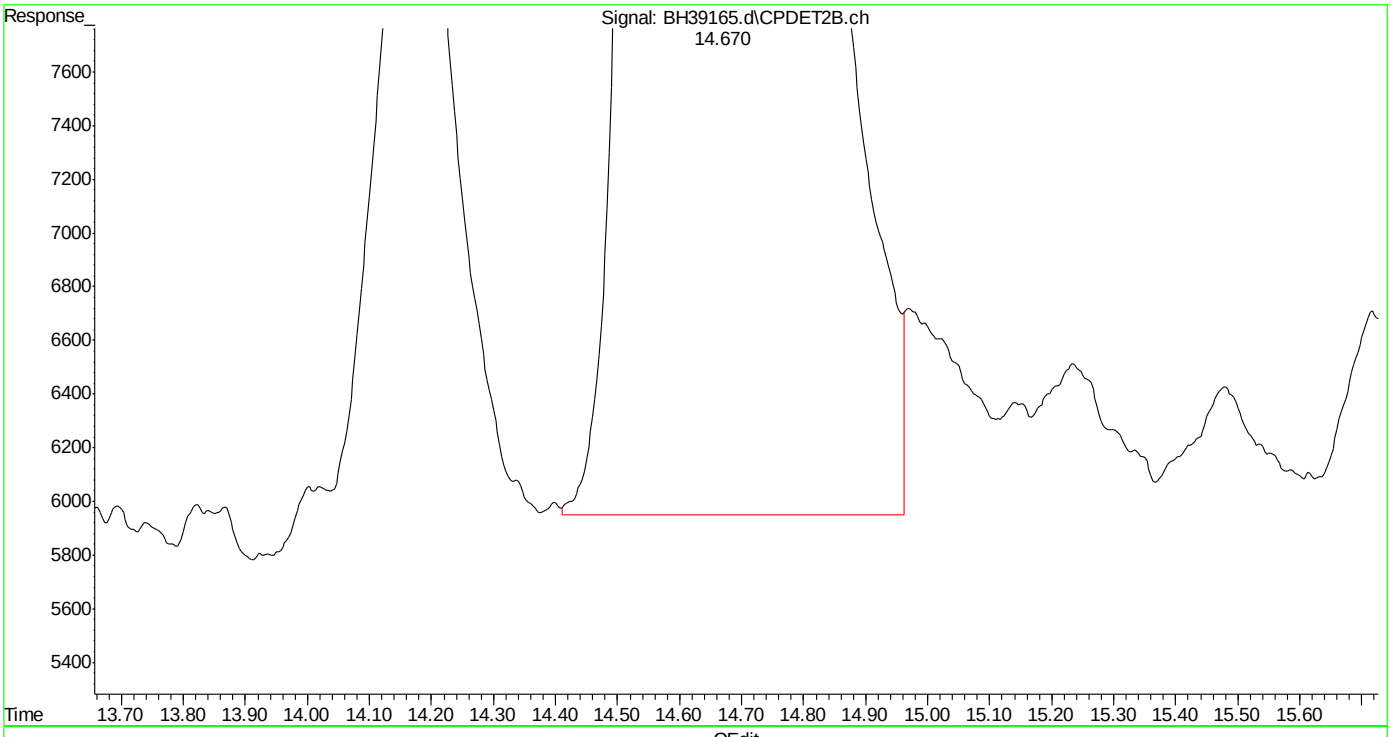

(16) fluorobenzene #2 (s)
14.670min 45.674 ppb m
response 18562669

(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:10:27 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
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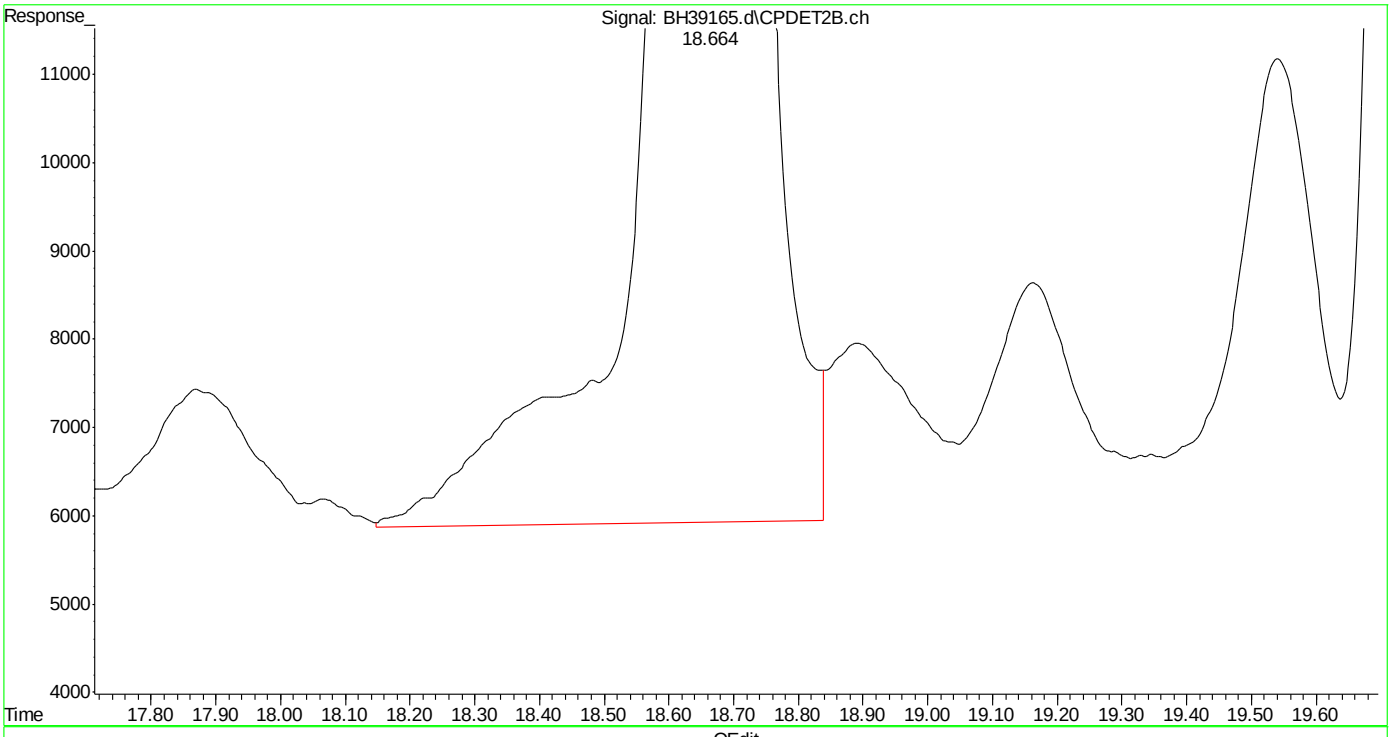
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.665min 5.867 ppb
response 3618223

(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:10:31 2016

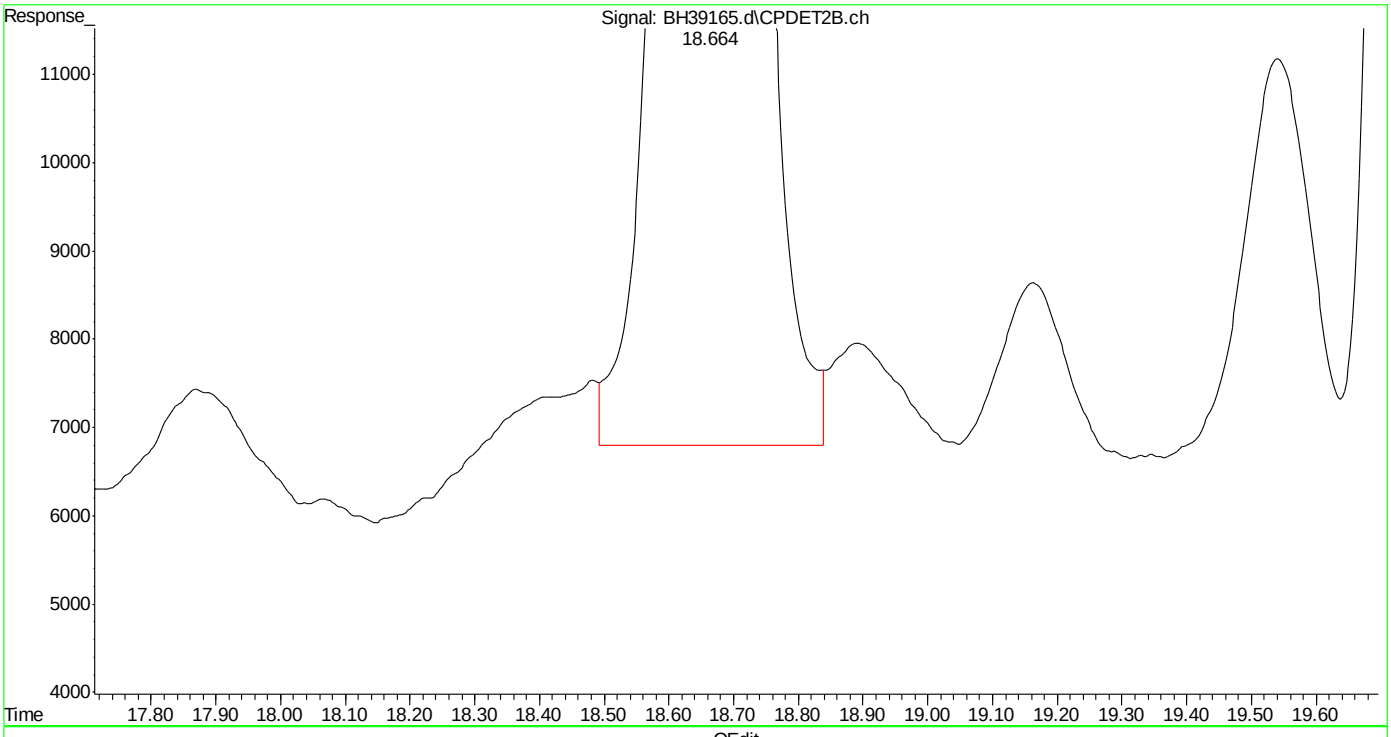
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.664min 5.276 ppb m
response 3253653

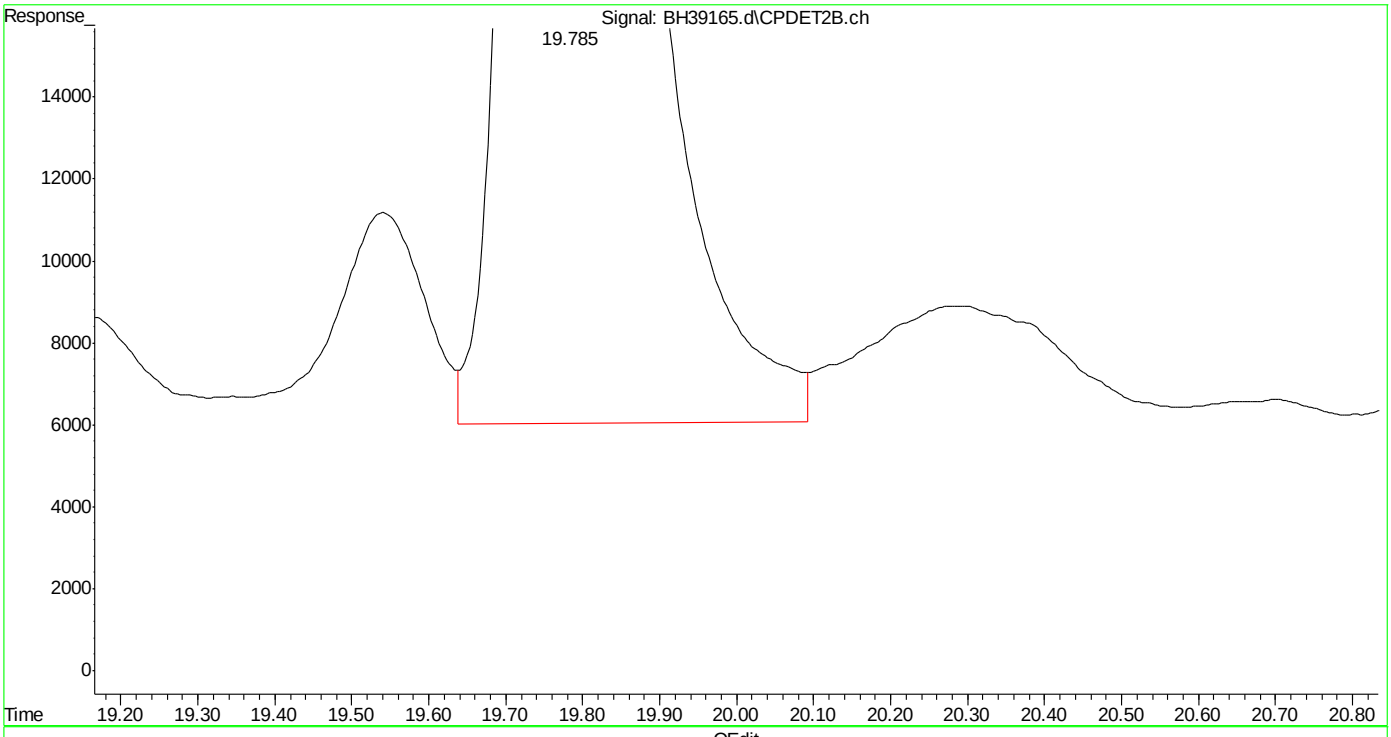
(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:10:39 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 46.523 ppb
response 11815938

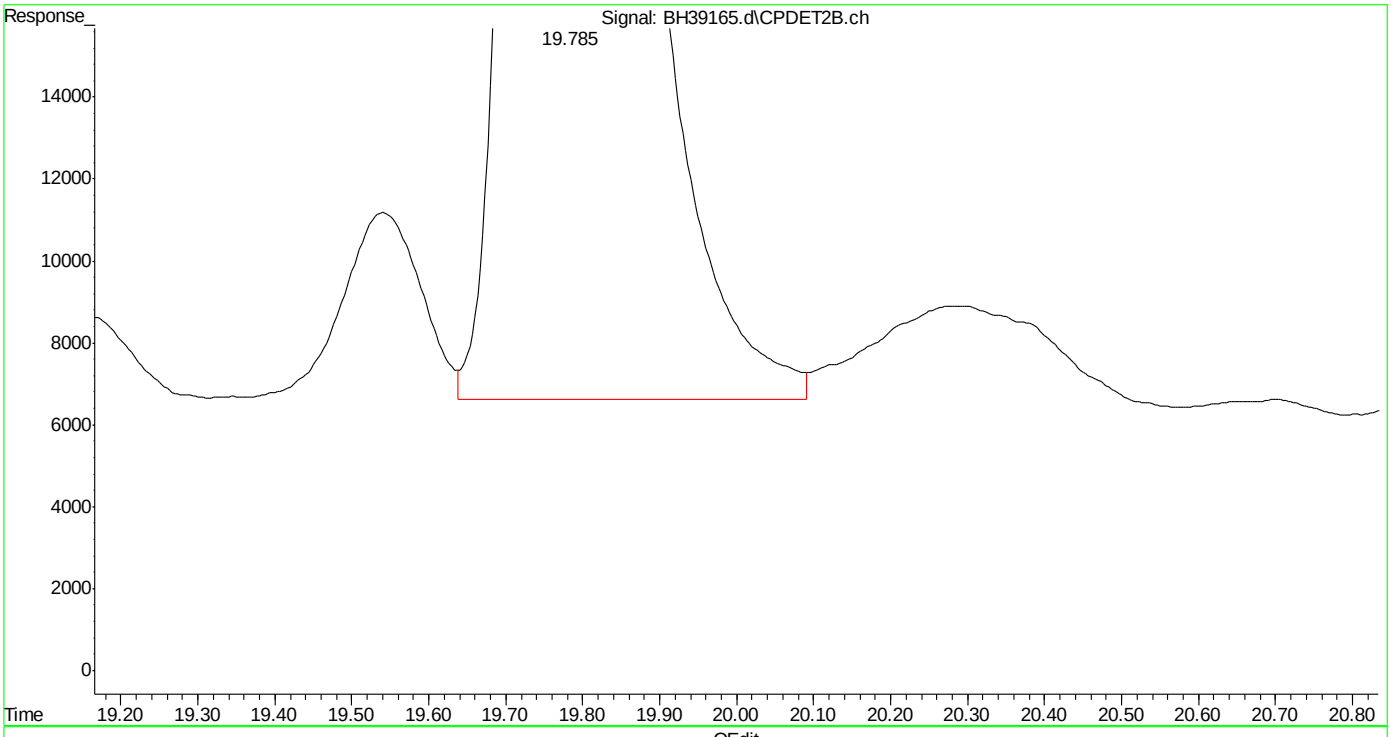
(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:10:43 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 45.907 ppb m
response 11659488

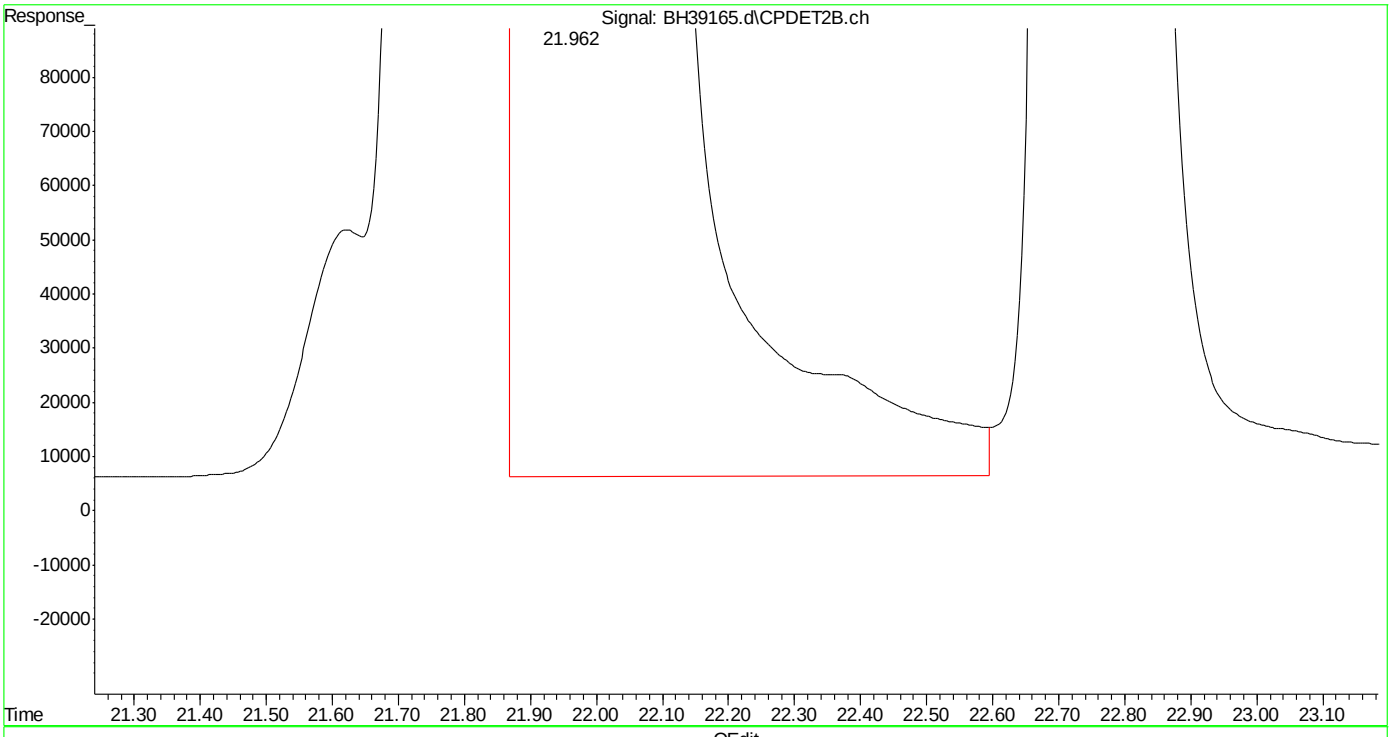
(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:10:51 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.963min 5085.900 ppb
response 3392488481

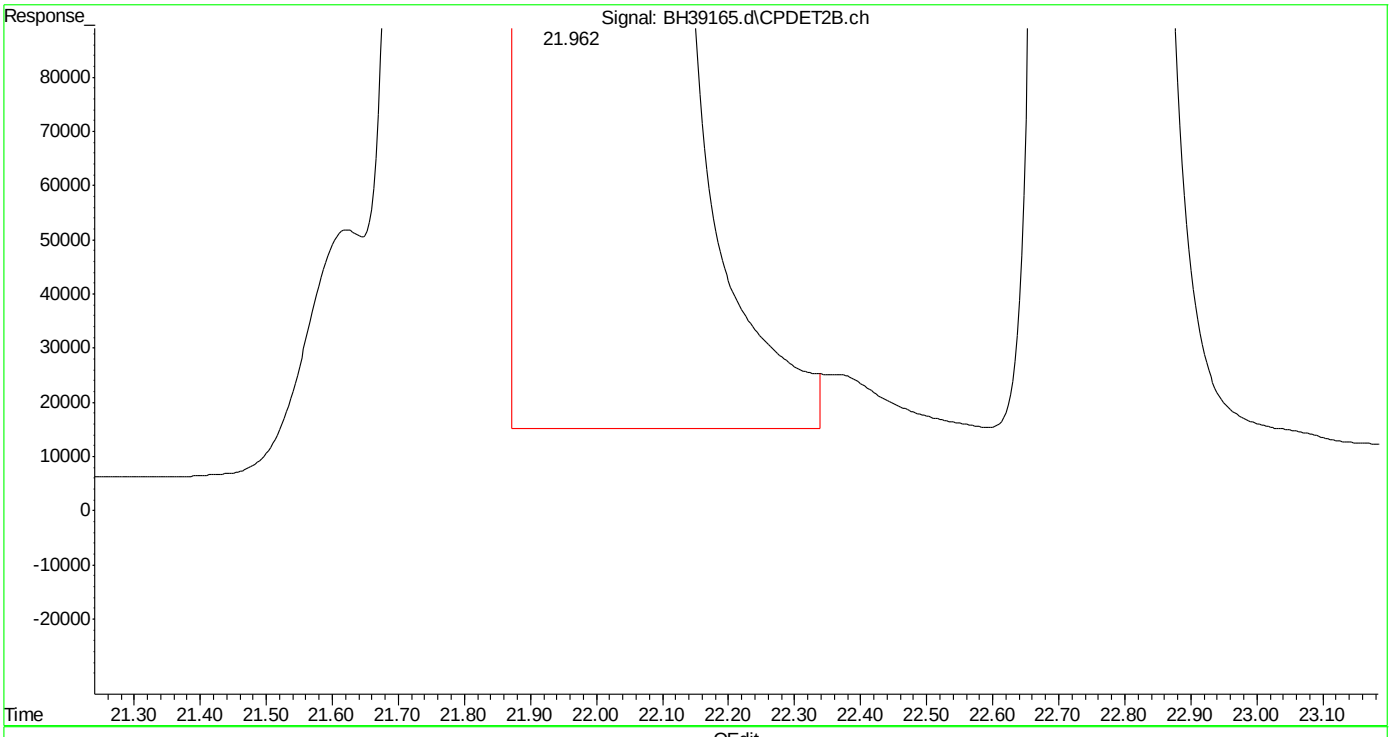
(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:11:01 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.962min 5051.096 ppb m
response 3369272756

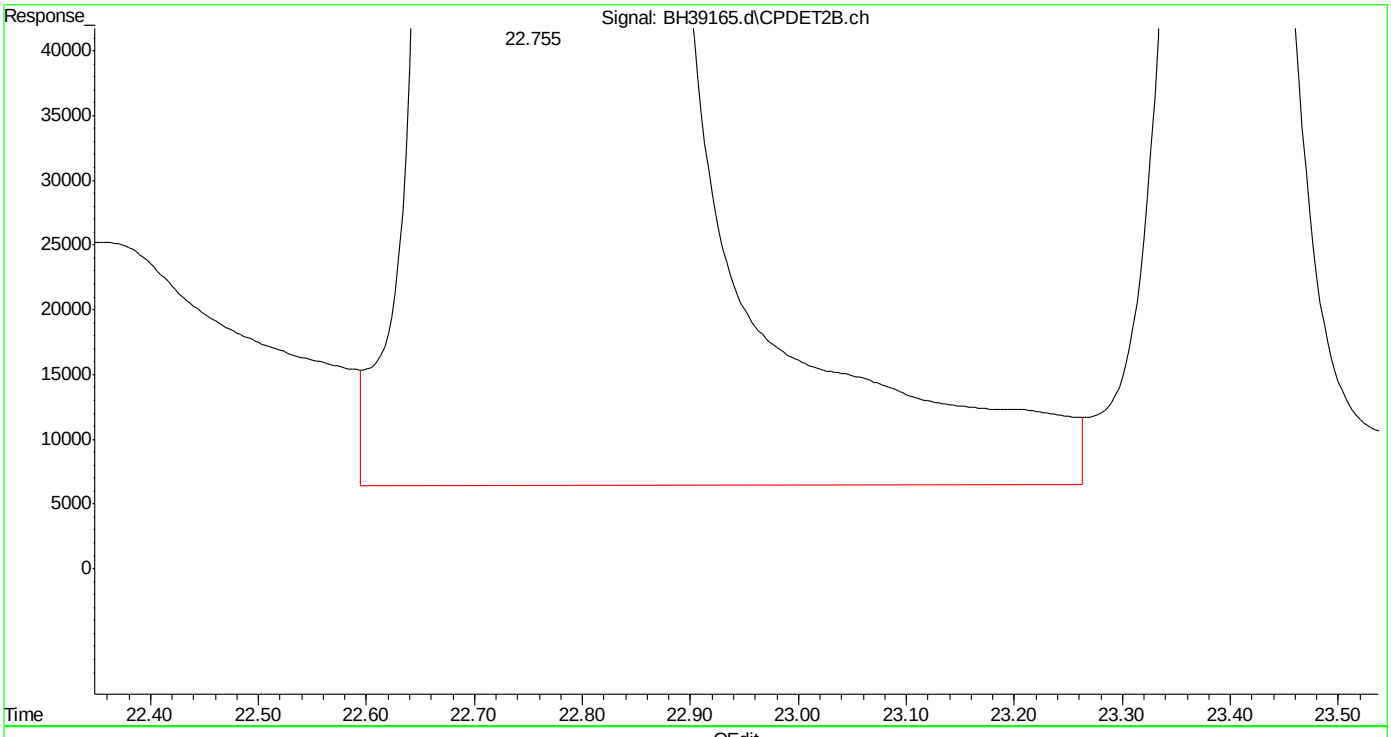
(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:11:11 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.757min 430.117 ppb
response 250390825

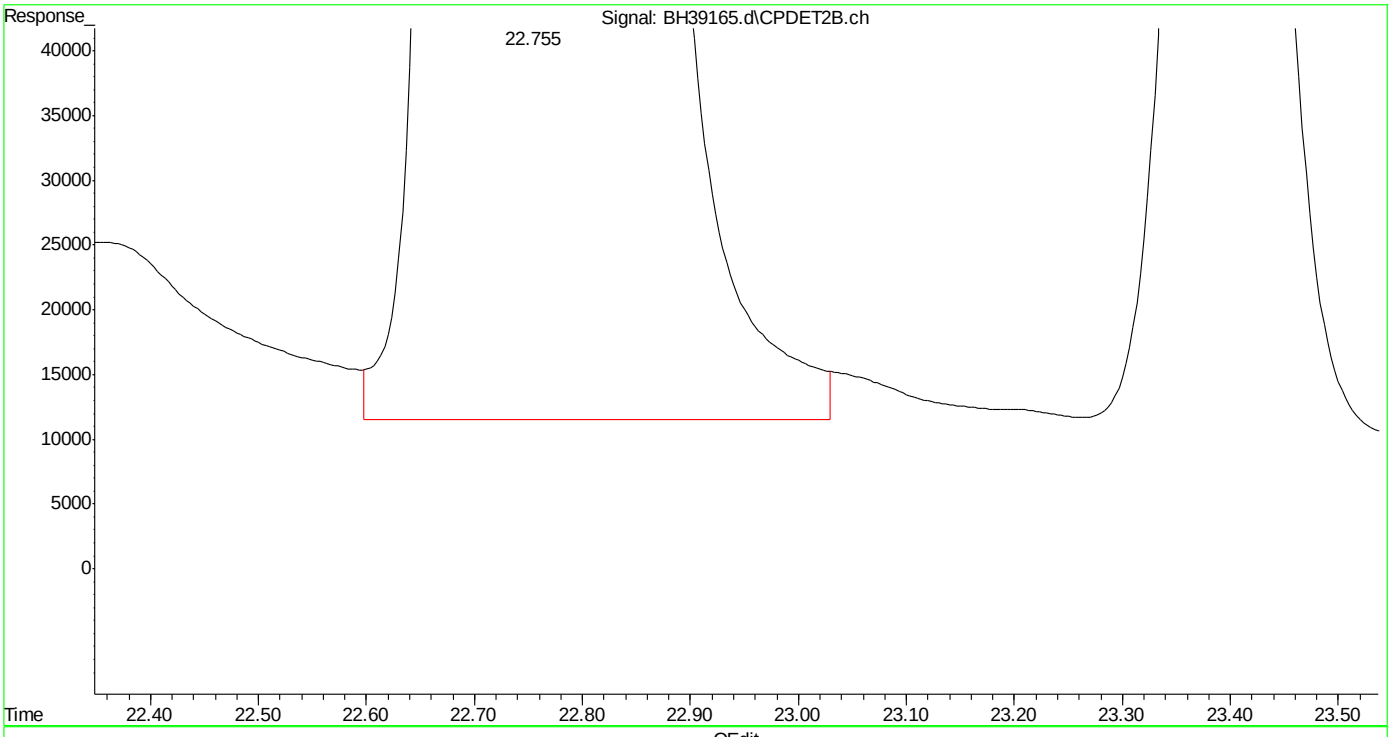
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.755min 426.233 ppb m
response 248129670

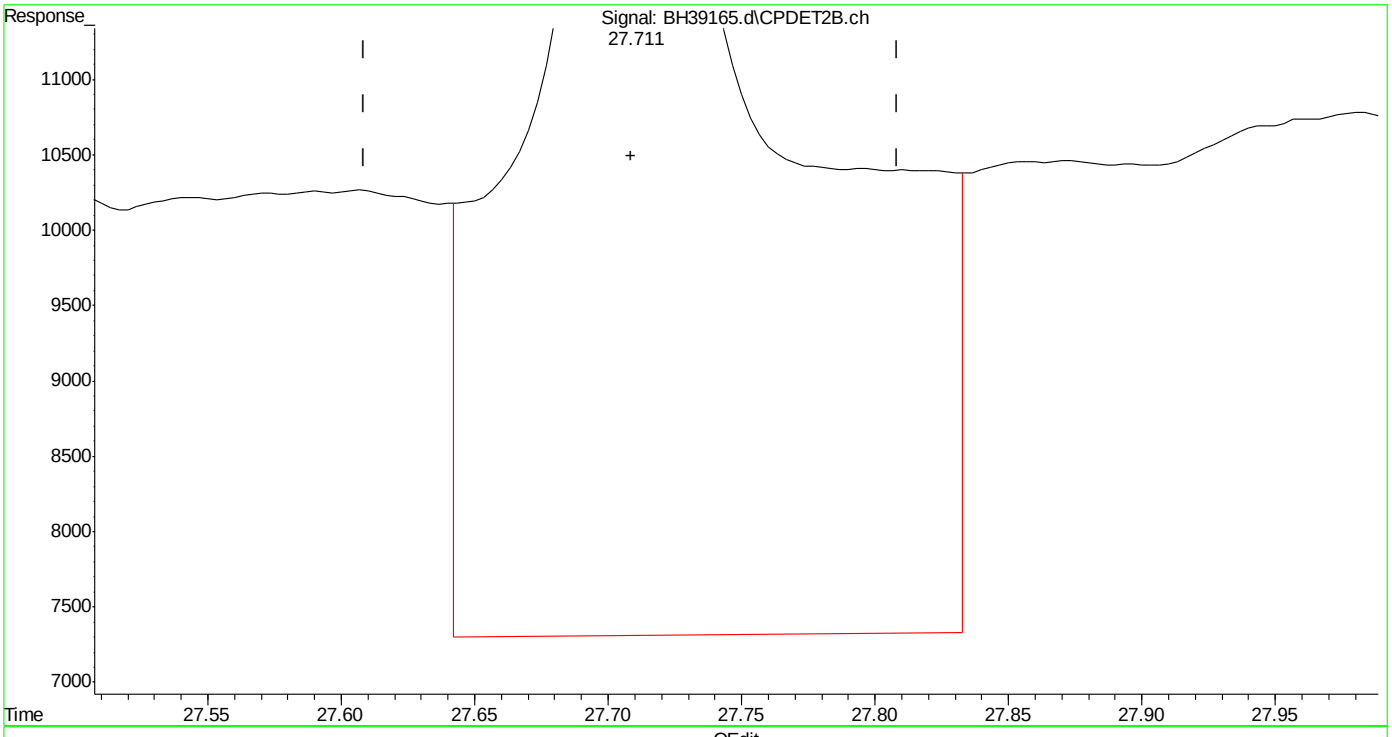
(+) = Expected Retention Time
bh160512vph.m Thu May 12 15:11:28 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.712min 0.845 ppb
response 462045

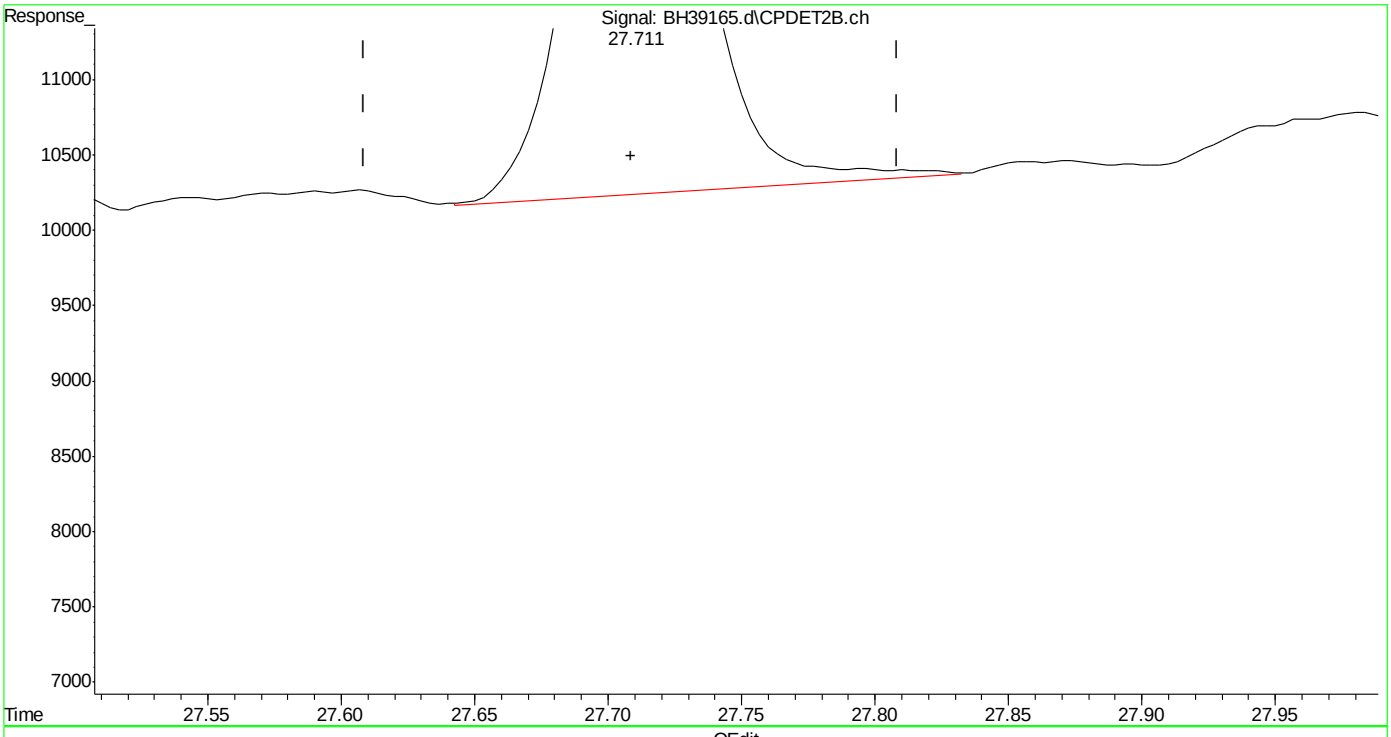
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.711min 0.227 ppb m
response 124164

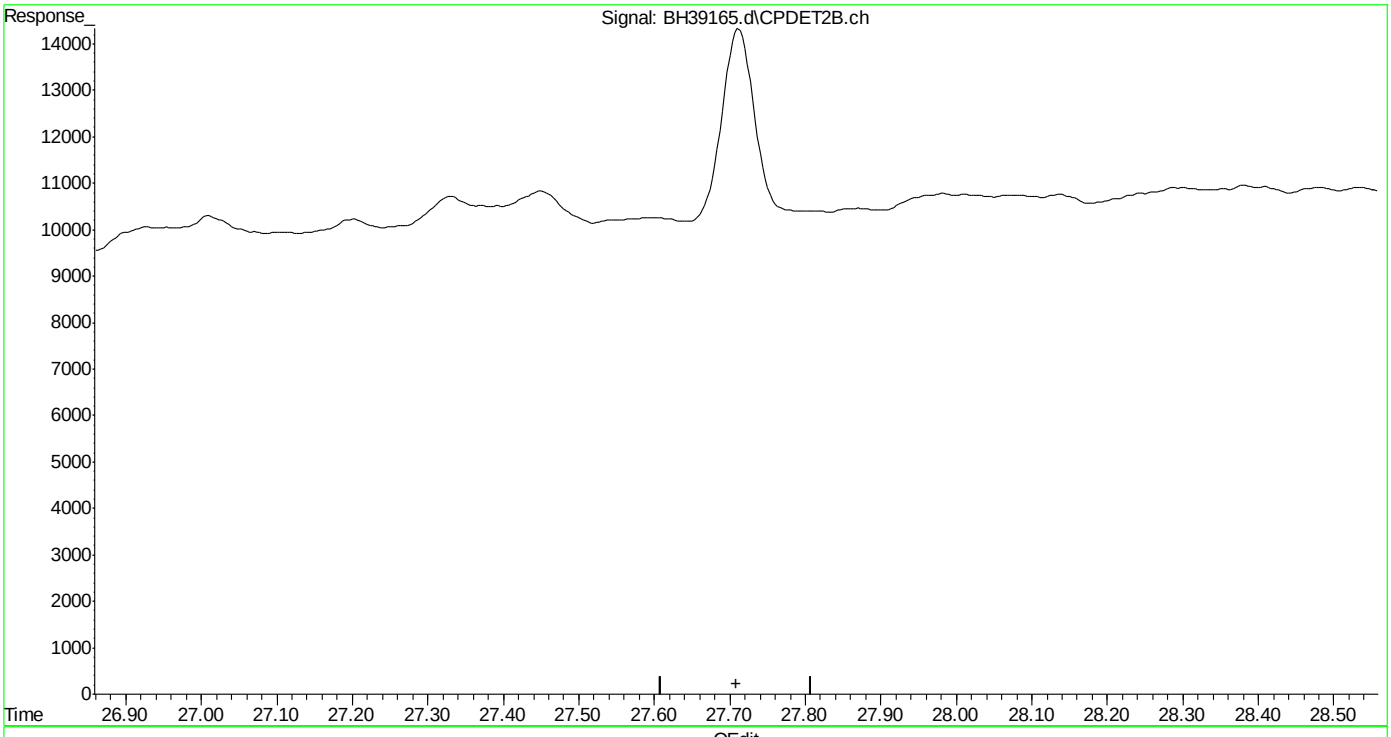
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39165.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:25 pm
Operator : danielf
Sample : mc45857-4,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 15:09:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
0.000min 0.000 ppb d
response 0

(+) = Expected Retention Time

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 14:31:32 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.669	41044510	43.712	ppb	m
Spiked Amount 50.000		Recovery = 87.42%			
6) s 2,3,4-trifluorotoluene	19.783	32691325	40.217	ppb	m
Spiked Amount 50.000		Recovery = 80.43%			
16) s fluorobenzene #2	14.670	18569219	45.690	ppb	m
Spiked Amount 50.000		Recovery = 91.38%			
18) s 2,3,4-trifluorotoluen...	19.783	10665662	41.994	ppb	m
Spiked Amount 50.000		Recovery = 83.99%			
Target Compounds					
1) h rt5.5-7	5.980	1669701	1.617	ppb	
2) h rt7/10	8.250	4399160	4.260	ppb	
3) h rt10/13	13.360	6420248	6.217	ppb	
8) h rt20/25	21.460	815397567	677.936	ppb	
17) t toluene #2	18.669	356136	0.577	ppb	m
19) t ethylbenzene #2	21.799	87428492	159.786	ppb	
20) t m,p-xylene #2	21.944	317637675	476.191	ppb	m
21) t o-xylene #2	22.753	21697169	37.271	ppb	m
24) t naphthalene #2	27.710	240342	0.440	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	3493045	5.424	ppb	

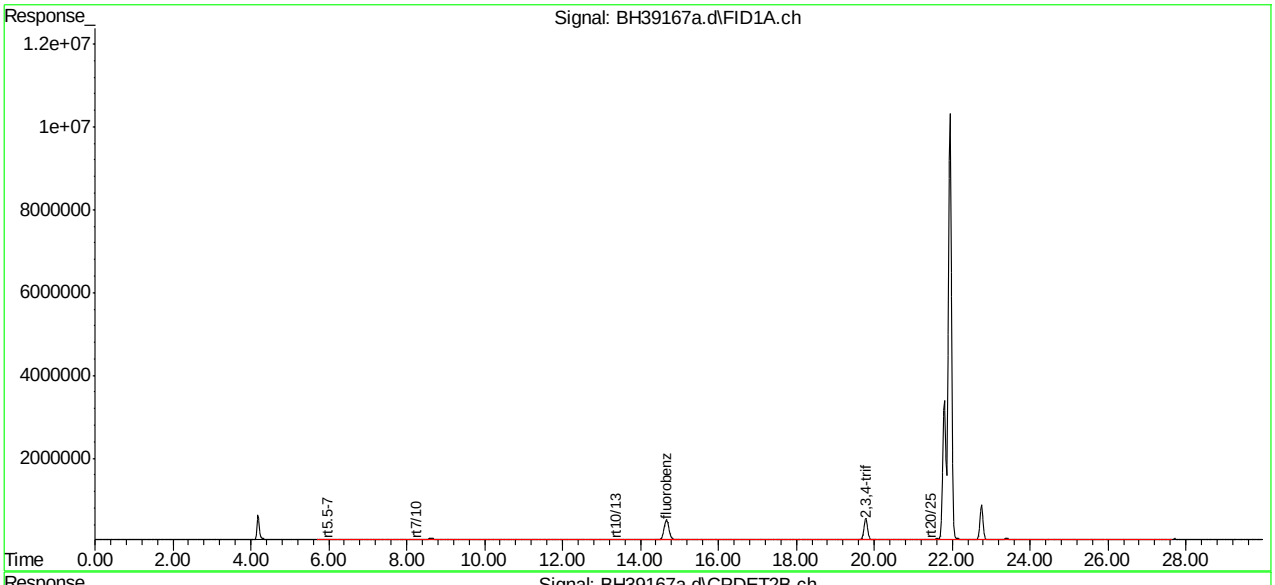
(f)=RT Delta > 1/2 Window (m)=manual int.

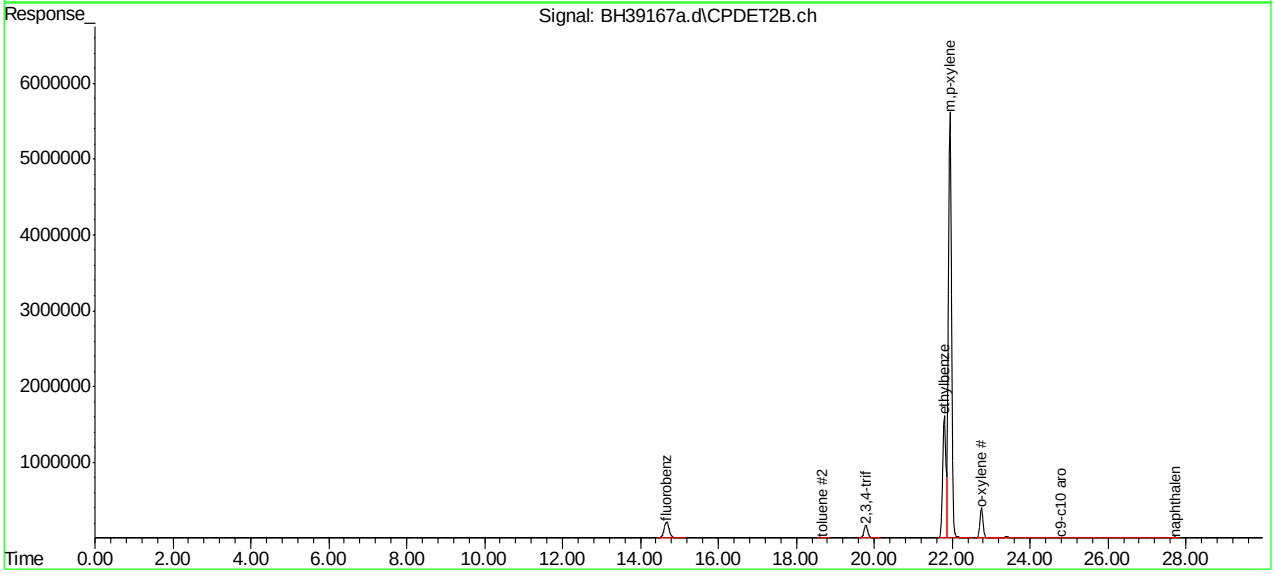
Quantitation Report (QT Reviewed)

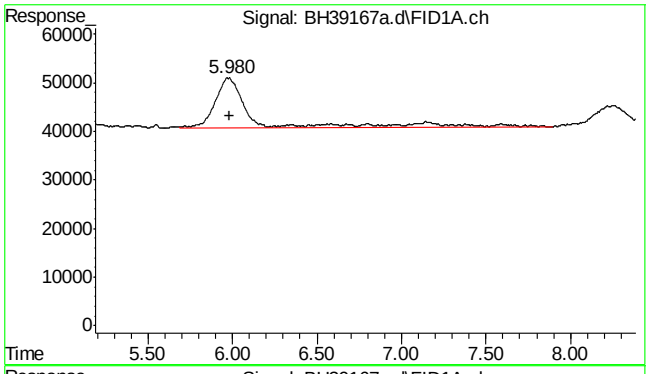
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 14:31:32 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

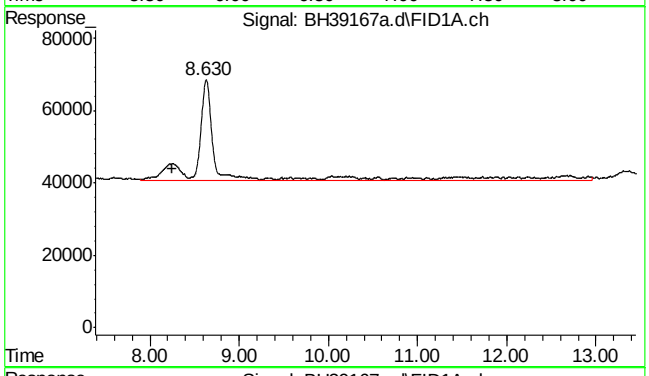






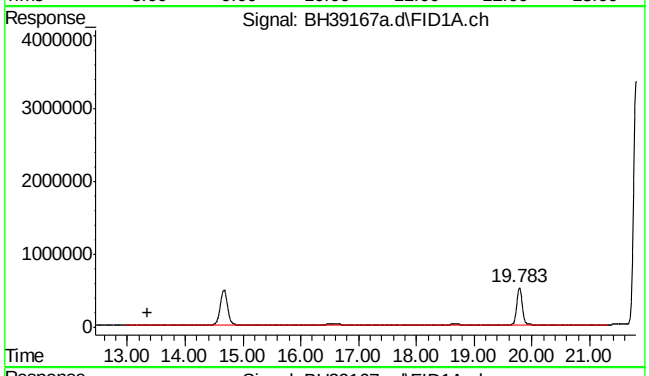
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 1669701
Conc: 1.62 ppb



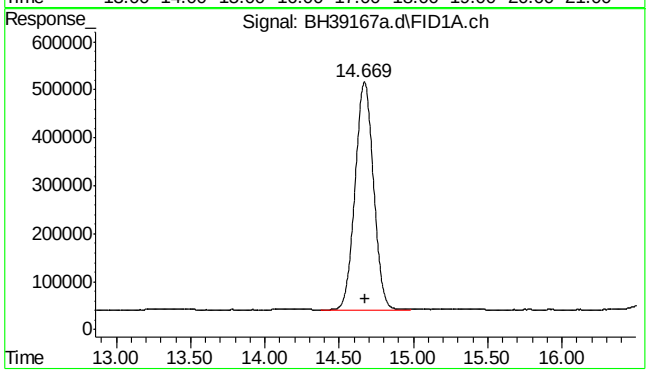
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 4399160
Conc: 4.26 ppb



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 6420248
Conc: 6.22 ppb



#4 fluorobenzene

R.T.: 14.669 min
Delta R.T.: -0.003 min
Response: 41044510
Conc: 43.71 ppb m

7.1.3

7

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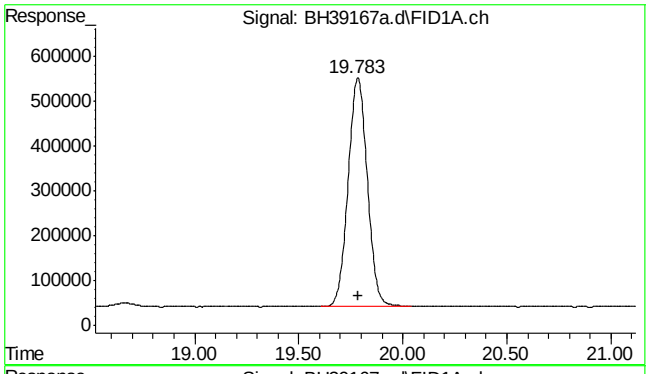
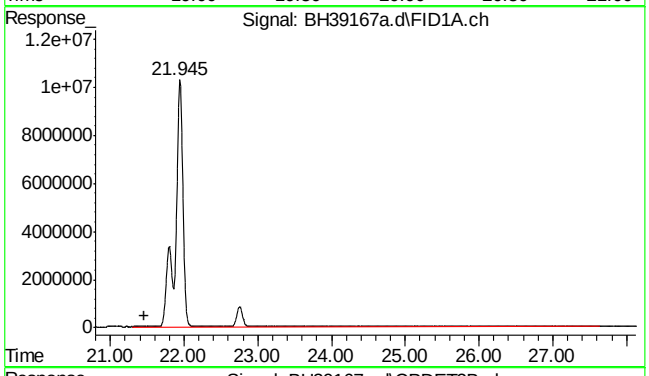


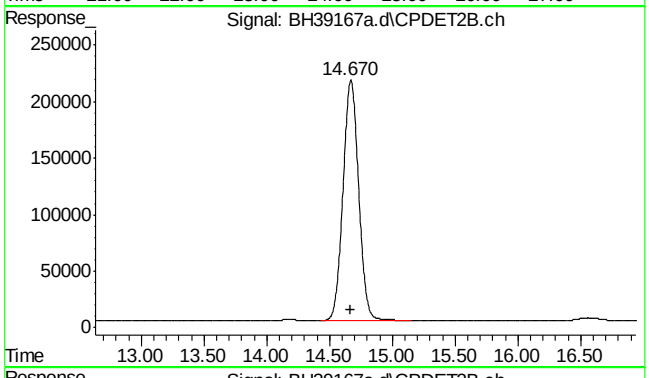
#6 2,3,4-trifluorotoluene

```
      R.T.:   19.783 min
Delta R.T.:   -0.002 min
  Response:  32691325
      Conc:  40.22 ppb m
```



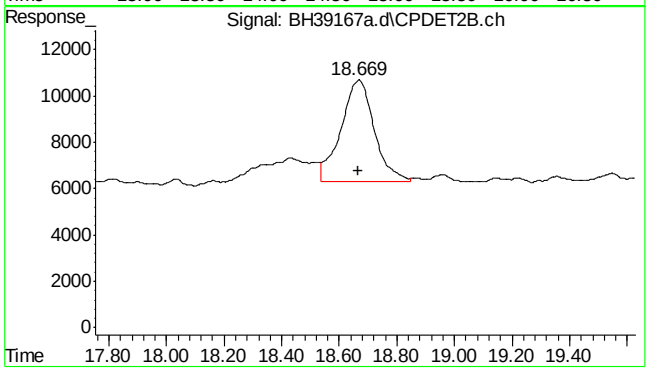
#8 rt20/25

```
      R.T.:   21.460 min
Delta R.T.:    0.000 min
  Response: 815397567
      Conc: 677.94 ppb
```



#16 fluorobenzene #2

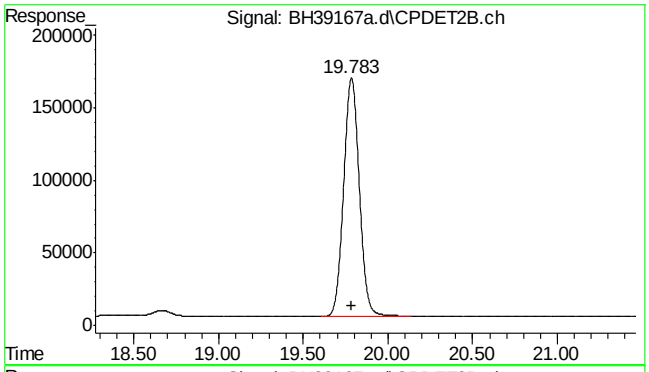
```
      R.T.:   14.670 min
Delta R.T.:   -0.002 min
  Response:  18569219
      Conc:  45.69 ppb m
```



#17 toluene #2

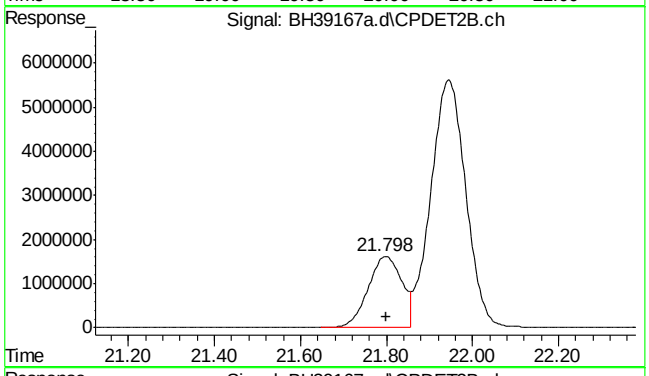
```
      R.T.:   18.669 min
Delta R.T.:    0.003 min
  Response:    356136
      Conc:   0.58 ppb m
```


SGS ACCUTEST MC45857



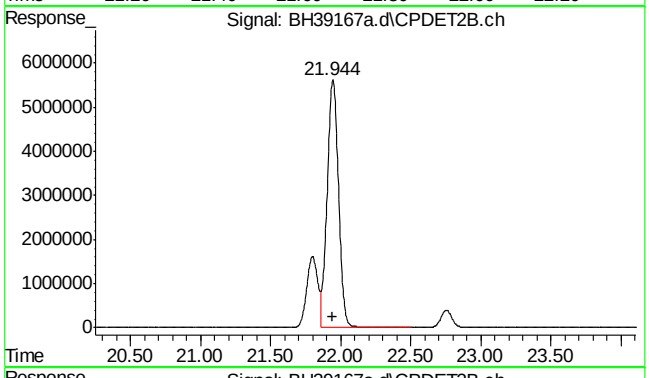
#18 2,3,4-trifluorotoluene #2

R.T.: 19.783 min
Delta R.T.: -0.002 min
Response: 10665662
Conc: 41.99 ppb m



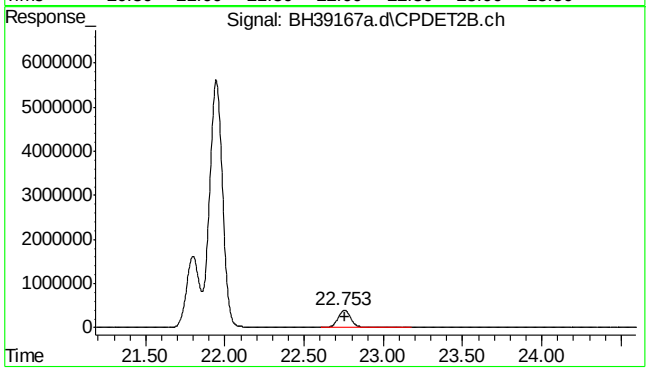
#19 ethylbenzene #2

R.T.: 21.799 min
Delta R.T.: 0.000 min
Response: 87428492
Conc: 159.79 ppb



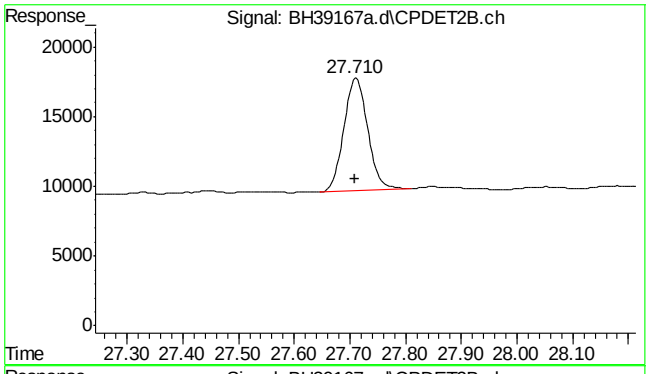
#20 m,p-xylene #2

R.T.: 21.944 min
Delta R.T.: 0.000 min
Response: 317637675
Conc: 476.19 ppb m



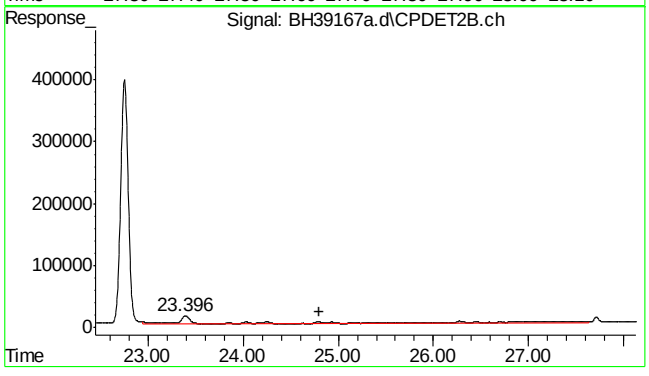
#21 o-xylene #2

R.T.: 22.753 min
Delta R.T.: -0.002 min
Response: 21697169
Conc: 37.27 ppb m



#24 naphthalene #2

```
      R.T.:   27.710 min
Delta R.T.:    0.001 min
  Response:    240342
      Conc:   0.44 ppb m
```



#25 c9-c10 arom as 1,2,4-tmb

```
      R.T.:   24.800 min
Delta R.T.:    0.000 min
  Response:   3493045
      Conc:   5.42 ppb
```

7.1.3

7

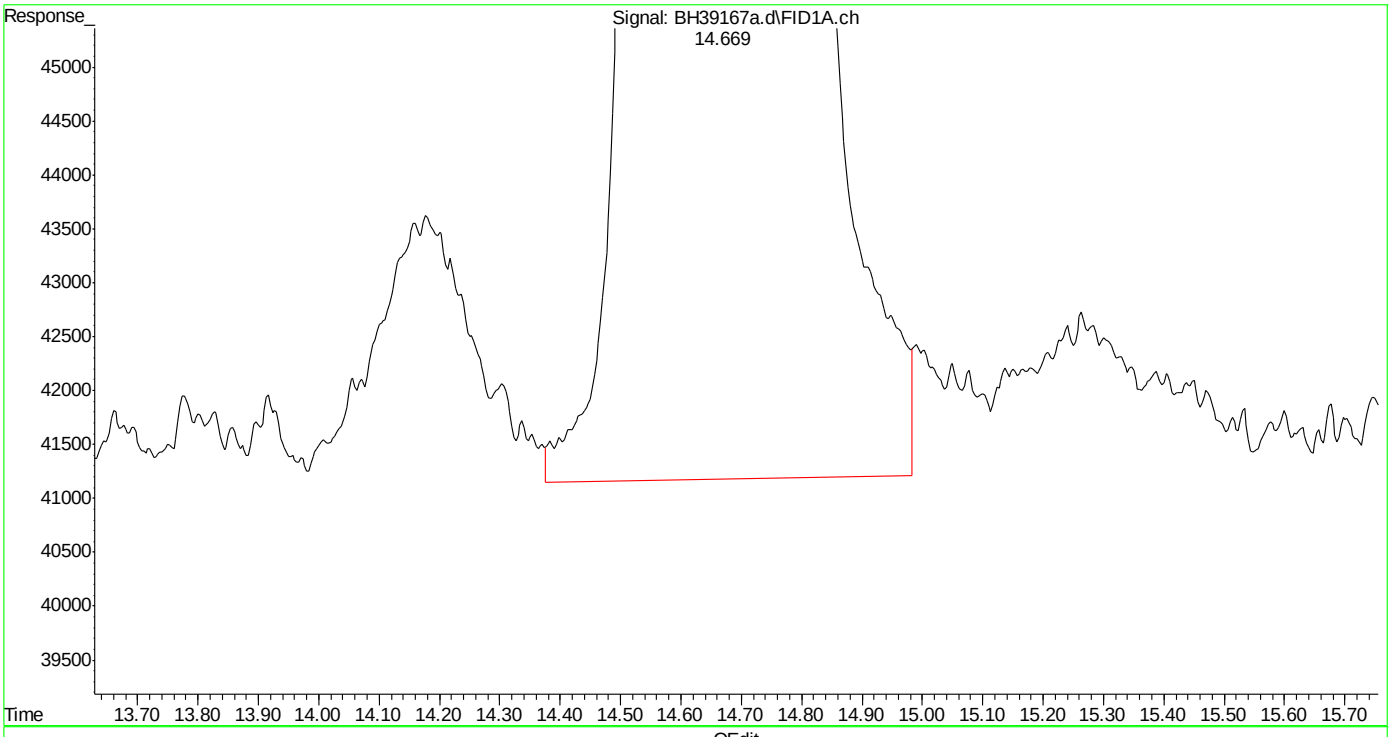
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 43.816 ppb
response 41142008

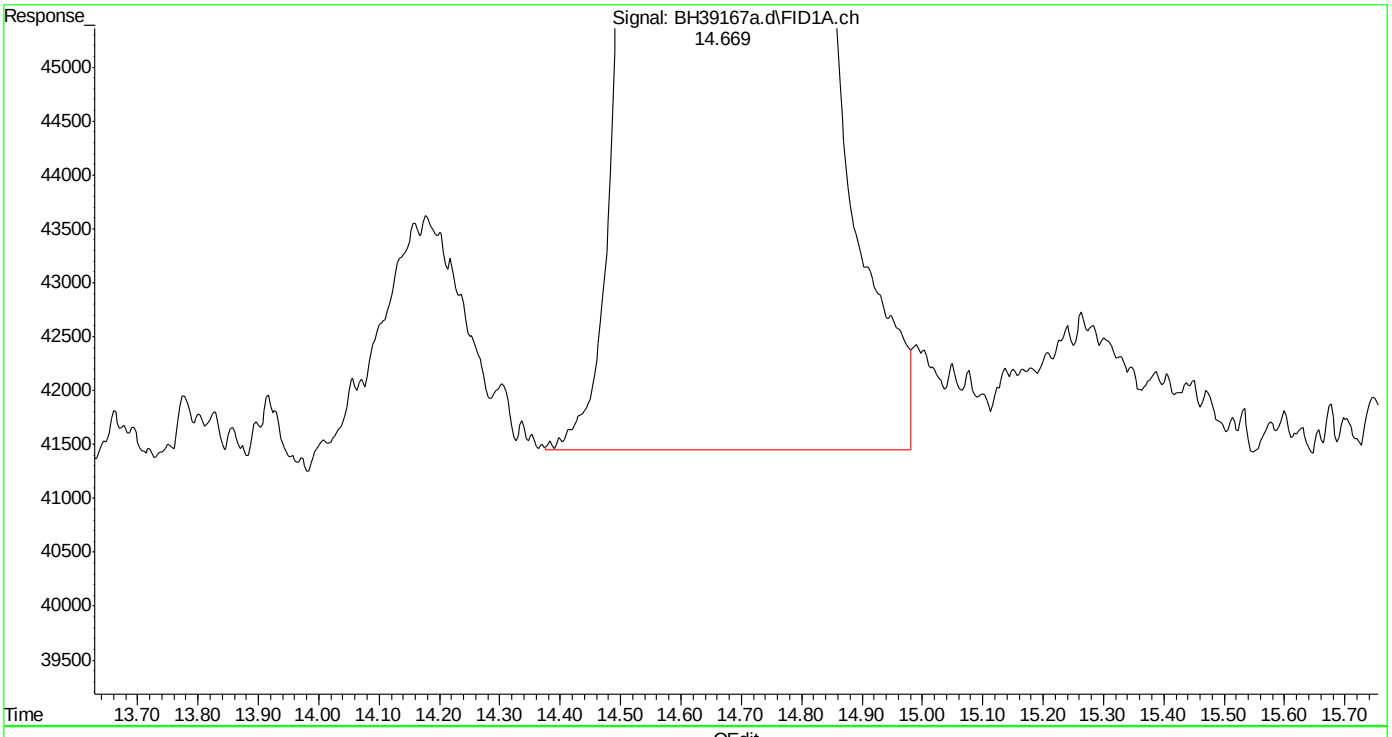
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.669min 43.712 ppb m
response 41044510

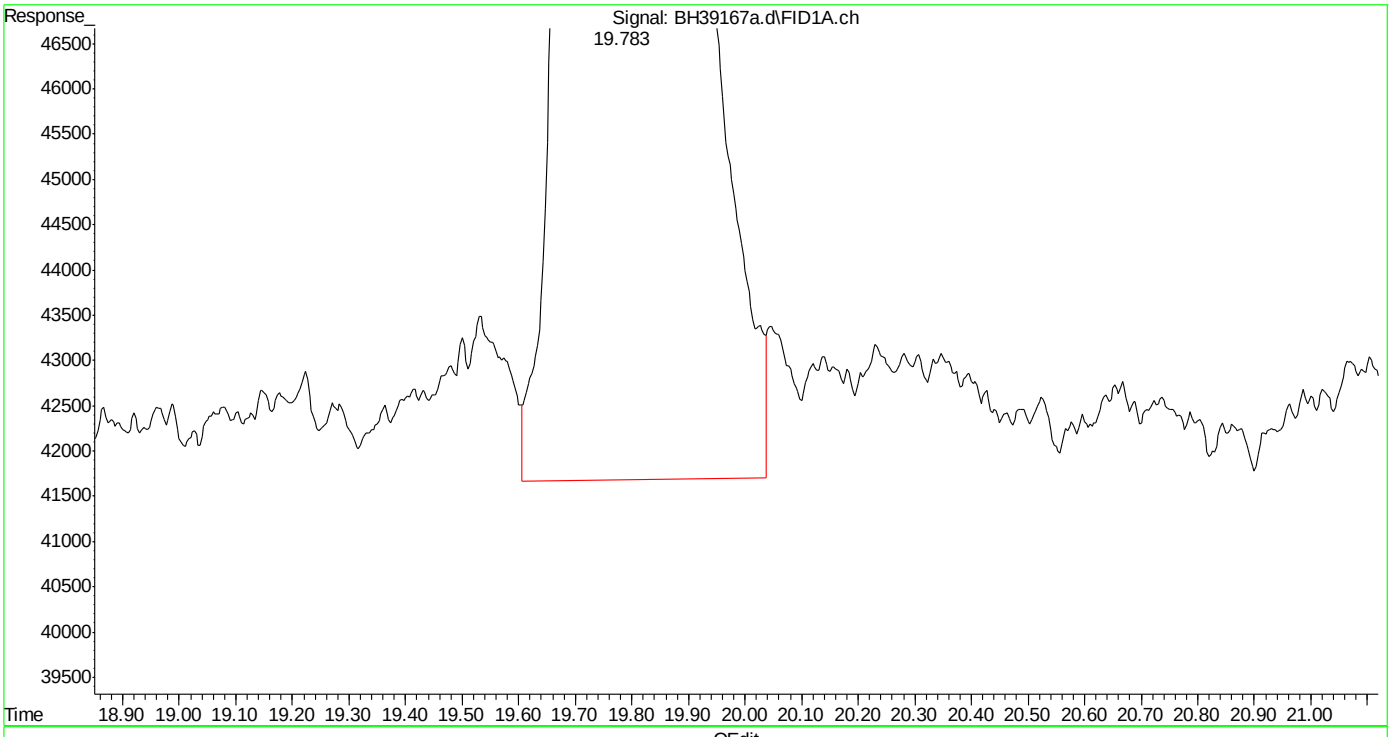
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:29:39 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 40.469 ppb
response 32896586

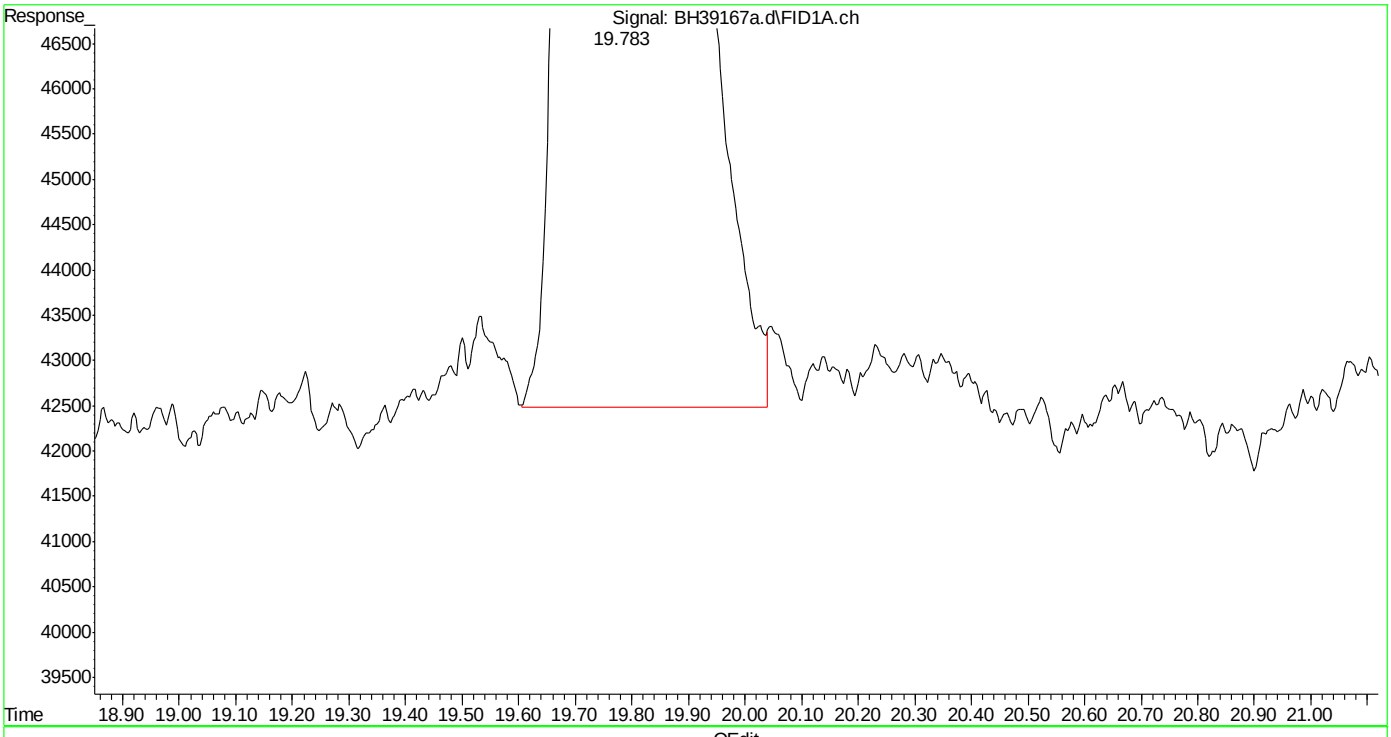
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.783min 40.217 ppb m
response 32691325

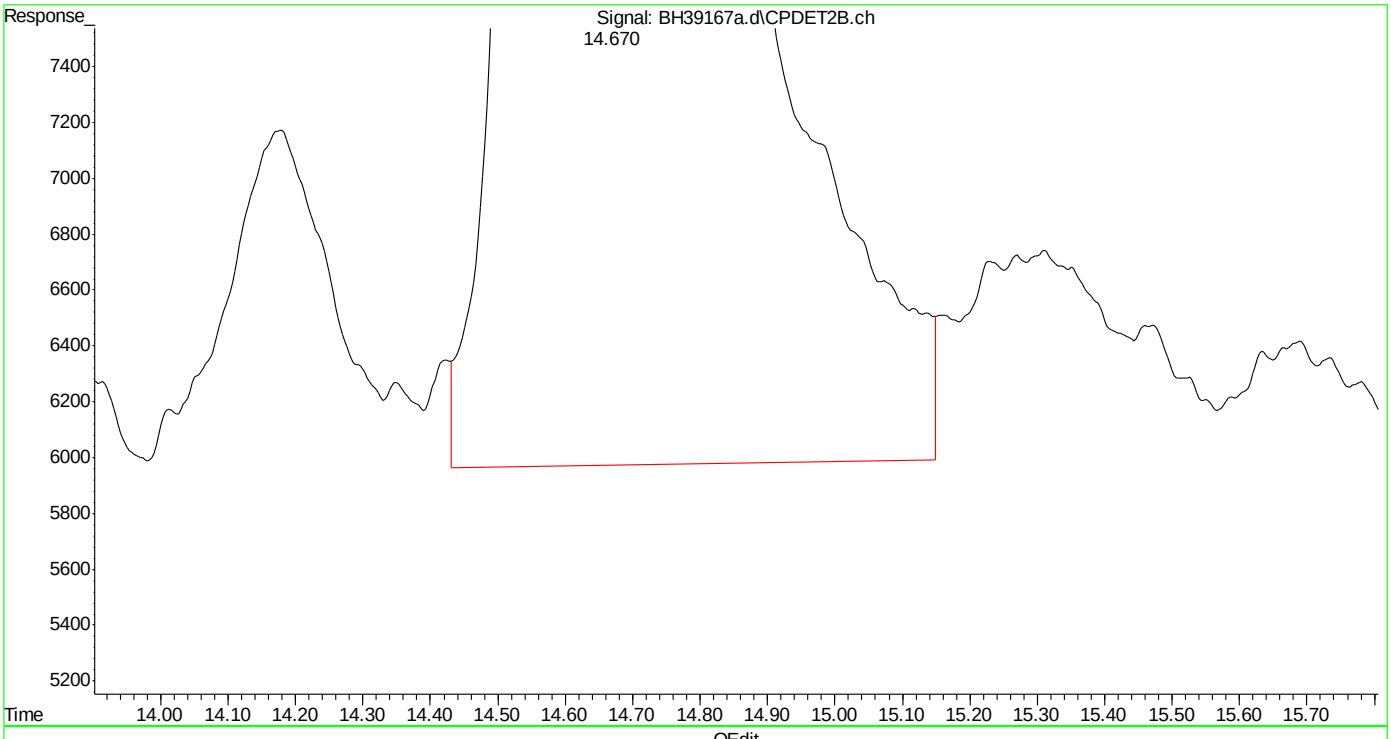
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:29:50 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 45.889 ppb
response 18649948

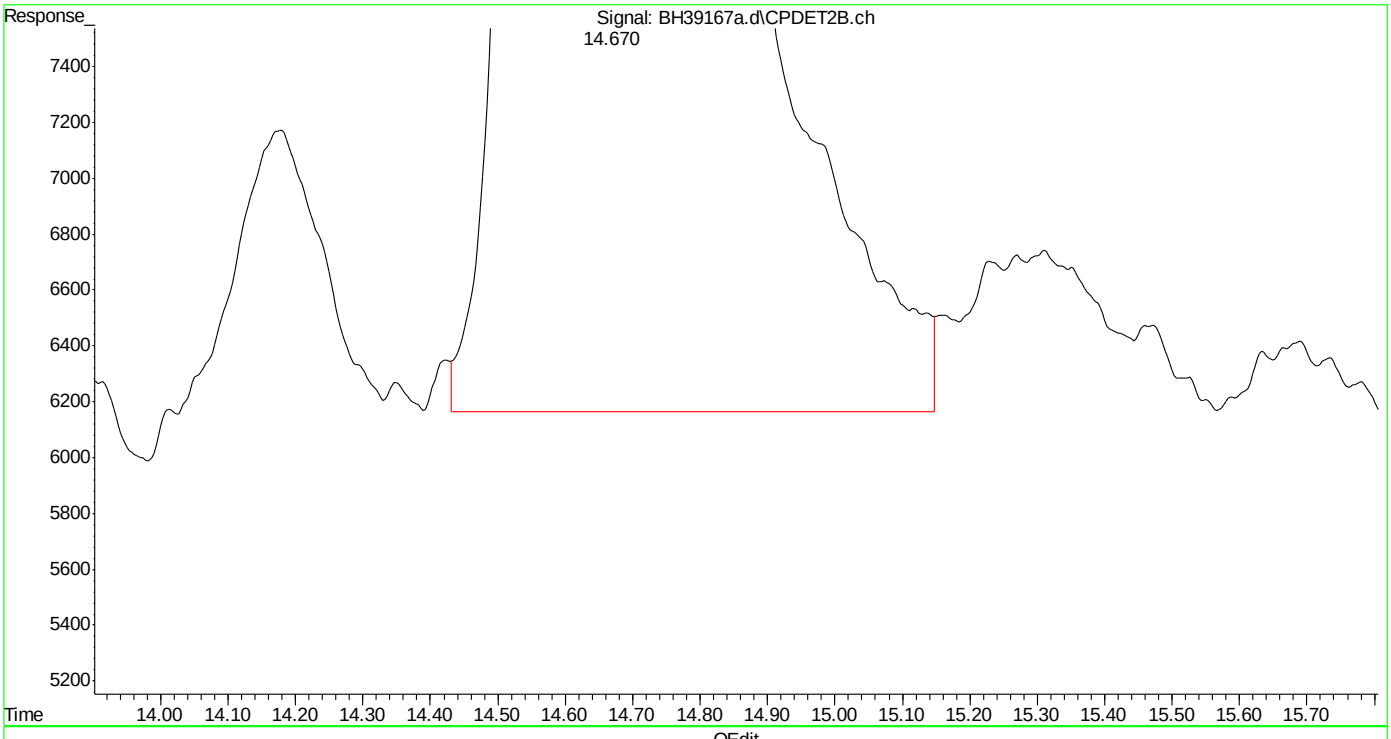
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:30:09 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.670min 45.690 ppb m
response 18569219

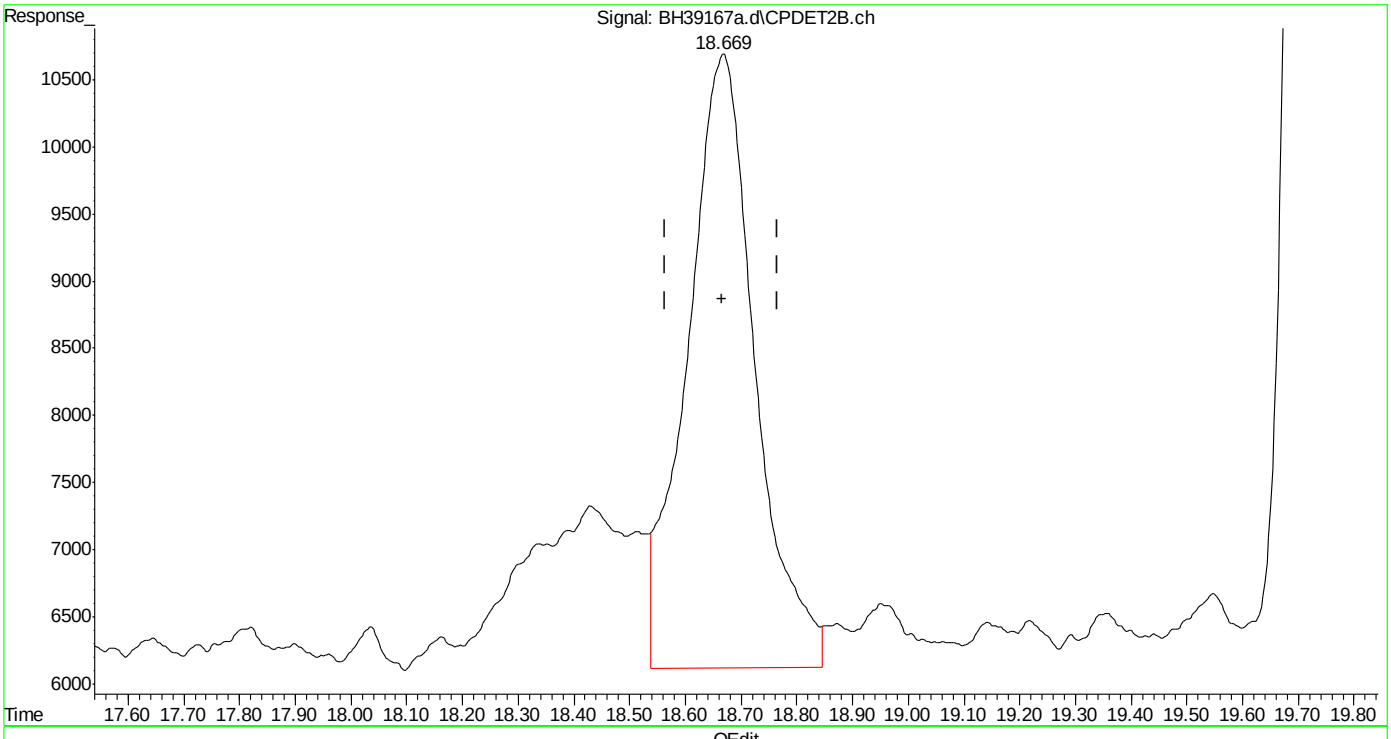
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:30:16 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.669min 0.628 ppb
response 387017

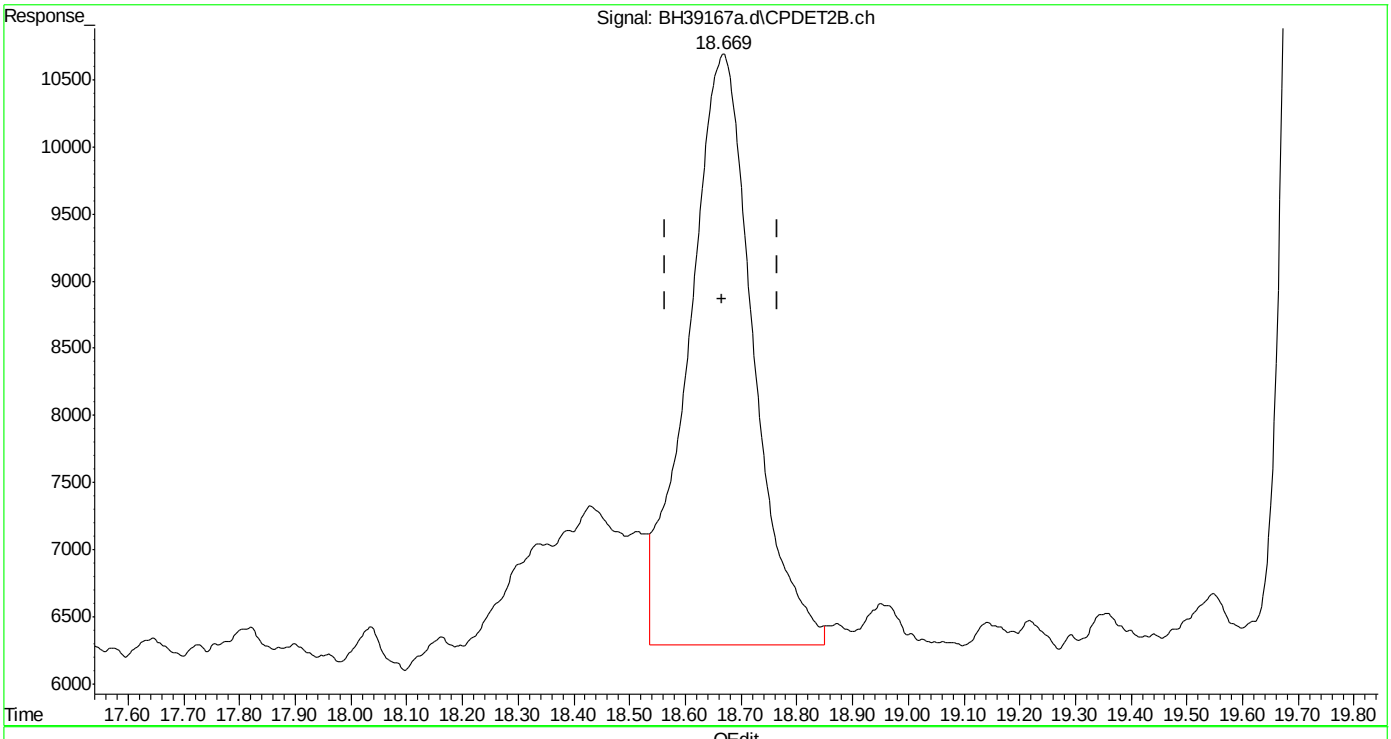
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:30:20 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.669min 0.577 ppb m
response 356136

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:30:29 2016

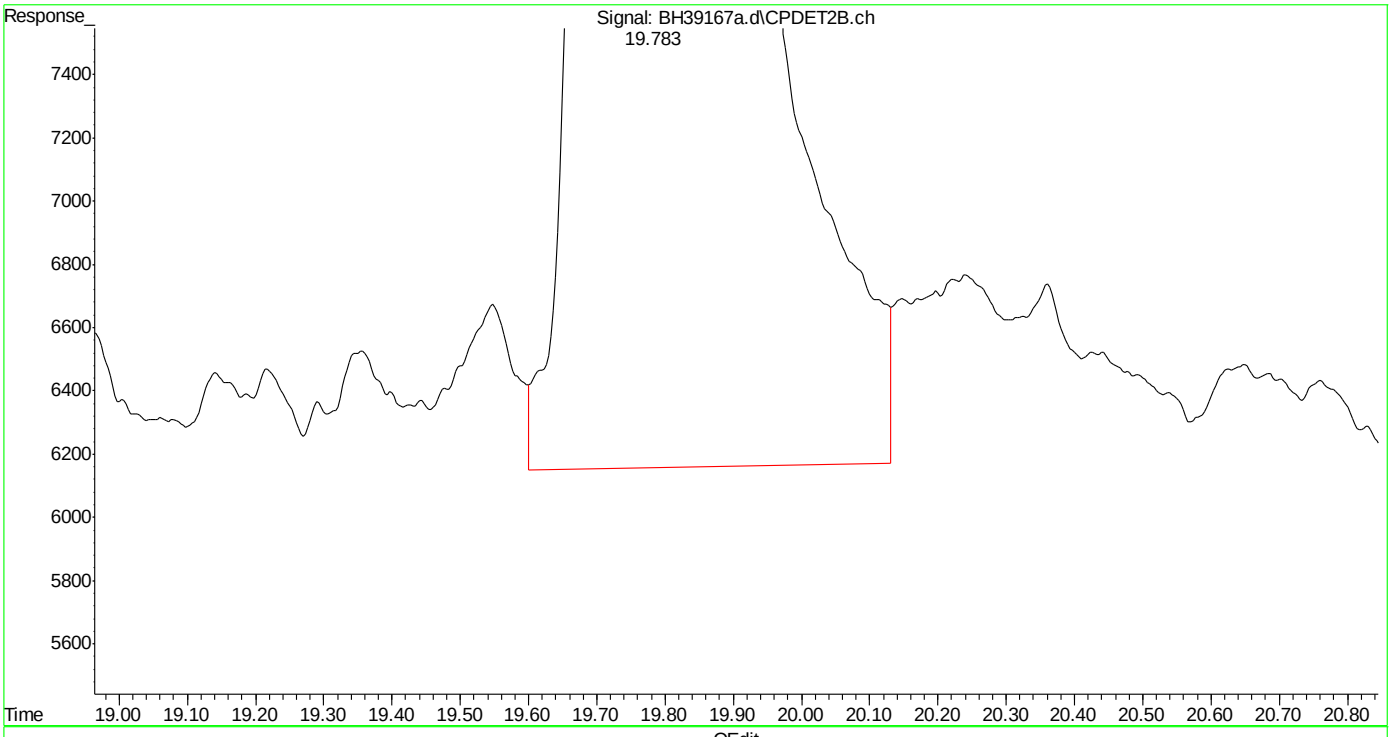
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 42.171 ppb
response 10710690

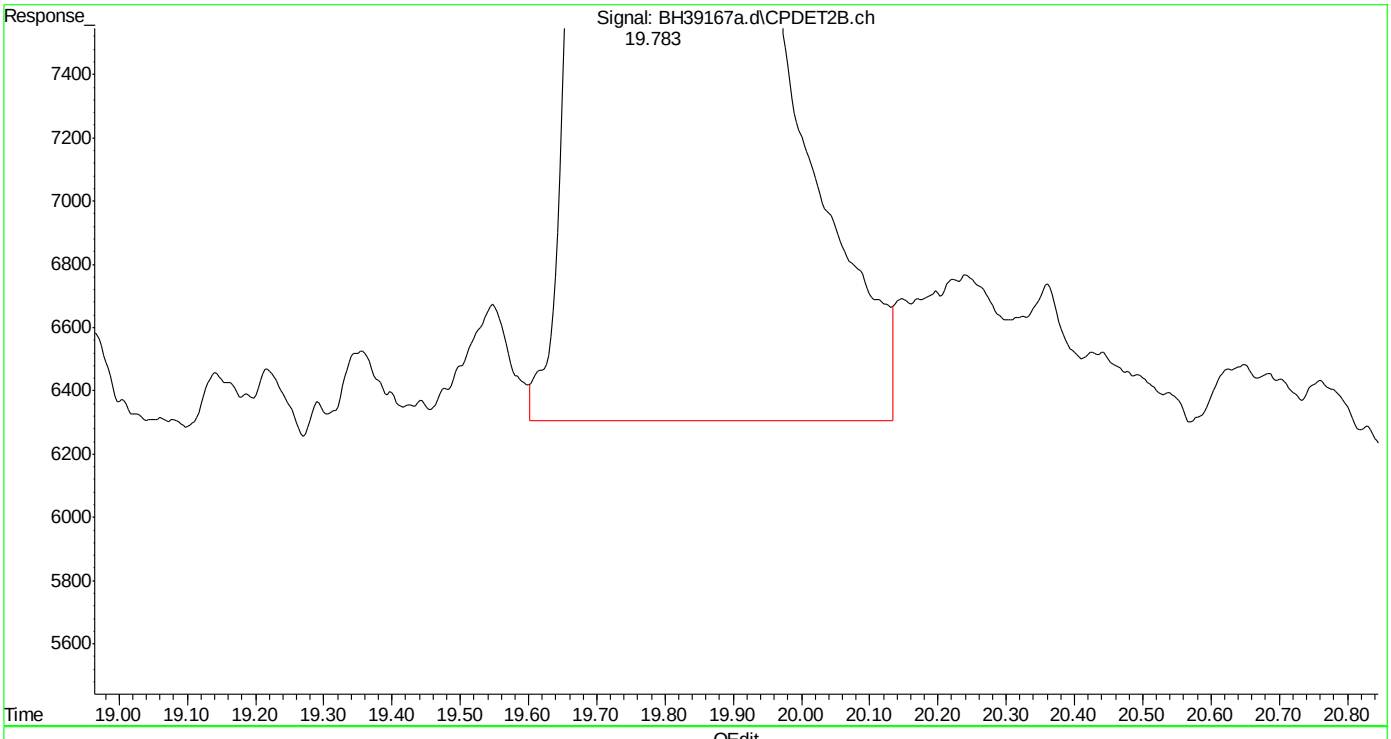
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:30:37 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.783min 41.994 ppb m
response 10665662

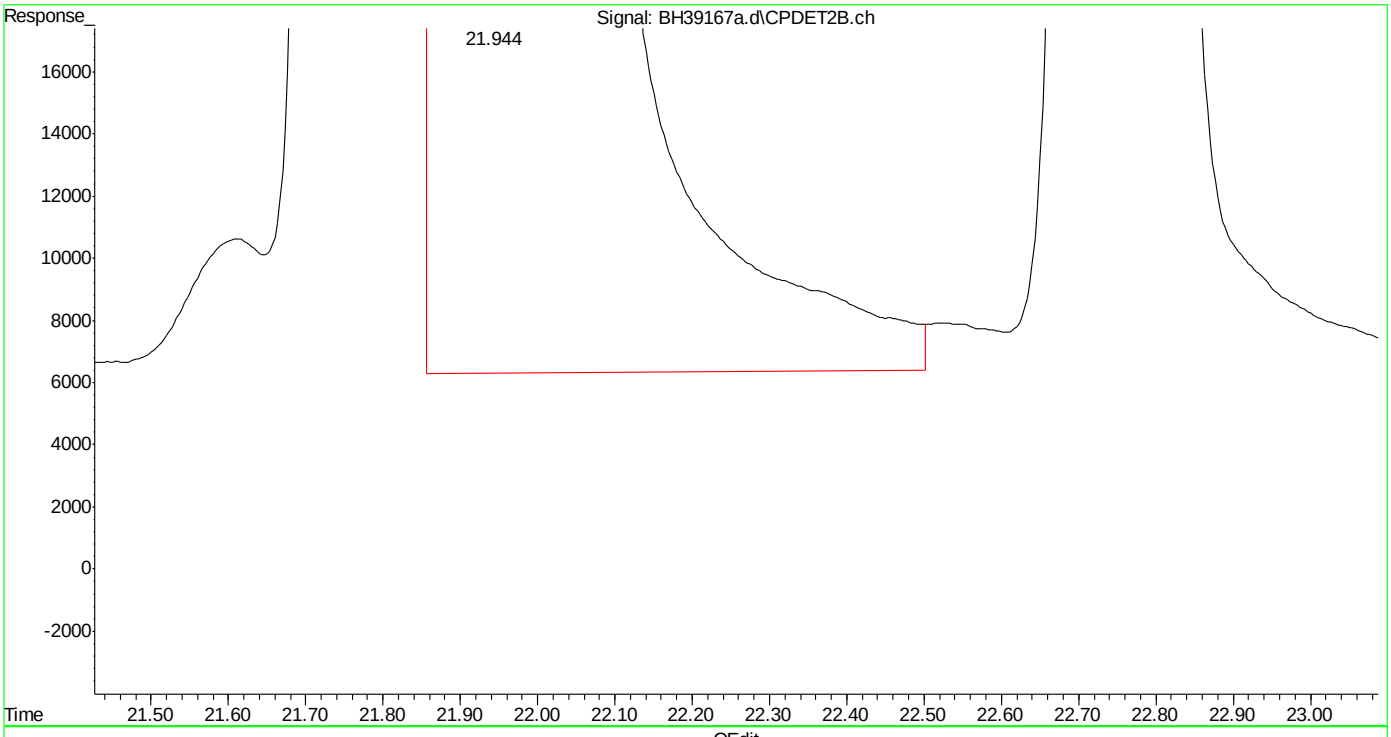
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:30:49 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.945min 478.558 ppb
response 319216333

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:30:58 2016

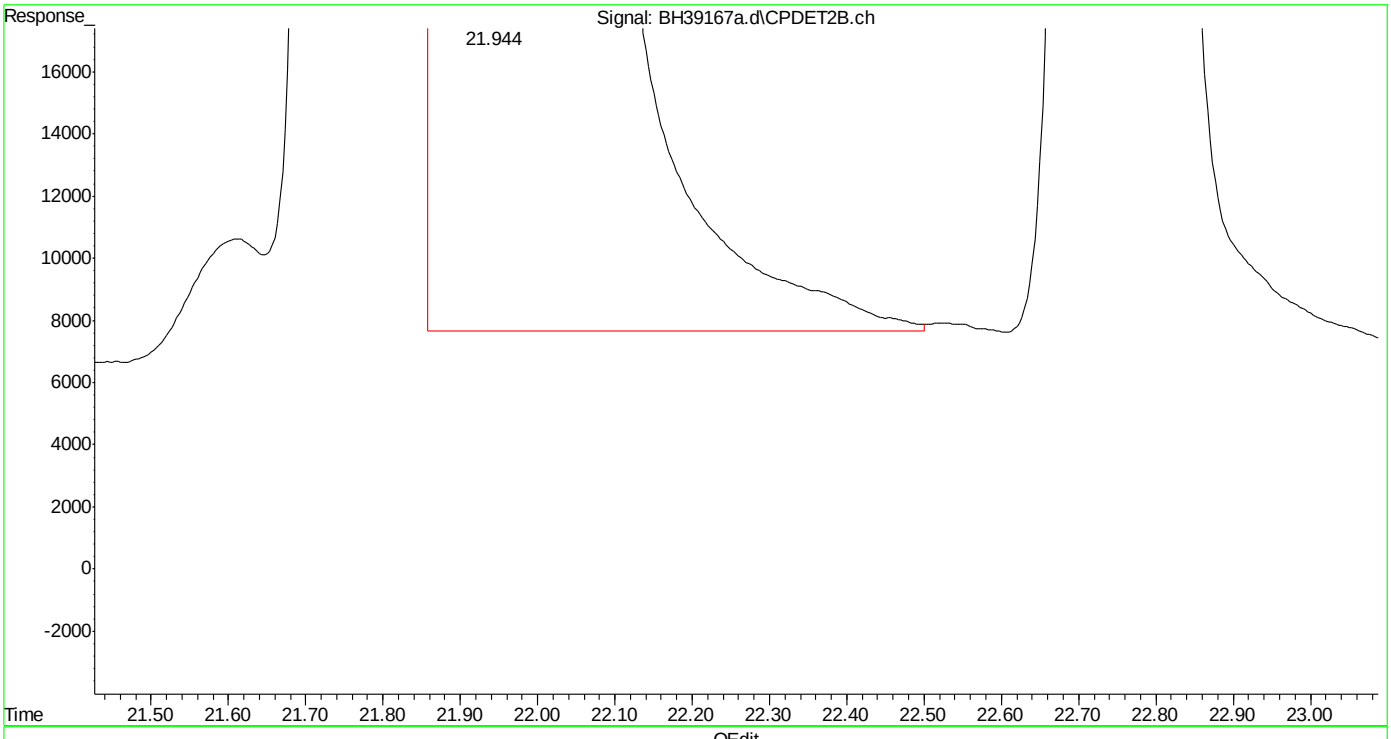
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.944min 476.191 ppb m
response 317637675

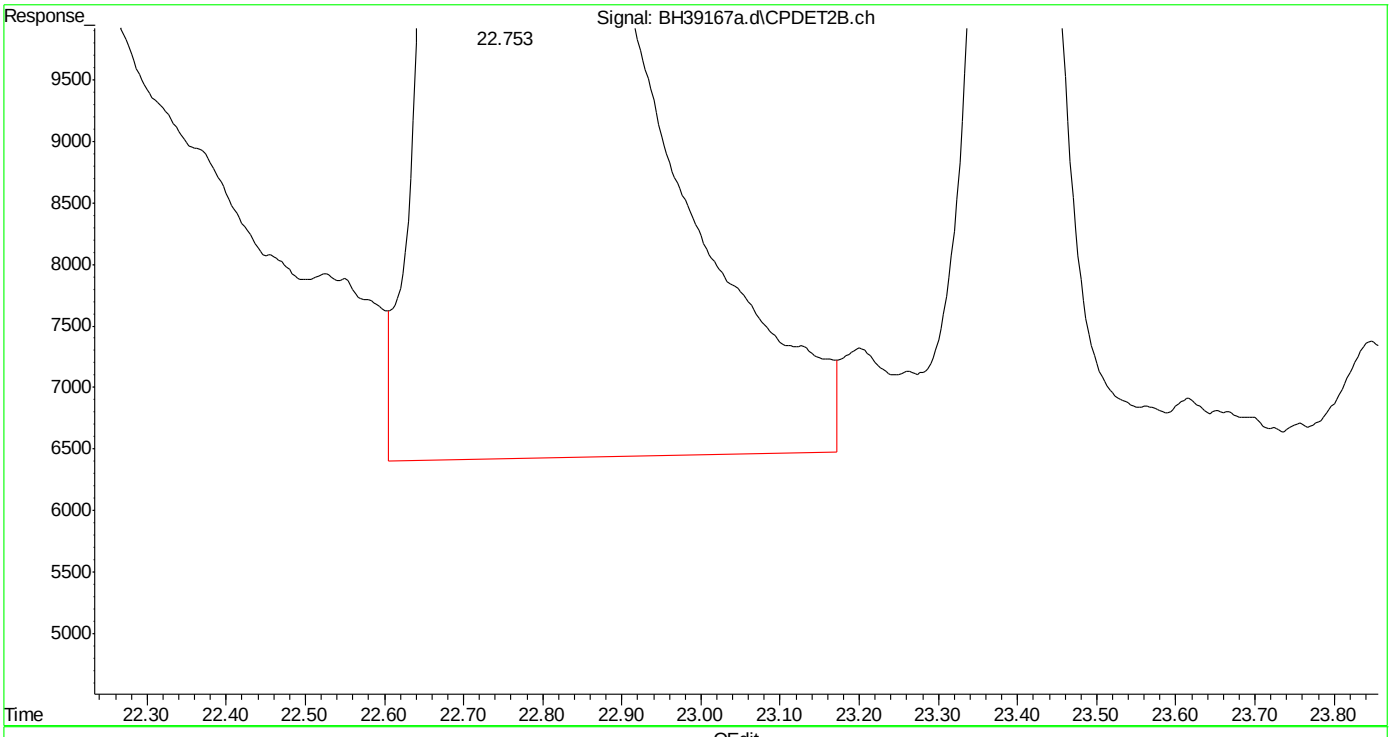
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.755min 37.650 ppb
response 21917698

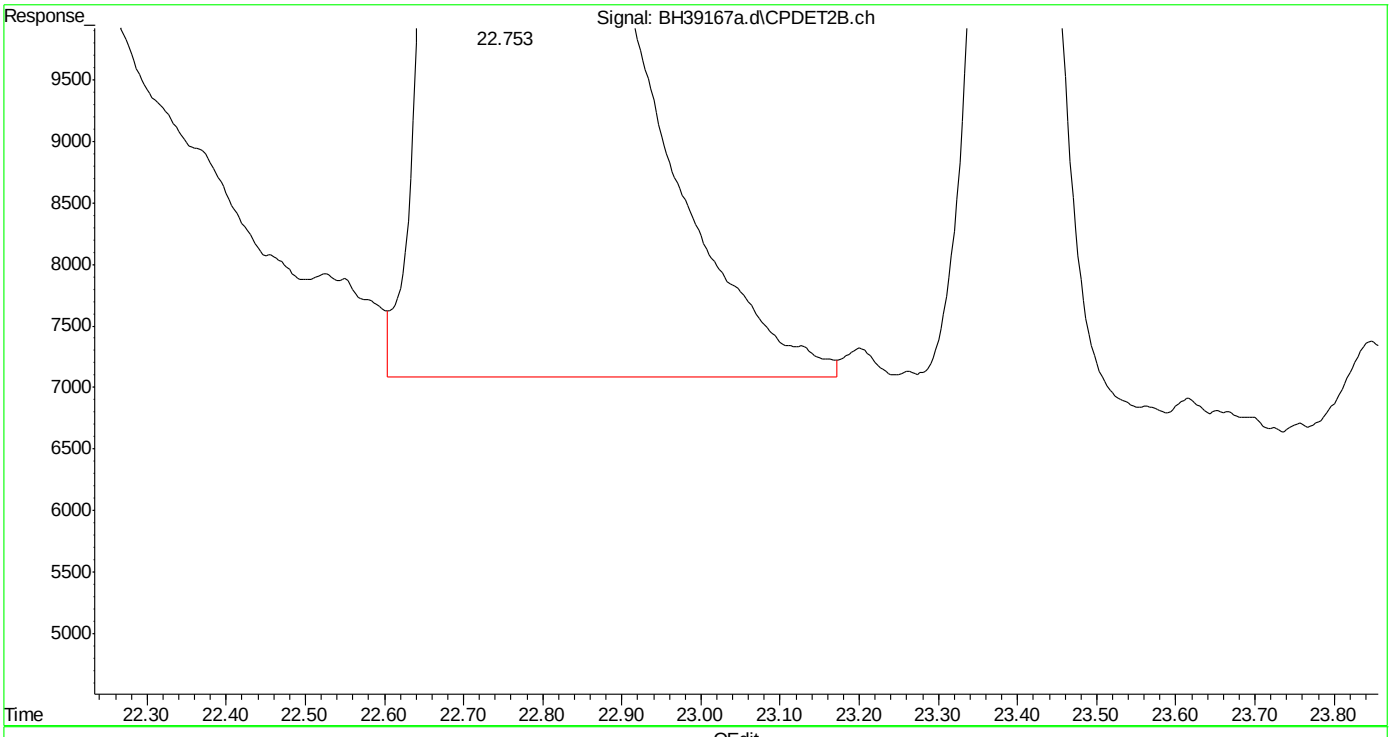
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.753min 37.271 ppb m
response 21697169

(+) = Expected Retention Time

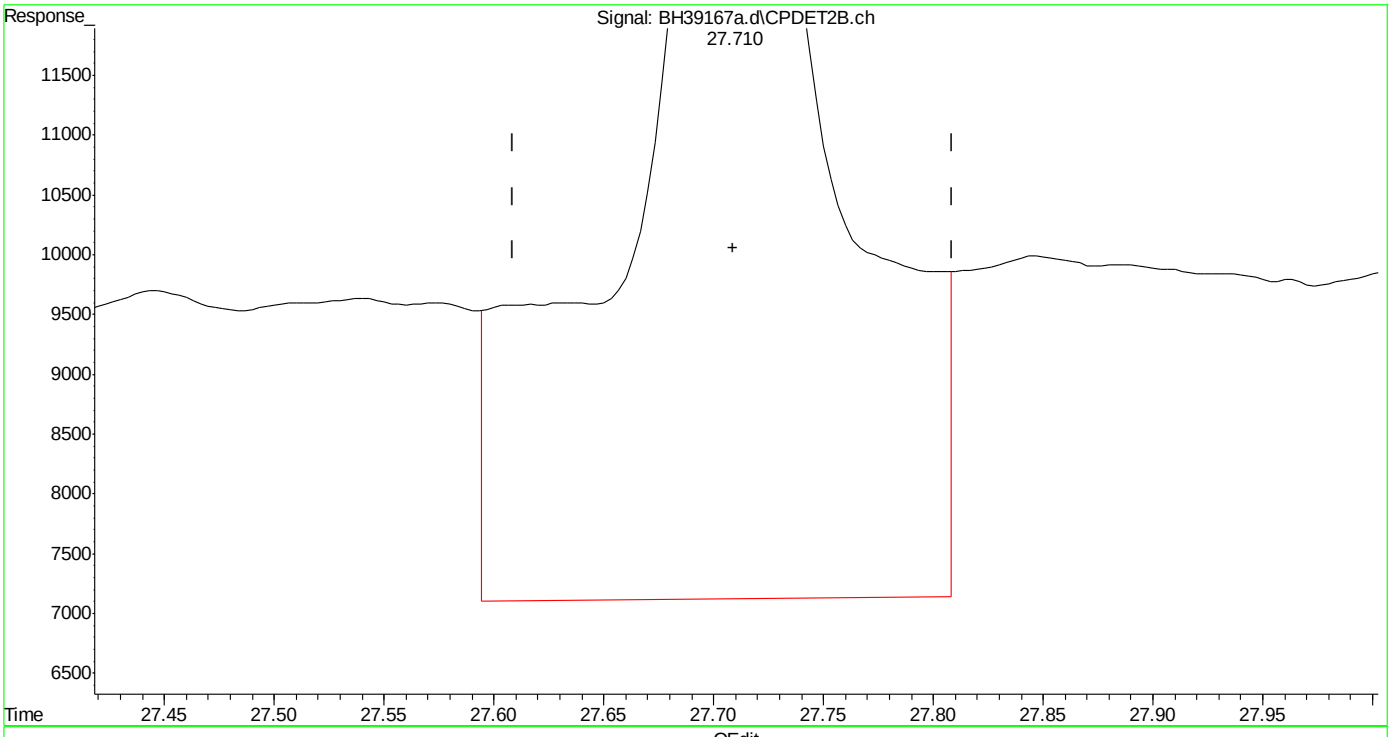
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.711min 1.041 ppb
response 569102

(+) = Expected Retention Time

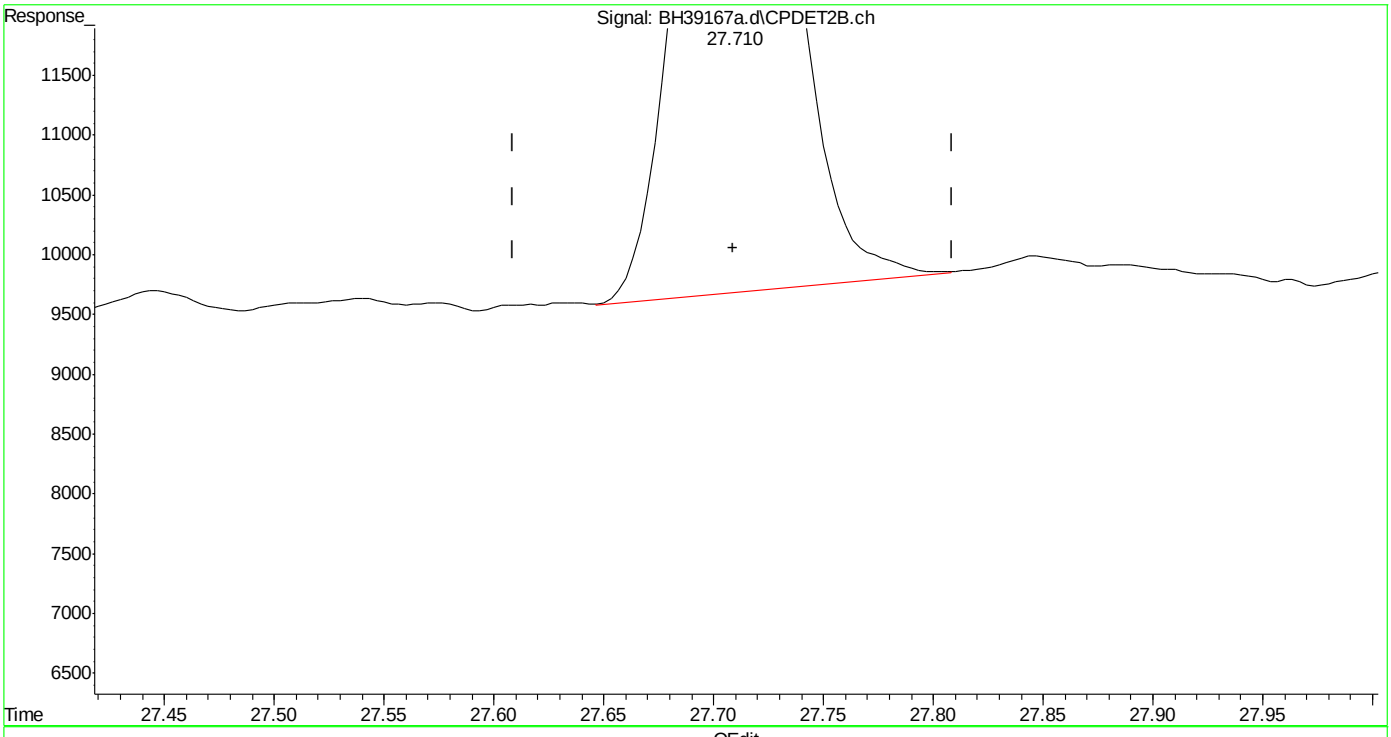
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167a.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:09 pm
Operator : danielf
Sample : mc45857-4,1:10,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,10
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 0.440 ppb m
response 240342

(+) = Expected Retention Time

bh160512vph.m Fri May 13 14:31:34 2016 Page: 1

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 14:33:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.669	42102127	44.838	ppb	m
Spiked Amount 50.000		Recovery = 89.68%			
6) s 2,3,4-trifluorotoluene	19.783	33965987	41.785	ppb	m
Spiked Amount 50.000		Recovery = 83.57%			
16) s fluorobenzene #2	14.670	18927623	46.572	ppb	m
Spiked Amount 50.000		Recovery = 93.14%			
18) s 2,3,4-trifluorotoluen...	19.784	10994476	43.289	ppb	m
Spiked Amount 50.000		Recovery = 86.58%			
Target Compounds					
1) h rt5.5-7	5.980	1888861	1.829	ppb	
2) h rt7/10	8.250	4048595	3.920	ppb	
3) h rt10/13	13.360	10724041	10.384	ppb	
8) h rt20/25	21.460	24590937	20.445	ppb	
14) t mtbe #2	9.025	483293	1.719	ppb	m
17) t toluene #2	18.661	201791	0.327	ppb	m
19) t ethylbenzene #2	21.798	516195	0.943	ppb	
20) t m,p-xylene #2	21.943	1242696	1.863	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	5480576	8.510	ppb	

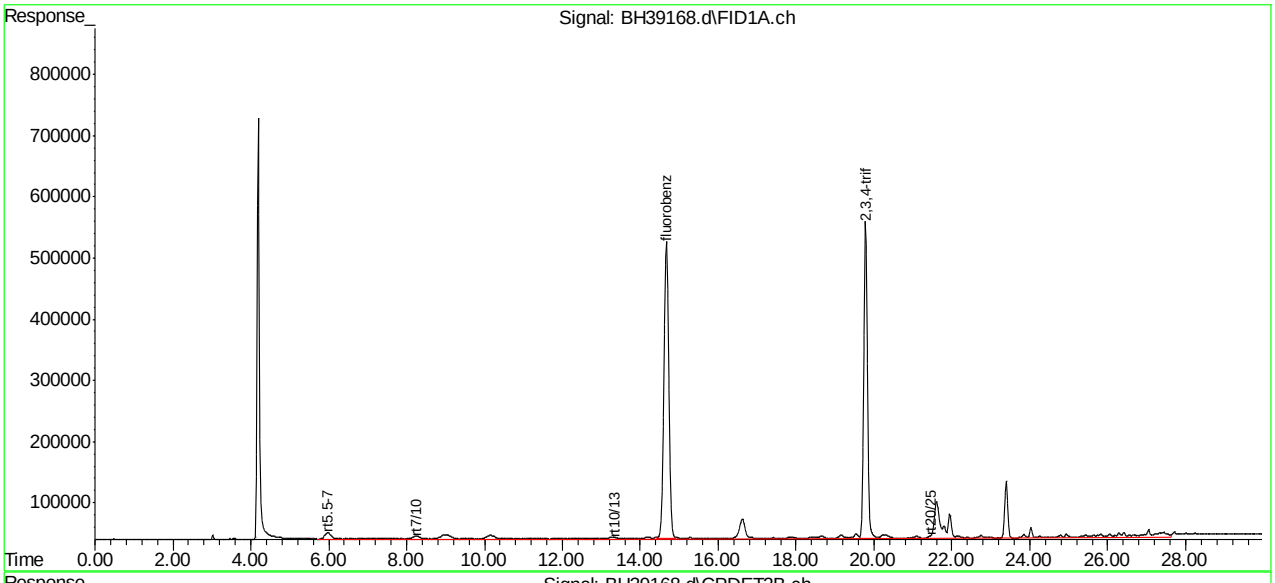
(f)=RT Delta > 1/2 Window (m)=manual int.

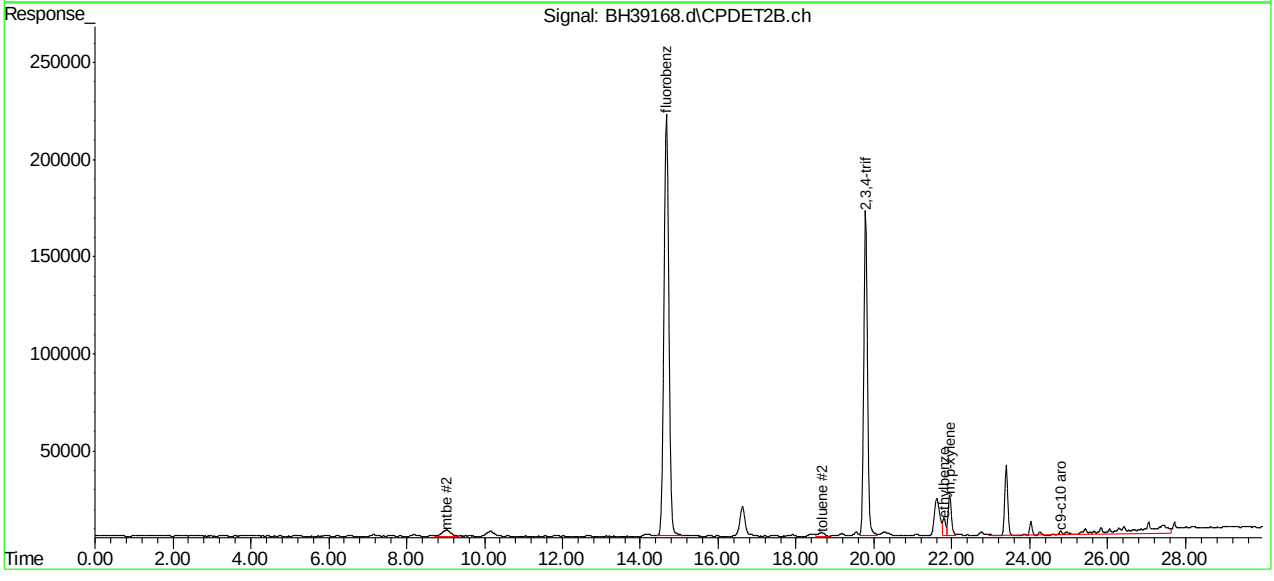
Quantitation Report (QT Reviewed)

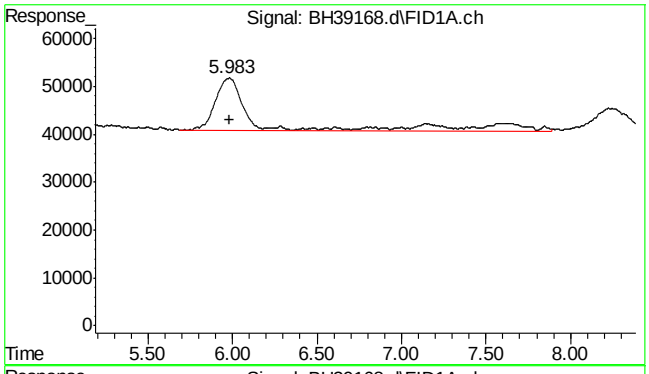
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 14:33:56 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

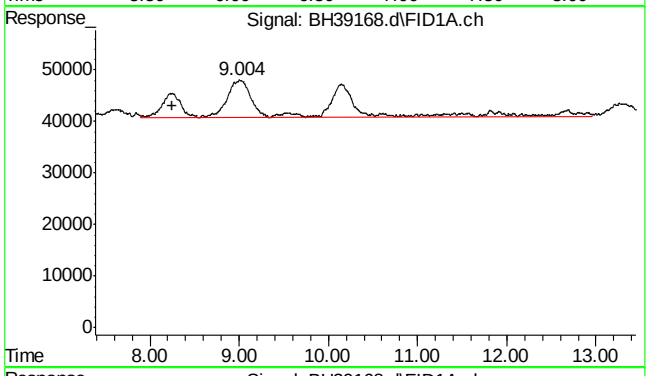






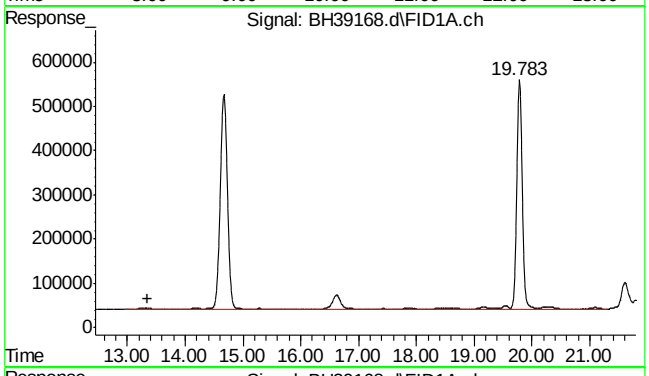
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 1888861
Conc: 1.83 ppb



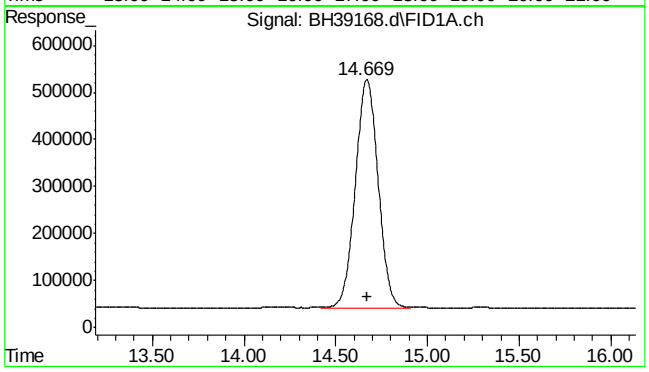
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 4048595
Conc: 3.92 ppb



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 10724041
Conc: 10.38 ppb



#4 fluorobenzene

R.T.: 14.669 min
Delta R.T.: -0.002 min
Response: 42102127
Conc: 44.84 ppb m

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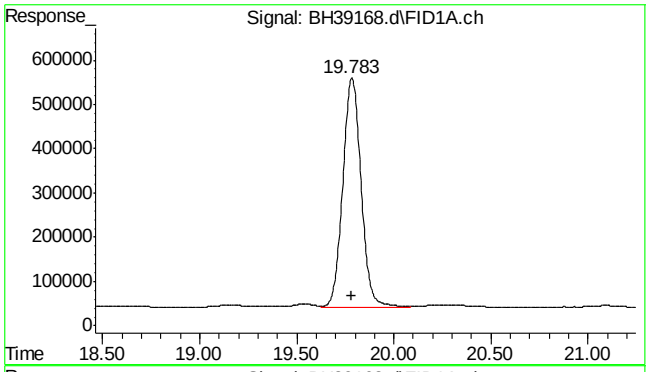
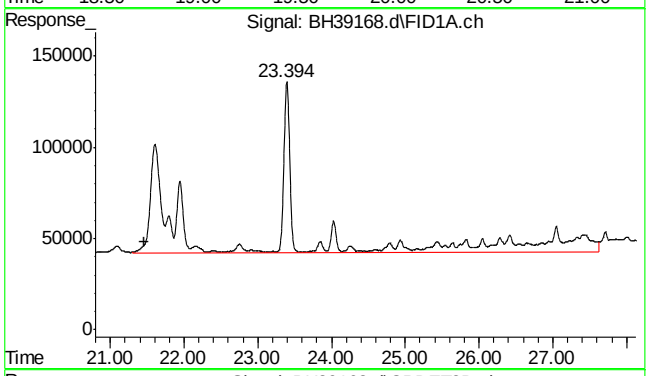


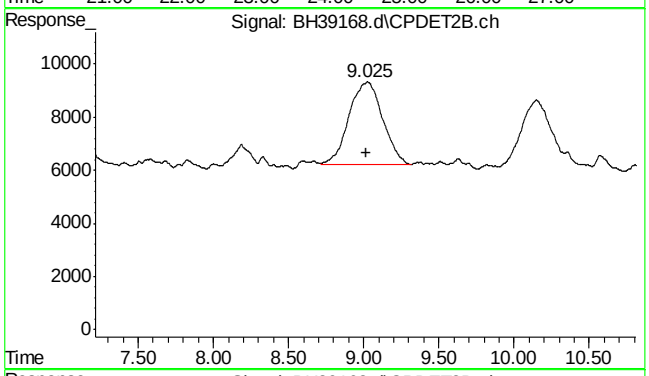
#6 2,3,4-trifluorotoluene

R.T.: 19.783 min
Delta R.T.: -0.002 min
Response: 33965987
Conc: 41.78 ppb m



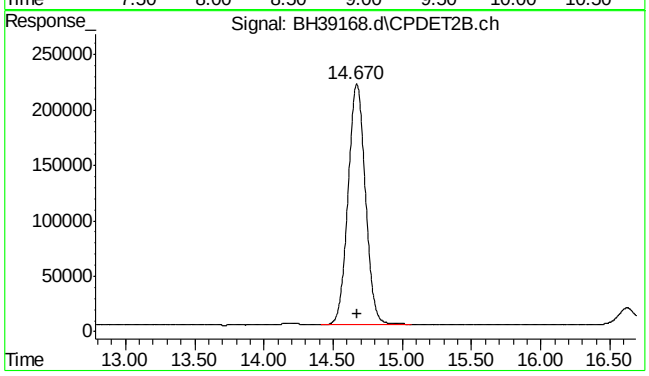
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 24590937
Conc: 20.45 ppb



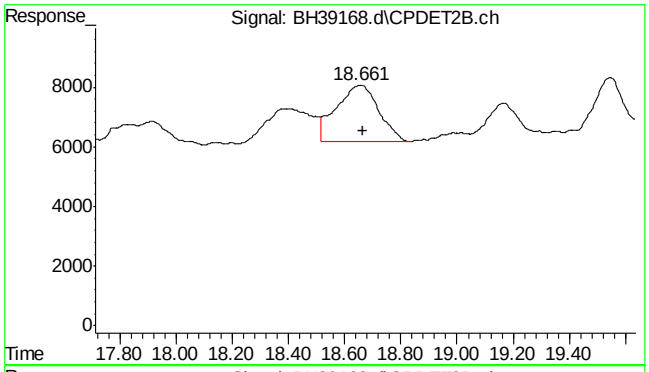
#14 mtbe #2

R.T.: 9.025 min
Delta R.T.: 0.009 min
Response: 483293
Conc: 1.72 ppb m



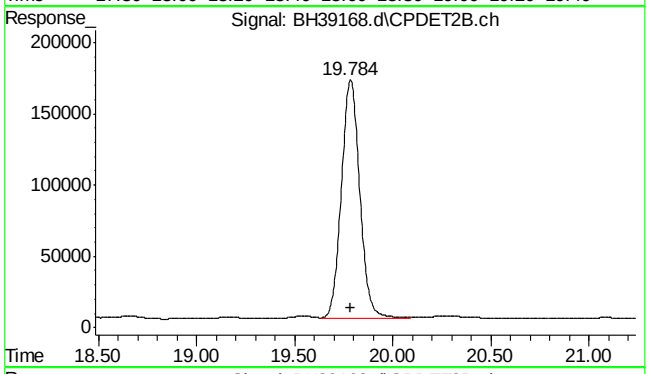
#16 fluorobenzene #2

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 18927623
Conc: 46.57 ppb m



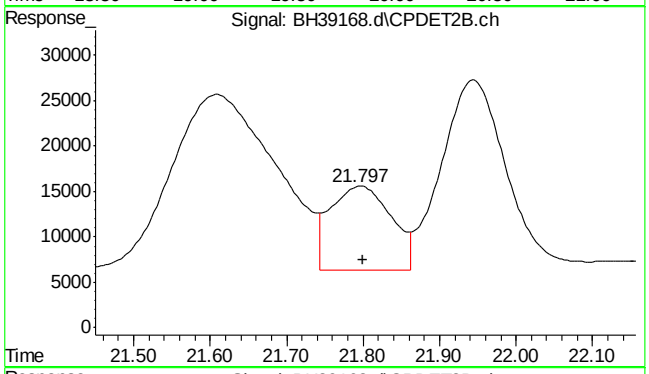
#17 toluene #2

R.T.: 18.661 min
Delta R.T.: -0.005 min
Response: 201791
Conc: 0.33 ppb m



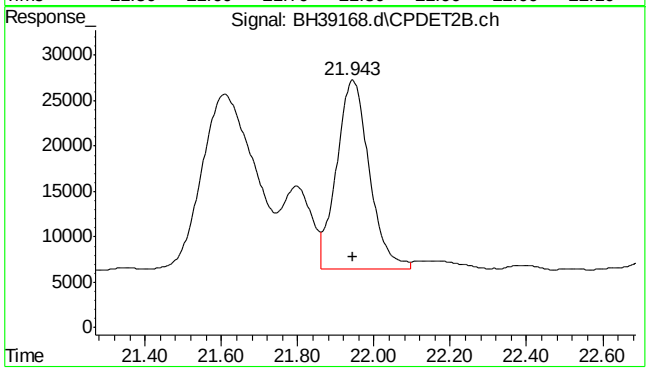
#18 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: -0.002 min
Response: 10994476
Conc: 43.29 ppb m



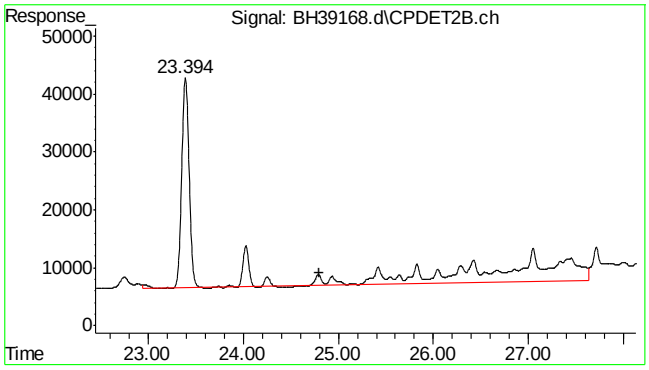
#19 ethylbenzene #2

R.T.: 21.798 min
Delta R.T.: -0.002 min
Response: 516195
Conc: 0.94 ppb



#20 m,p-xylene #2

R.T.: 21.943 min
Delta R.T.: 0.000 min
Response: 1242696
Conc: 1.86 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.:	24.800 min
Delta R.T.:	0.000 min
Response:	5480576
Conc:	8.51 ppb

7.1.4

7

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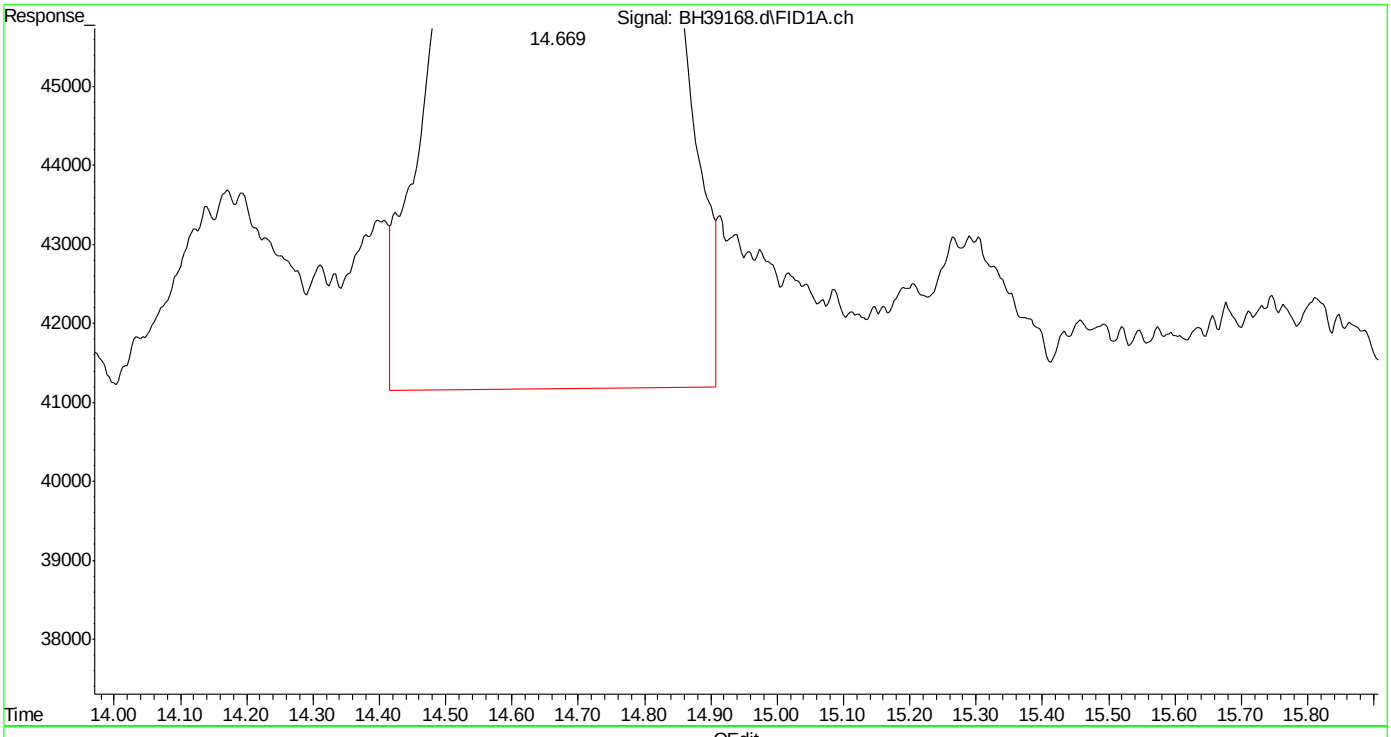
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 44.948 ppb
response 42204916

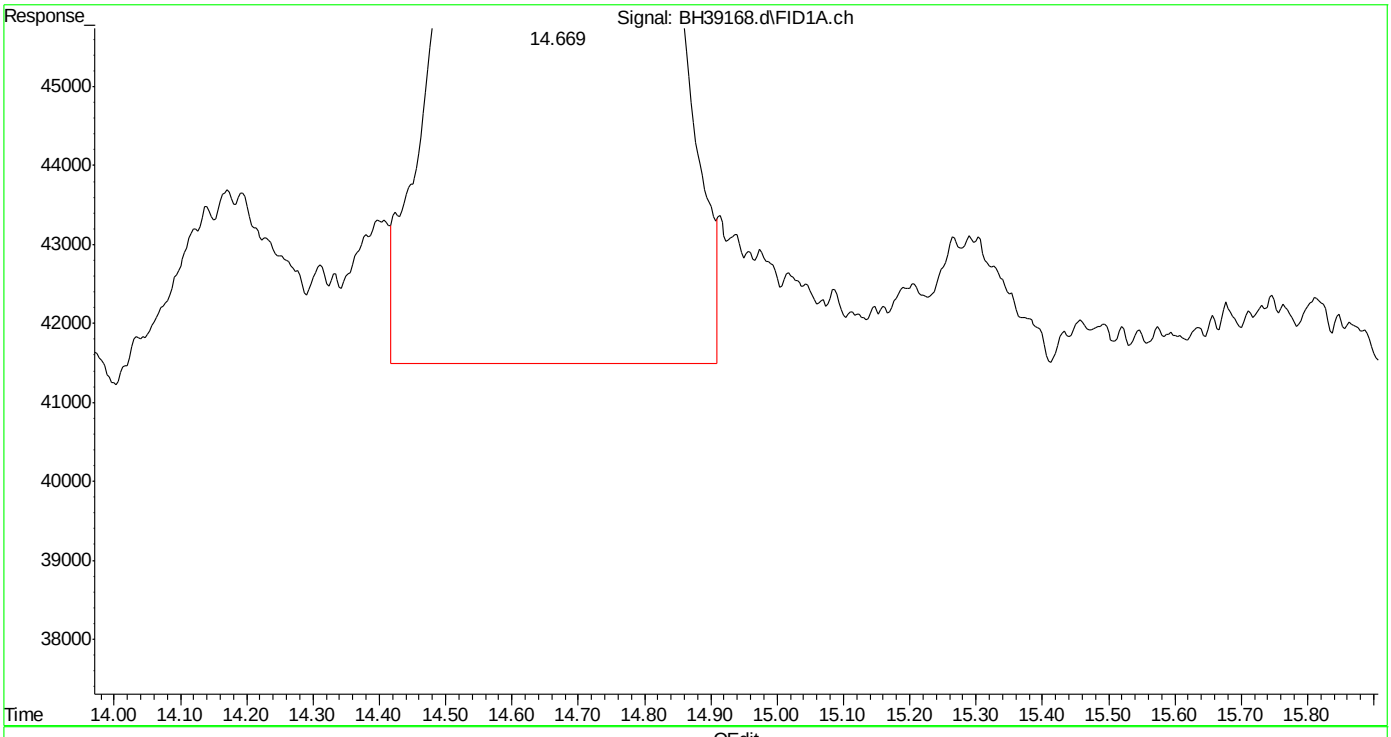
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:32:06 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.669min 44.838 ppb m
response 42102127

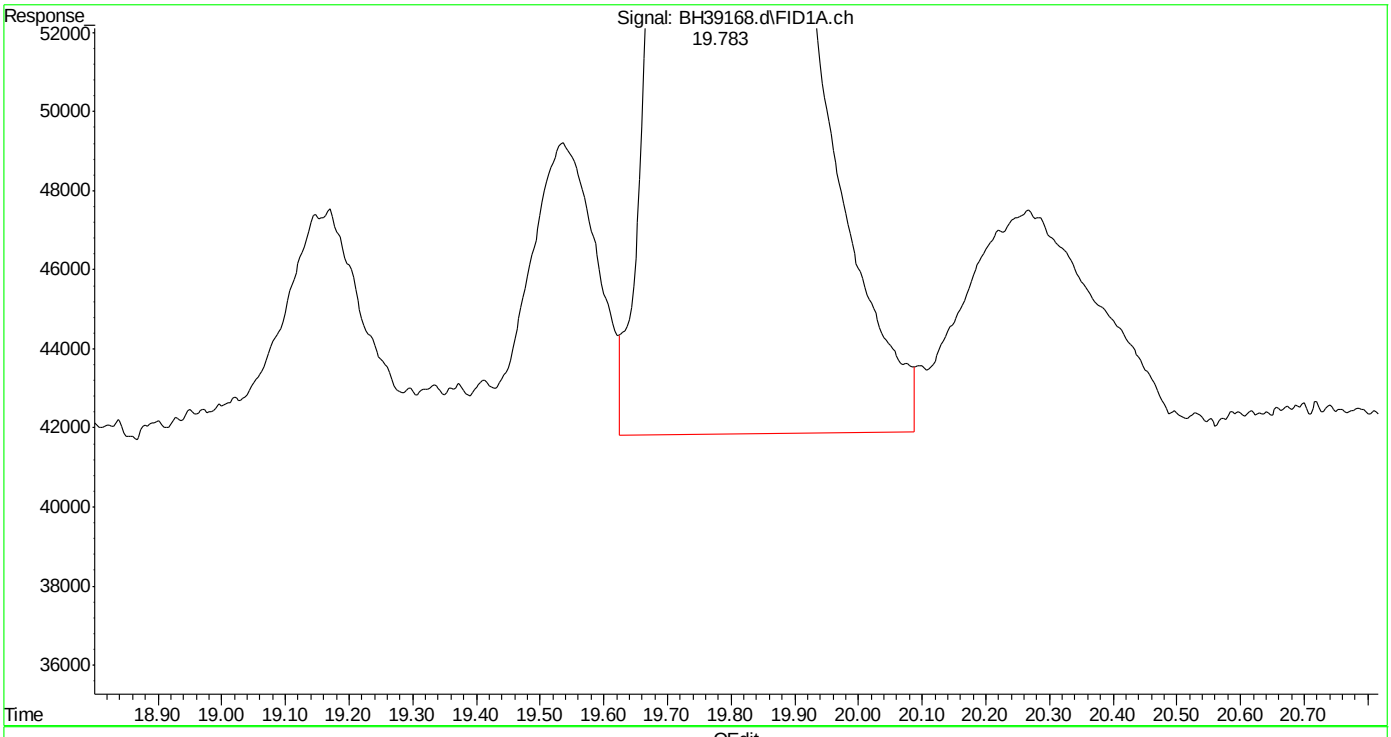
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:32:17 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 41.841 ppb
response 34011489

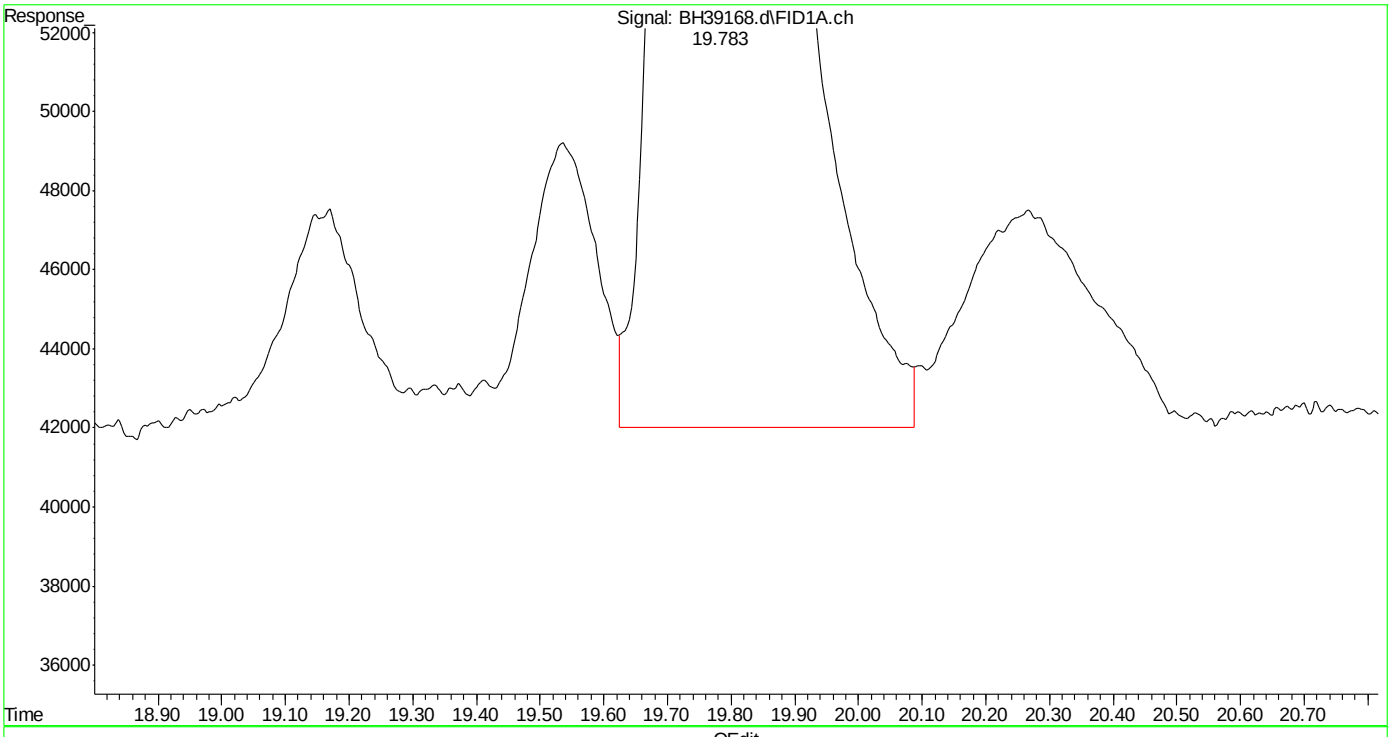
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:32:21 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.783min 41.785 ppb m
response 33965987

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:32:29 2016

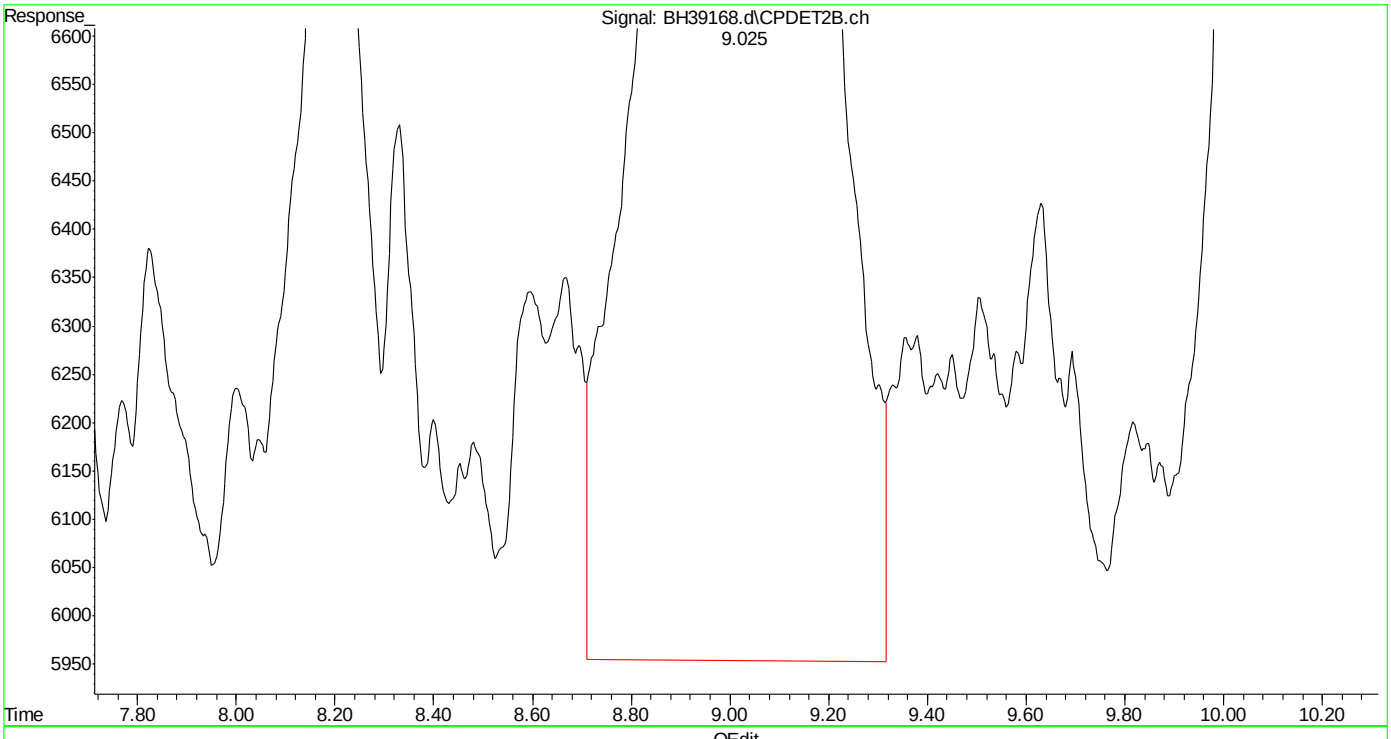
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.026min 2.059 ppb
response 579115

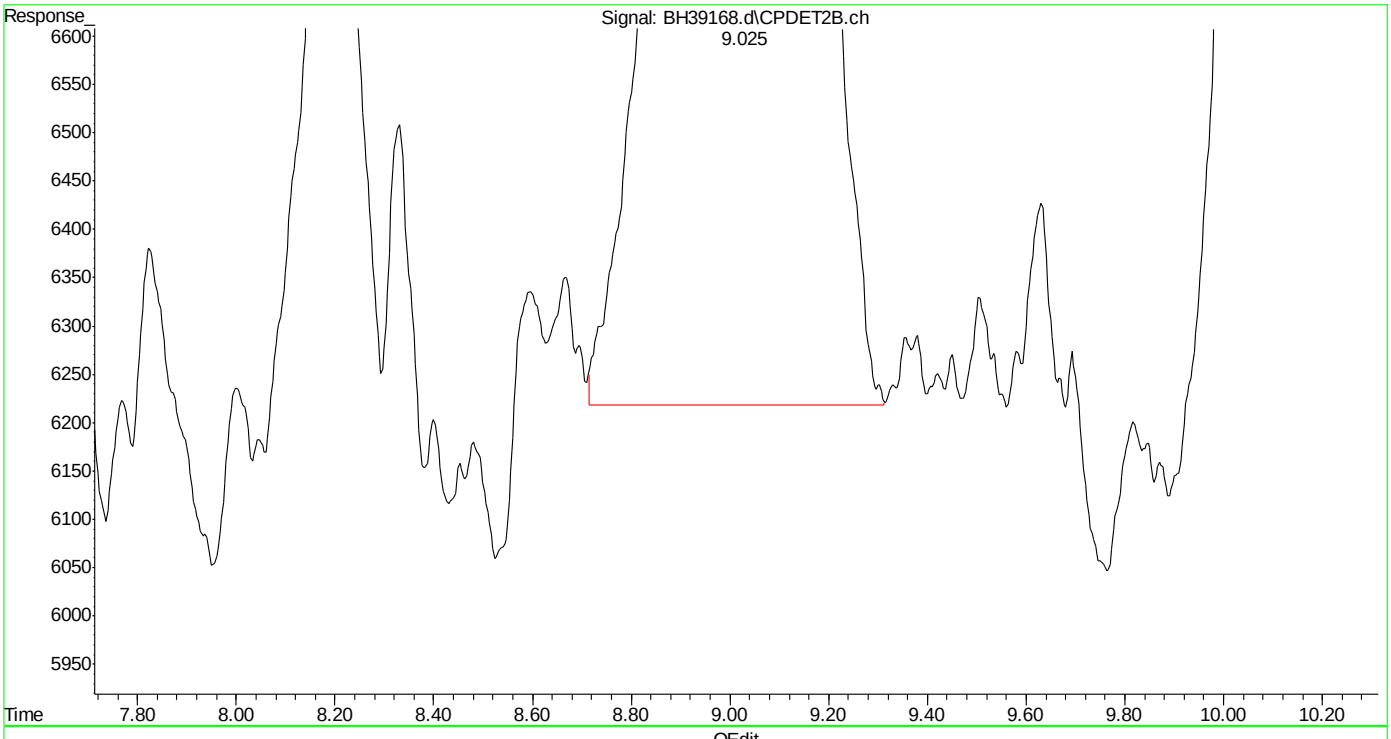
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:32:39 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.025min 1.719 ppb m
response 483293

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:32:45 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
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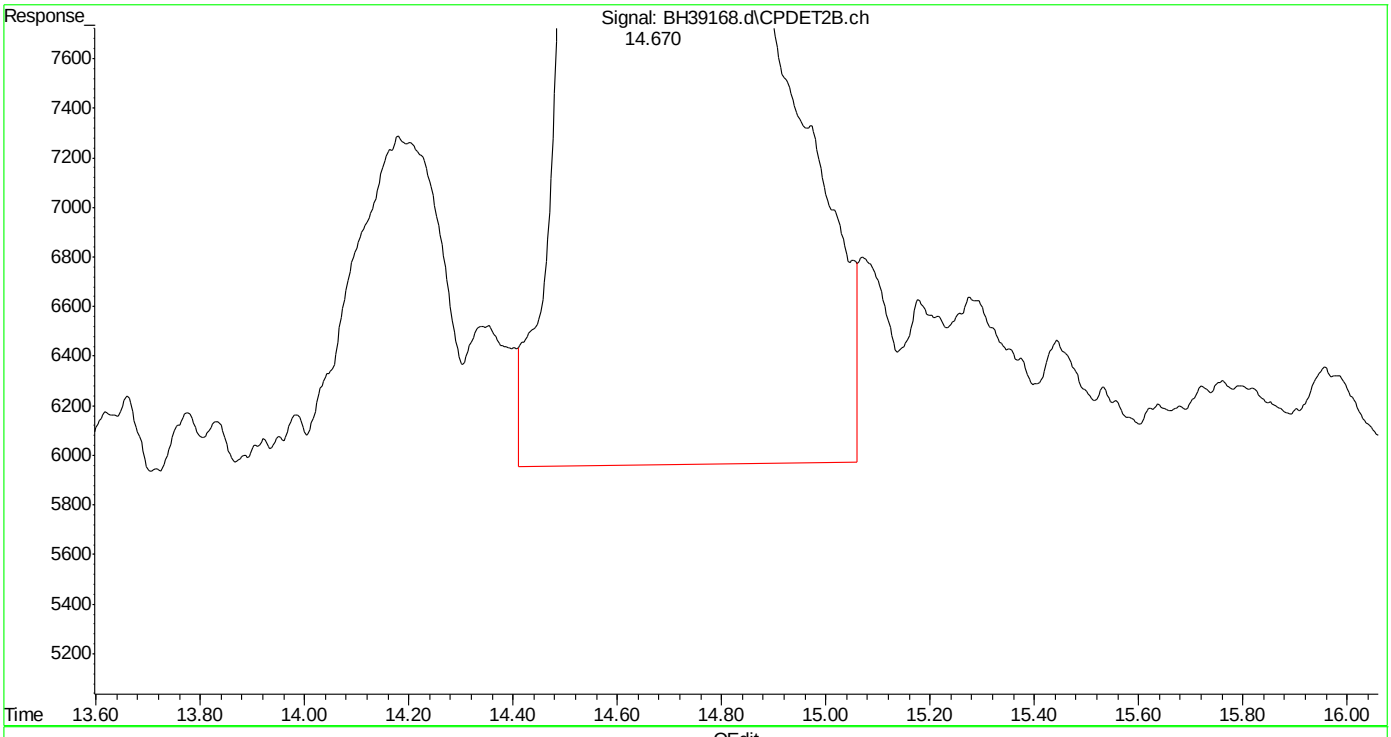
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 46.999 ppb
response 19101350

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:32:52 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
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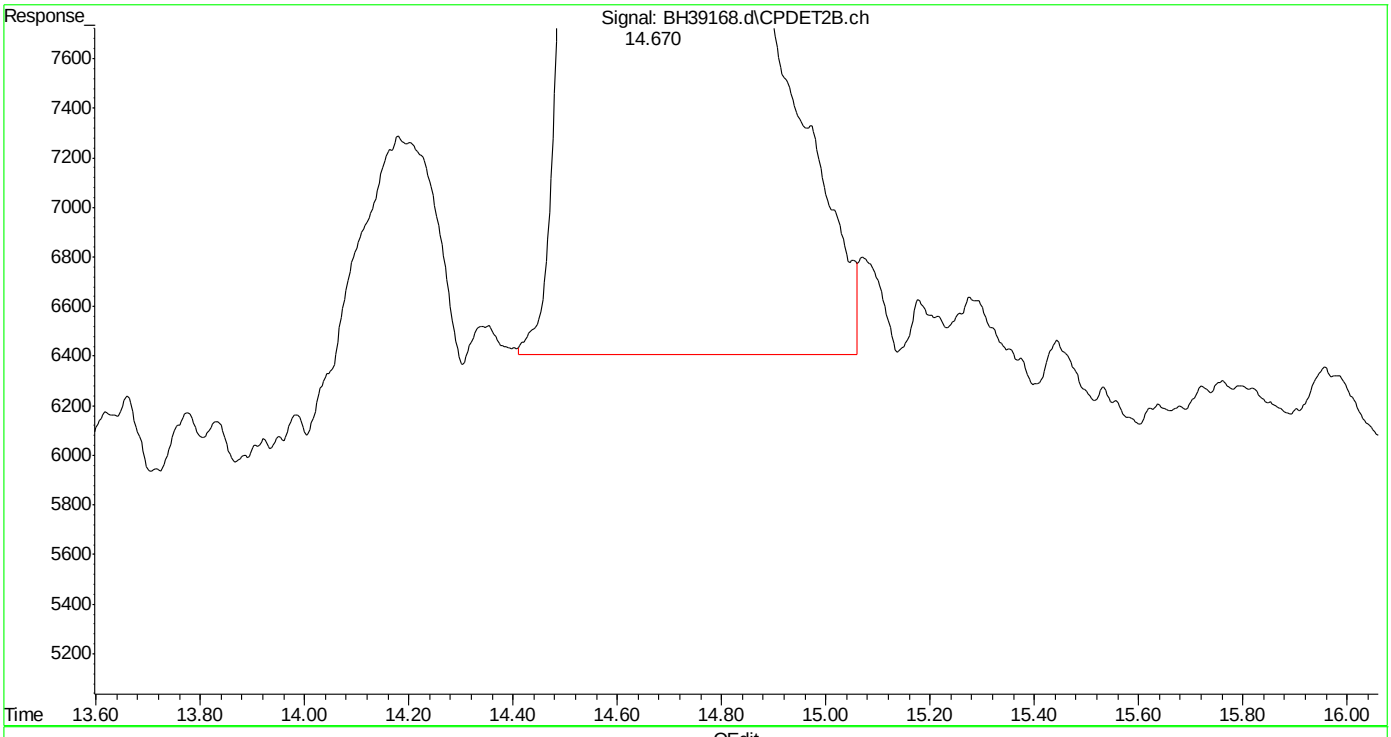
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.670min 46.572 ppb m
response 18927623

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:33:00 2016

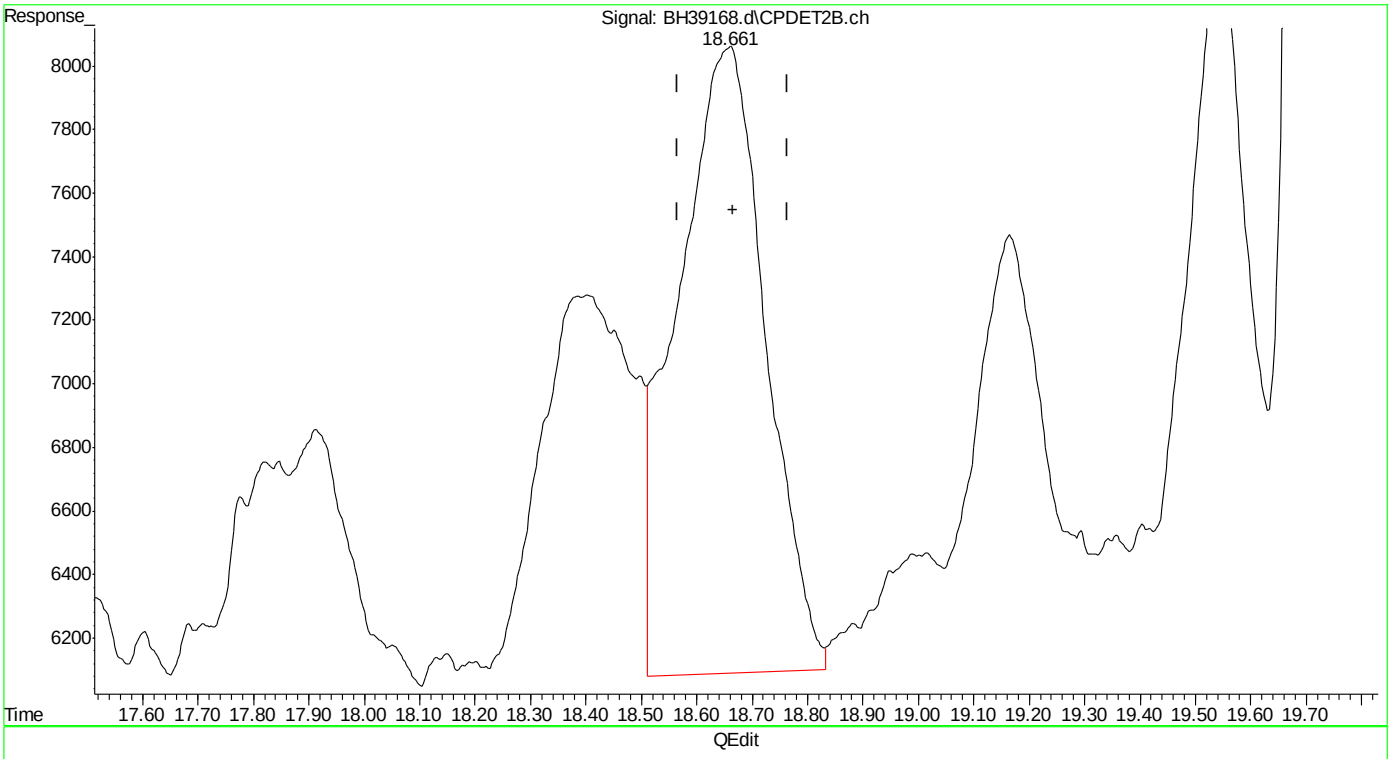
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.660min 0.354 ppb
response 218472

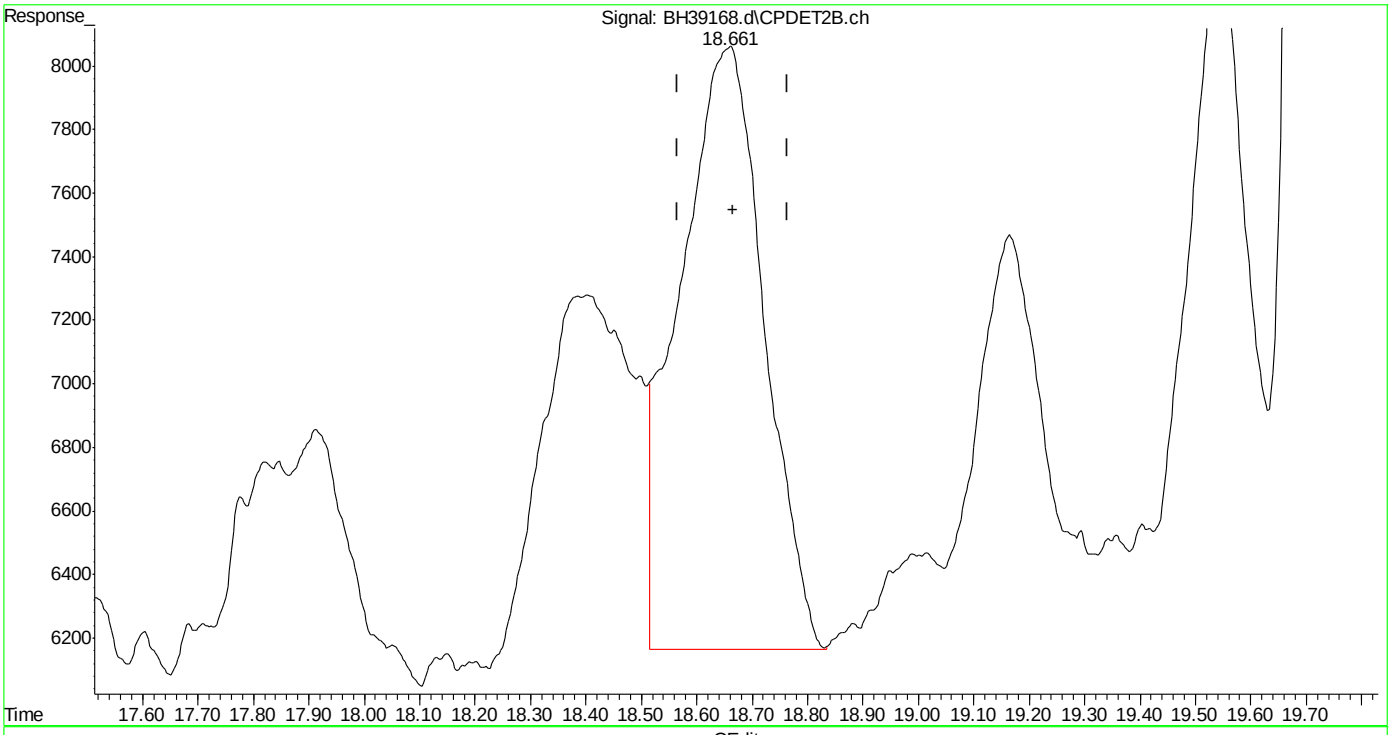
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:33:04 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.661min 0.327 ppb m
response 201791

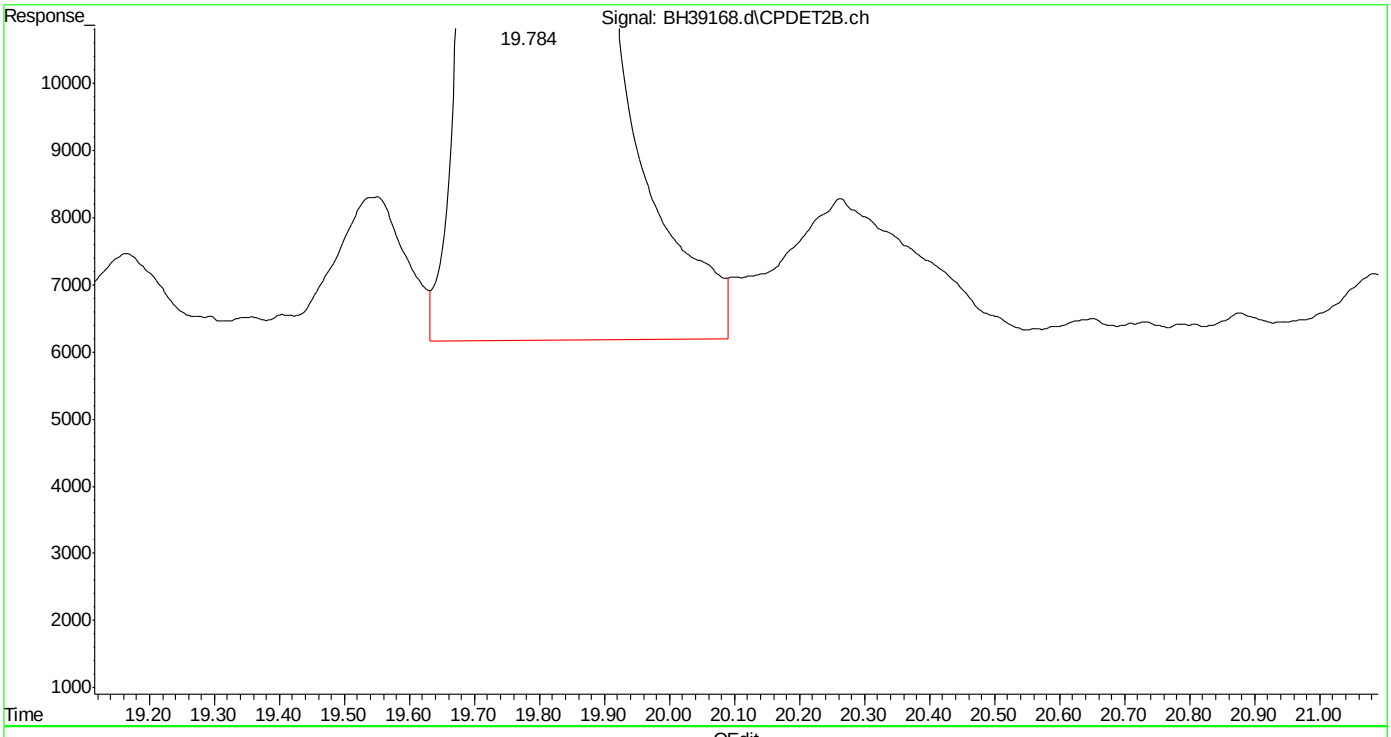
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:33:09 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 43.606 ppb
response 11075131

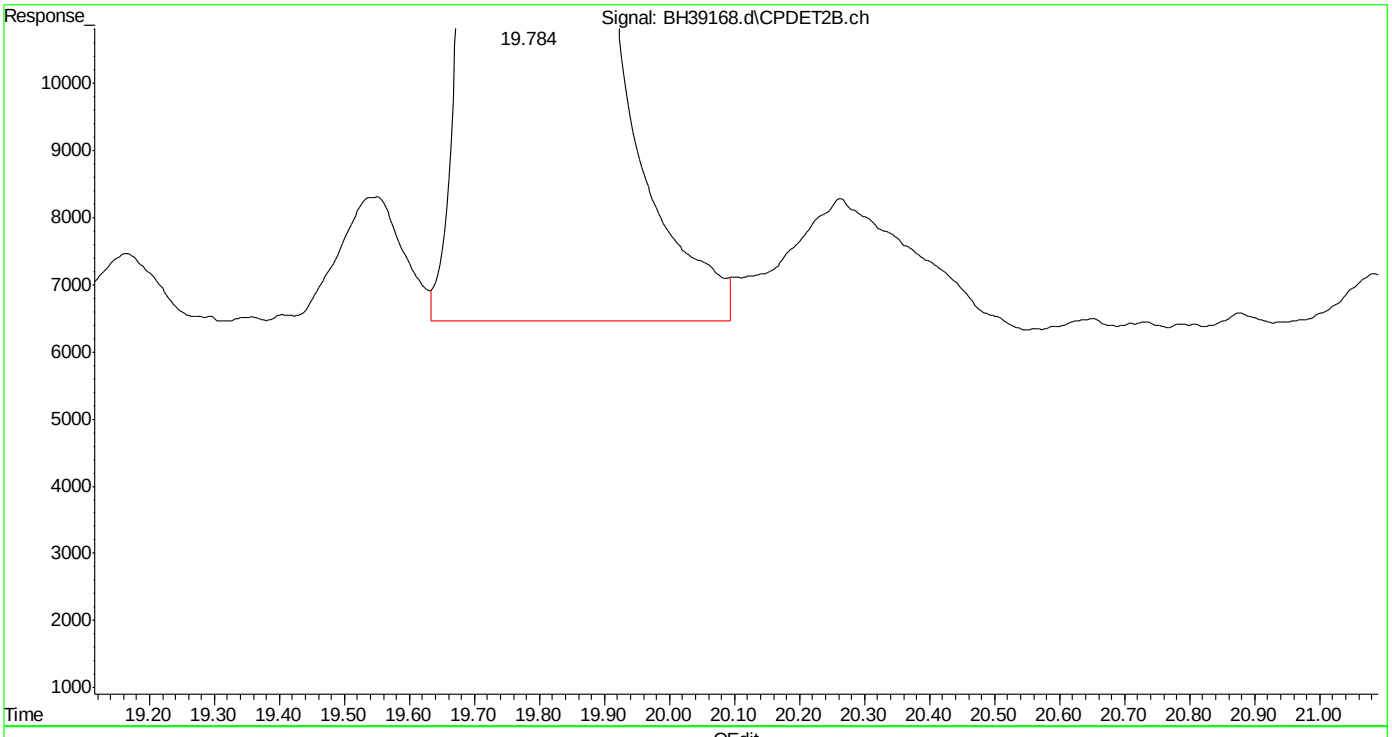
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:33:13 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.784min 43.289 ppb m
response 10994476

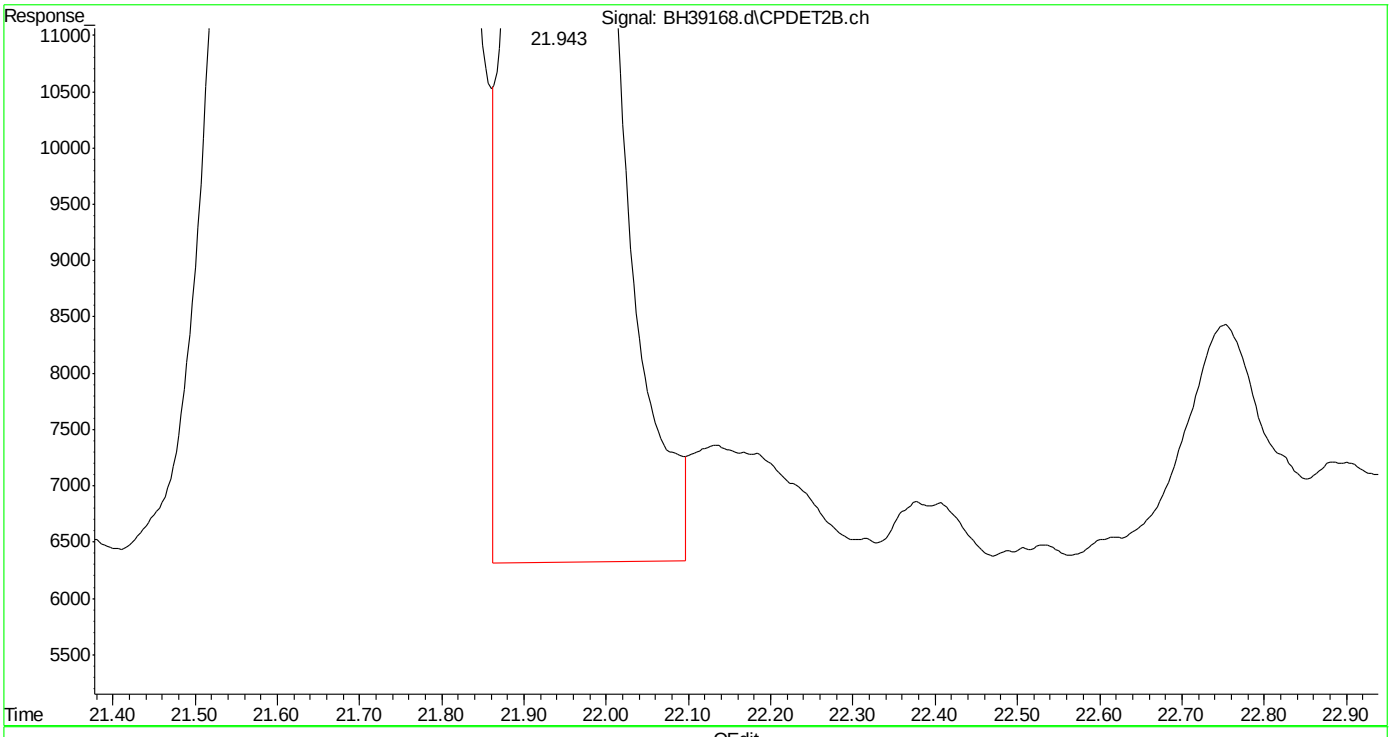
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:33:20 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.945min 1.896 ppb
response 1264542

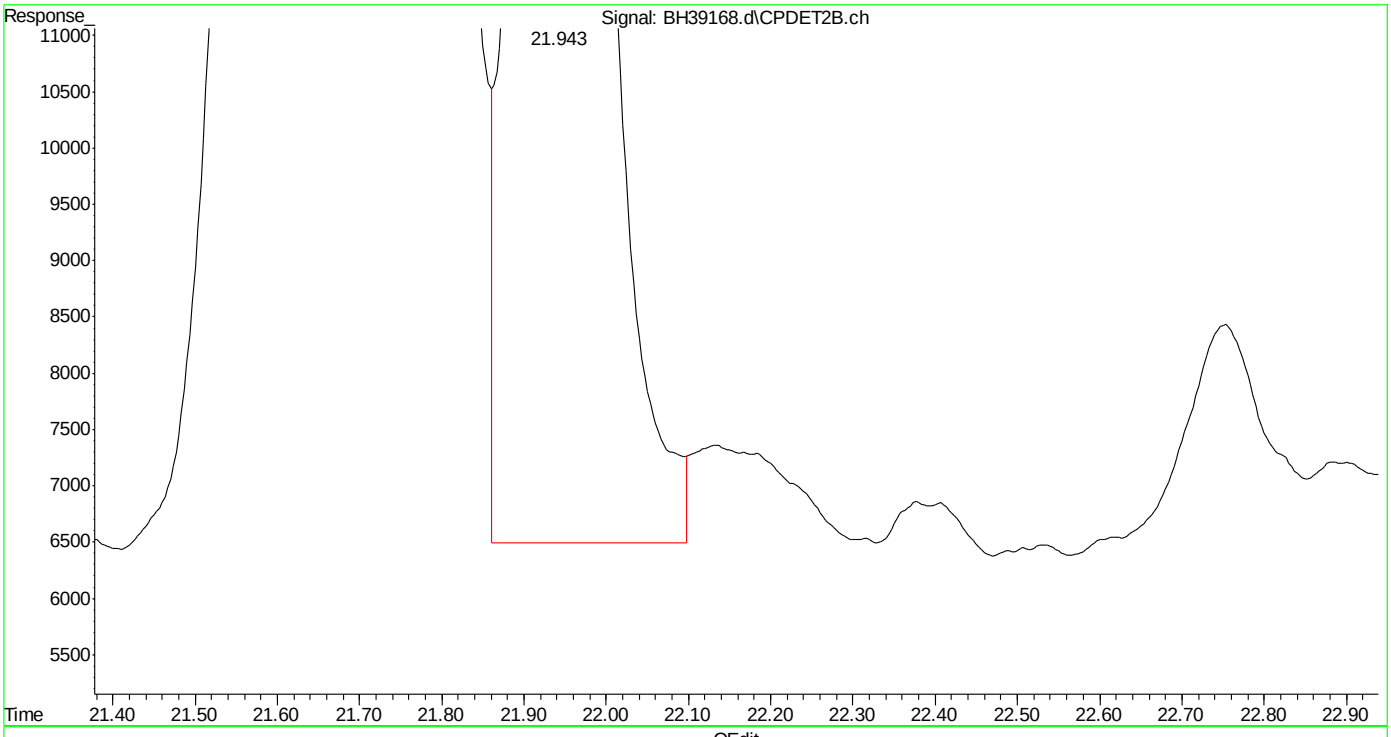
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:33:33 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.943min 1.863 ppb m
response 1242696

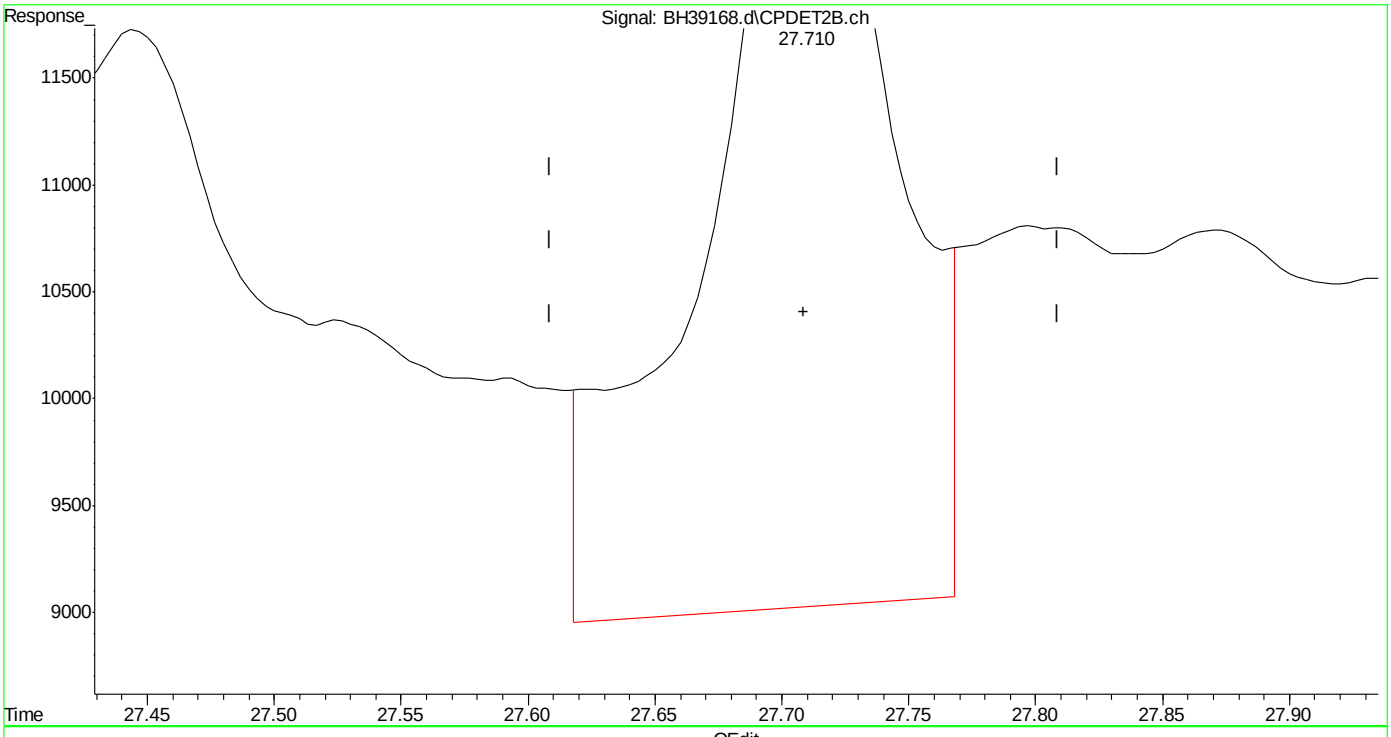
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:33:41 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.711min 0.389 ppb
response 212662

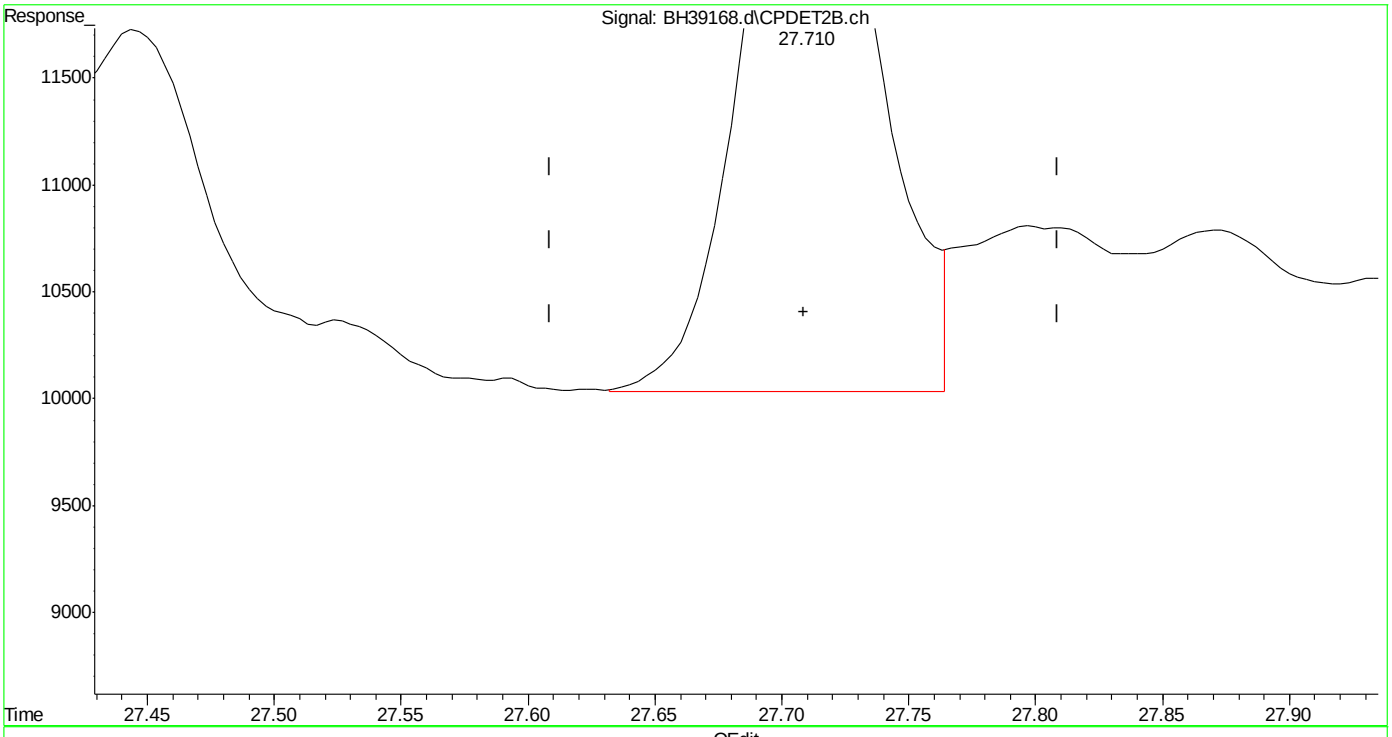
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:33:50 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 0.220 ppb m
response 120131

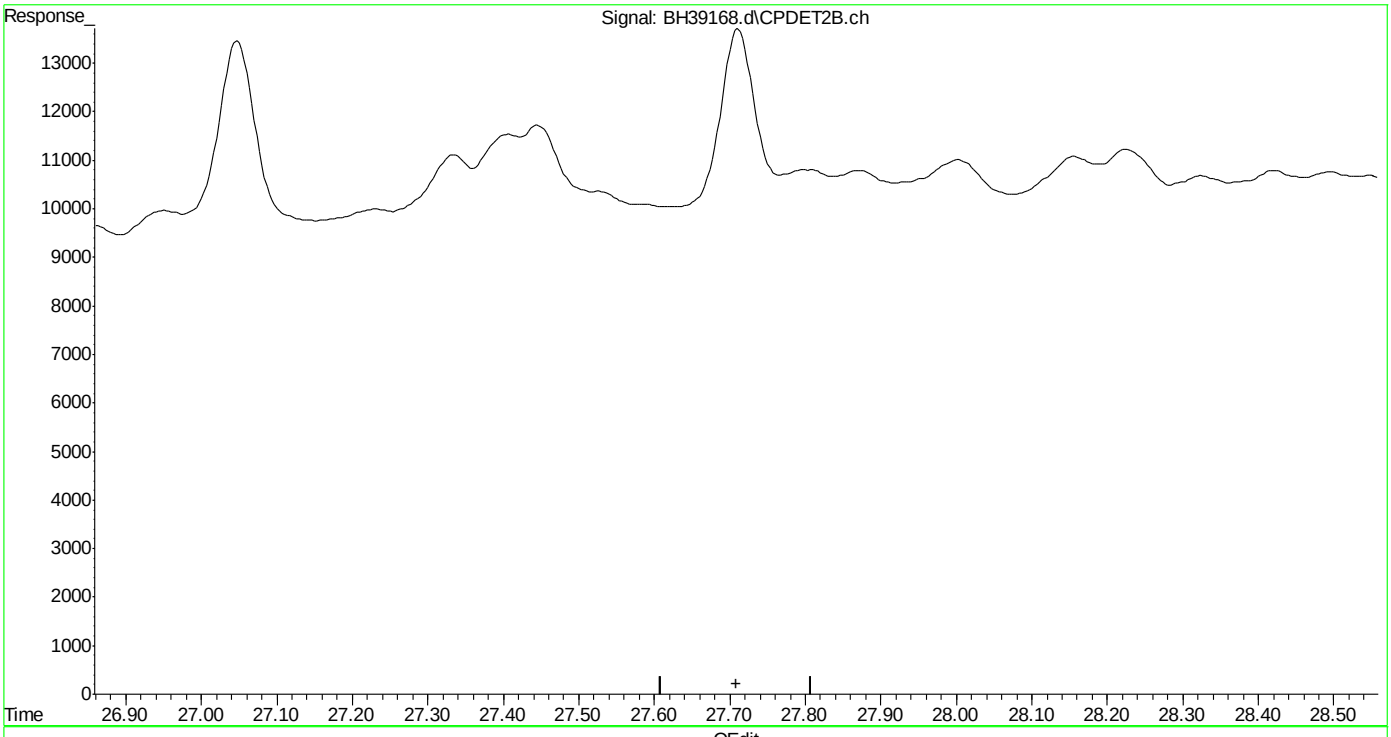
(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:33:56 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39168.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 4:44 pm
Operator : danielf
Sample : mc45857-5,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 11 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:43:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
0.000min 0.000 ppb d
response 0

(+) = Expected Retention Time
bh160512vph.m Fri May 13 14:33:58 2016

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39162.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:40 pm
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:13:01 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
4) s fluorobenzene	14.669	40459545	43.089 ppb	m
Spiked Amount 50.000		Recovery	= 86.18%	
6) s 2,3,4-trifluorotoluene	19.785	32165447	39.570 ppb	
Spiked Amount 50.000		Recovery	= 79.14%	
16) s fluorobenzene #2	14.670	18386173	45.240 ppb	m
Spiked Amount 50.000		Recovery	= 90.48%	
18) s 2,3,4-trifluorotoluen...	19.783	10543384	41.513 ppb	m
Spiked Amount 50.000		Recovery	= 83.03%	
Target Compounds				
1) h rt5.5-7	5.980	1717129	1.663 ppb	
2) h rt7/10	8.250	2238747	2.168 ppb	
3) h rt10/13	13.360	4693234	4.544 ppb	
8) h rt20/25	21.460	8718726	7.249 ppb	
24) t naphthalene #2	27.710	219099	0.401 ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	3021935	4.692 ppb	

(f)=RT Delta > 1/2 Window (m)=manual int.

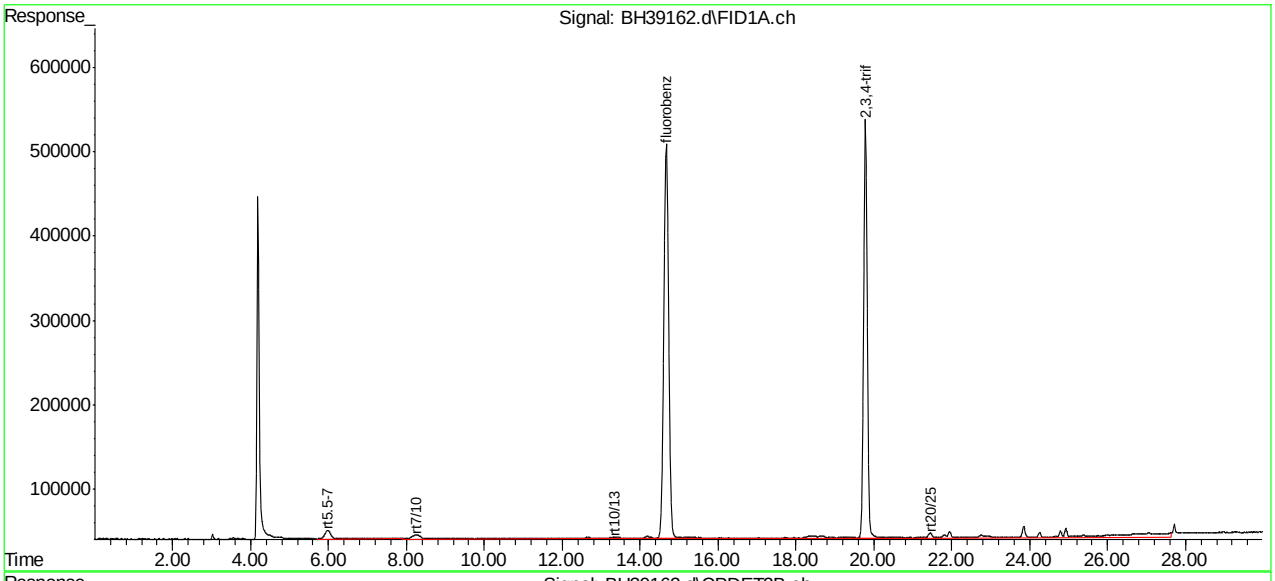
SGS ACCUTEST MC45857

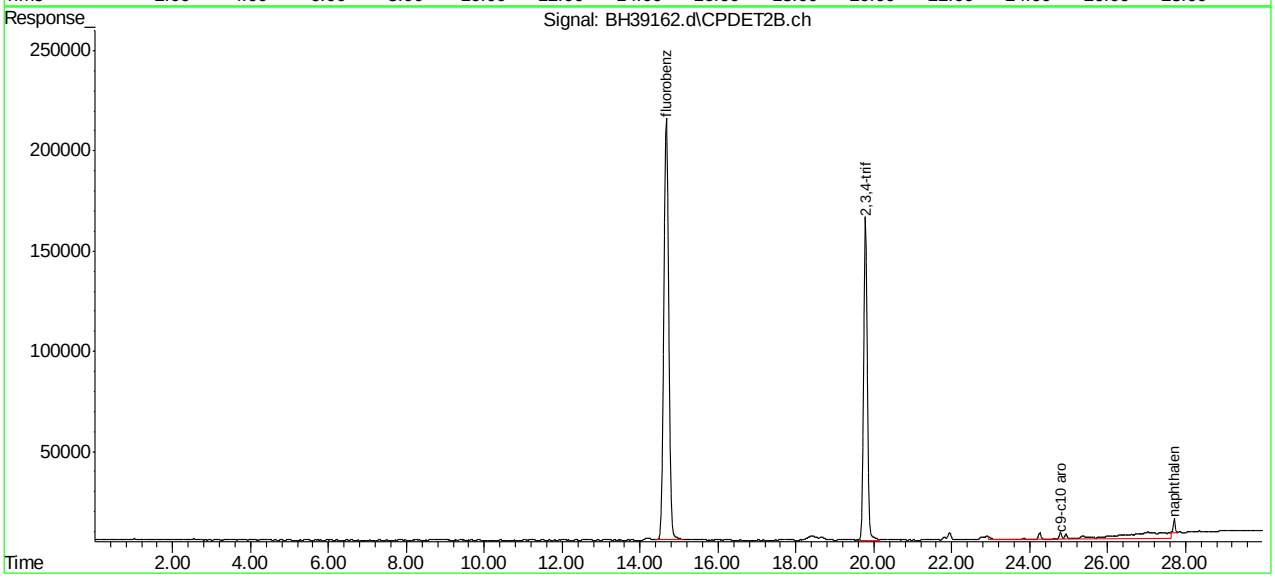
Quantitation Report (QT Reviewed)

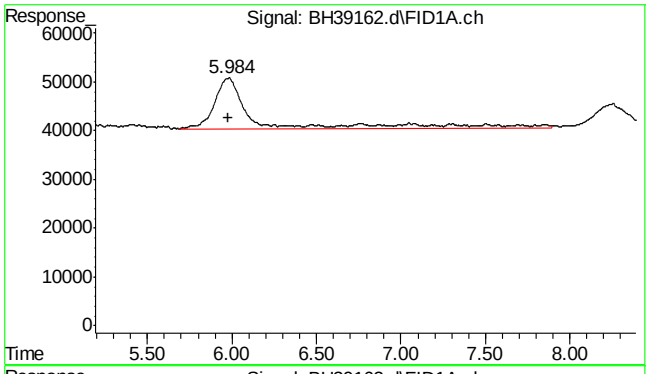
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39162.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:40 pm
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:13:01 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

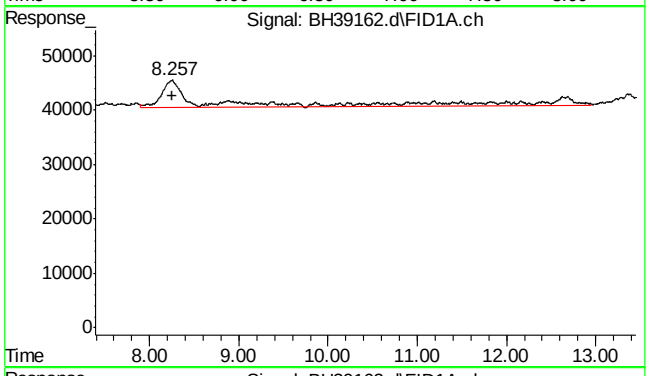






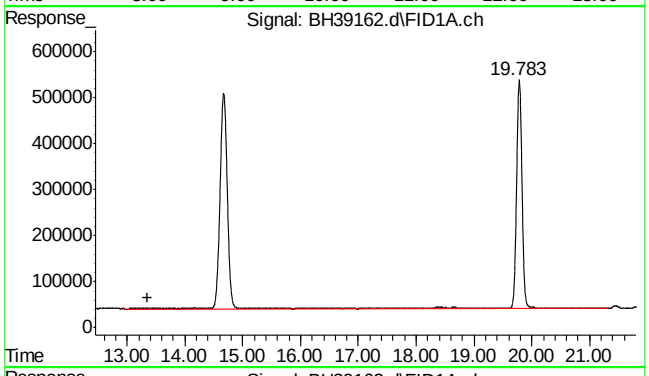
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 1717129
Conc: 1.66 ppb



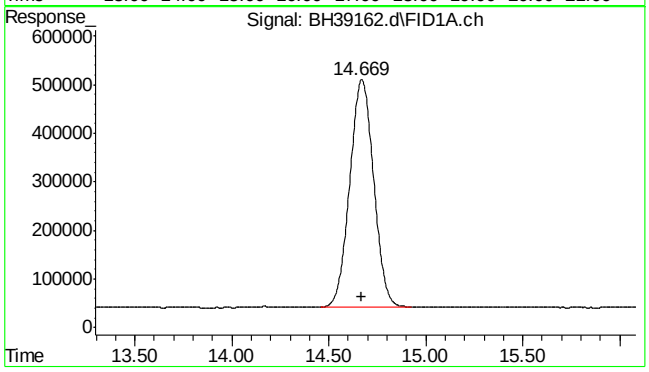
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 2238747
Conc: 2.17 ppb



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 4693234
Conc: 4.54 ppb



#4 fluorobenzene

R.T.: 14.669 min
Delta R.T.: -0.003 min
Response: 40459545
Conc: 43.09 ppb m

7.2.1

7

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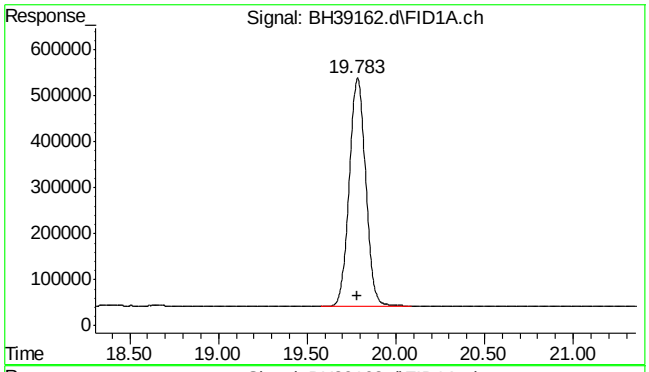
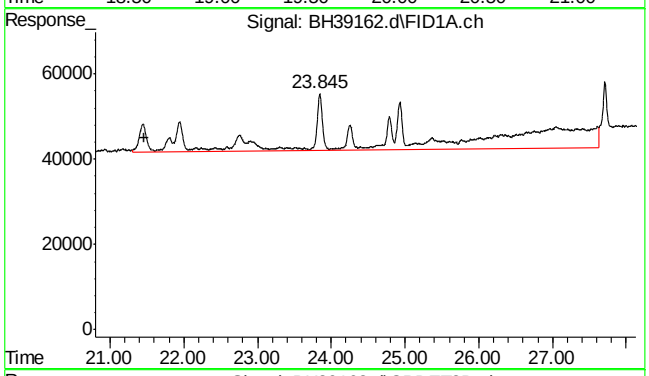


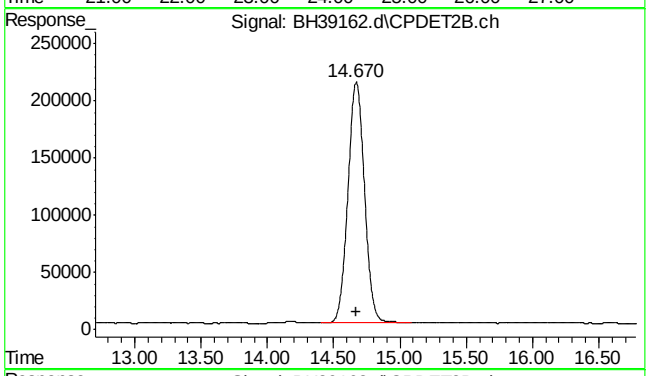
#6 2,3,4-trifluorotoluene

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 32165447
Conc: 39.57 ppb



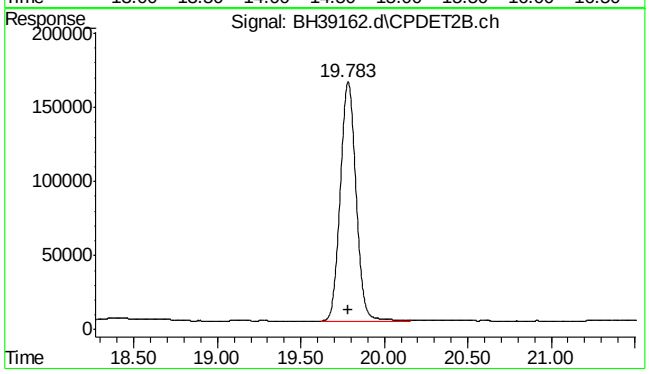
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 8718726
Conc: 7.25 ppb



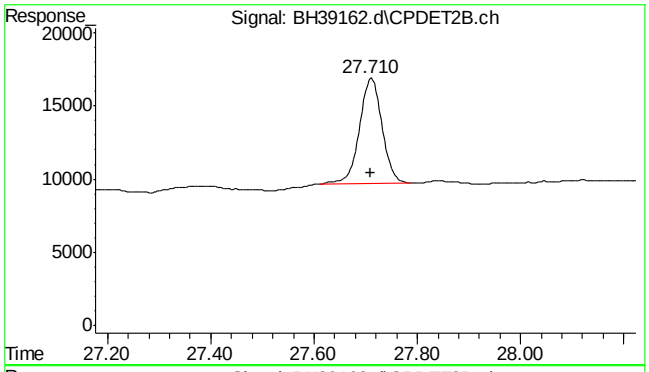
#16 fluorobenzene #2

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 18386173
Conc: 45.24 ppb m



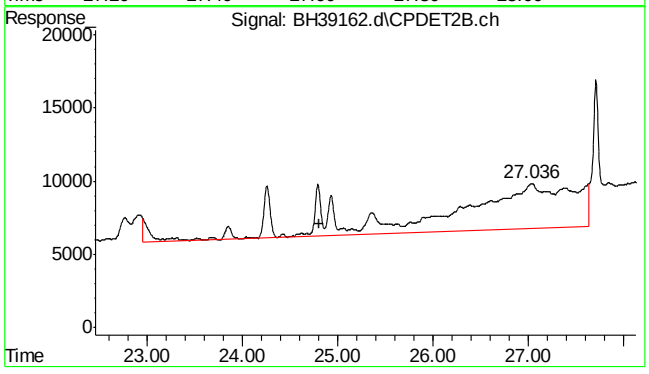
#18 2,3,4-trifluorotoluene #2

R.T.: 19.783 min
Delta R.T.: -0.002 min
Response: 10543384
Conc: 41.51 ppb m



#24 naphthalene #2

```
      R.T.:   27.710 min
Delta R.T.:    0.001 min
  Response:    219099
      Conc:   0.40 ppb m
```



#25 c9-c10 arom as 1,2,4-tmb

```
      R.T.:   24.800 min
Delta R.T.:    0.000 min
  Response:   3021935
      Conc:   4.69 ppb
```

7.2.1

7

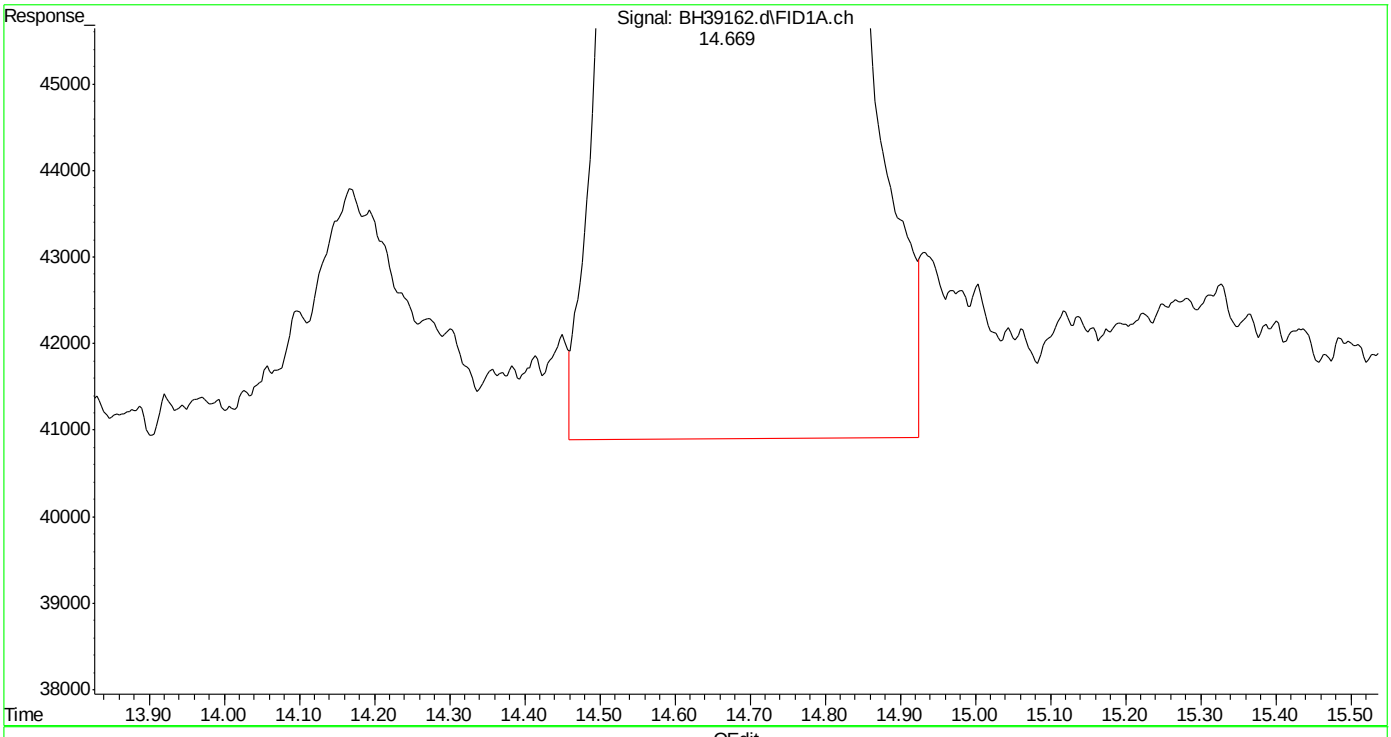
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39162.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:40 pm
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:11:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 43.244 ppb
response 40604532

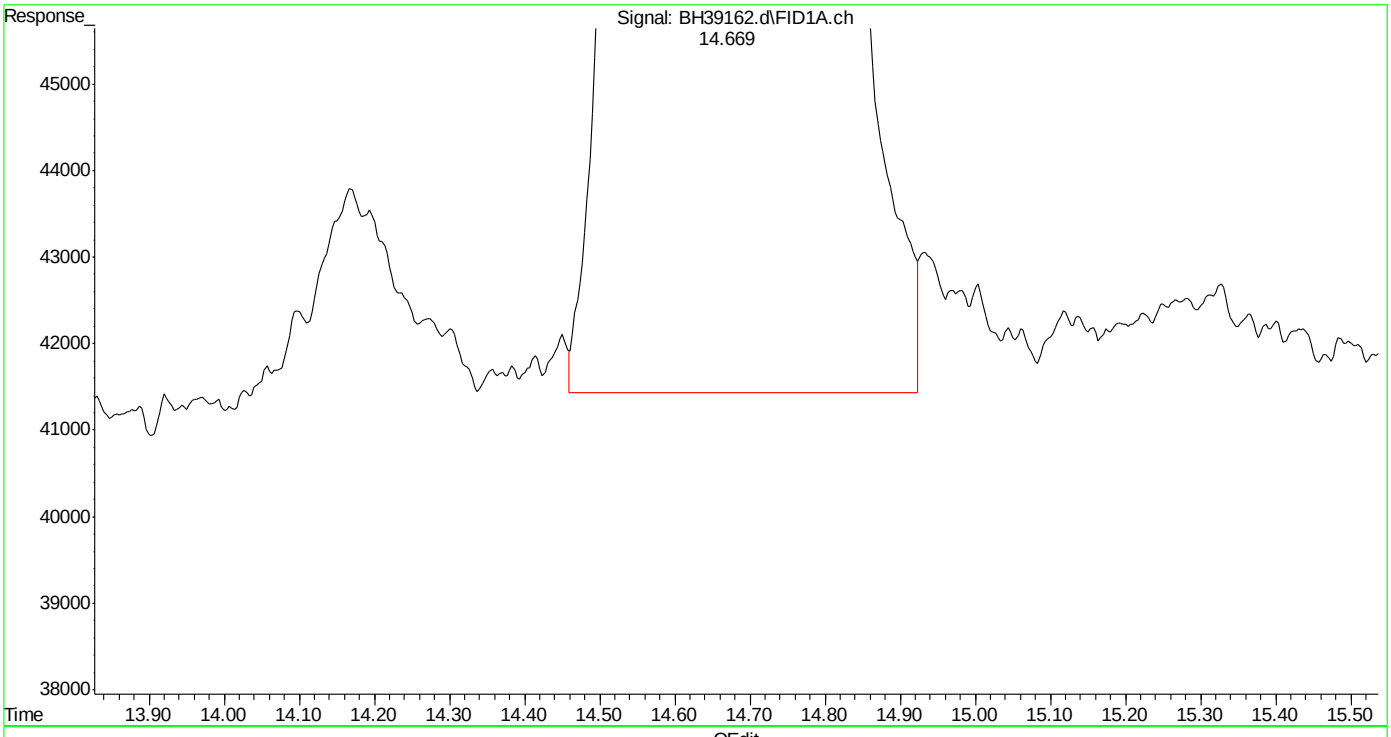
(+) = Expected Retention Time
bh160512vph.m Thu May 12 13:11:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39162.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:40 pm
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:11:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.669min 43.089 ppb m
response 40459545

(+) = Expected Retention Time
bh160512vph.m Thu May 12 13:11:50 2016

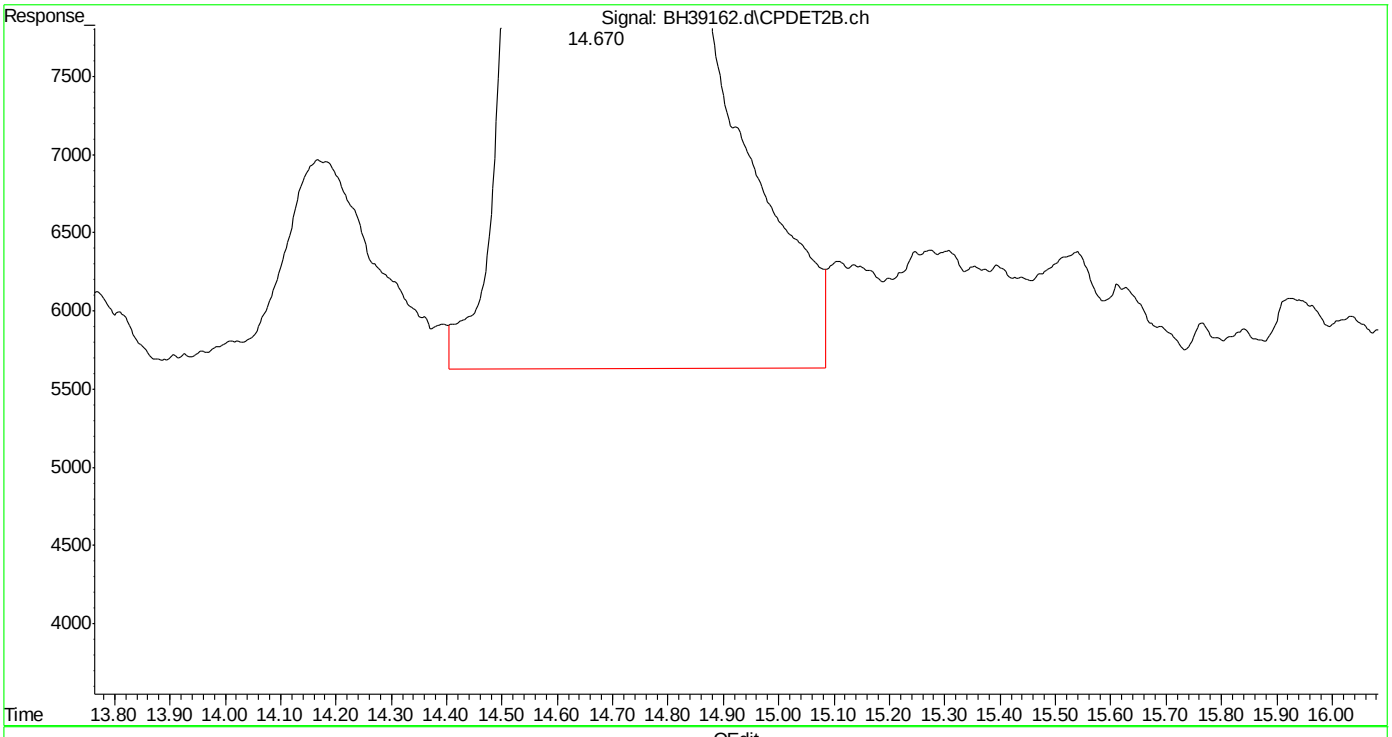
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39162.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:40 pm
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:11:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 45.485 ppb
response 18485773

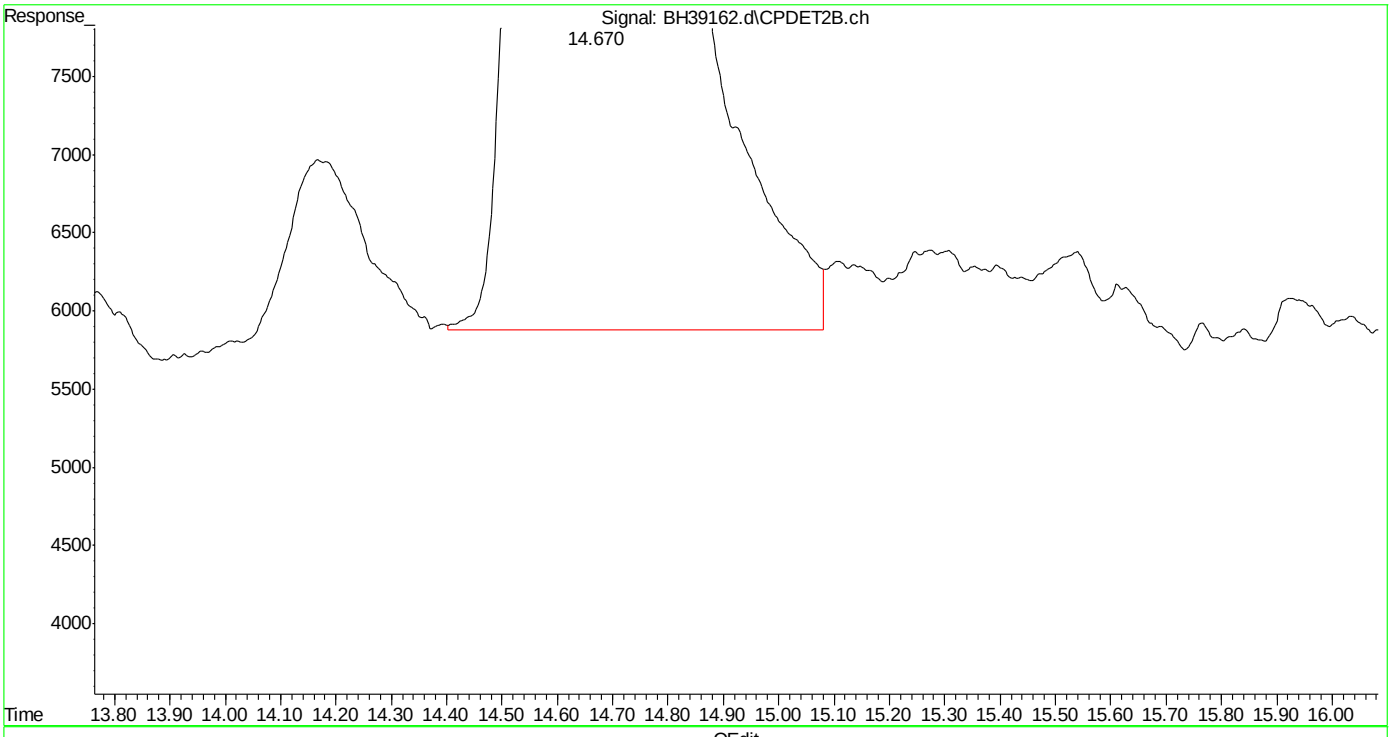
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39162.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:40 pm
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:11:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.670min 45.240 ppb m
response 18386173

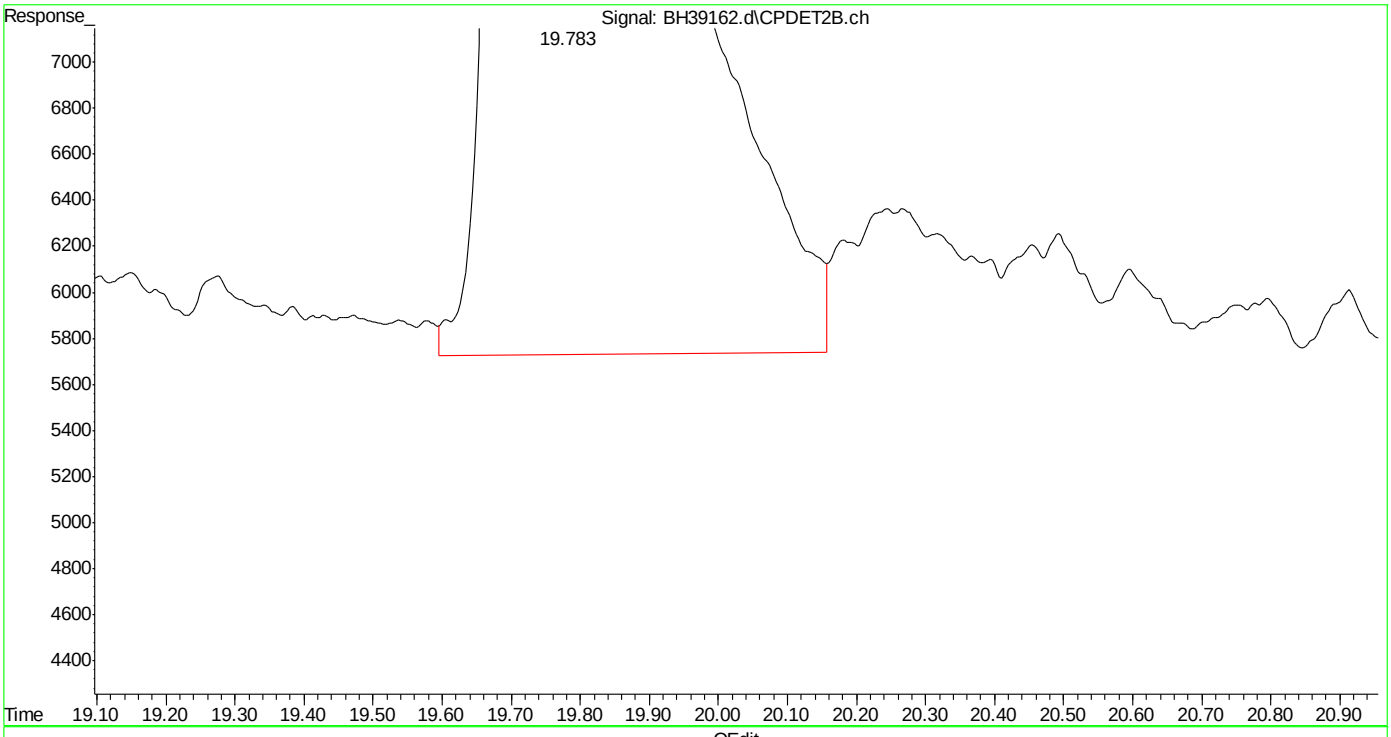
(+) = Expected Retention Time
bh160512vph.m Thu May 12 13:12:14 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39162.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:40 pm
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:11:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 41.662 ppb
response 10581389

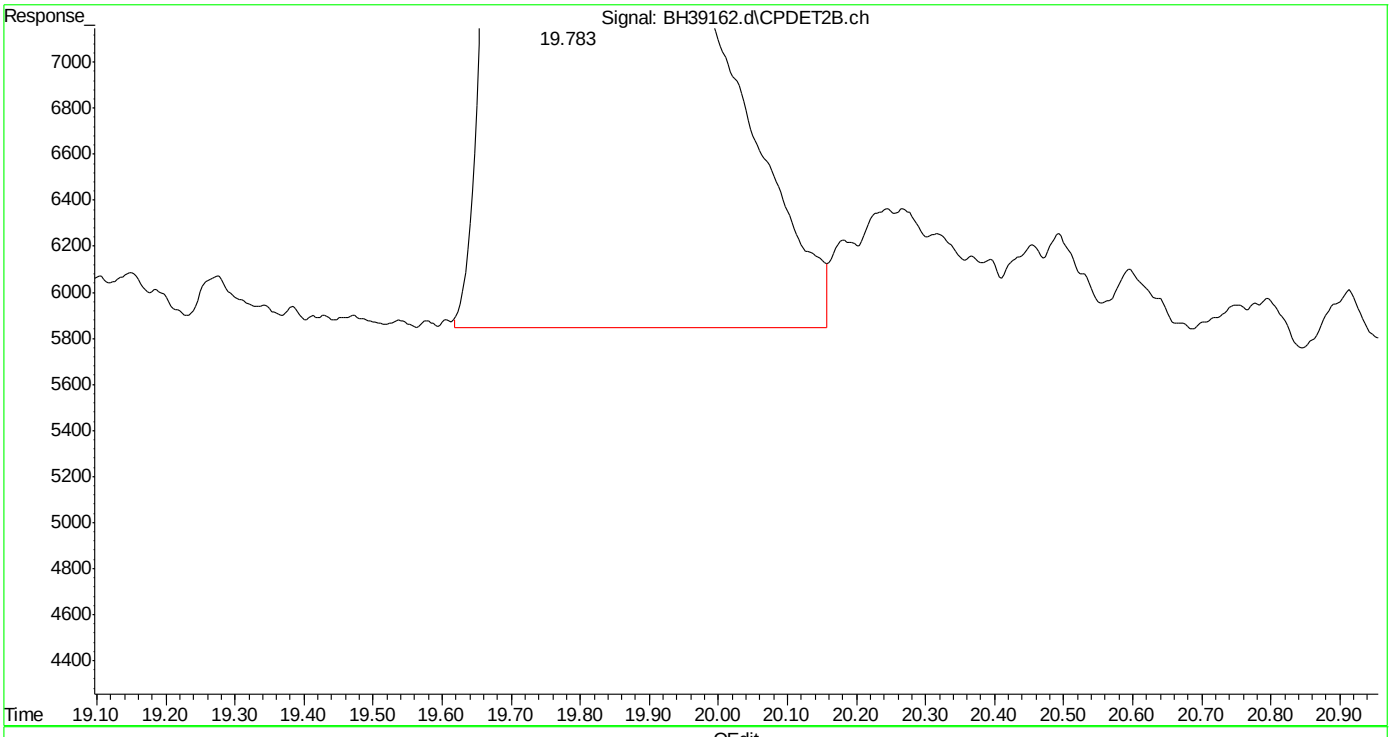
(+) = Expected Retention Time
bh160512vph.m Thu May 12 13:12:39 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39162.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:40 pm
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:11:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.783min 41.513 ppb m
response 10543384

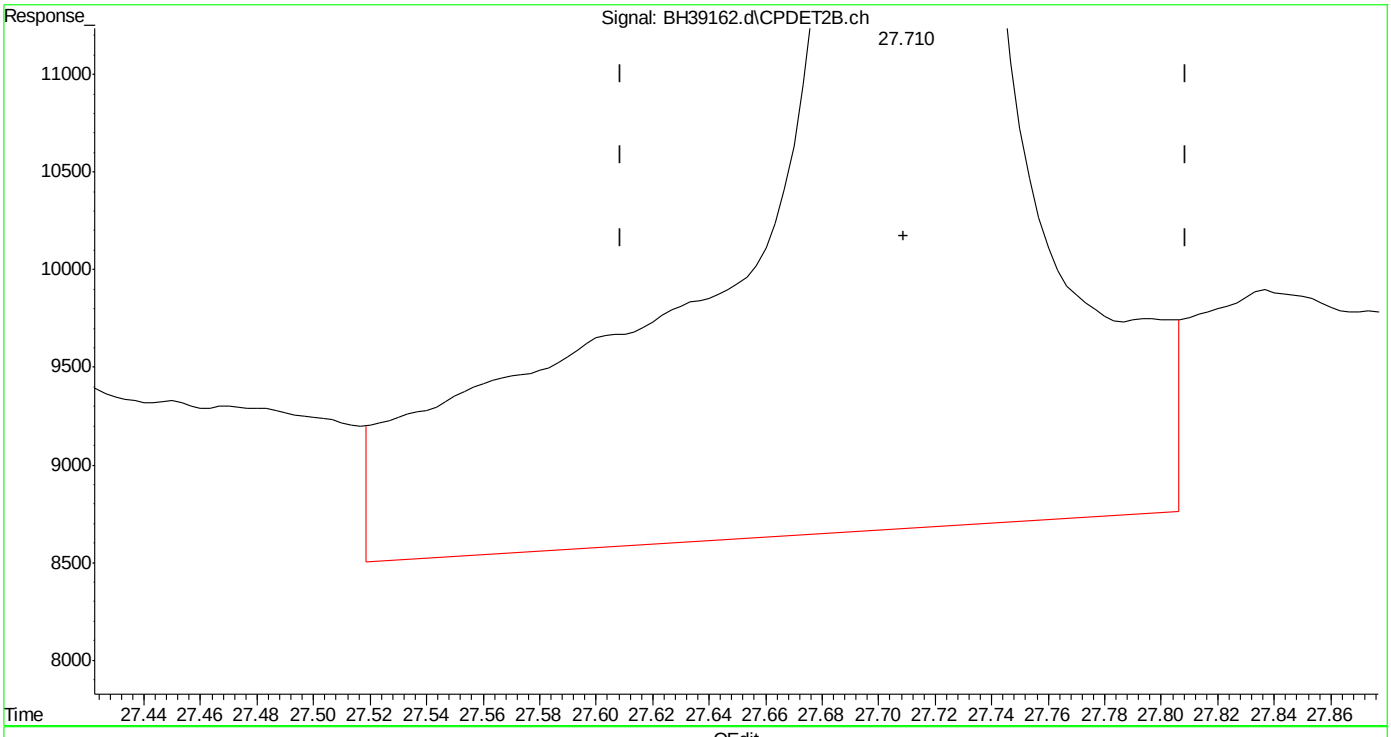
(+) = Expected Retention Time
bh160512vph.m Thu May 12 13:12:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39162.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:40 pm
Operator : danielf
Sample : mb,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:11:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.711min 0.709 ppb
response 387436

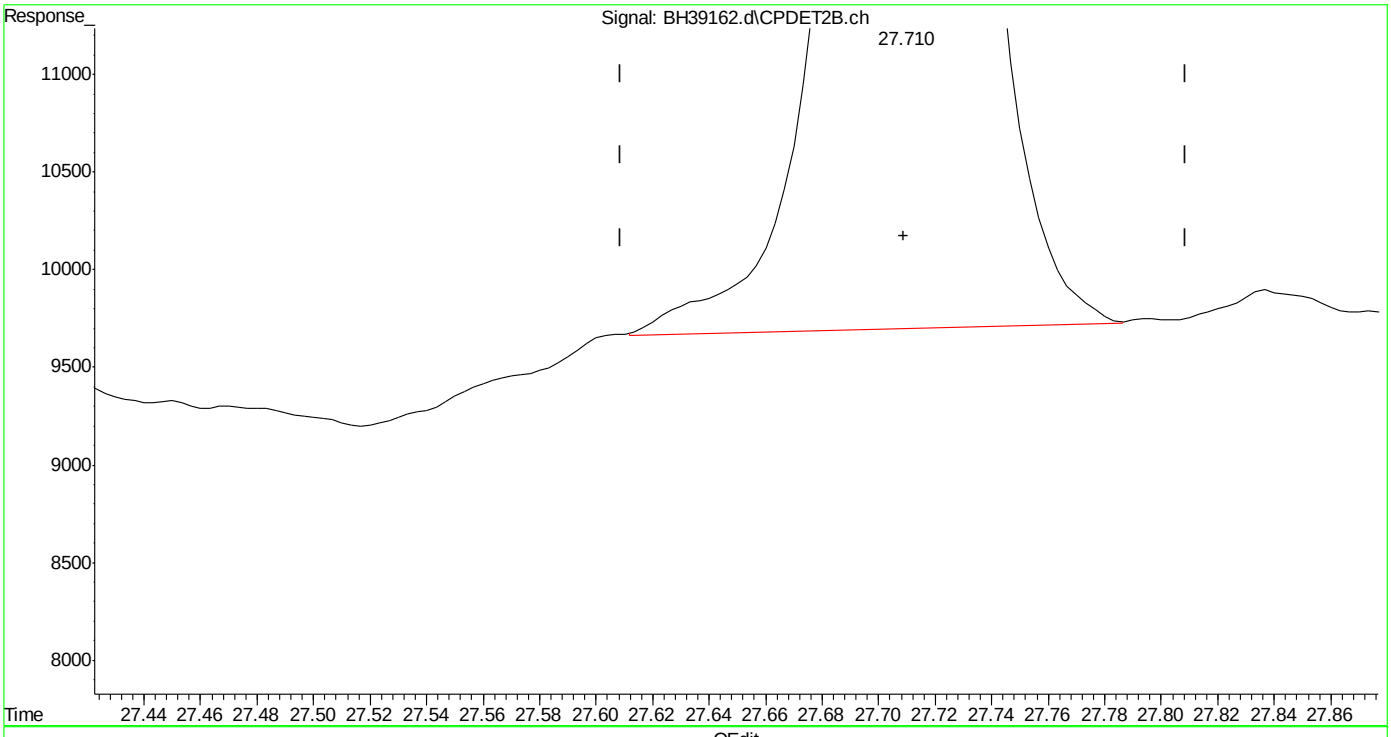
(+) = Expected Retention Time
bh160512vph.m Thu May 12 13:12:57 2016

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39162.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016  12:40 pm
Operator  : danielf
Sample    : mb,w,vmavph,00
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 4   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 13:11:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(24) naphthalene #2 (t)

27.710min 0.401 ppb m

response 219099

(+) = Expected Retention Time

bh160512vph.m Thu May 12 13:13:03 2016

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:04:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.669	41511126	44.209	ppb	m
Spiked Amount 50.000		Recovery = 88.42%			
6) s 2,3,4-trifluorotoluene	19.783	34234316	42.115	ppb	m
Spiked Amount 50.000		Recovery = 84.23%			
16) s fluorobenzene #2	14.669	18977423	46.695	ppb	m
Spiked Amount 50.000		Recovery = 93.39%			
18) s 2,3,4-trifluorotoluen...	19.783	11280673	44.416	ppb	m
Spiked Amount 50.000		Recovery = 88.83%			
Target Compounds					
1) h rt5.5-7	5.980	33430042	32.370	ppb	m
2) h rt7/10	8.250	40149028	38.876	ppb	m
3) h rt10/13	13.360	48722516	47.177	ppb	m
8) h rt20/25	21.460	44437336	36.946	ppb	m
10) h decane	23.856	44730543	37.190	ppb	m
11) h butylcyclohexane	24.940	49764516	41.375	ppb	m
14) t mtbe #2	9.017	13432667	47.769	ppb	m
15) t benzene #2	14.166	28975834	44.058	ppb	m
17) t toluene #2	18.663	27186226	44.084	ppb	m
19) t ethylbenzene #2	21.798	24102346	44.050	ppb	
20) t m,p-xylene #2	21.940	59102753	88.605	ppb	m
21) t o-xylene #2	22.752	25249033	43.372	ppb	m
22) t 1,3,5-trimethylbenzen...	24.253	36674616	43.888	ppb	
23) t 1,2,4-trimethylbenzen...	24.788	28098058	43.622	ppb	m
24) t naphthalene #2	27.709	25974452	47.511	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	28140845	43.695	ppb	m

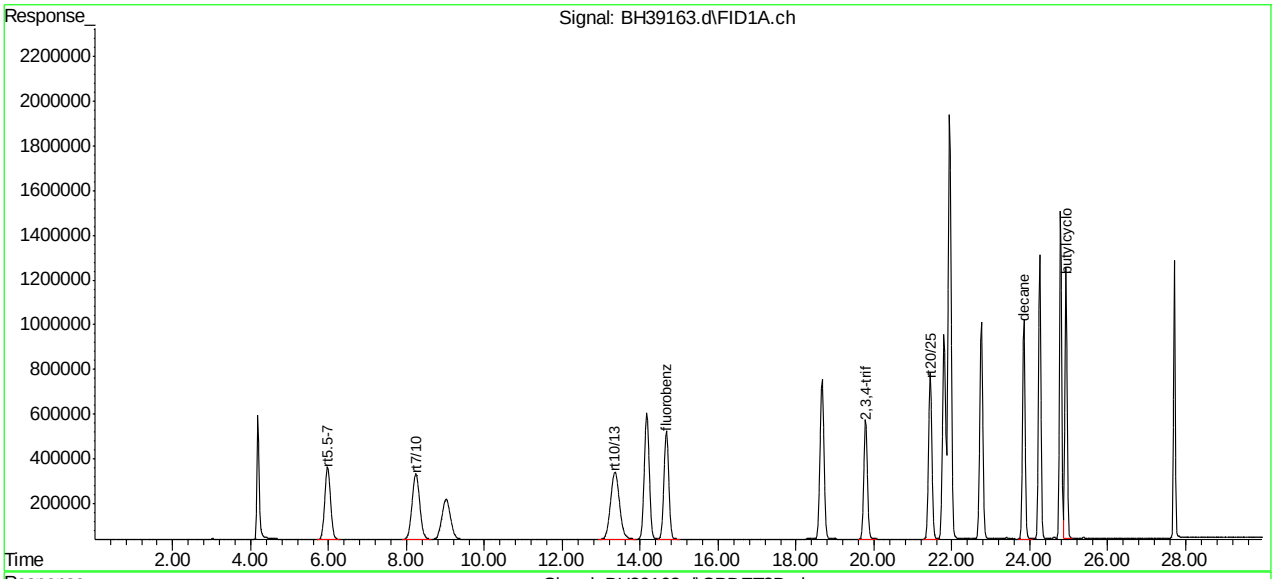
(f)=RT Delta > 1/2 Window (m)=manual int.

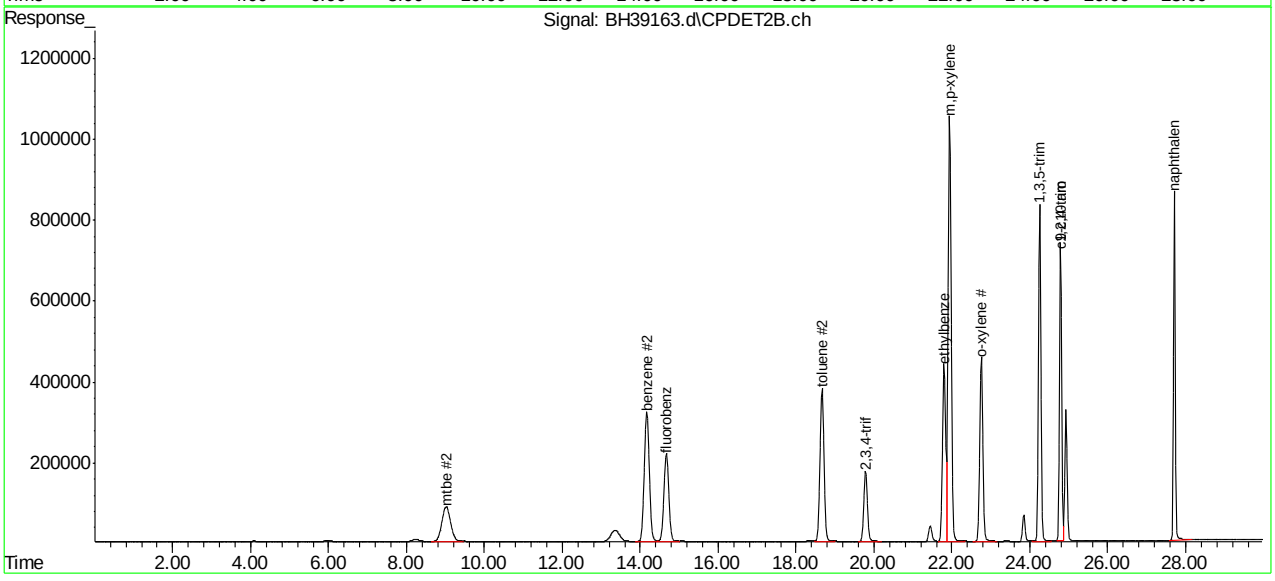
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

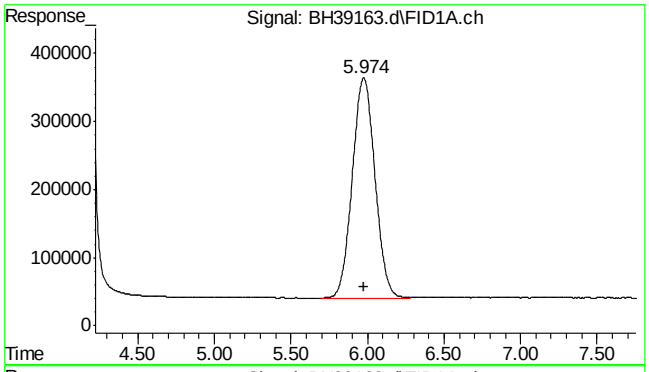
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:04:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



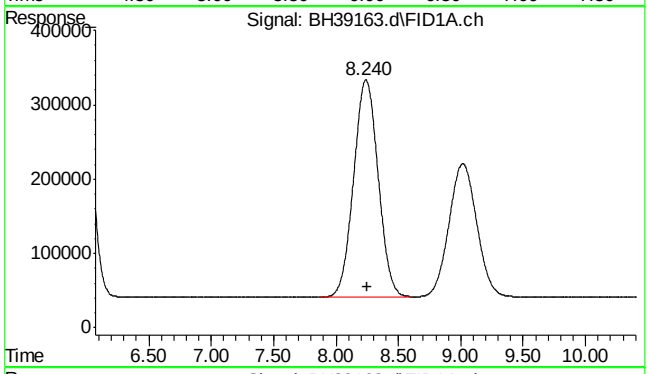


SGS ACCUTEST MC45857



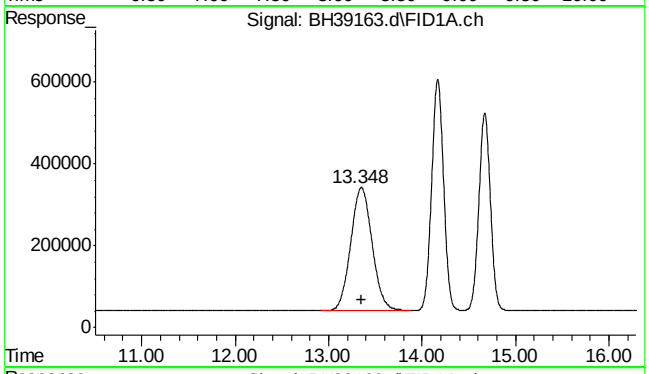
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 33430042
Conc: 32.37 ppb m



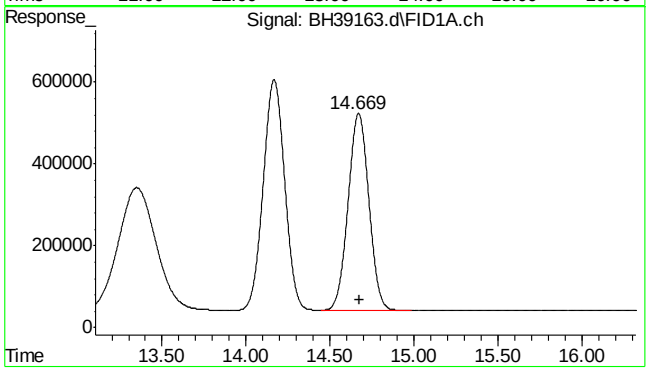
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 40149028
Conc: 38.88 ppb m



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 48722516
Conc: 47.18 ppb m



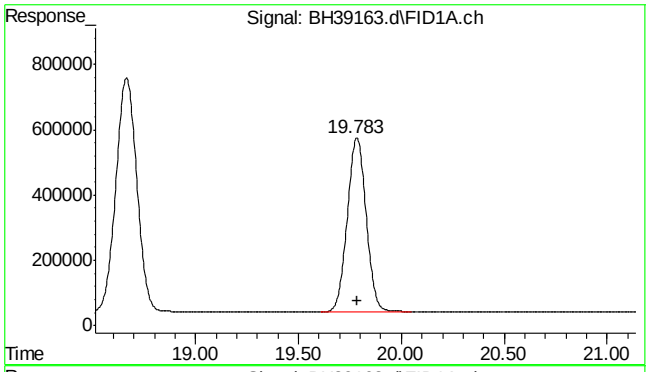
#4 fluorobenzene

R.T.: 14.669 min
Delta R.T.: -0.003 min
Response: 41511126
Conc: 44.21 ppb m

7.3.1

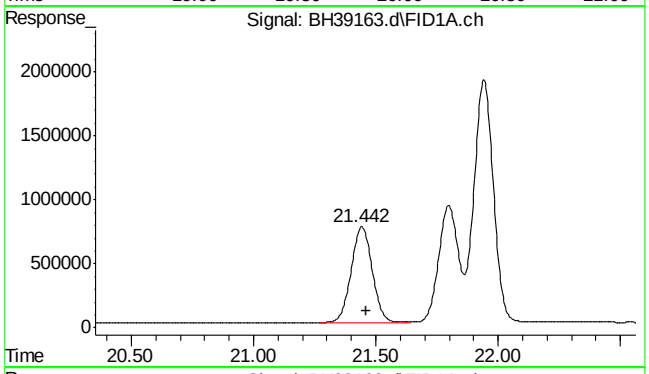
7

SGS ACCUTEST MC45857



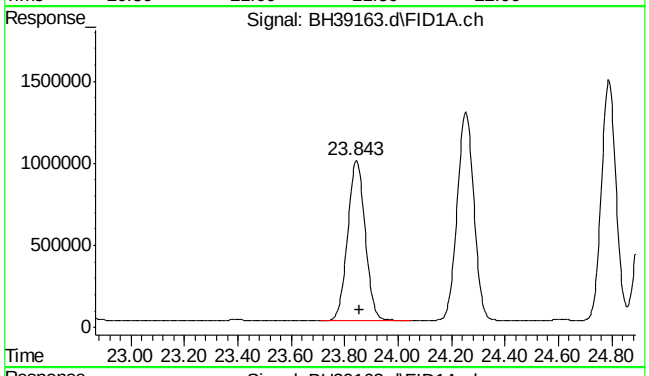
#6 2,3,4-trifluorotoluene

R.T.: 19.783 min
Delta R.T.: -0.003 min
Response: 34234316
Conc: 42.11 ppb m



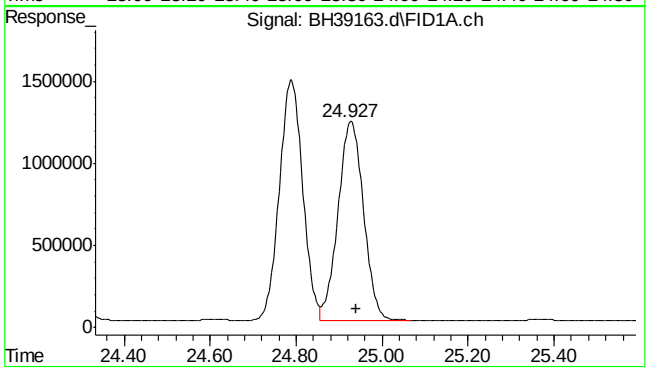
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 44437336
Conc: 36.95 ppb m



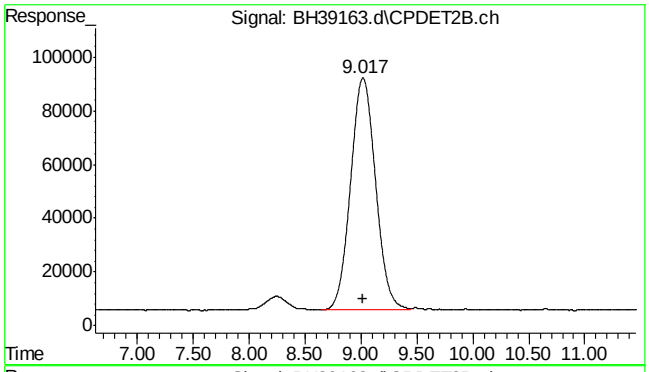
#10 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 44730543
Conc: 37.19 ppb m



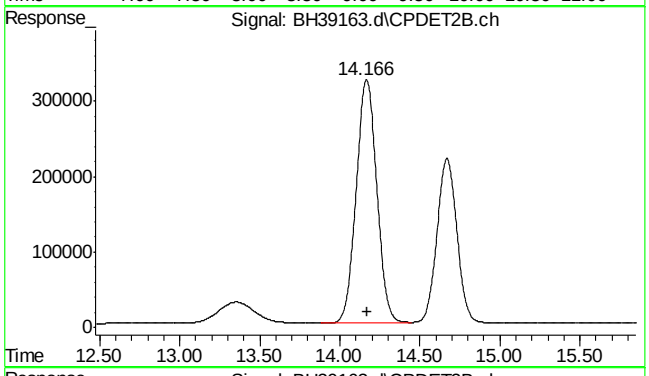
#11 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 49764516
Conc: 41.38 ppb m



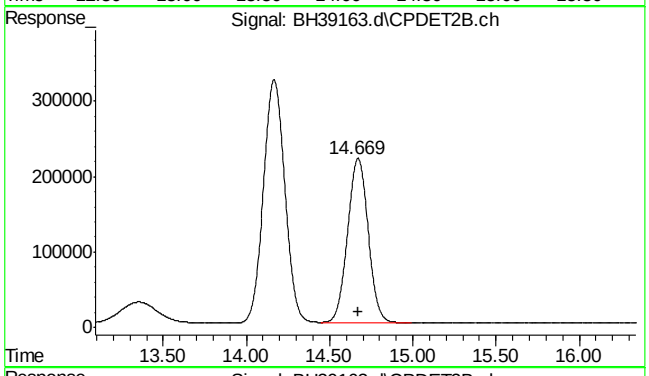
#14 mtbe #2

R.T.: 9.017 min
Delta R.T.: 0.000 min
Response: 13432667
Conc: 47.77 ppb m



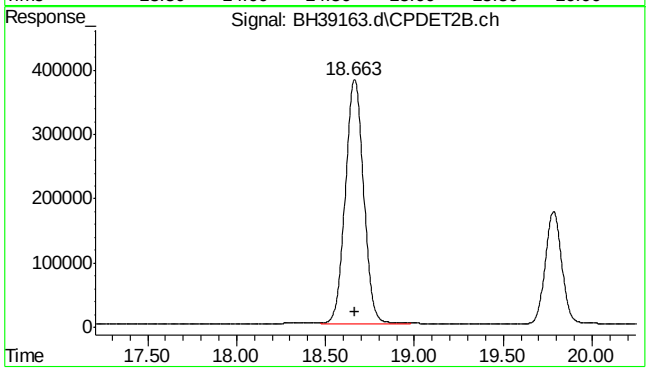
#15 benzene #2

R.T.: 14.166 min
Delta R.T.: -0.004 min
Response: 28975834
Conc: 44.06 ppb m



#16 fluorobenzene #2

R.T.: 14.669 min
Delta R.T.: -0.002 min
Response: 18977423
Conc: 46.69 ppb m



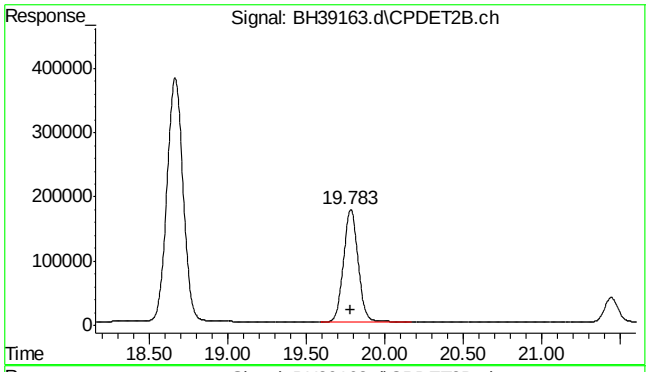
#17 toluene #2

R.T.: 18.663 min
Delta R.T.: -0.003 min
Response: 27186226
Conc: 44.08 ppb m

7.3.1

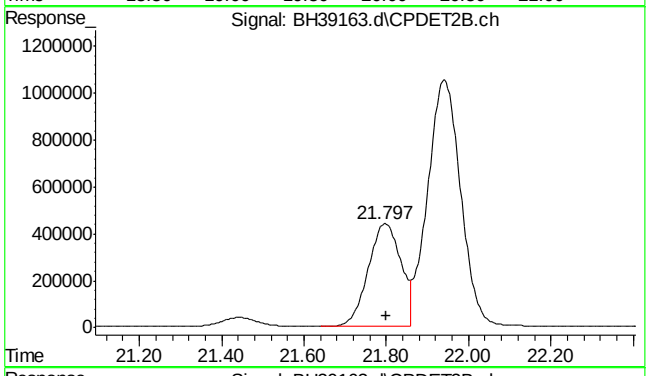
7

SGS ACCUTEST MC45857



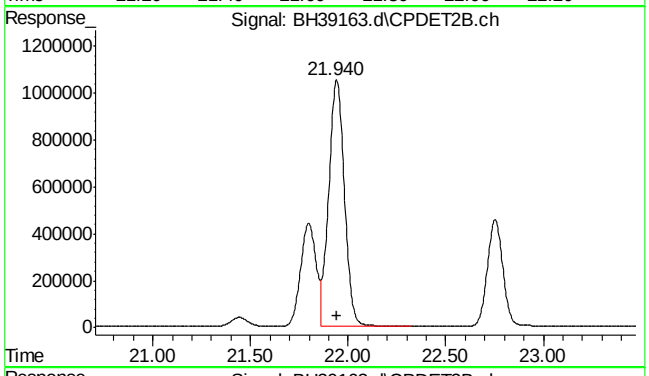
#18 2,3,4-trifluorotoluene #2

R.T.: 19.783 min
Delta R.T.: -0.003 min
Response: 11280673
Conc: 44.42 ppb m



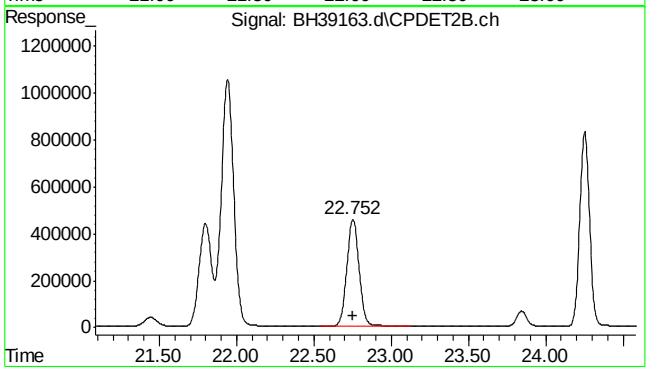
#19 ethylbenzene #2

R.T.: 21.798 min
Delta R.T.: -0.001 min
Response: 24102346
Conc: 44.05 ppb



#20 m,p-xylene #2

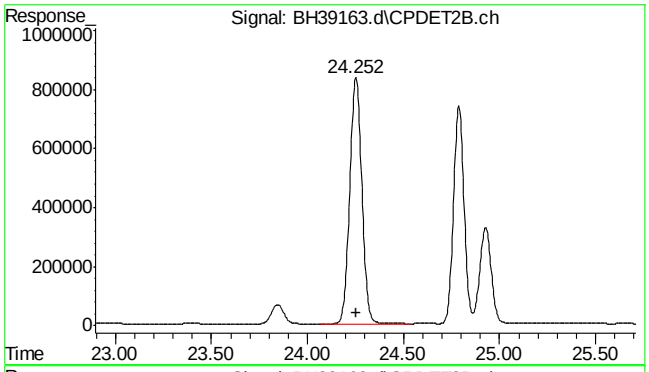
R.T.: 21.940 min
Delta R.T.: -0.003 min
Response: 59102753
Conc: 88.60 ppb m



#21 o-xylene #2

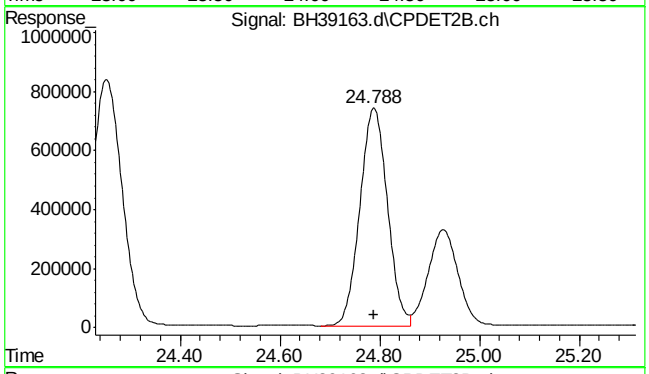
R.T.: 22.752 min
Delta R.T.: -0.003 min
Response: 25249033
Conc: 43.37 ppb m

SGS ACCUTEST MC45857



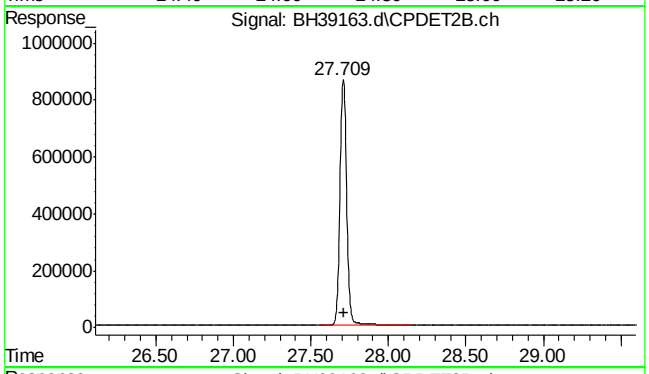
#22 1,3,5-trimethylbenzene #2

R.T.: 24.253 min
Delta R.T.: 0.000 min
Response: 36674616
Conc: 43.89 ppb



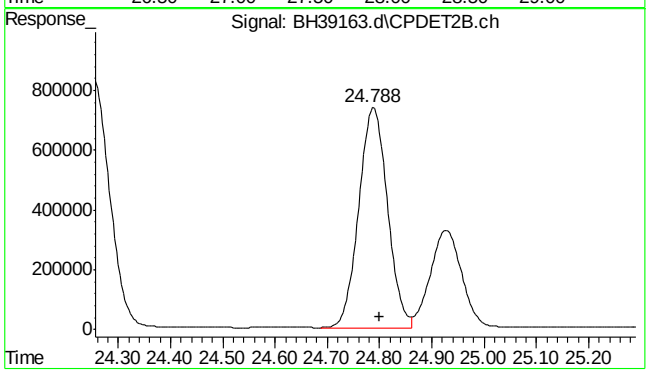
#23 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: -0.002 min
Response: 28098058
Conc: 43.62 ppb m



#24 naphthalene #2

R.T.: 27.709 min
Delta R.T.: 0.000 min
Response: 25974452
Conc: 47.51 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 28140845
Conc: 43.69 ppb m

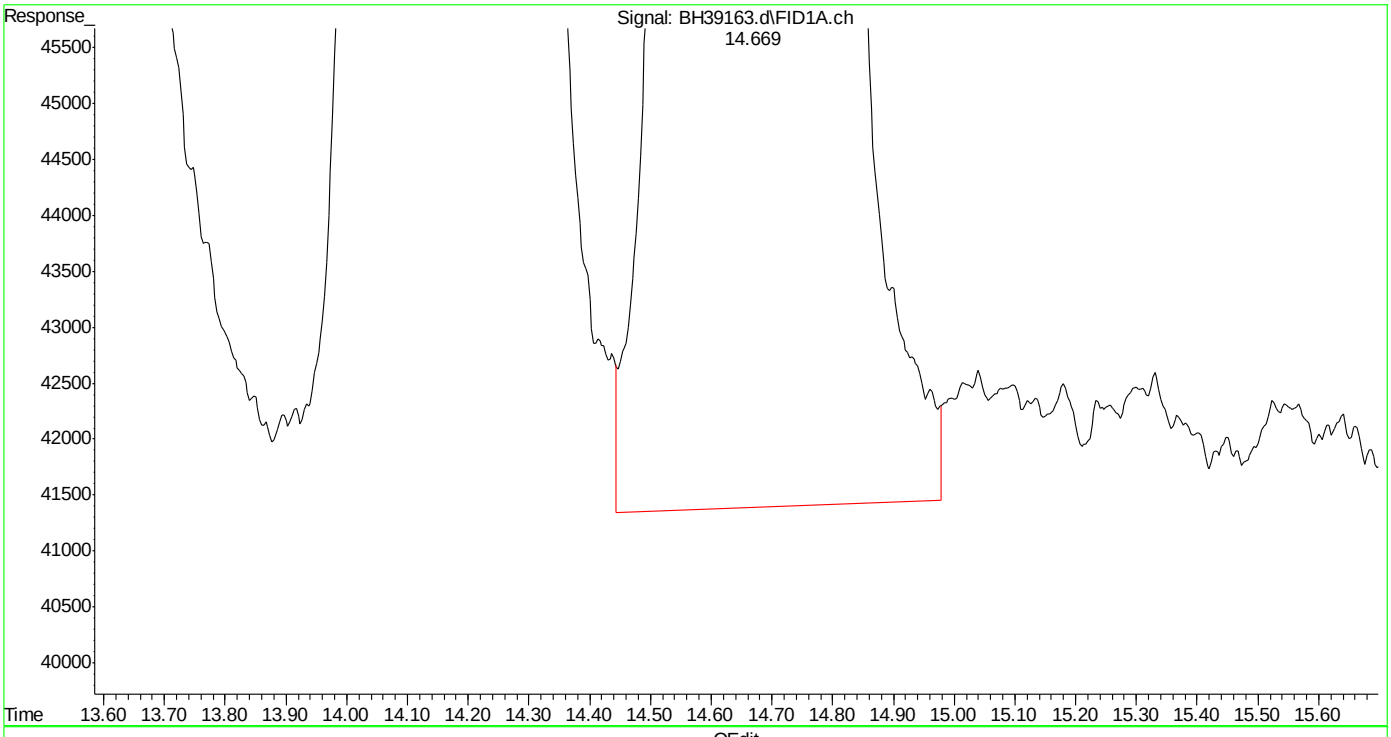
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 44.408 ppb
response 41697862

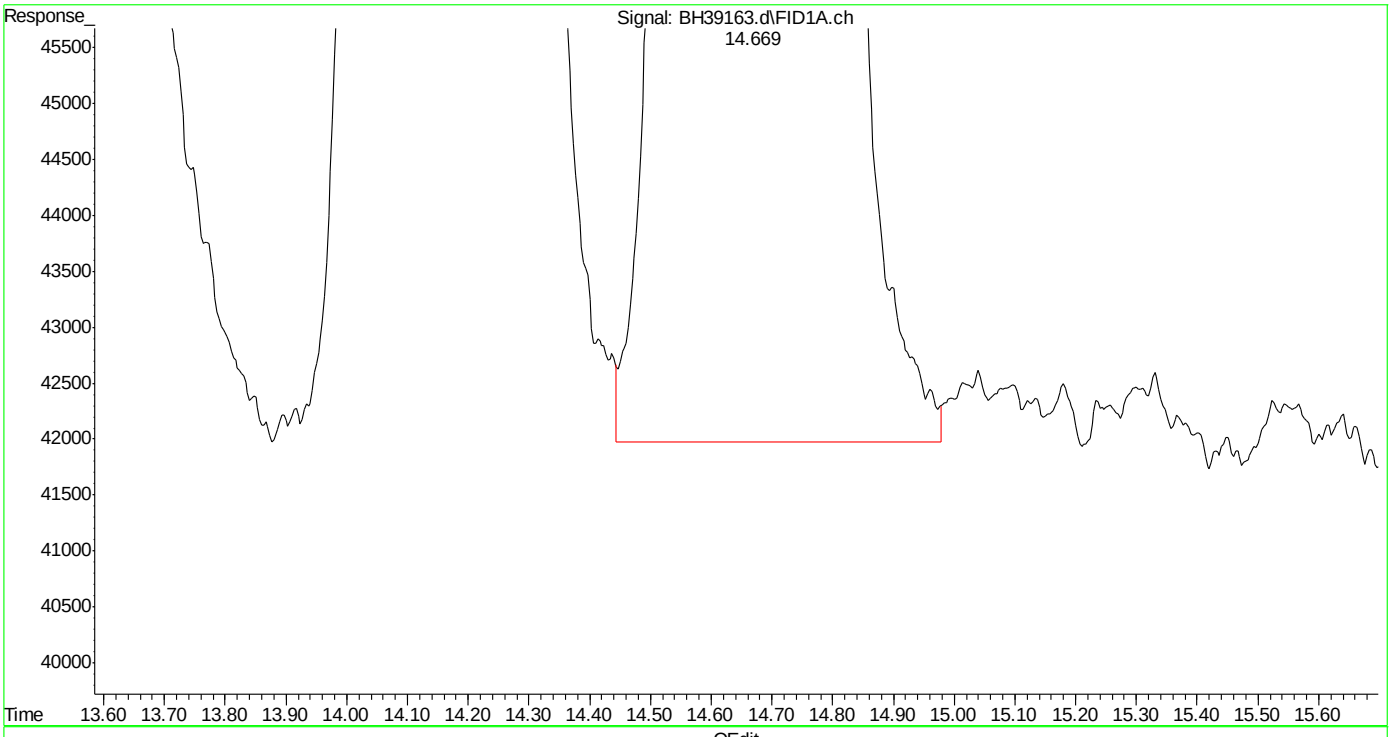
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:01:47 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.669min 44.209 ppb m
response 41511126

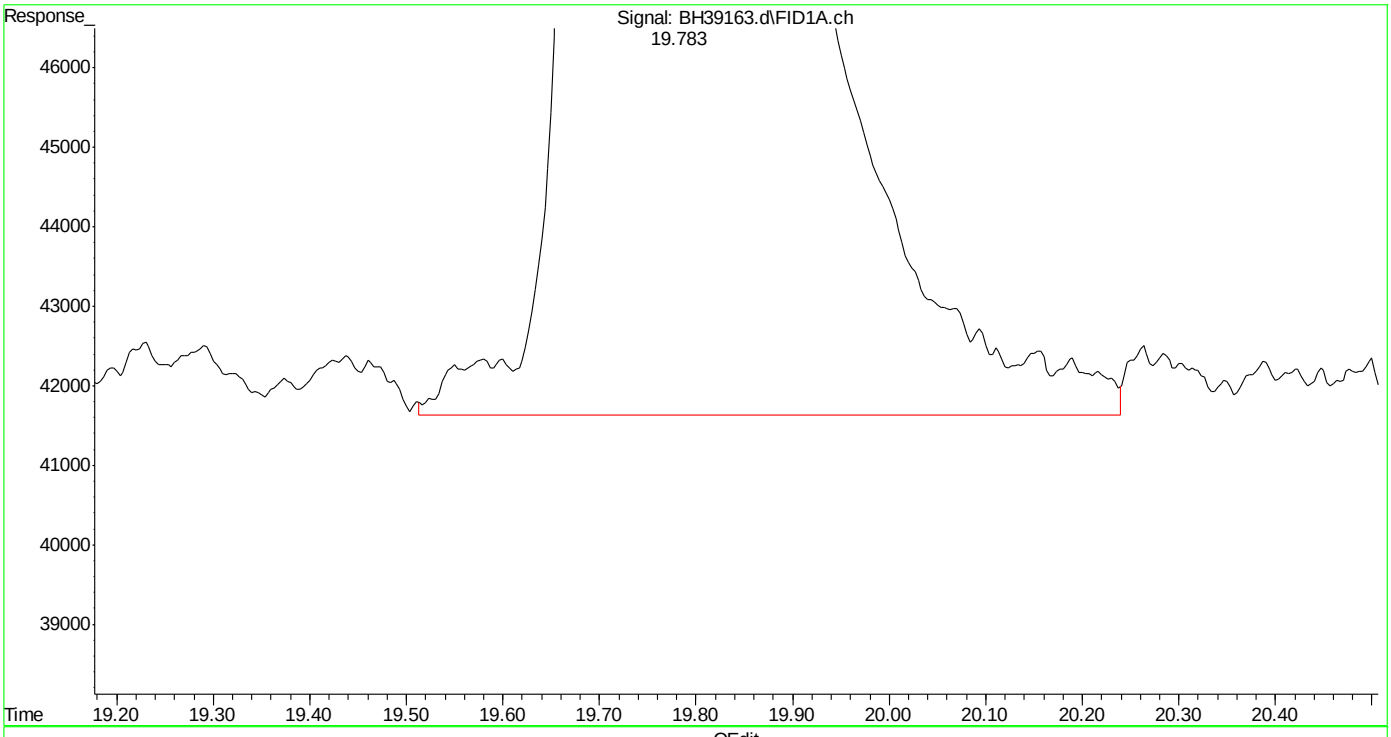
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:01:53 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.784min 42.430 ppb
response 34490617

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:01:59 2016

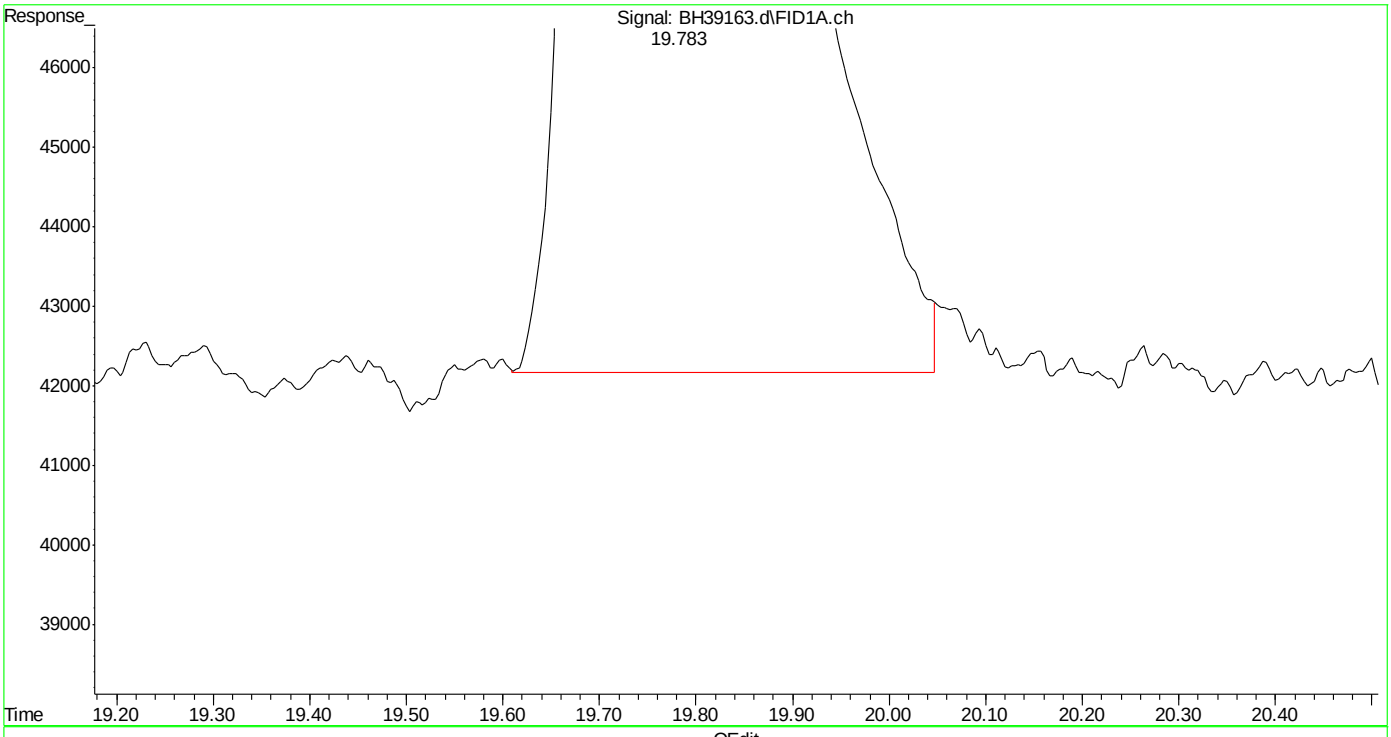
Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.783min 42.115 ppb m
response 34234316

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:02:06 2016

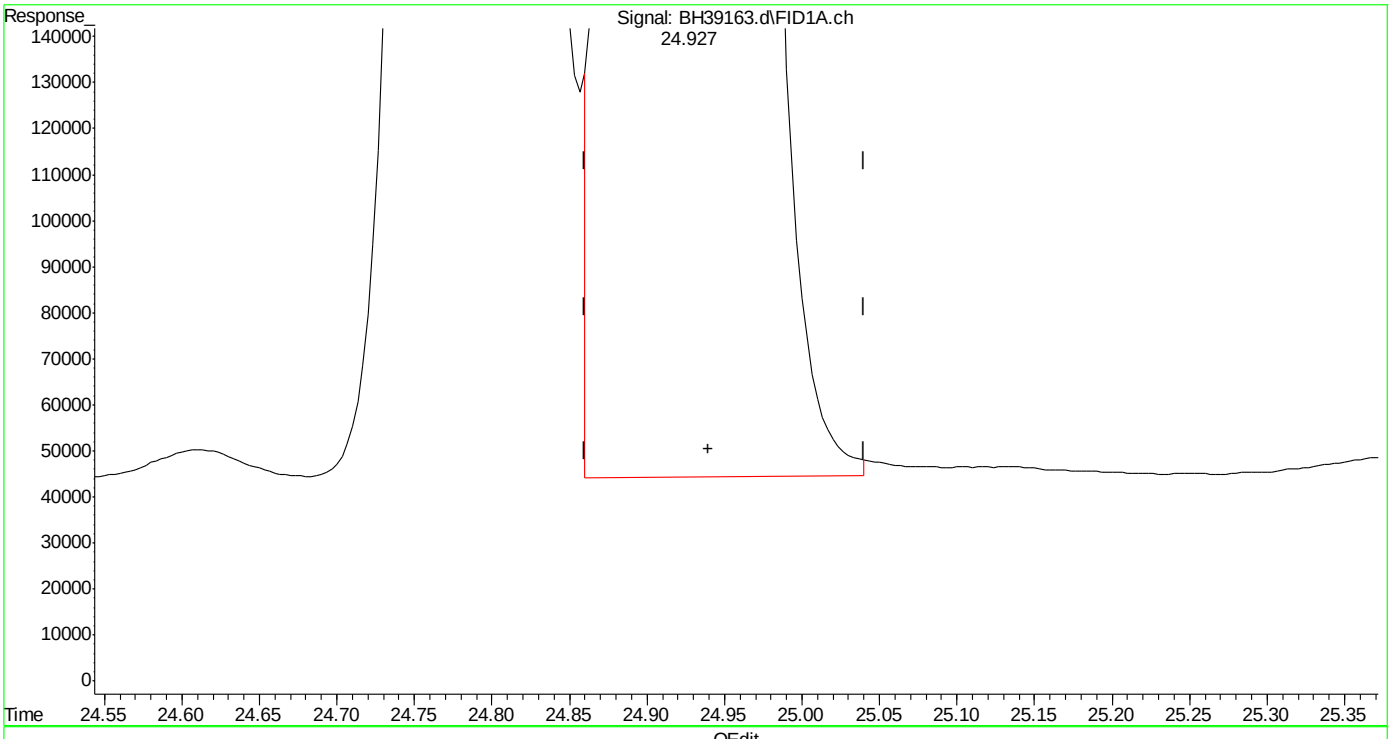
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 40.994 ppb
response 49306132

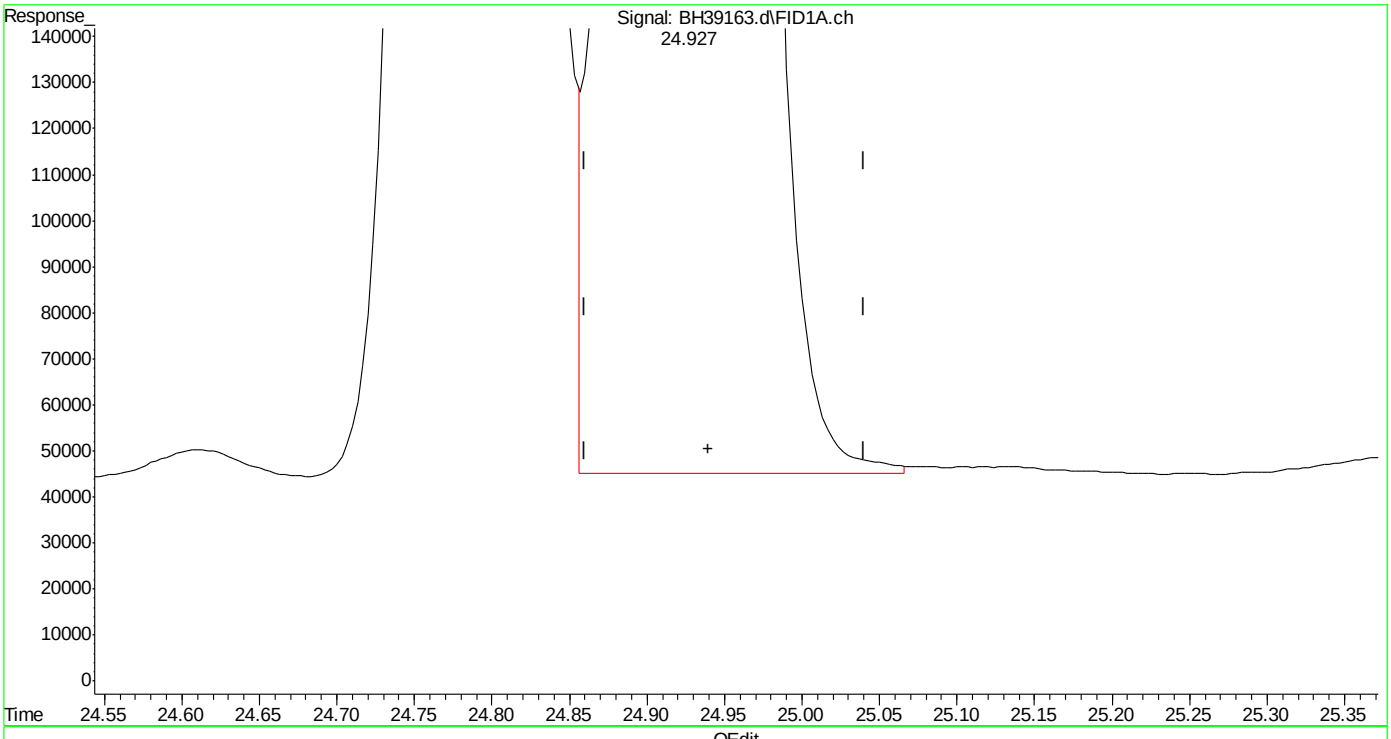
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 41.375 ppb m
response 49764516

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:02:42 2016

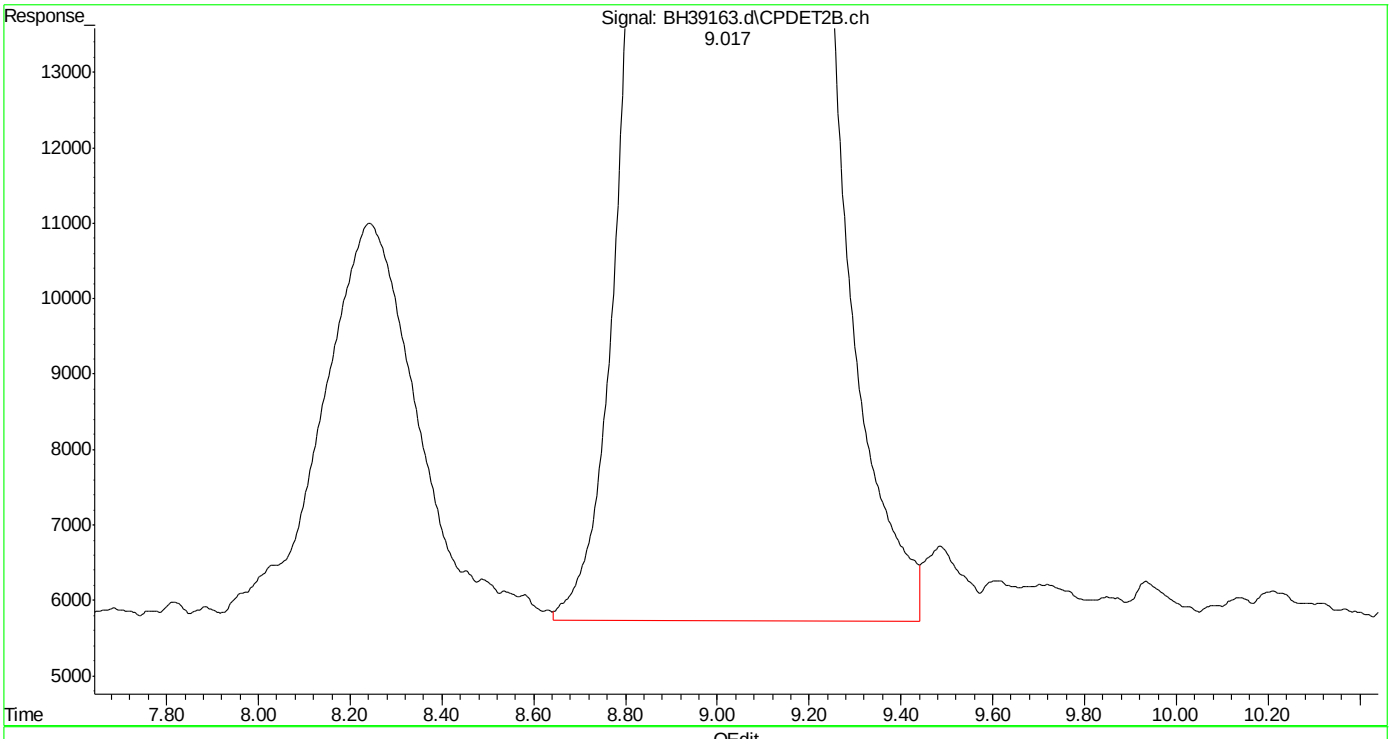
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.018min 47.928 ppb
response 13477390

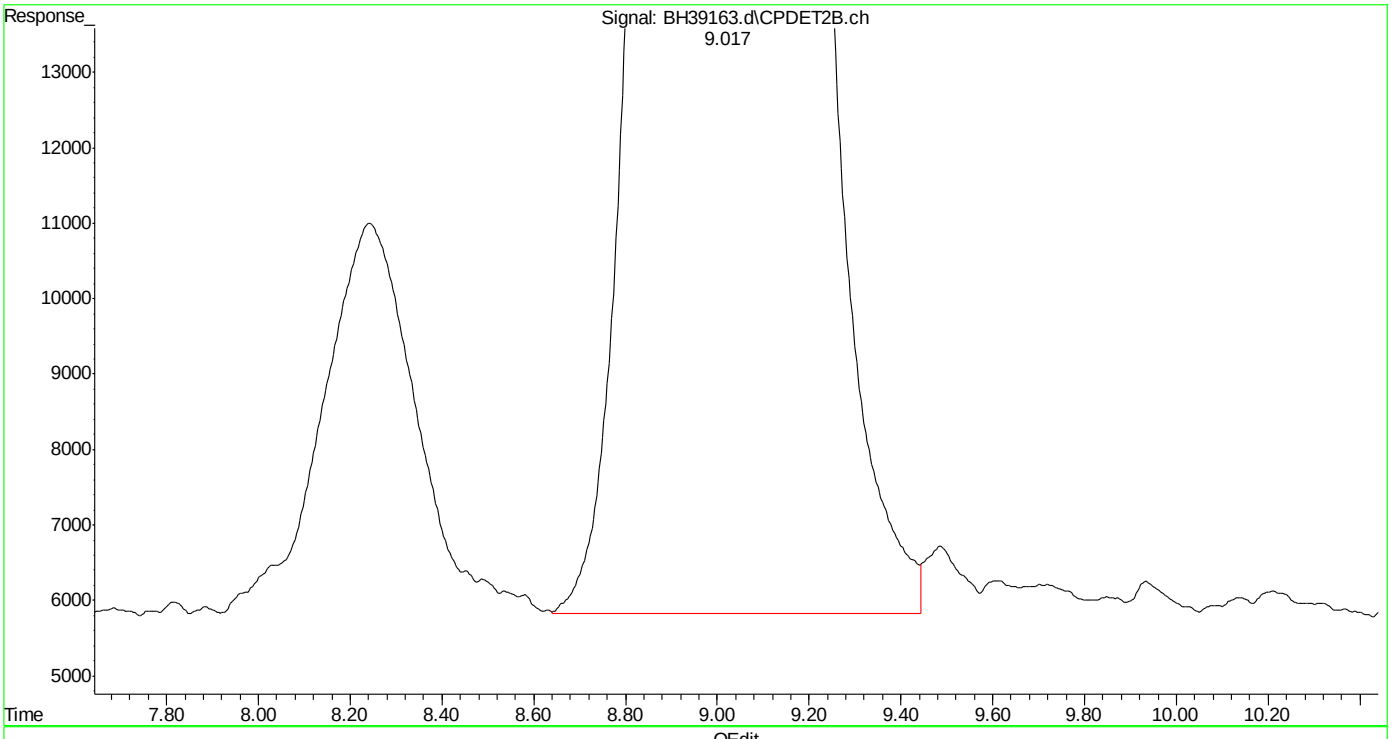
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:02:47 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.017min 47.769 ppb m
response 13432667

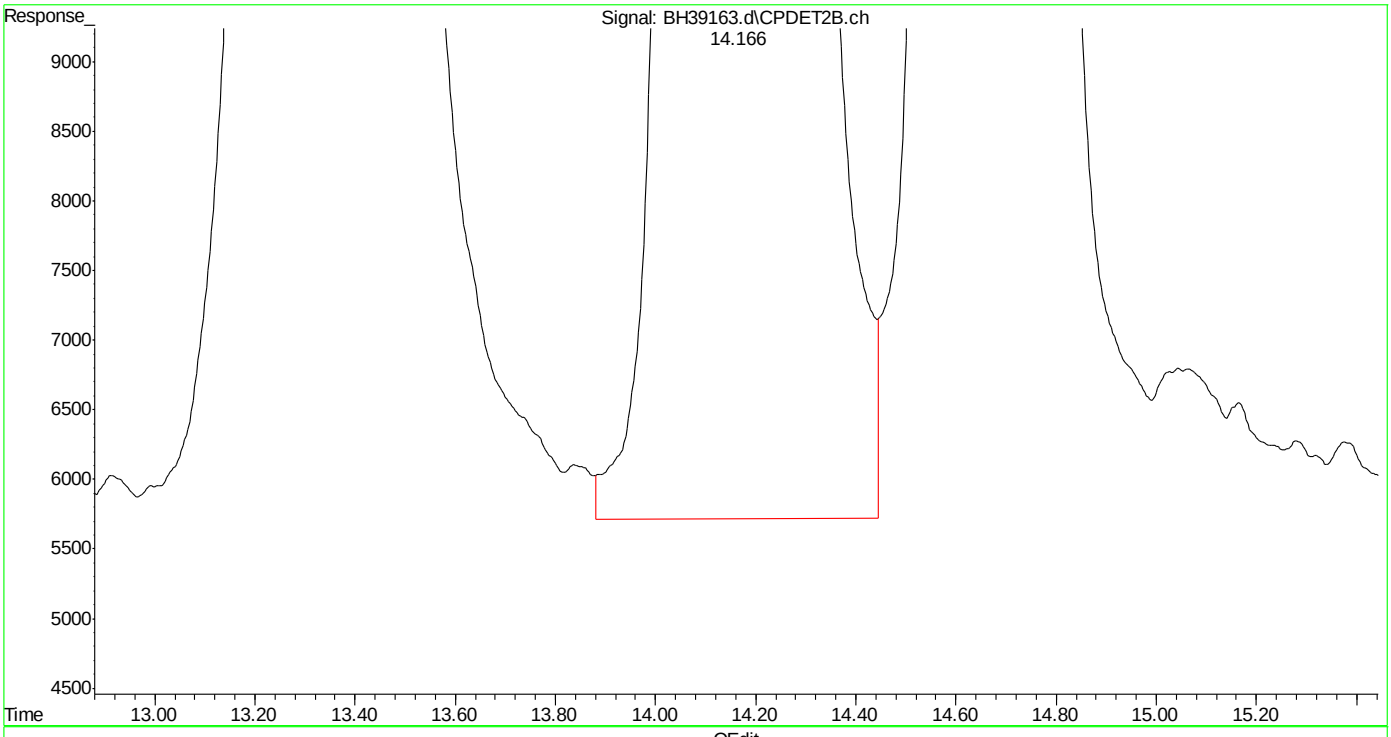
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:02:53 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.167min 44.136 ppb
response 29027360

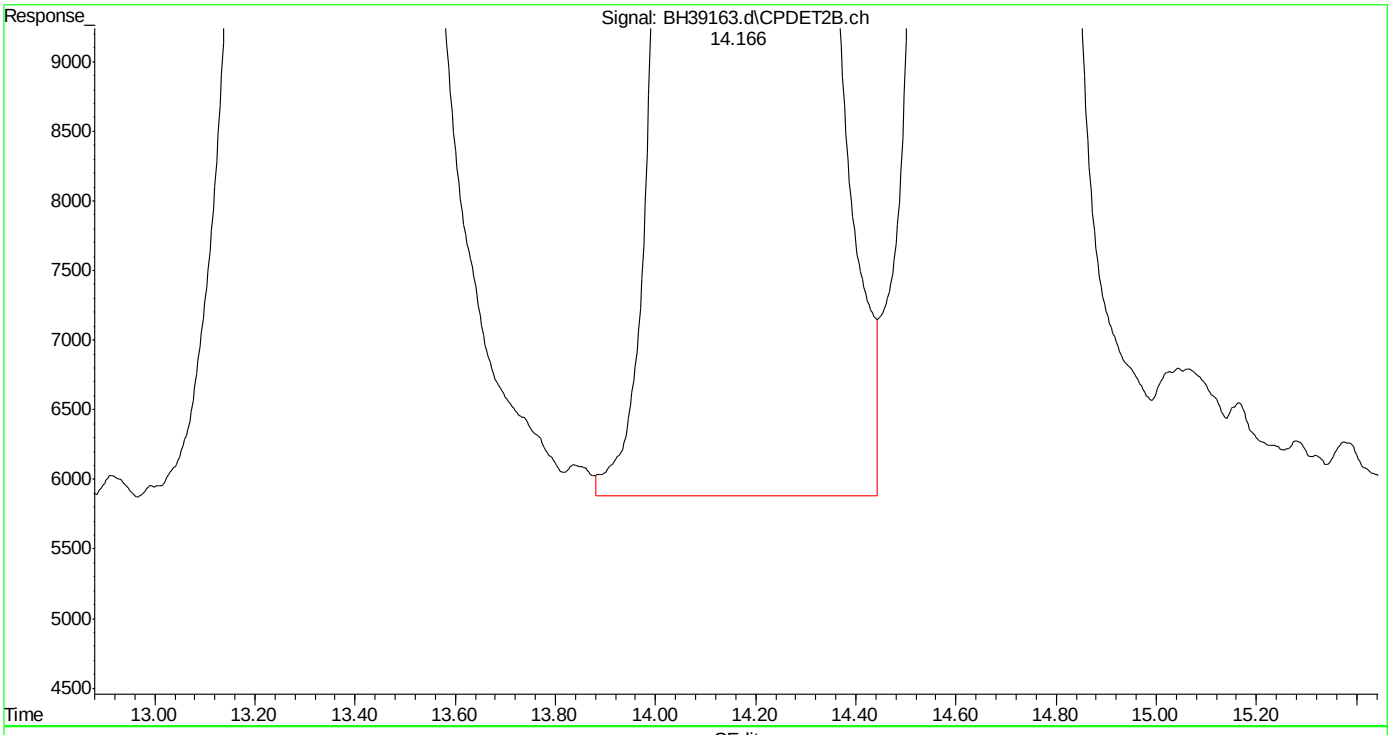
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:02:58 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.166min 44.058 ppb m
response 28975834

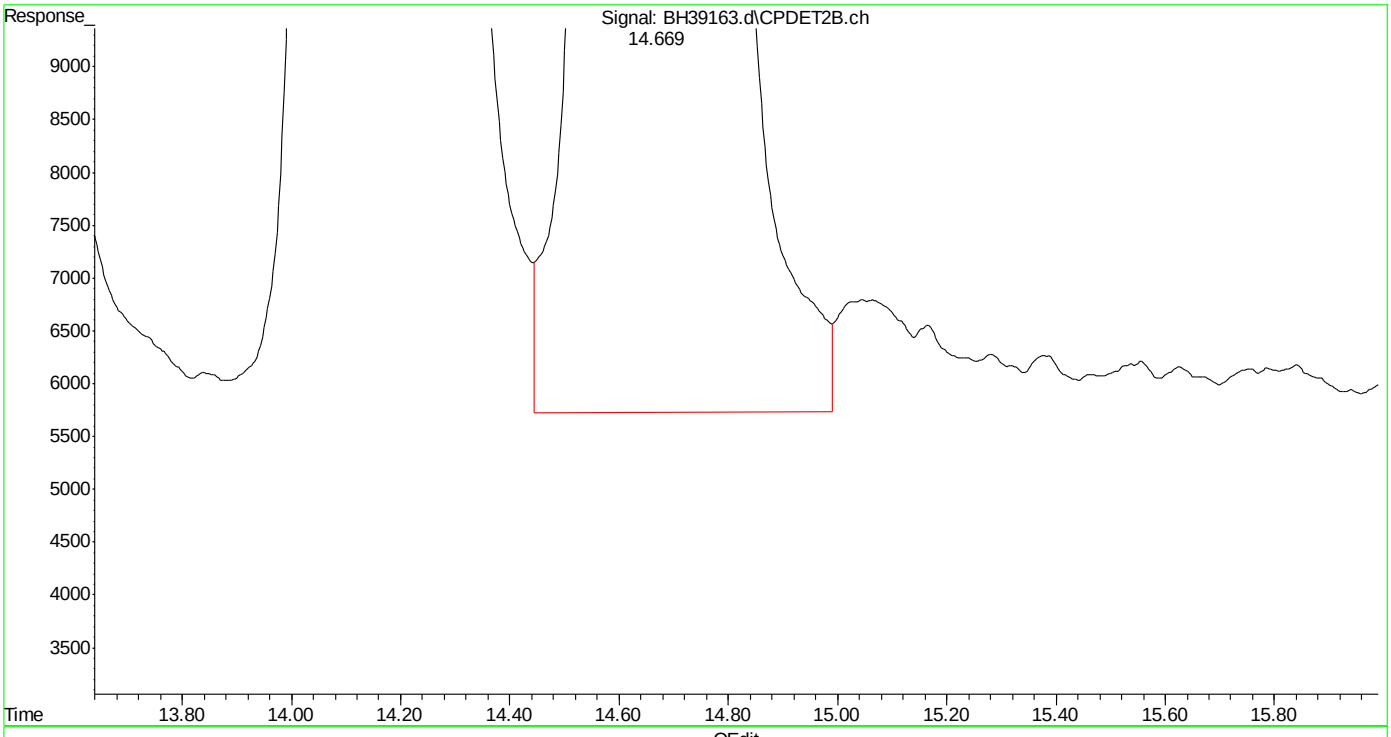
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:03:10 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.670min 46.942 ppb
response 19077912

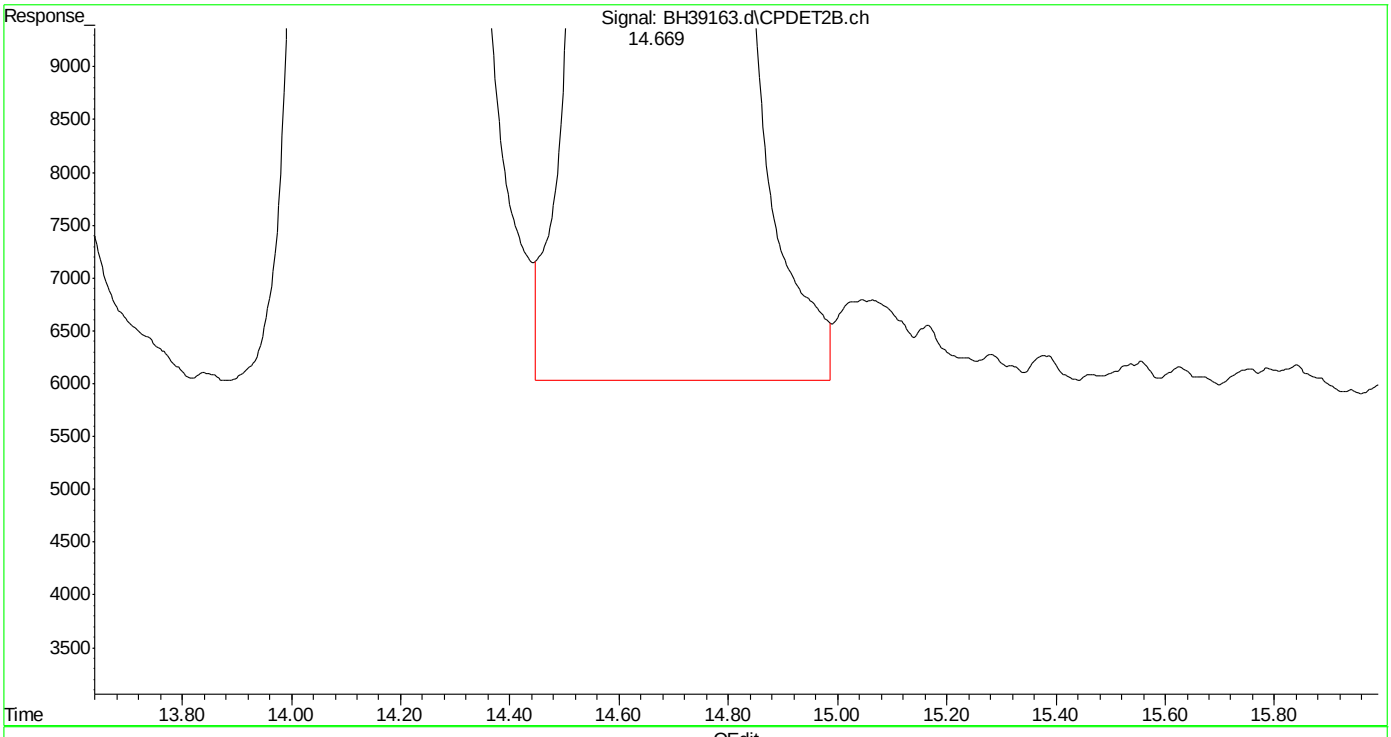
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.669min 46.695 ppb m
response 18977423

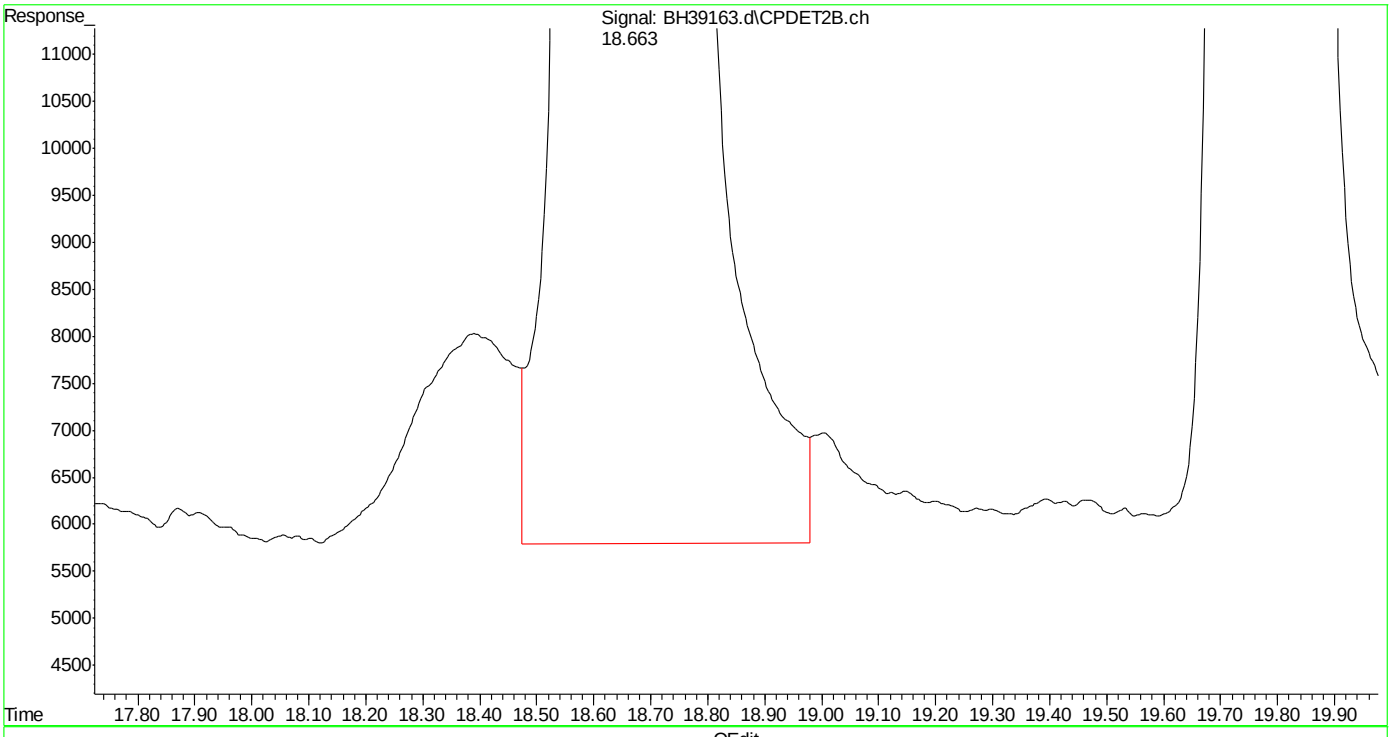
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:03:26 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.665min 44.233 ppb
response 27277711

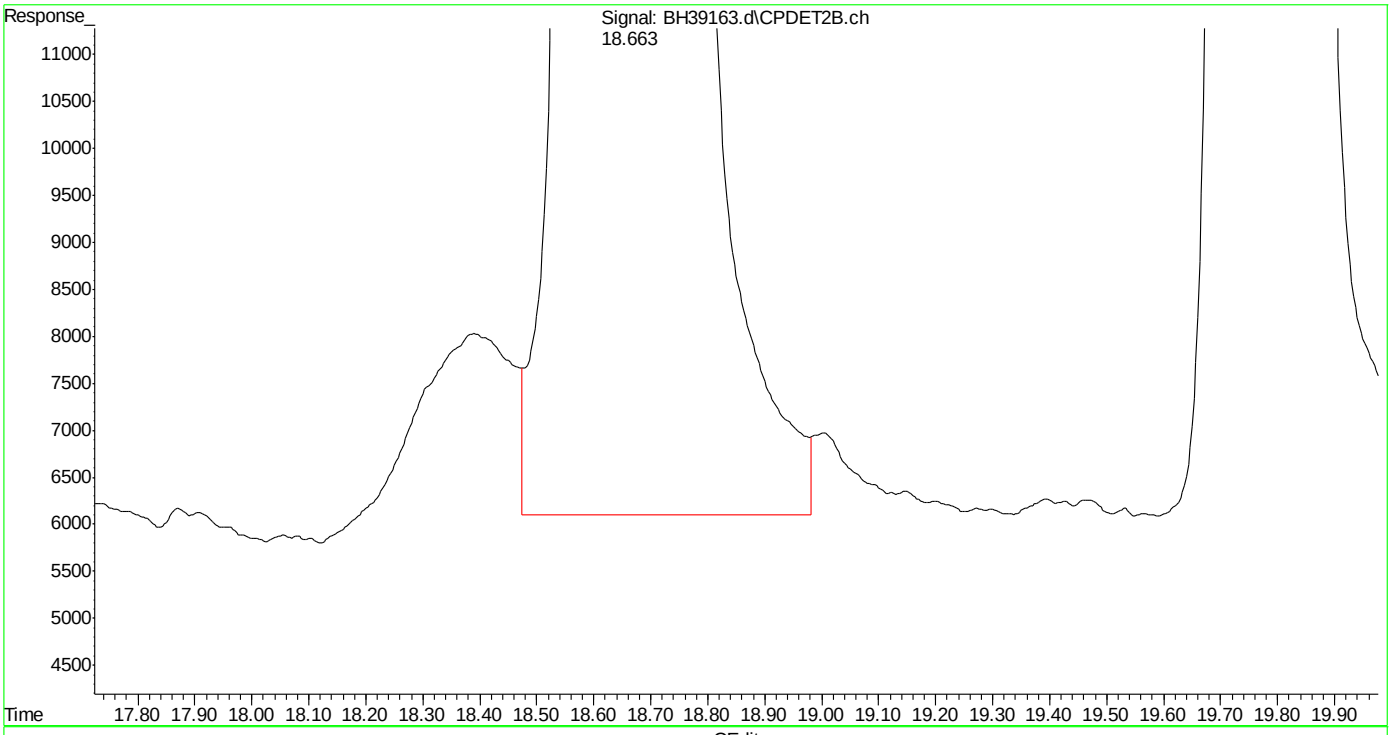
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.663min 44.084 ppb m
response 27186226

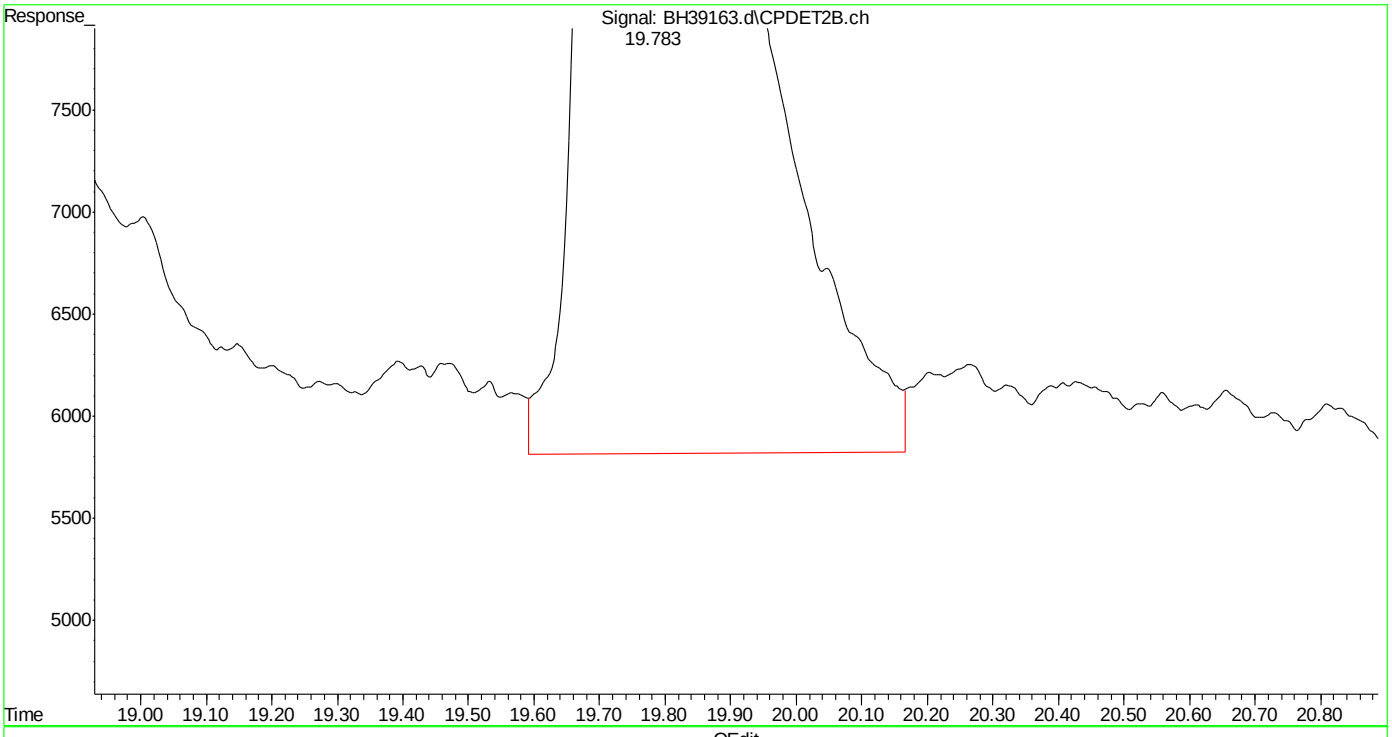
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:03:37 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.784min 44.777 ppb
response 11372317

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:03:42 2016 Page: 1

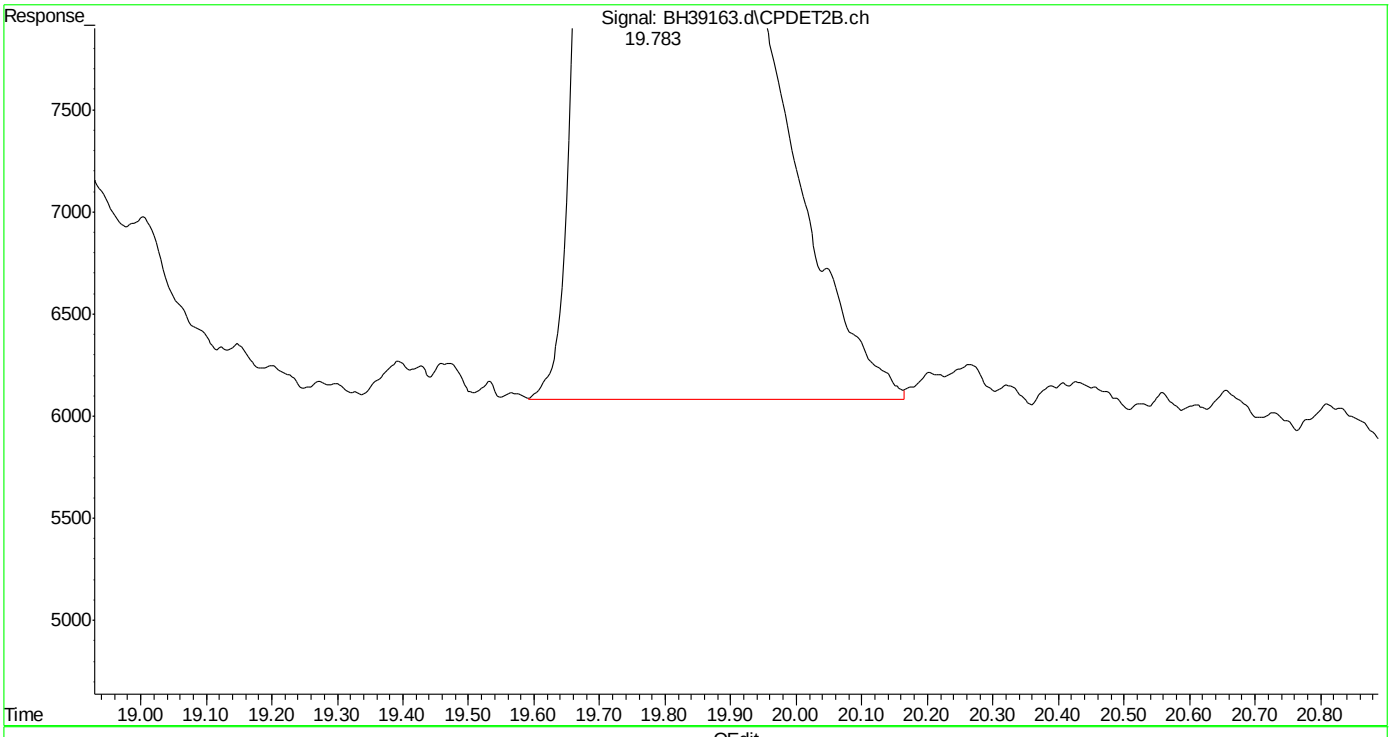
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.783min 44.416 ppb m
response 11280673

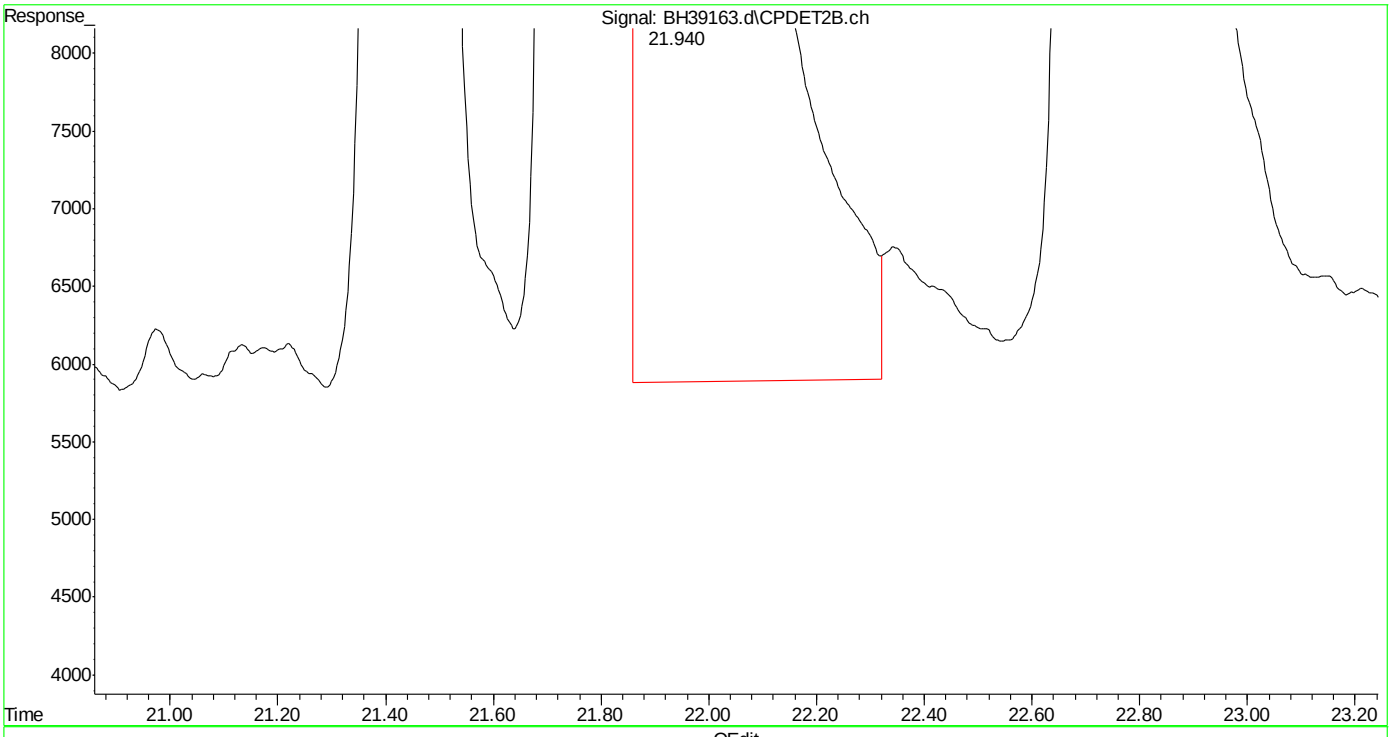
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:03:48 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.942min 88.711 ppb
response 59173348

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:03:55 2016

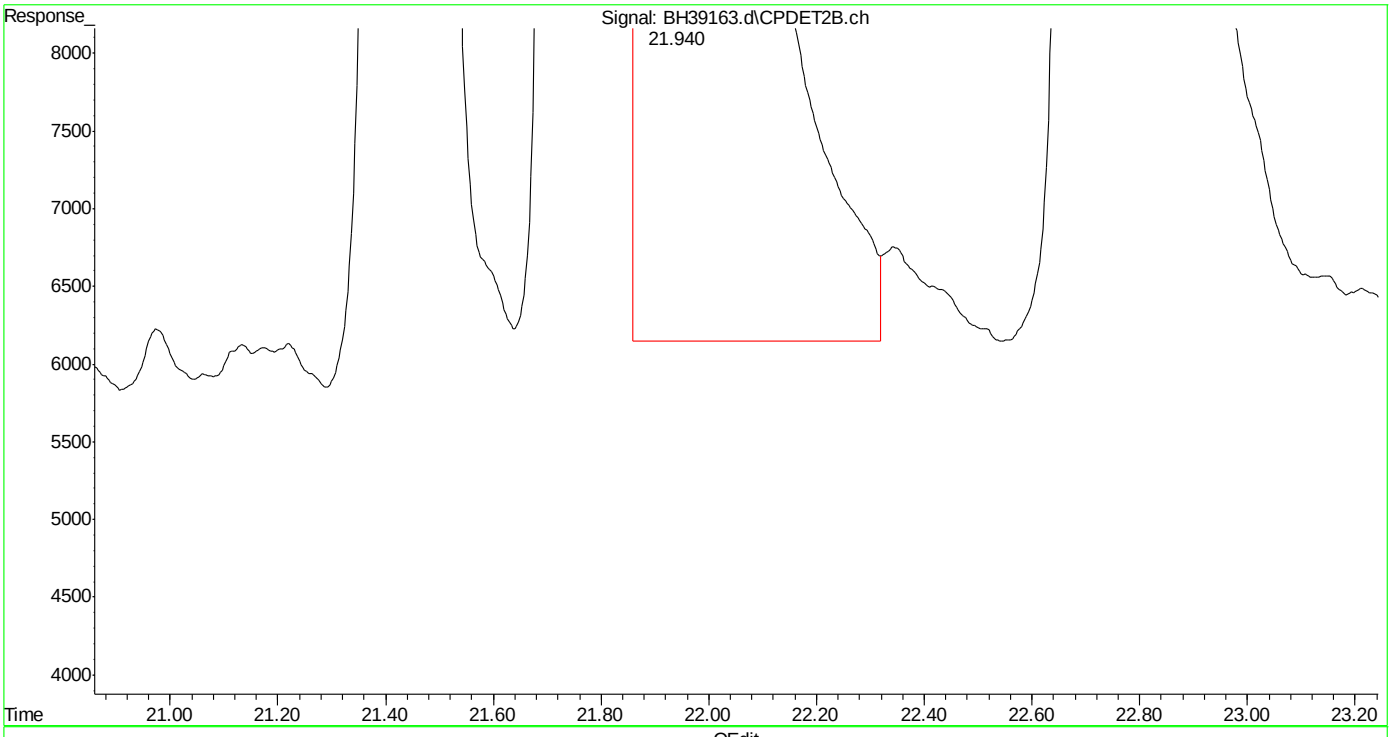
Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.940min 88.605 ppb m
response 59102753

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:04:04 2016

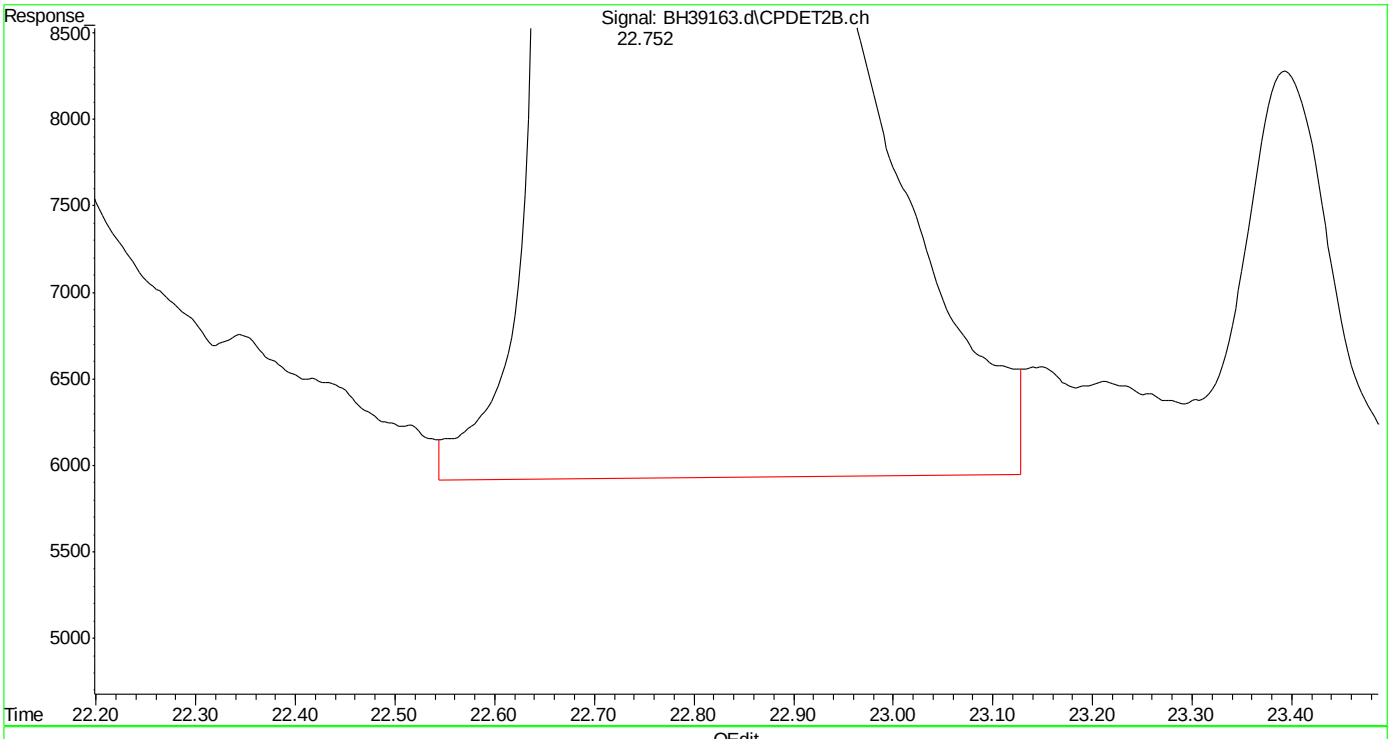
Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.753min 43.502 ppb
response 25324505

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:04:11 2016

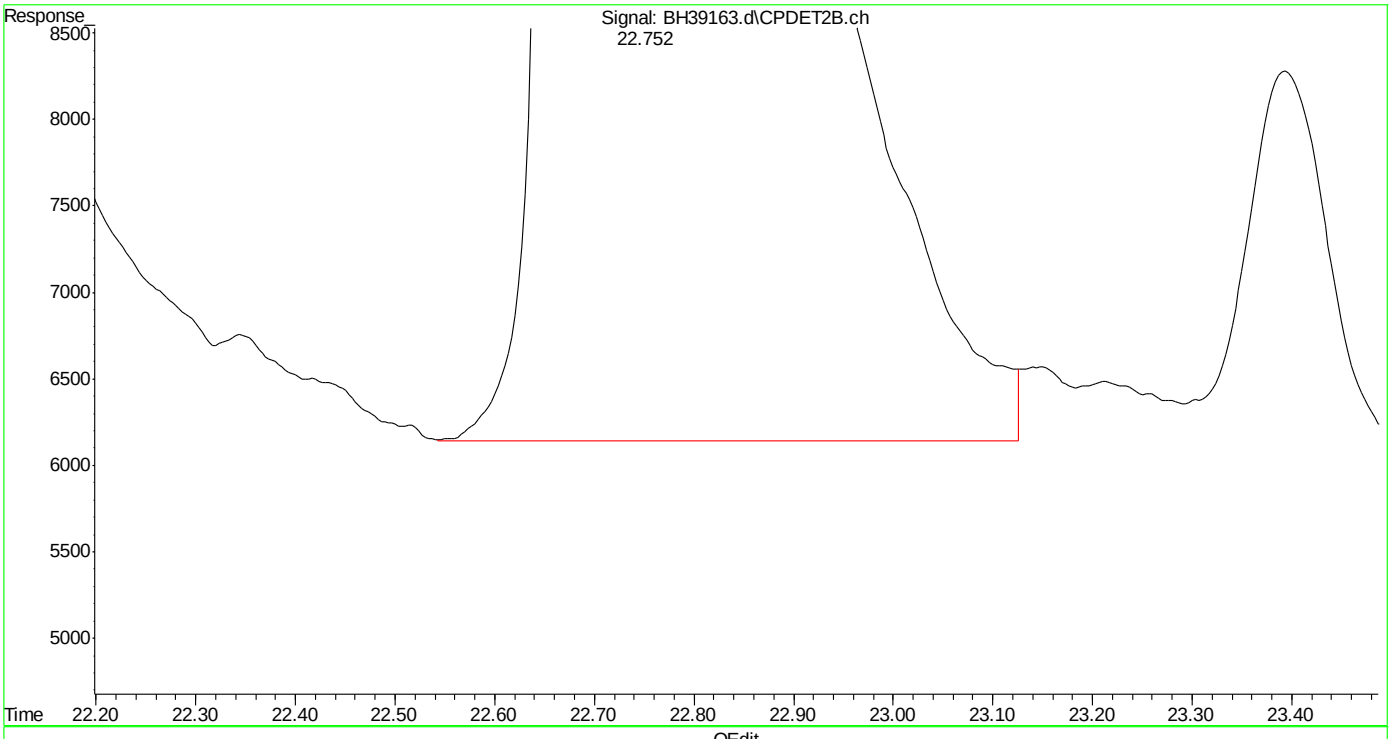
Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.752min 43.372 ppb m
response 25249033

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:04:16 2016

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016   1:15 pm
Operator  : danielf
Sample    : bsp,w,vmavph,00
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 5   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
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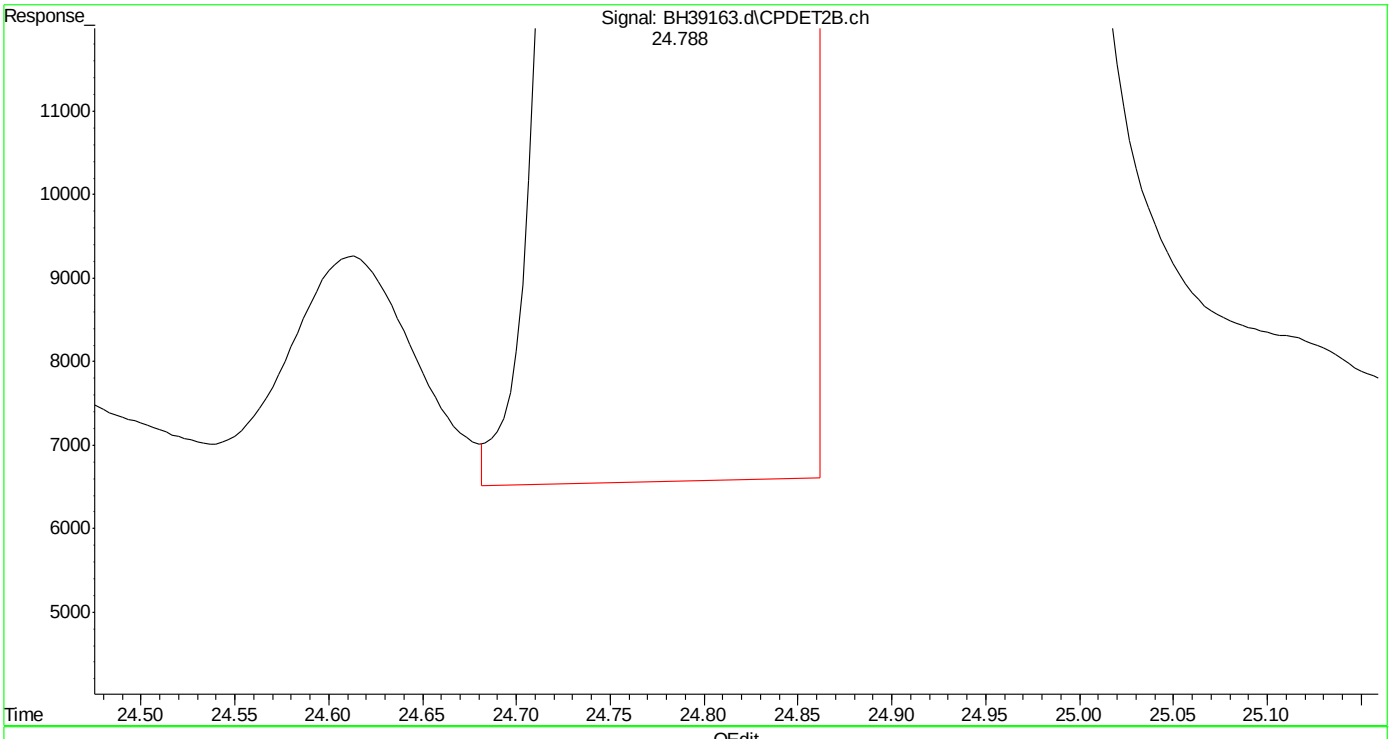


(23) 1,2,4-trimethylbenzene #2 (t)

24.789min 43.663 ppb

response 28123992

(+) = Expected Retention Time

bh160512vph.m Thu May 12 14:04:24 2016

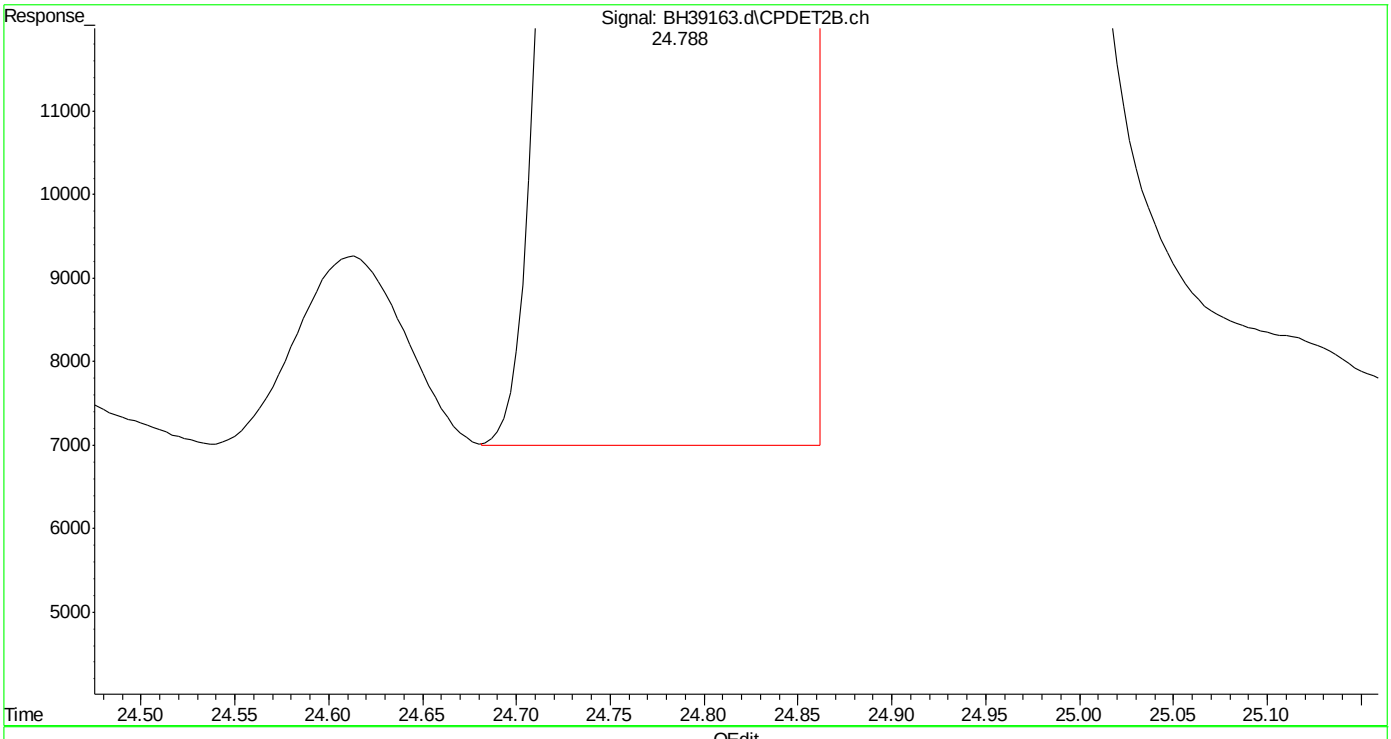
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.788min 43.622 ppb m
response 28098058

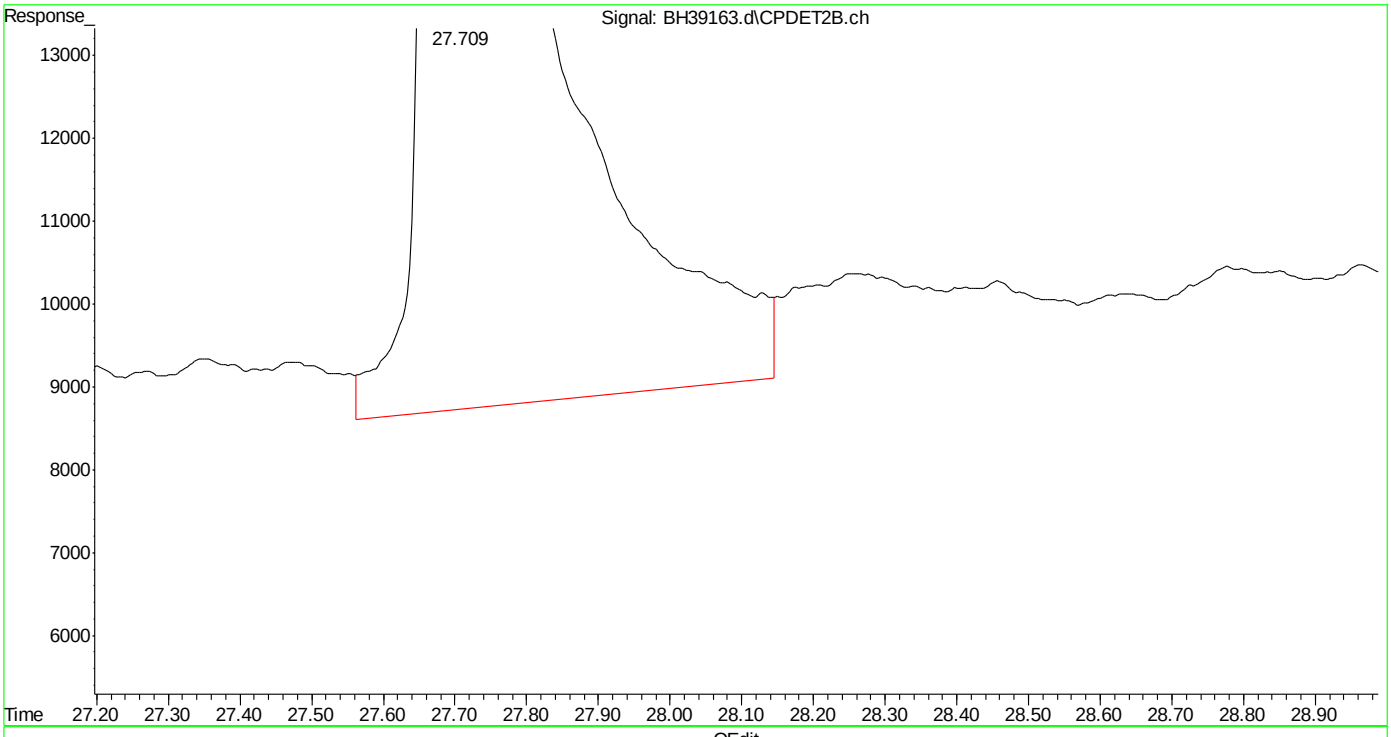
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:04:33 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 47.858 ppb
response 26163991

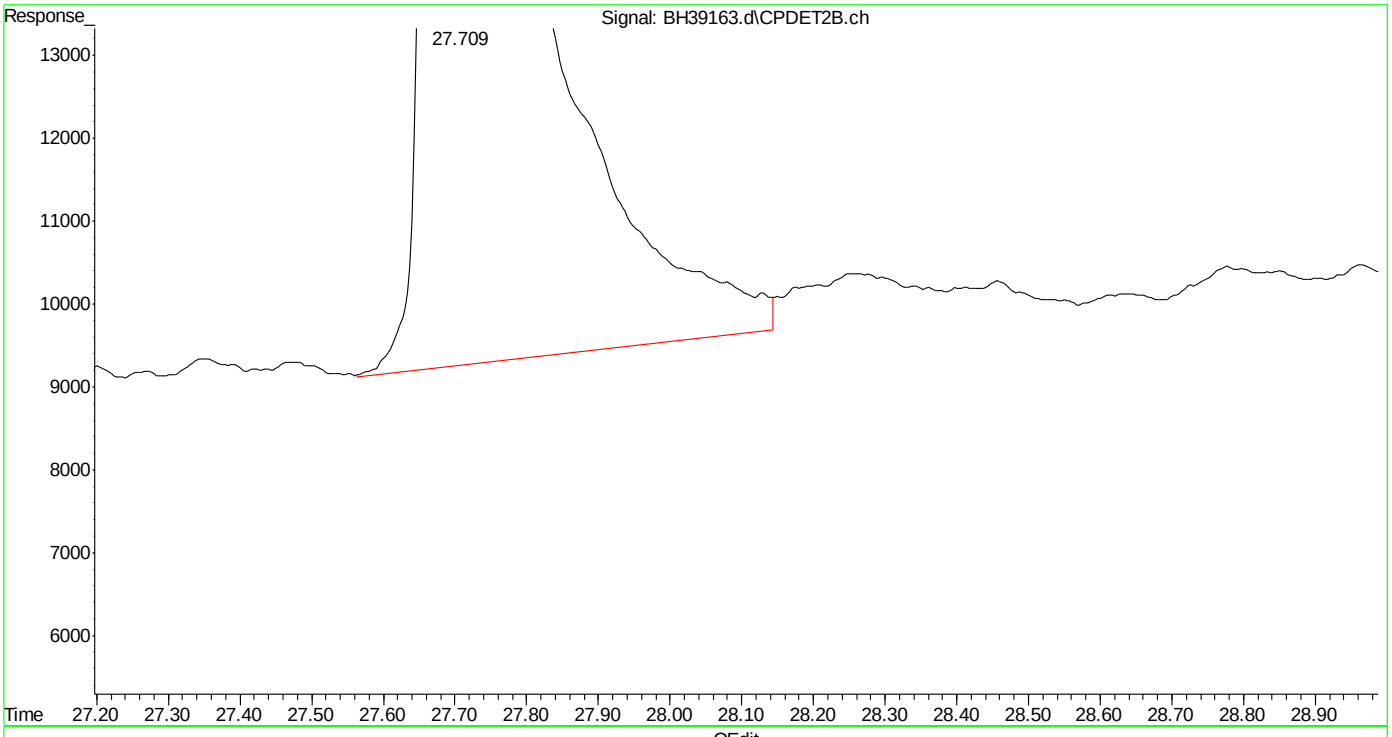
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:04:37 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39163.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:15 pm
Operator : danielf
Sample : bsp,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:01:16 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.709min 47.511 ppb m
response 25974452

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:04:44 2016

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:26:13 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
4) s fluorobenzene	14.668	41645865	44.353 ppb	m
Spiked Amount 50.000		Recovery	= 88.71%	
6) s 2,3,4-trifluorotoluene	19.783	34327236	42.229 ppb	m
Spiked Amount 50.000		Recovery	= 84.46%	
16) s fluorobenzene #2	14.669	19088094	46.967 ppb	m
Spiked Amount 50.000		Recovery	= 93.93%	
18) s 2,3,4-trifluorotoluen...	19.783	11318233	44.564 ppb	m
Spiked Amount 50.000		Recovery	= 89.13%	
Target Compounds				
1) h rt5.5-7	5.980	33352783	32.295 ppb	m
2) h rt7/10	8.250	40063858	38.793 ppb	m
3) h rt10/13	13.360	48815763	47.268 ppb	m
8) h rt20/25	21.460	44747211	37.204 ppb	m
10) h decane	23.856	45056002	37.460 ppb	m
11) h butylcyclohexane	24.940	49994261	41.566 ppb	m
14) t mtbe #2	9.015	13545100	48.169 ppb	m
15) t benzene #2	14.166	29086031	44.225 ppb	m
17) t toluene #2	18.663	27324177	44.308 ppb	m
19) t ethylbenzene #2	21.798	24195763	44.221 ppb	
20) t m,p-xylene #2	21.940	58999084	88.449 ppb	m
21) t o-xylene #2	22.752	25332962	43.517 ppb	m
22) t 1,3,5-trimethylbenzen...	24.253	36770447	44.002 ppb	
23) t 1,2,4-trimethylbenzen...	24.788	28217001	43.807 ppb	m
24) t naphthalene #2	27.711	25979563	47.521 ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	28125897	43.671 ppb	m

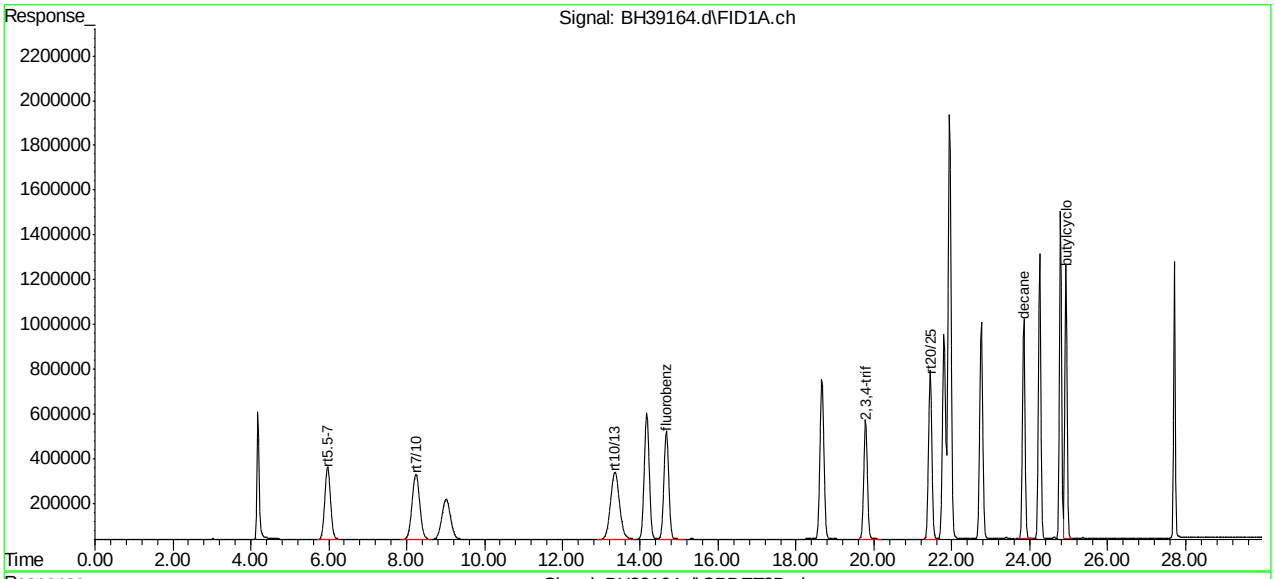
(f)=RT Delta > 1/2 Window (m)=manual int.

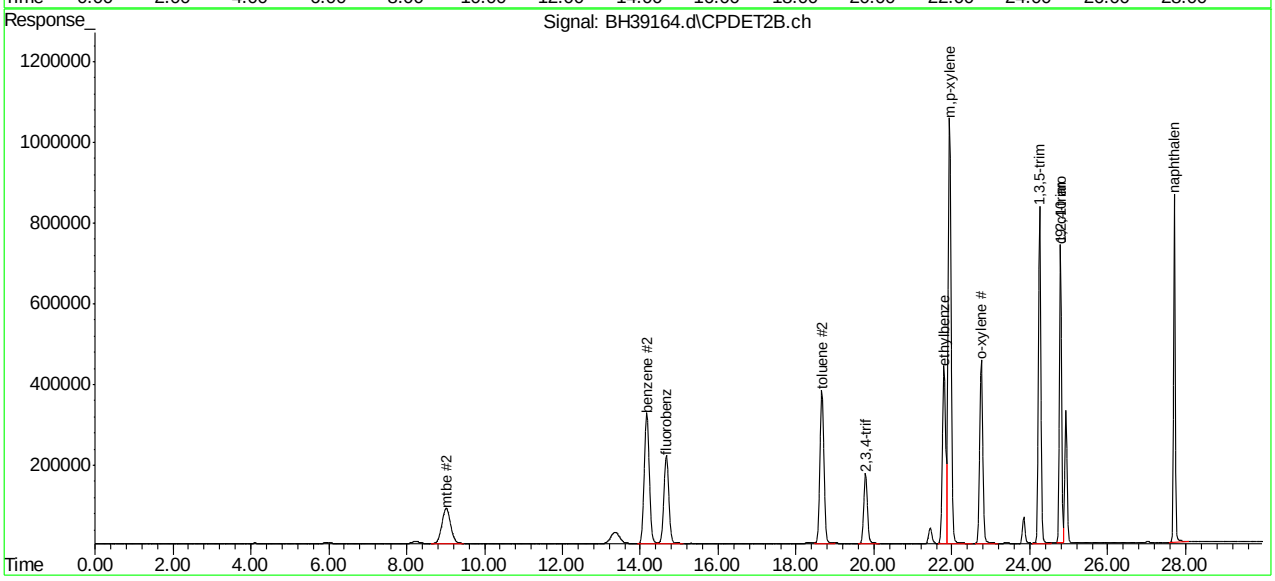
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

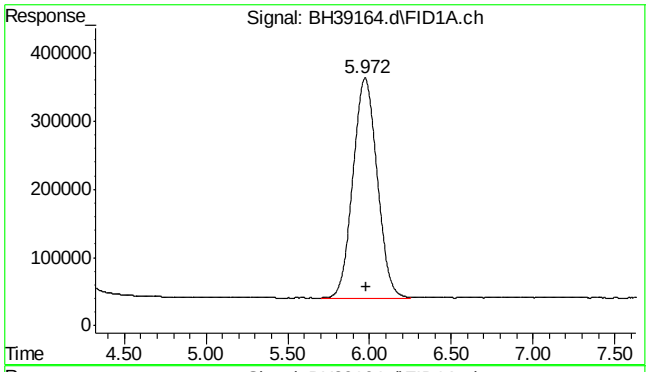
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:26:13 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



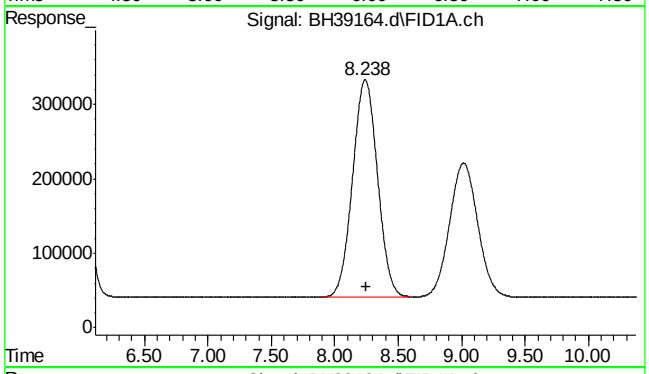


SGS ACCUTEST MC45857



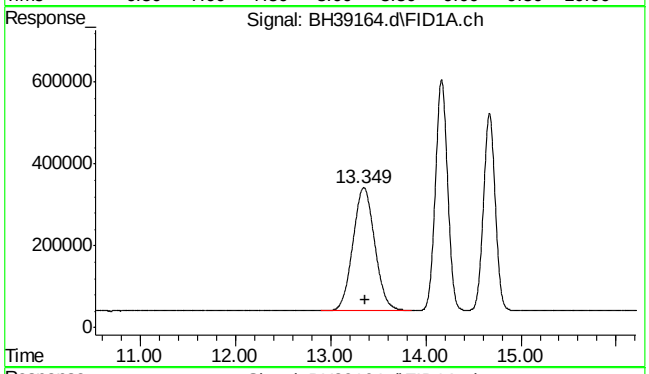
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 33352783
Conc: 32.29 ppb m



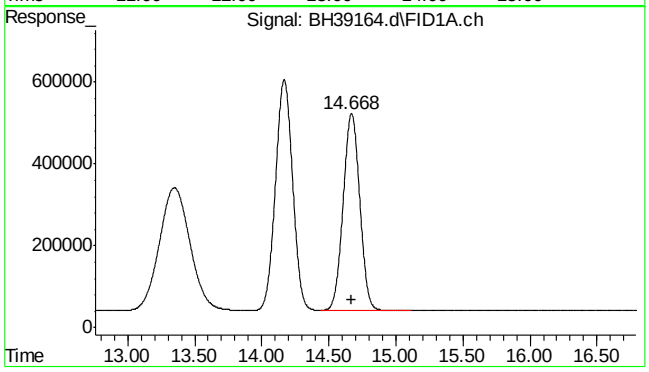
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 40063858
Conc: 38.79 ppb m



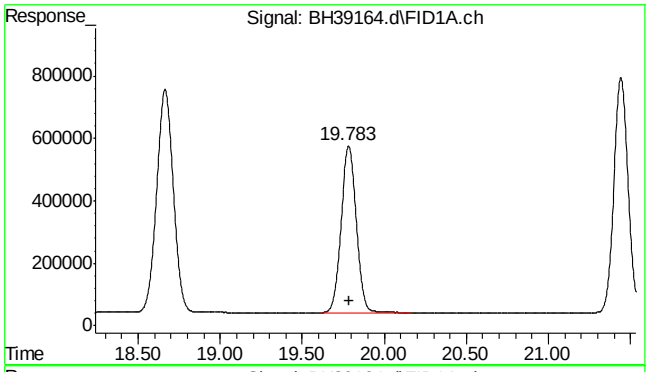
#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 48815763
Conc: 47.27 ppb m



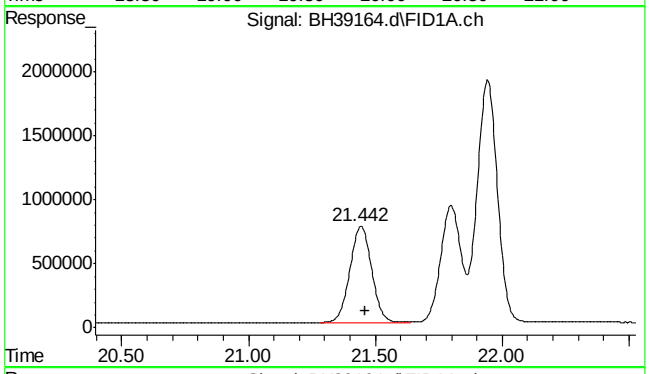
#4 fluorobenzene

R.T.: 14.668 min
Delta R.T.: -0.003 min
Response: 41645865
Conc: 44.35 ppb m



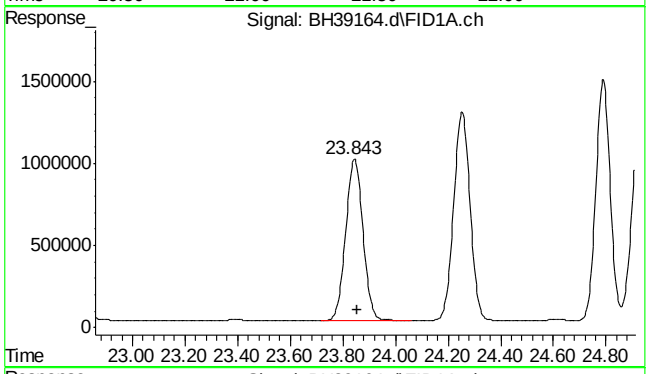
#6 2,3,4-trifluorotoluene

R.T.: 19.783 min
Delta R.T.: -0.003 min
Response: 34327236
Conc: 42.23 ppb m



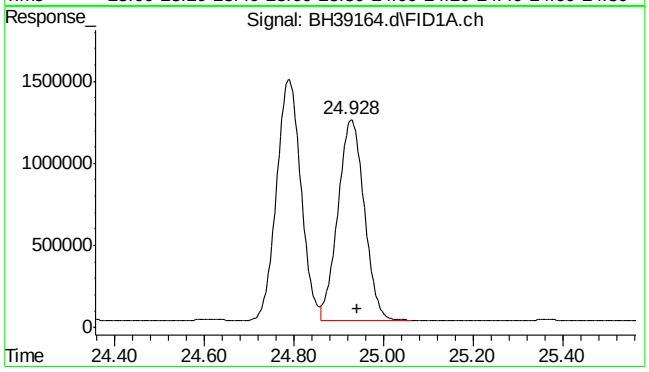
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 44747211
Conc: 37.20 ppb m



#10 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 45056002
Conc: 37.46 ppb m



#11 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 49994261
Conc: 41.57 ppb m

7.3.2

7

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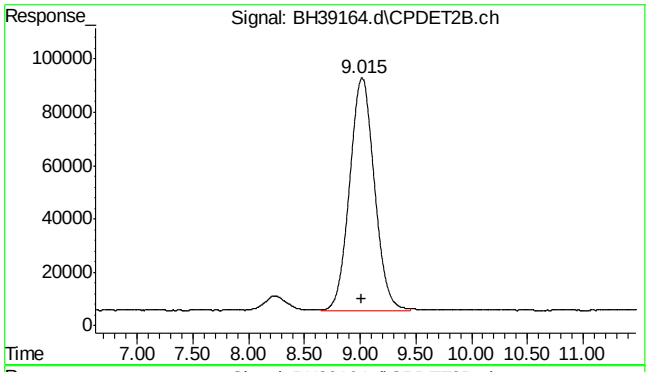
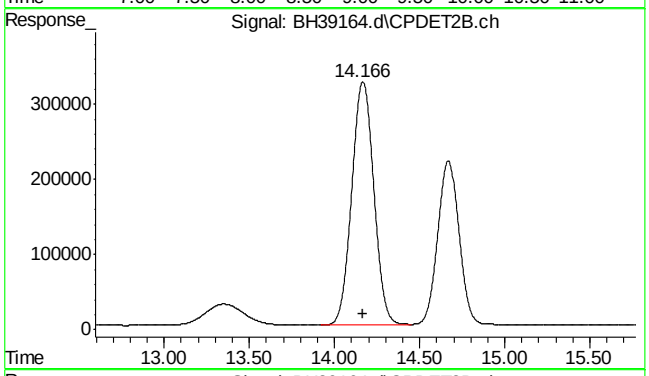


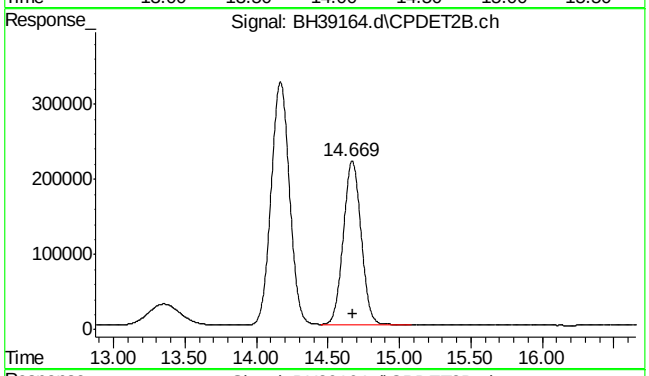
#14 mtbe #2

R.T.: 9.015 min
Delta R.T.: -0.001 min
Response: 13545100
Conc: 48.17 ppb m



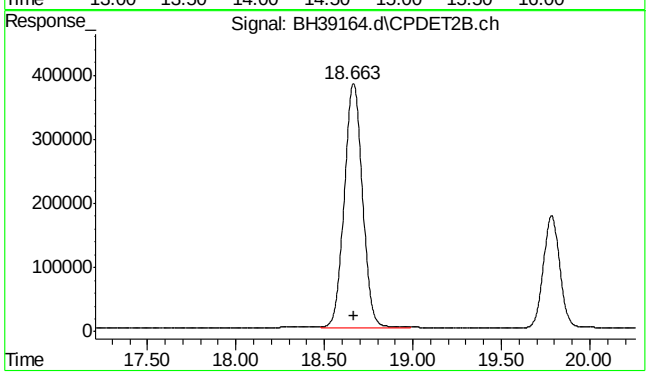
#15 benzene #2

R.T.: 14.166 min
Delta R.T.: -0.003 min
Response: 29086031
Conc: 44.23 ppb m



#16 fluorobenzene #2

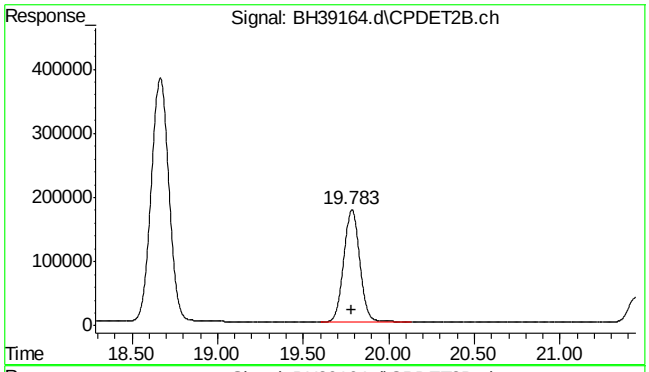
R.T.: 14.669 min
Delta R.T.: -0.003 min
Response: 19088094
Conc: 46.97 ppb m



#17 toluene #2

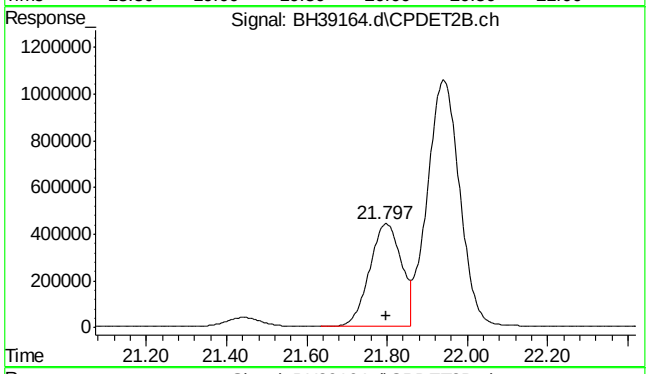
R.T.: 18.663 min
Delta R.T.: -0.003 min
Response: 27324177
Conc: 44.31 ppb m

SGS ACCUTEST MC45857



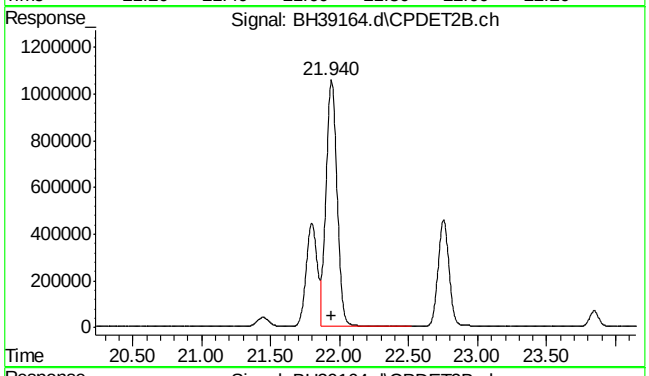
#18 2,3,4-trifluorotoluene #2

R.T.: 19.783 min
Delta R.T.: -0.003 min
Response: 11318233
Conc: 44.56 ppb m



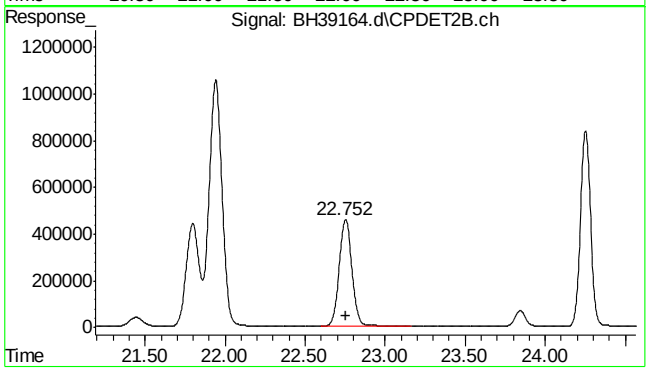
#19 ethylbenzene #2

R.T.: 21.798 min
Delta R.T.: -0.001 min
Response: 24195763
Conc: 44.22 ppb



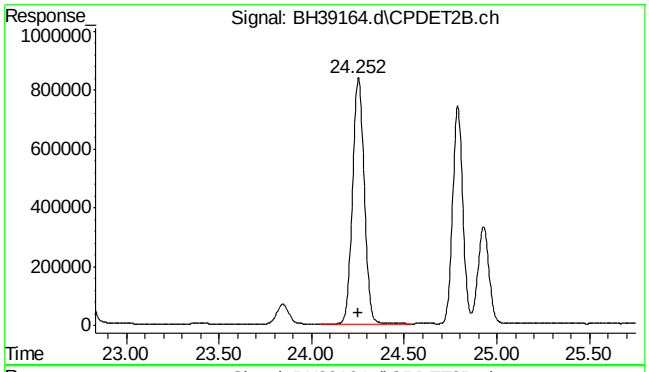
#20 m,p-xylene #2

R.T.: 21.940 min
Delta R.T.: -0.003 min
Response: 58999084
Conc: 88.45 ppb m



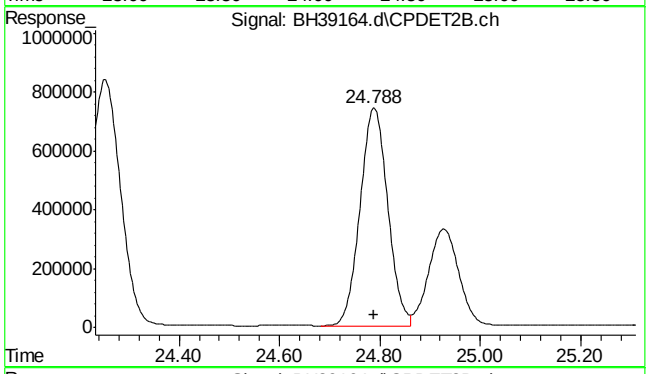
#21 o-xylene #2

R.T.: 22.752 min
Delta R.T.: -0.003 min
Response: 25332962
Conc: 43.52 ppb m



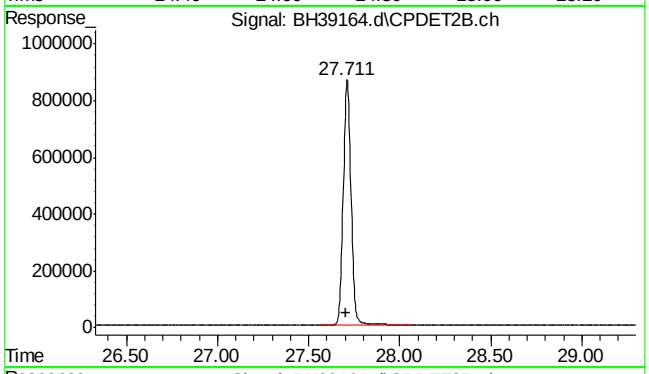
#22 1,3,5-trimethylbenzene #2

R.T.: 24.253 min
Delta R.T.: 0.000 min
Response: 36770447
Conc: 44.00 ppb



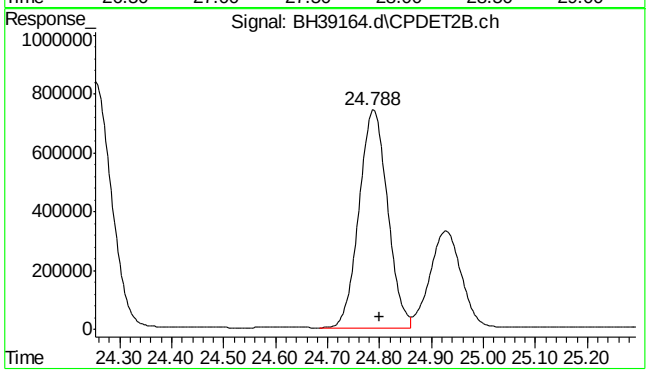
#23 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: -0.001 min
Response: 28217001
Conc: 43.81 ppb m



#24 naphthalene #2

R.T.: 27.711 min
Delta R.T.: 0.002 min
Response: 25979563
Conc: 47.52 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 28125897
Conc: 43.67 ppb m

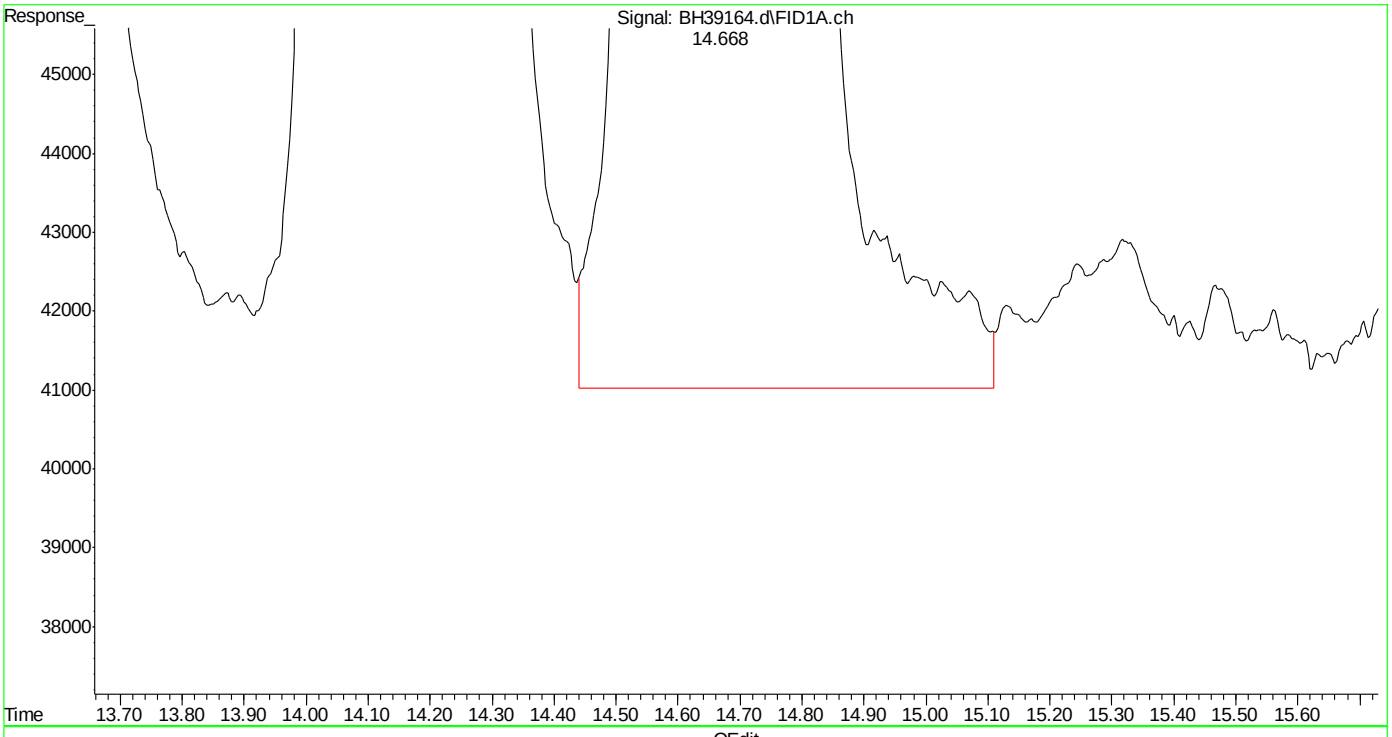
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016   1:50 pm
Operator  : danielf
Sample    : bsd,w,vmavph,00
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 6   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(4) fluorobenzene (s)

14.670min 44.653 ppb

response 41928323

(+) = Expected Retention Time

bh160512vph.m Thu May 12 14:22:16 2016

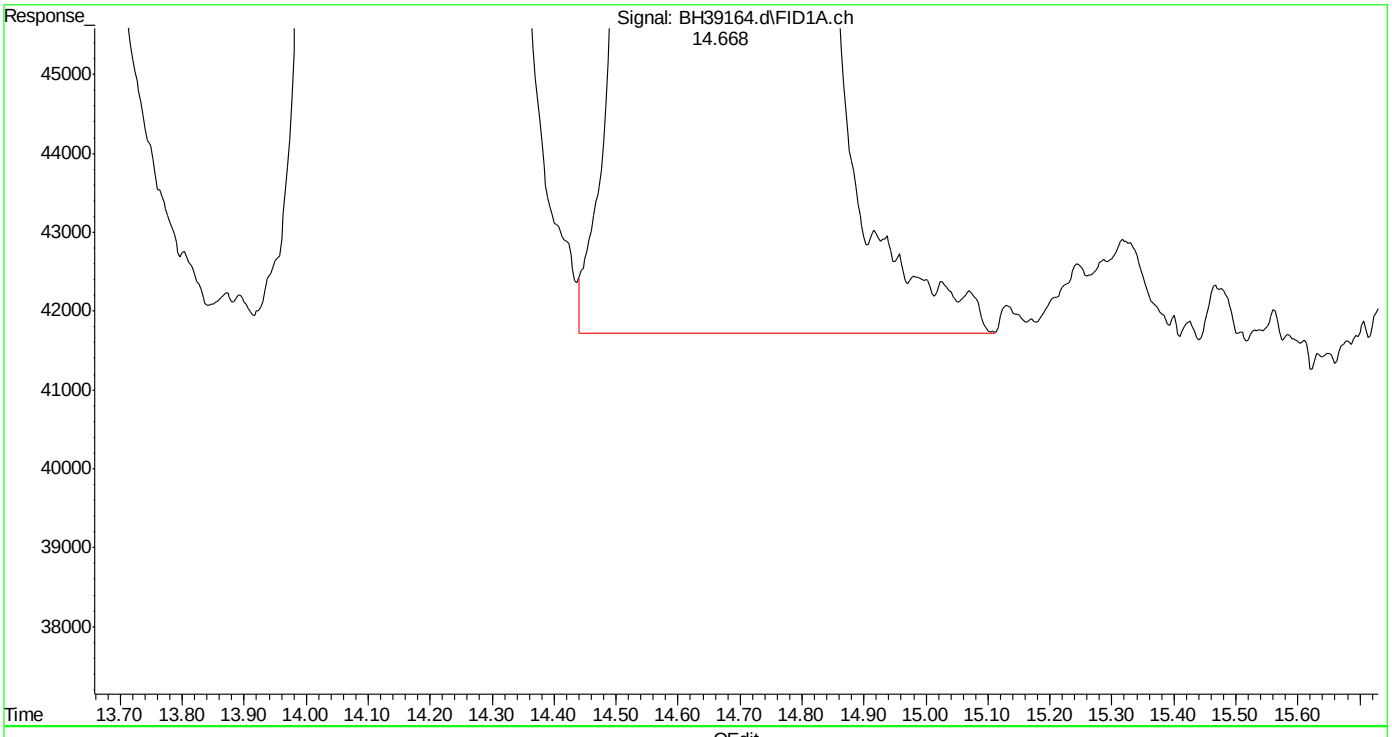
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.668min 44.353 ppb m
response 41645865

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:22:22 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(6) 2,3,4-trifluorotoluene (s)
19.784min 42.251 ppb
response 34345343

(+) = Expected Retention Time

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(6) 2,3,4-trifluorotoluene (s)
19.783min 42.229 ppb m
response 34327236

(+) = Expected Retention Time

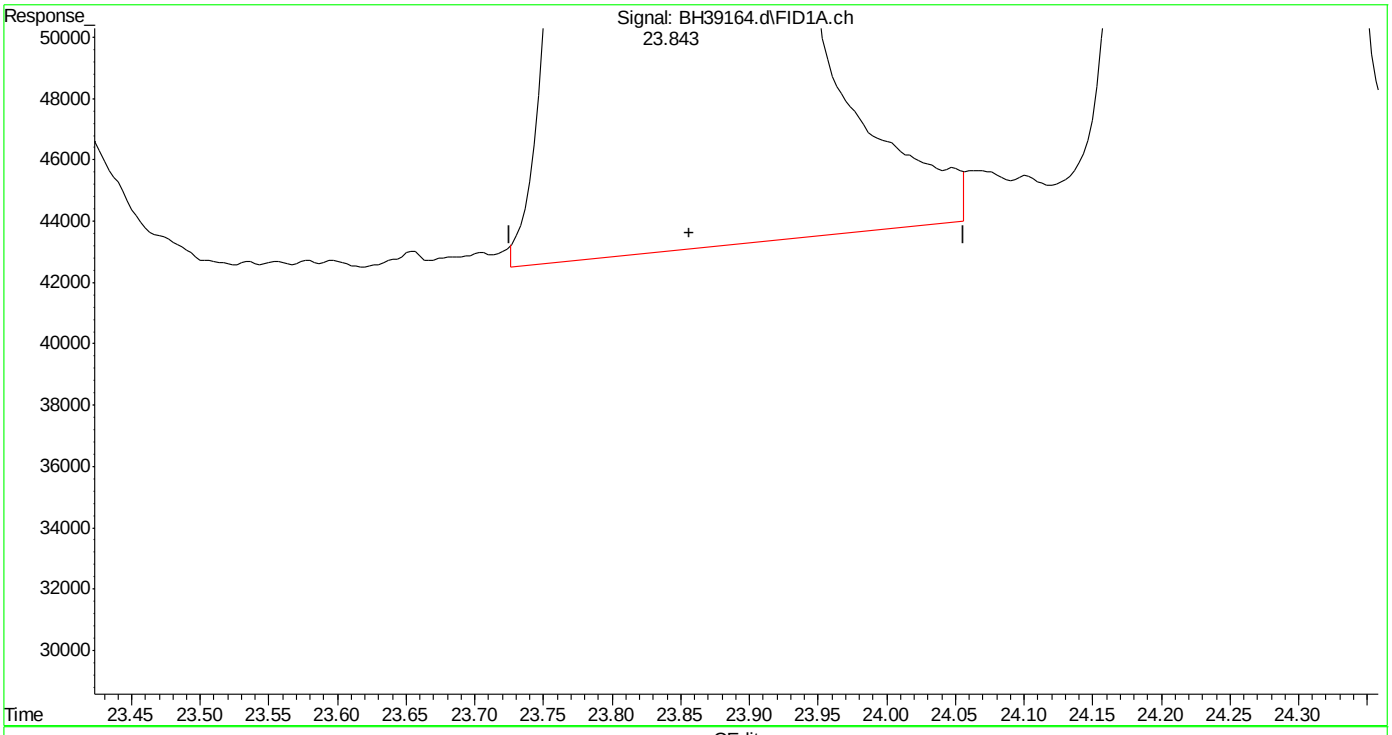
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 37.390 ppb
response 44971262

(+) = Expected Retention Time

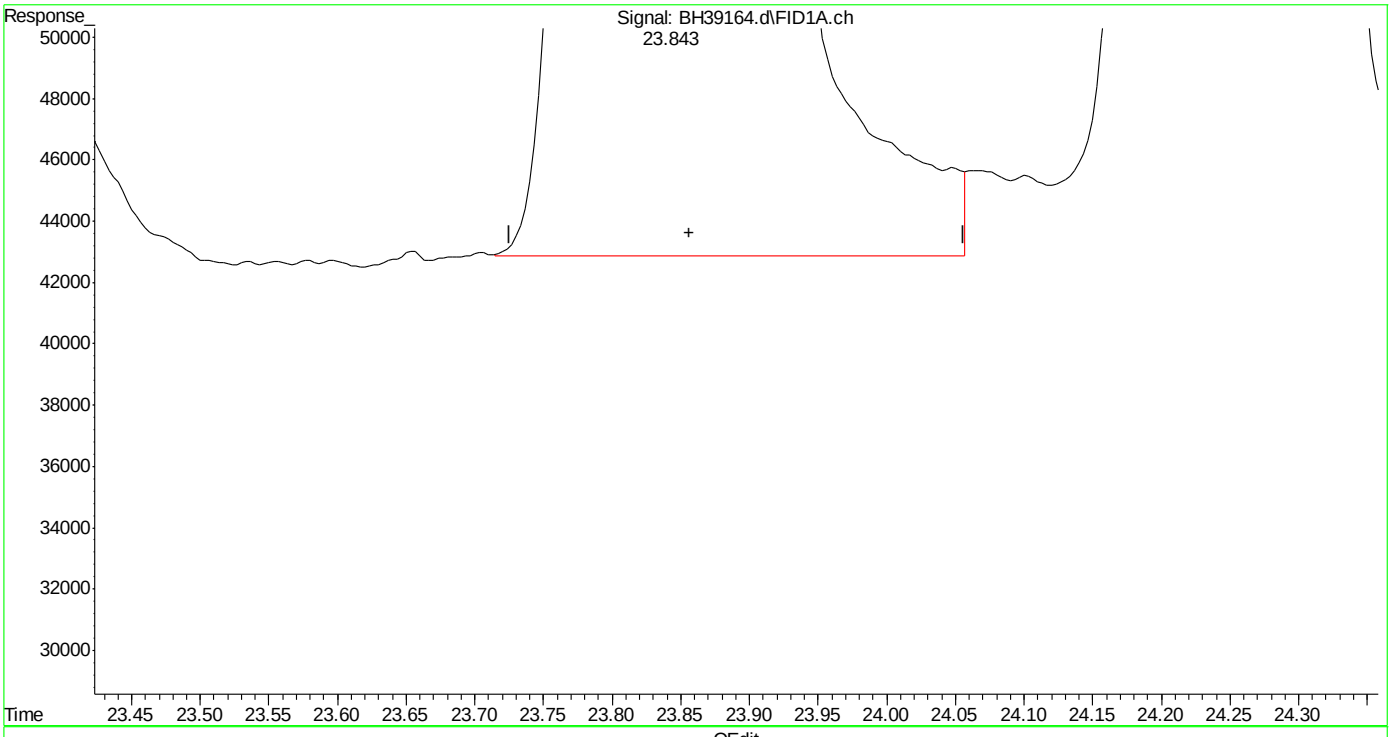
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 37.460 ppb m
response 45056002

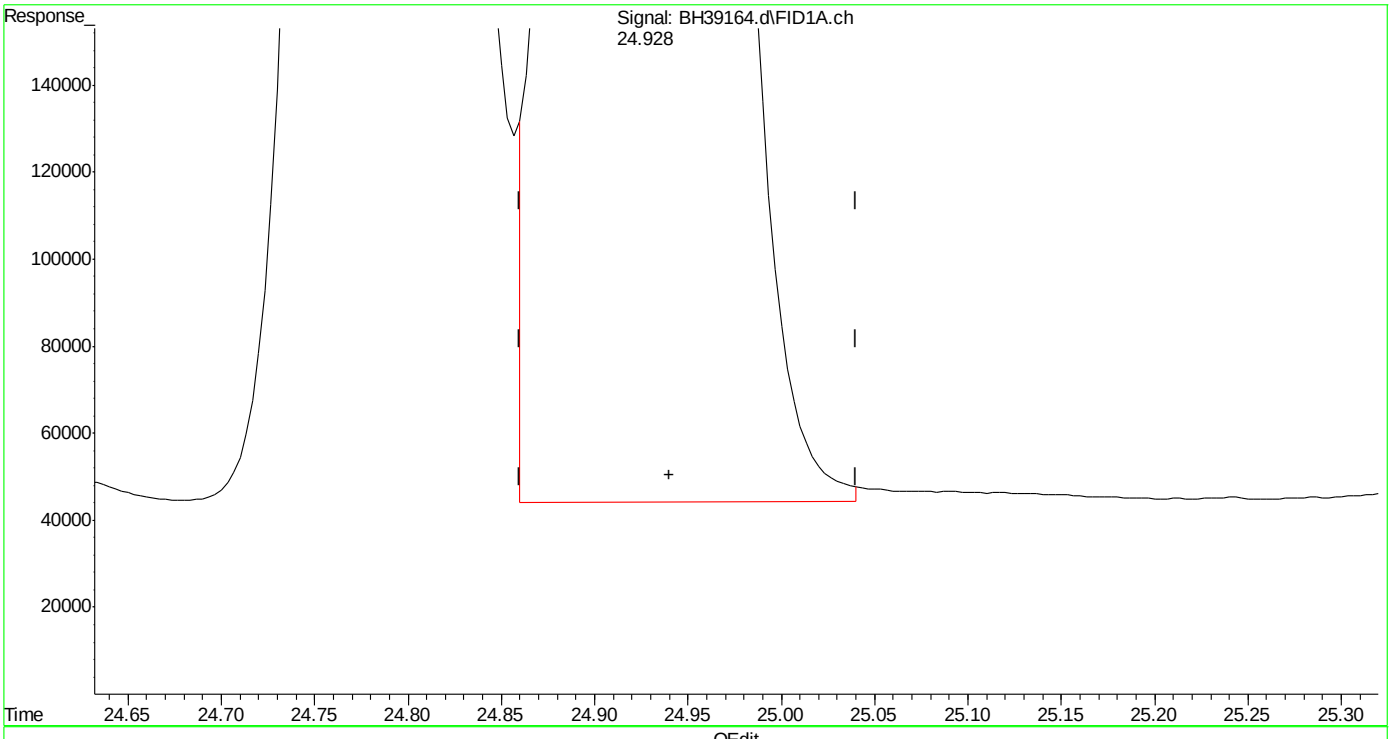
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 41.330 ppb
response 49709886

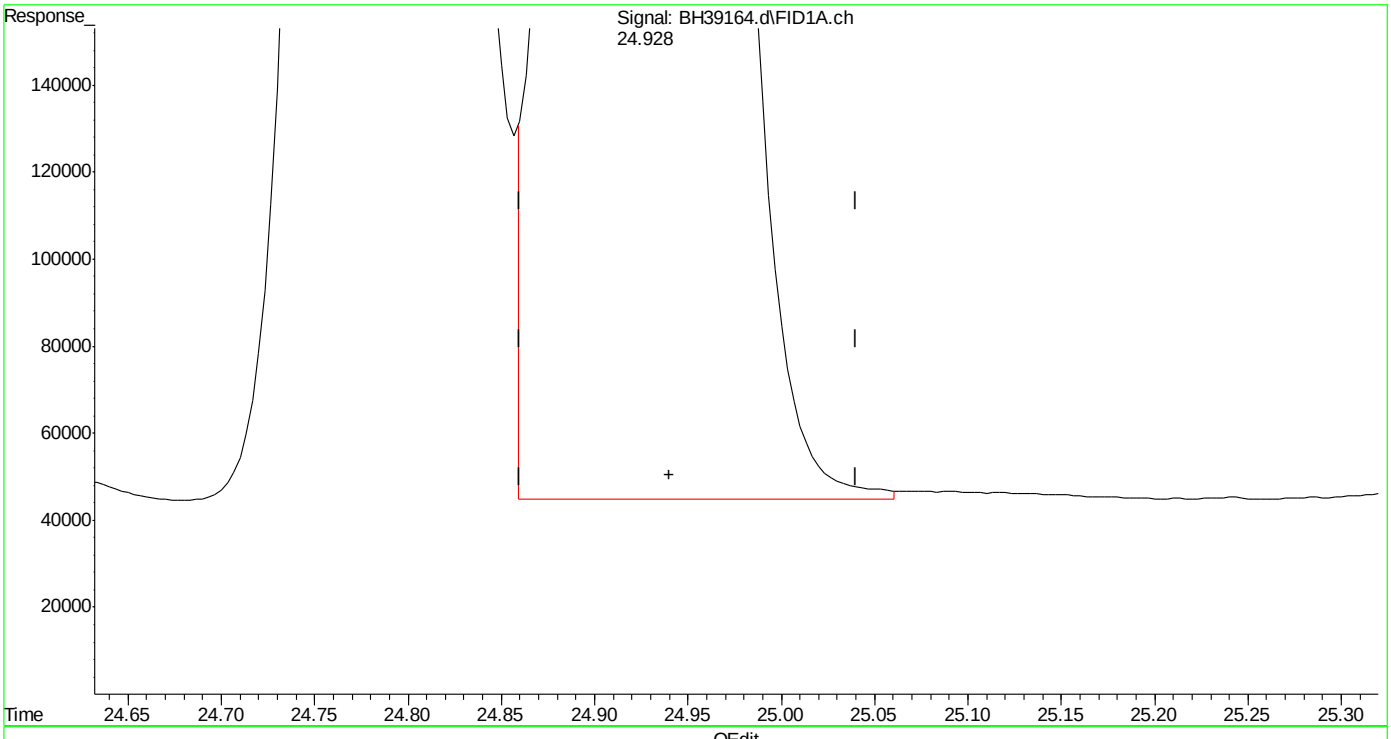
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 41.566 ppb m
response 49994261

(+) = Expected Retention Time

bh160512vph.m Thu May 12 14:23:16 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(14) mtbe #2 (t)
9.016min 48.343 ppb
response 13594149

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:23:24 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(14) mtbe #2 (t)
9.015min 48.169 ppb m
response 13545100

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:23:34 2016

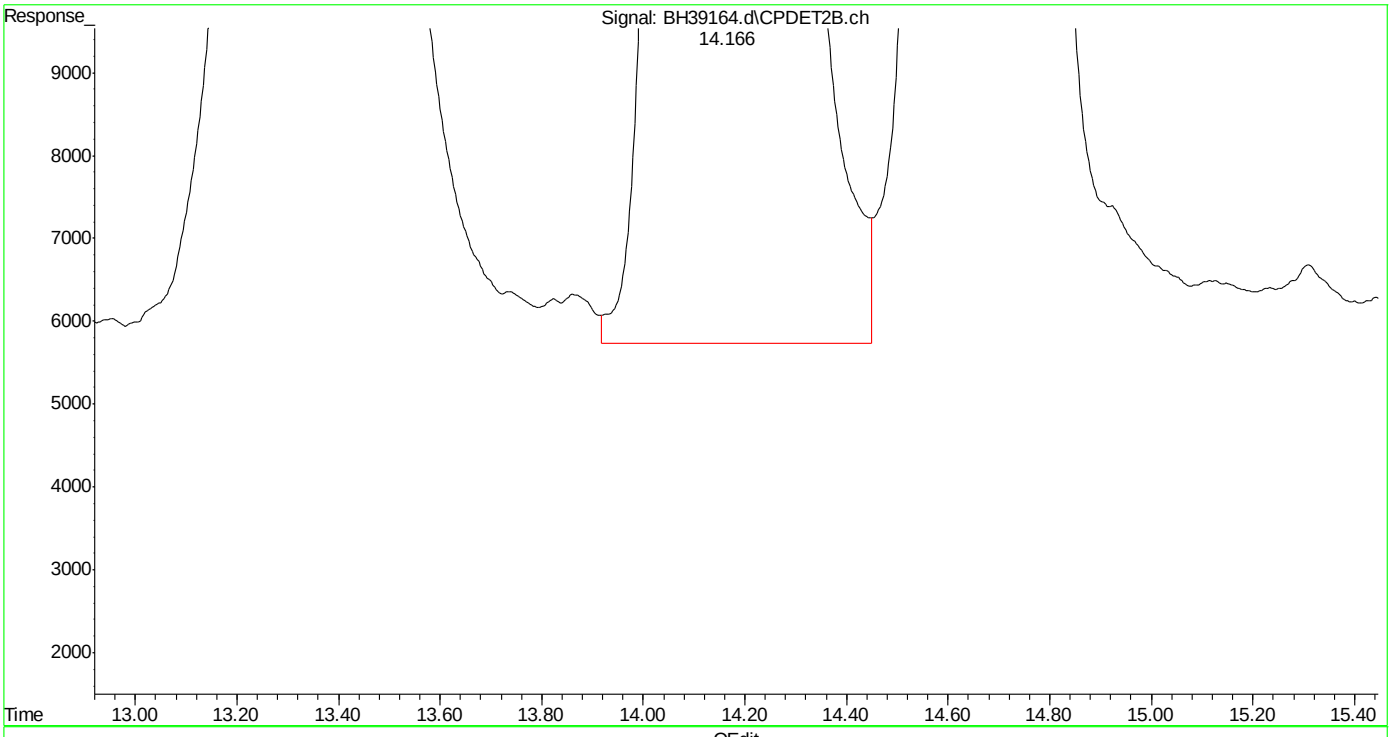
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.167min 44.317 ppb
response 29146404

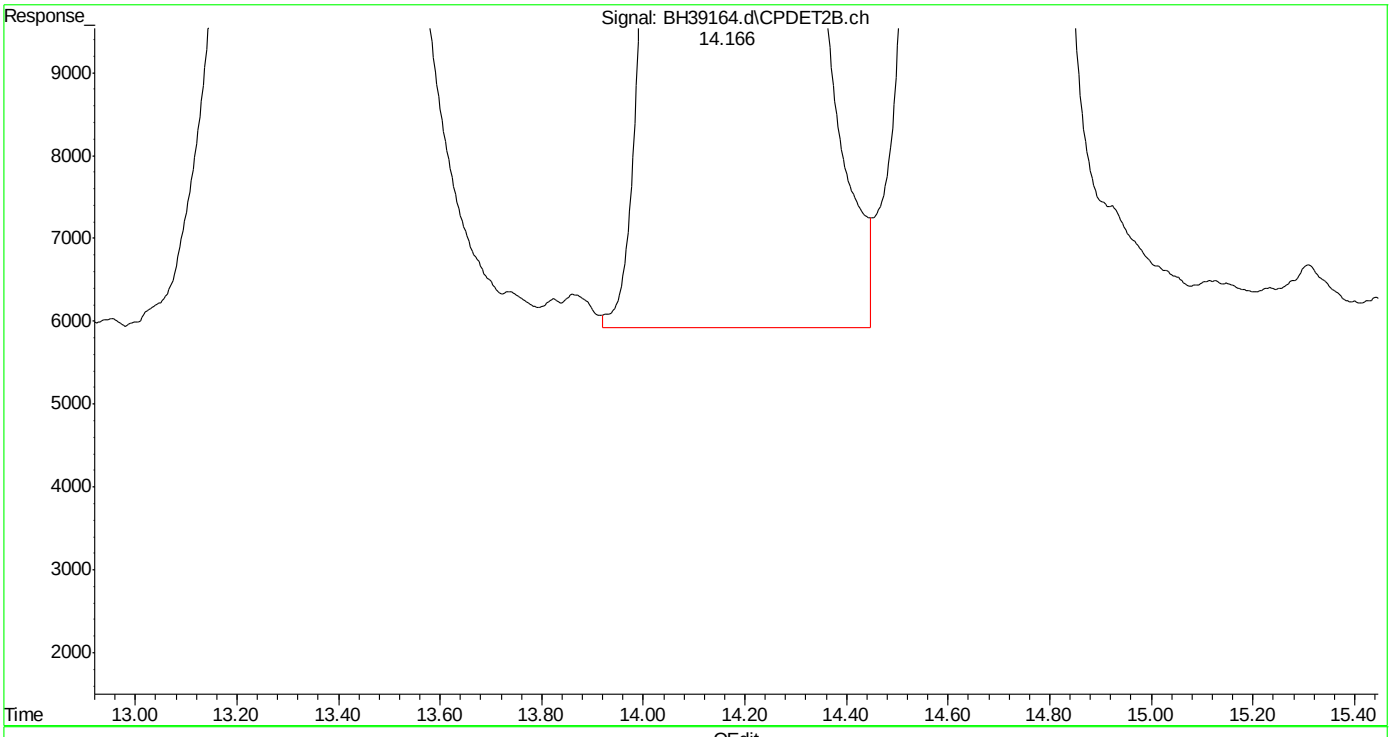
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:23:40 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.166min 44.225 ppb m
response 29086031

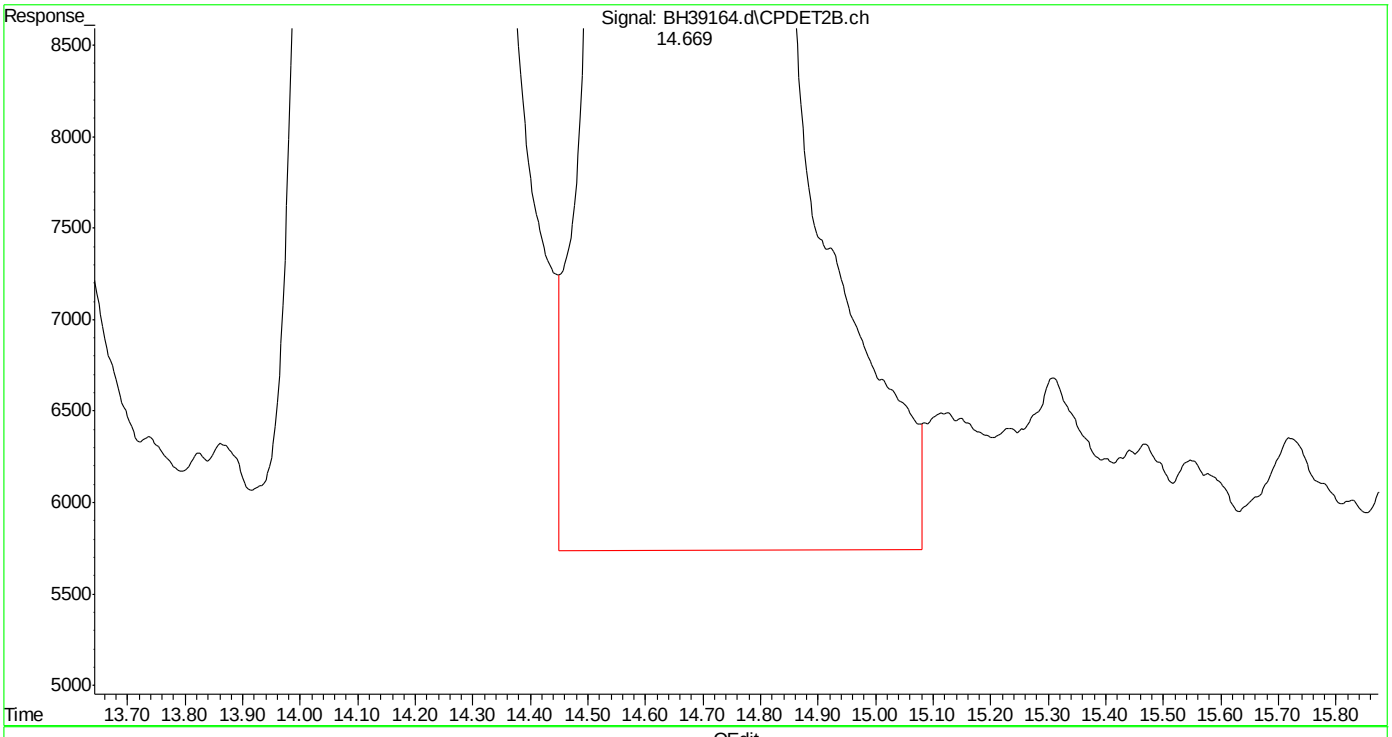
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:23:46 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.670min 47.272 ppb
response 19212206

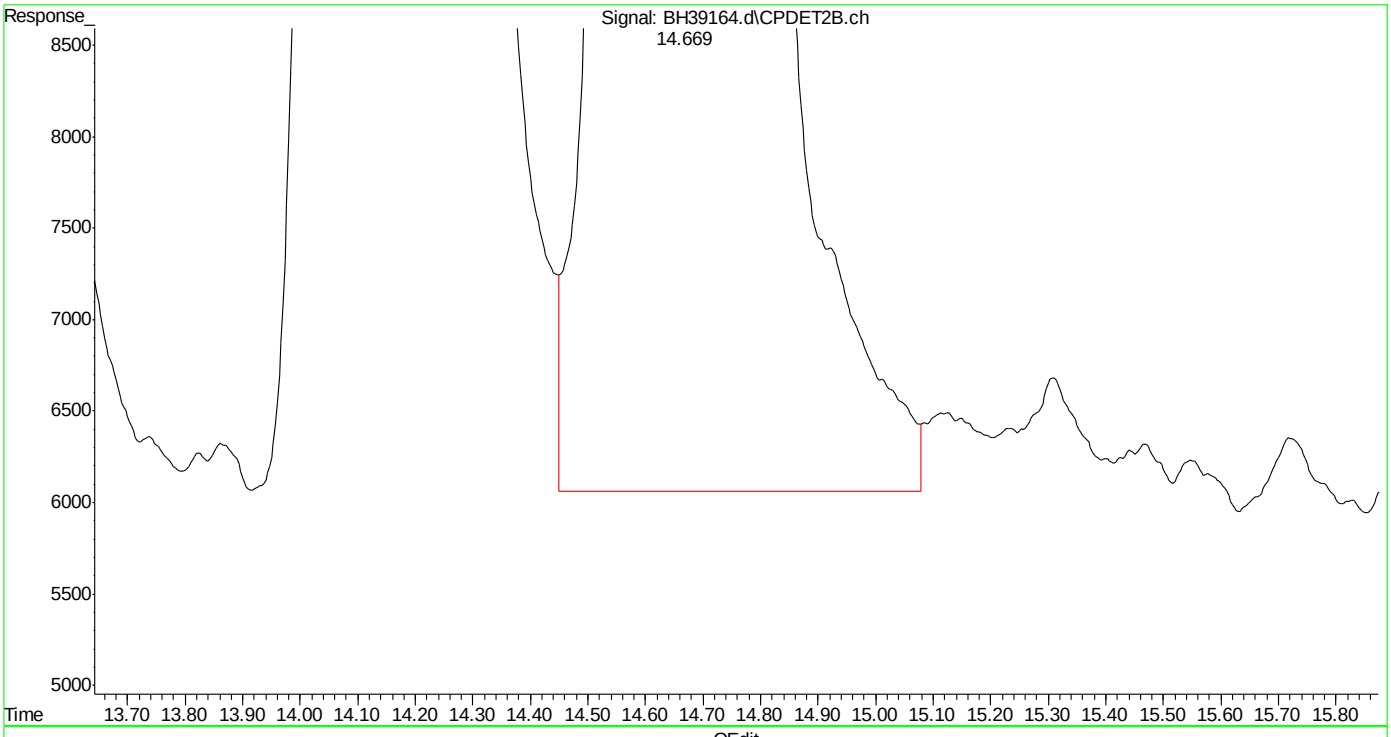
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:23:51 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.669min 46.967 ppb m
response 19088094

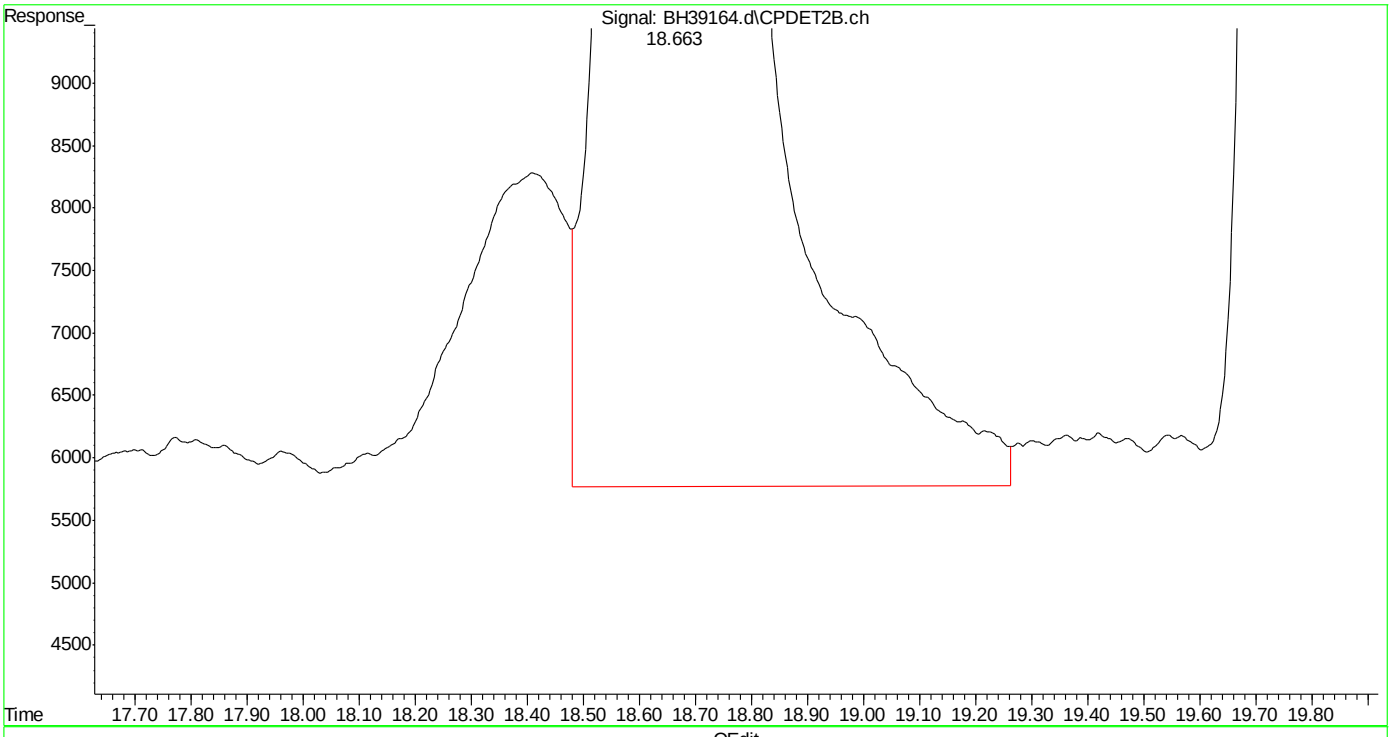
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:24:21 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.665min 44.648 ppb
response 27533980

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:24:25 2016

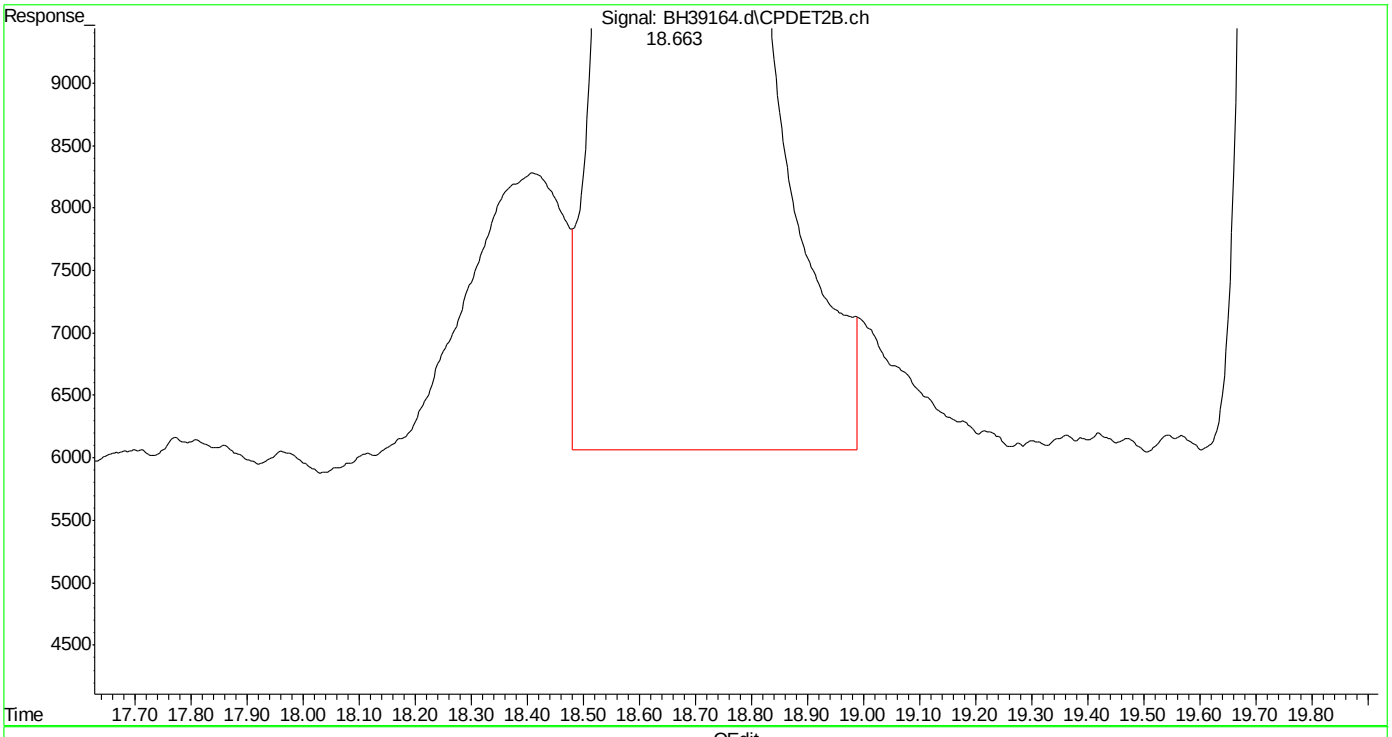
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.663min 44.308 ppb m
response 27324177

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:24:36 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(18) 2,3,4-trifluorotoluene #2 (s)
19.784min 44.897 ppb
response 11403030

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:24:42 2016

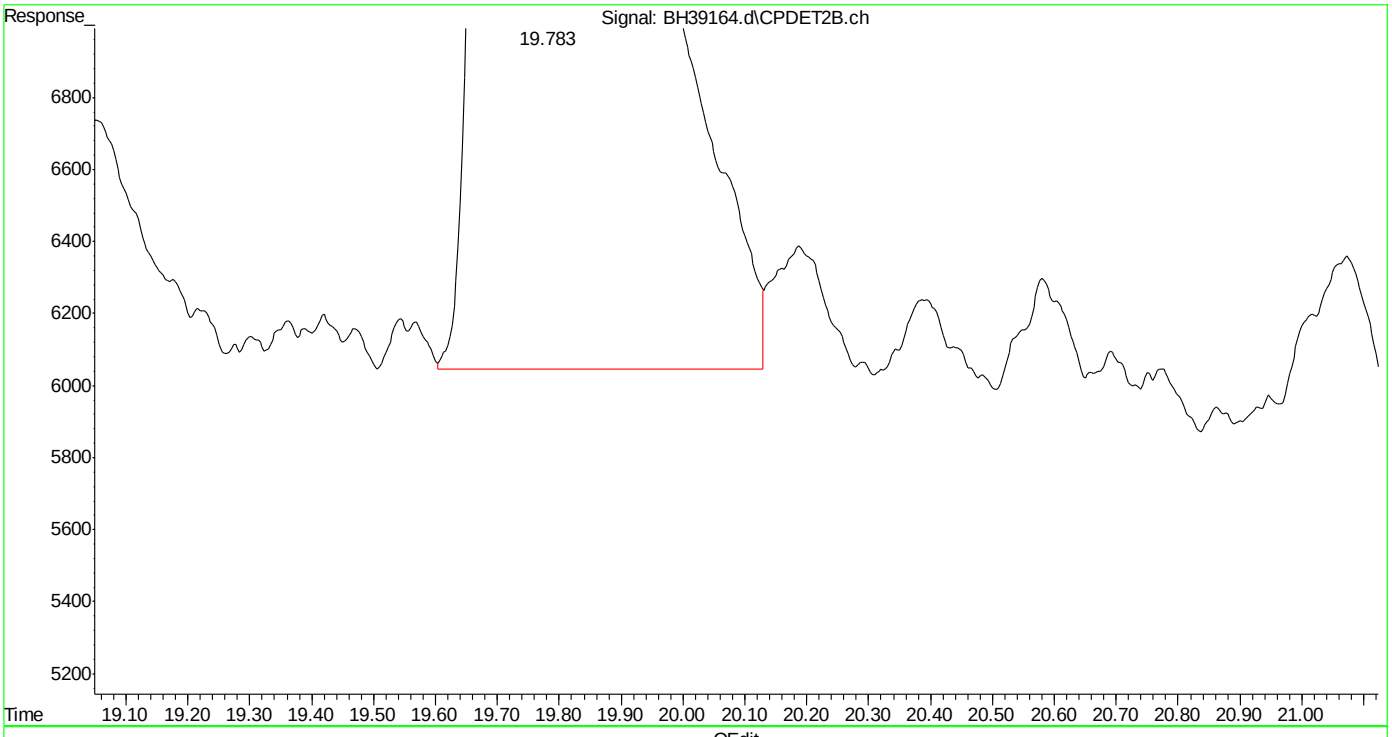
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.783min 44.564 ppb m
response 11318233

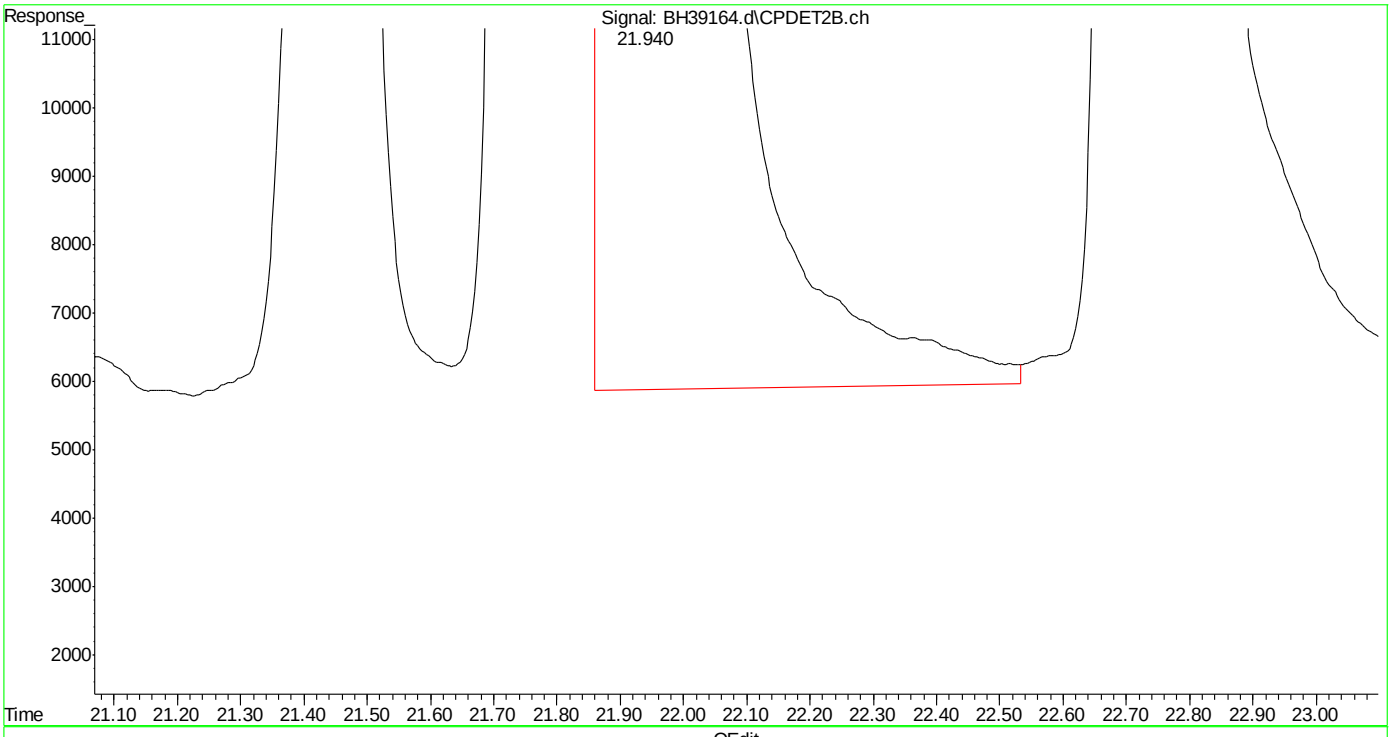
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:24:50 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.942min 89.074 ppb
response 59415503

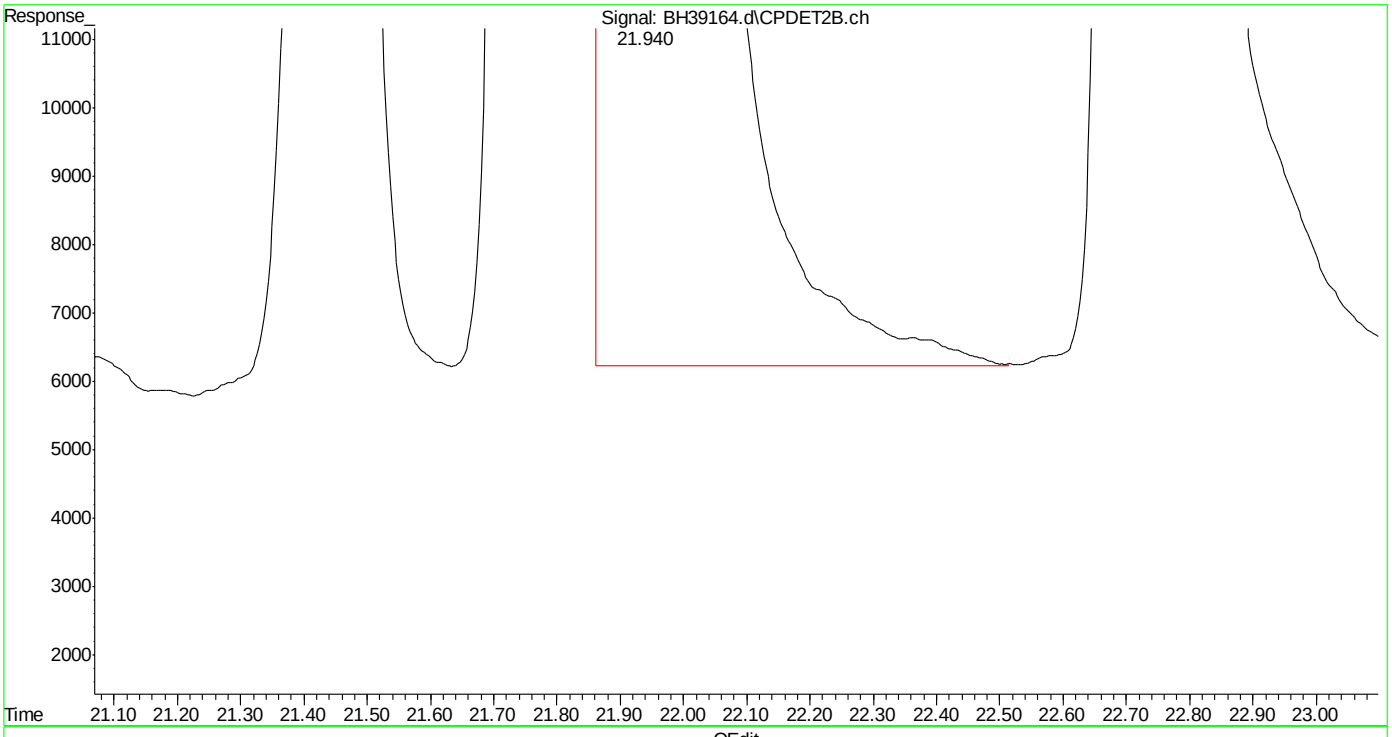
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:24:58 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.940min 88.449 ppb m
response 58999084

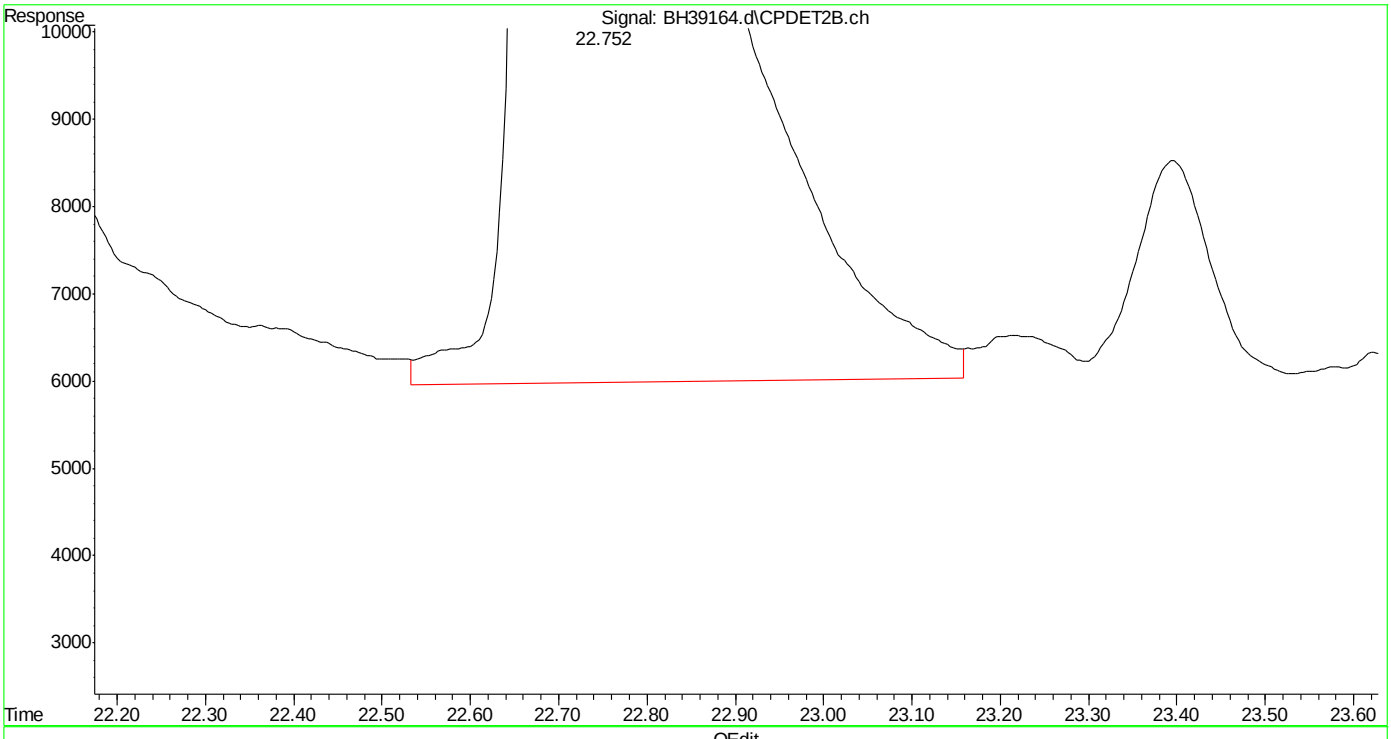
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.753min 43.677 ppb
response 25426186

(+) = Expected Retention Time

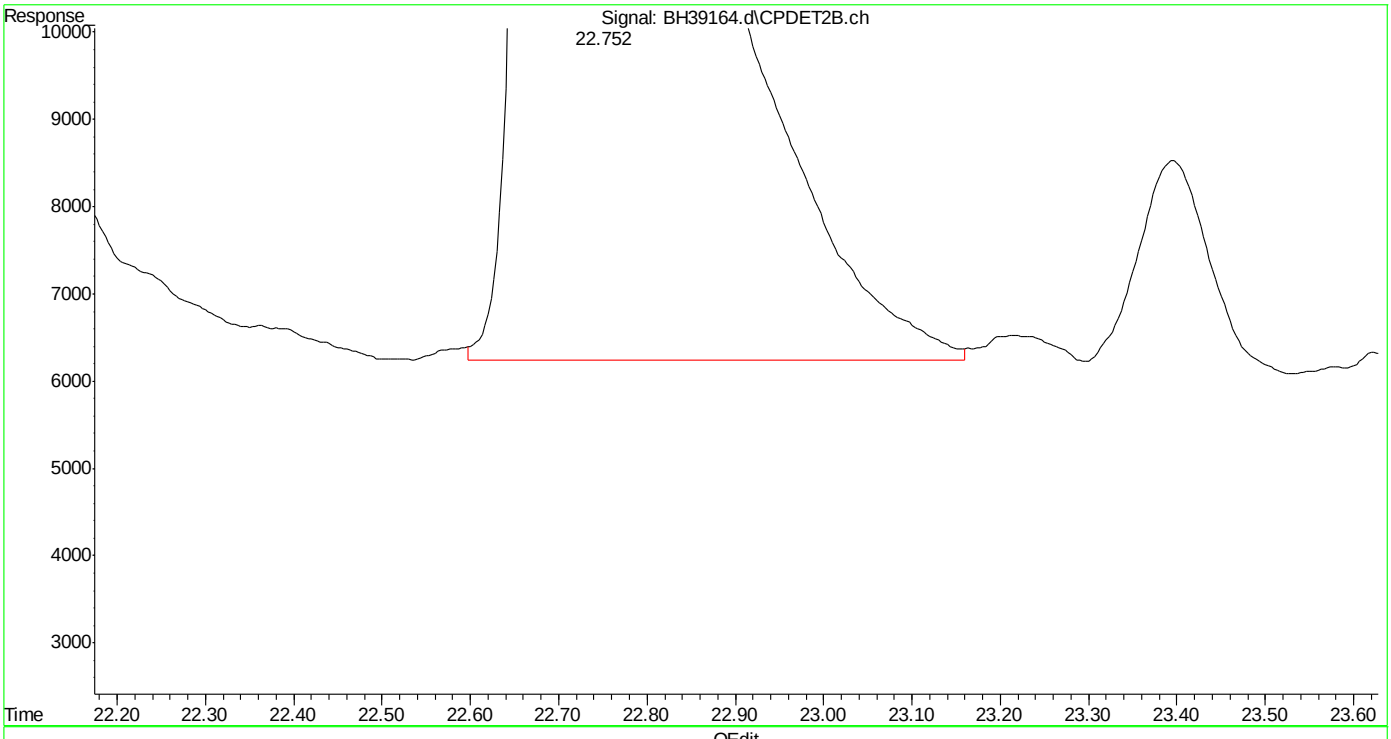
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.752min 43.517 ppb m
response 25332962

(+) = Expected Retention Time

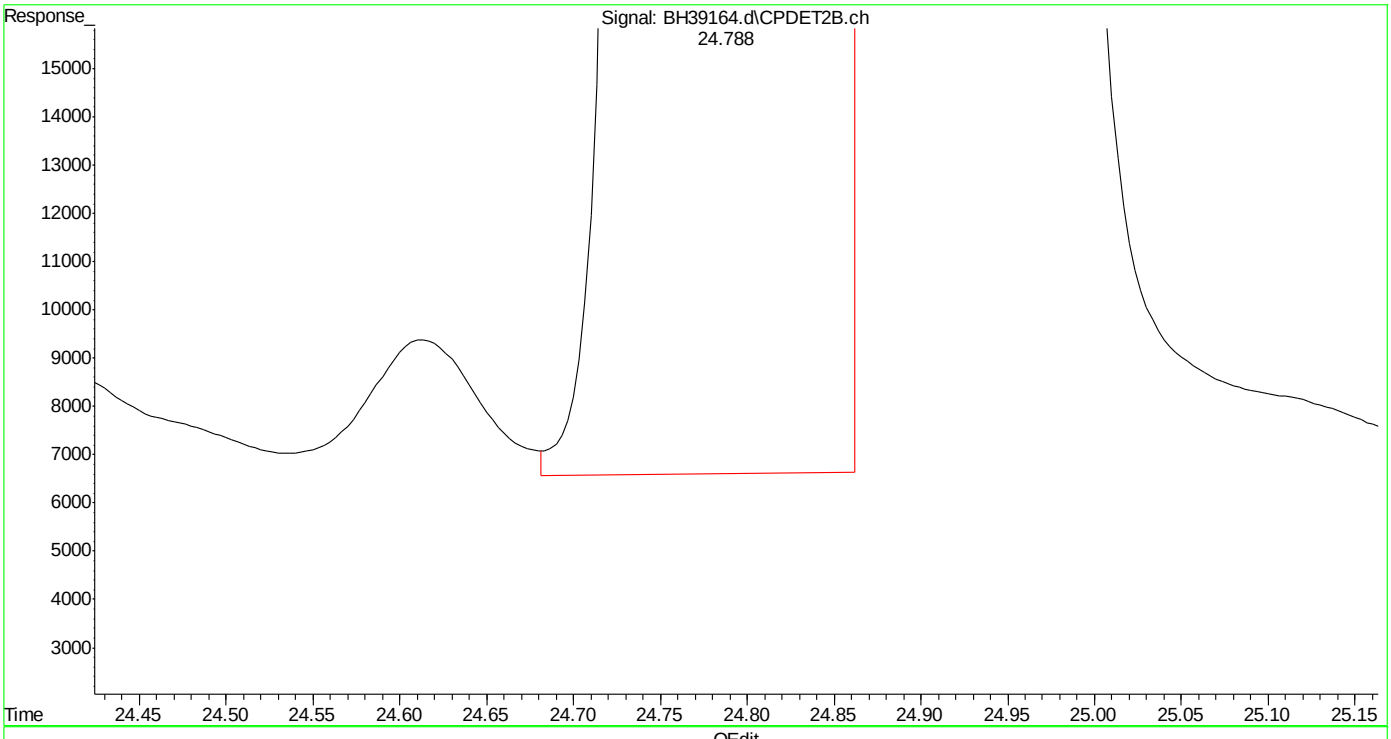
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.789min 43.842 ppb
response 28239755

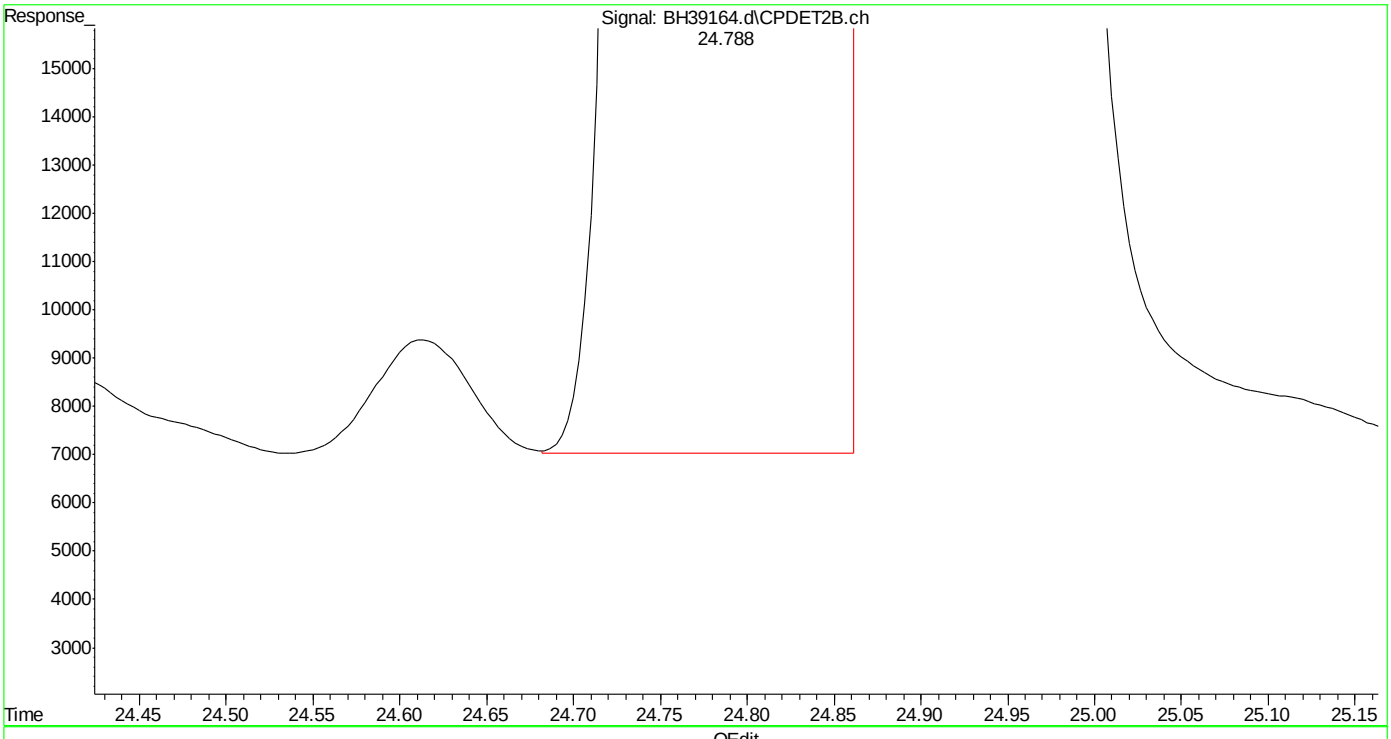
(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:25:24 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.788min 43.807 ppb m
response 28217001

(+) = Expected Retention Time

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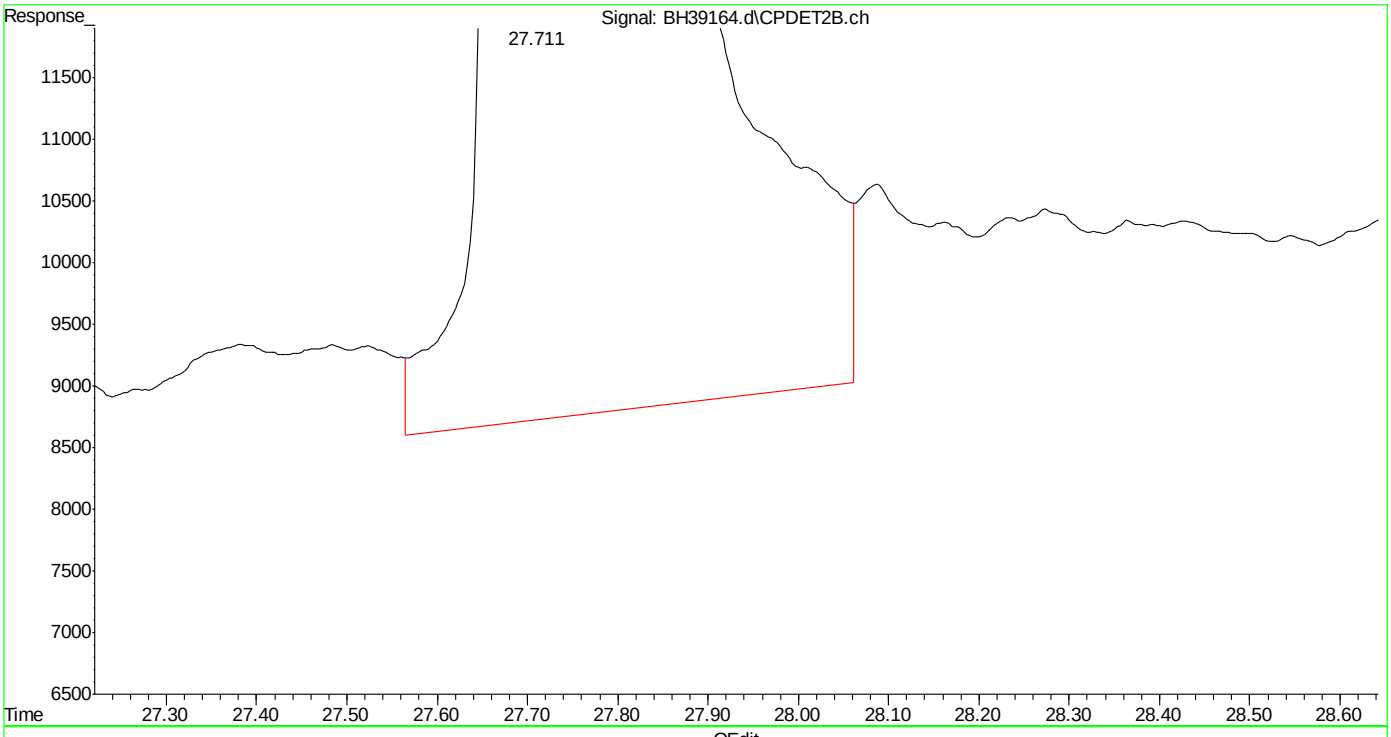
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.712min 47.861 ppb
response 26165381

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:25:40 2016

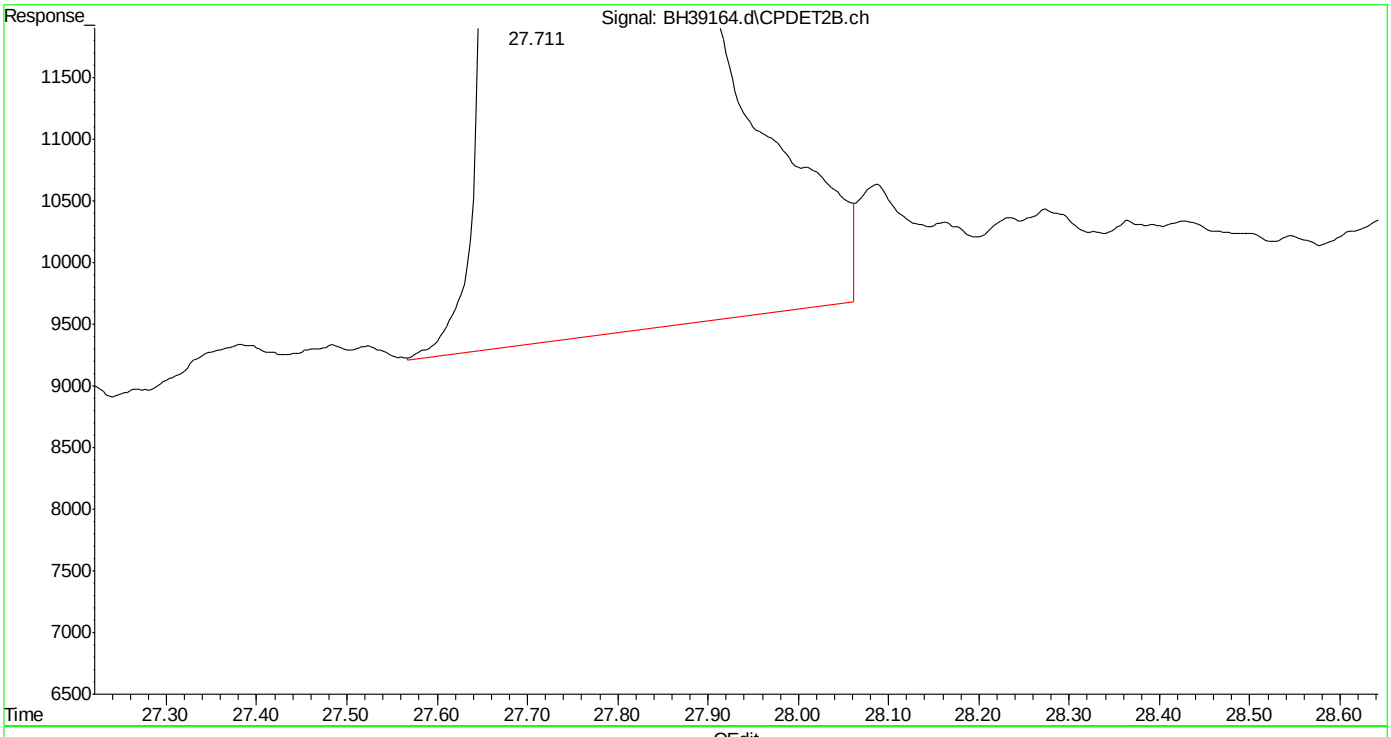
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39164.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 1:50 pm
Operator : danielf
Sample : bsd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 14:21:46 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.711min 47.521 ppb m
response 25979563

(+) = Expected Retention Time
bh160512vph.m Thu May 12 14:26:00 2016

SGS ACCUTEST MC45857

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:14:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.669	42727204	45.504	ppb	m
Spiked Amount 50.000		Recovery = 91.01%			
6) s 2,3,4-trifluorotoluene	19.784	38093784	46.863	ppb	m
Spiked Amount 50.000		Recovery = 93.73%			
16) s fluorobenzene #2	14.669	19785013	48.682	ppb	m
Spiked Amount 50.000		Recovery = 97.36%			
18) s 2,3,4-trifluorotoluen...	19.785	12580631	49.534	ppb	m
Spiked Amount 50.000		Recovery = 99.07%			
Target Compounds					
1) h rt5.5-7	5.980	34814080	33.710	ppb	
2) h rt7/10	8.250	71602926	69.332	ppb	
3) h rt10/13	13.360	187511557	181.565	ppb	
8) h rt20/25	21.460	10313294028	8574.654	ppb	
14) t mtbe #2	9.017	13497945	48.001	ppb	m
15) t benzene #2	14.167	30100957	45.768	ppb	m
17) t toluene #2	18.664	32236781	52.274	ppb	m
19) t ethylbenzene #2	21.806	1049507158	1918.095	ppb	m
20) t m,p-xylene #2	21.961	3372340055	5055.695	ppb	m
21) t o-xylene #2	22.756	270281412	464.285	ppb	m
23) t 1,2,4-trimethylbenzen...	24.789	24431979	37.931	ppb	m
24) t naphthalene #2	27.710	14680510	26.853	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	87855809	136.415	ppb	m

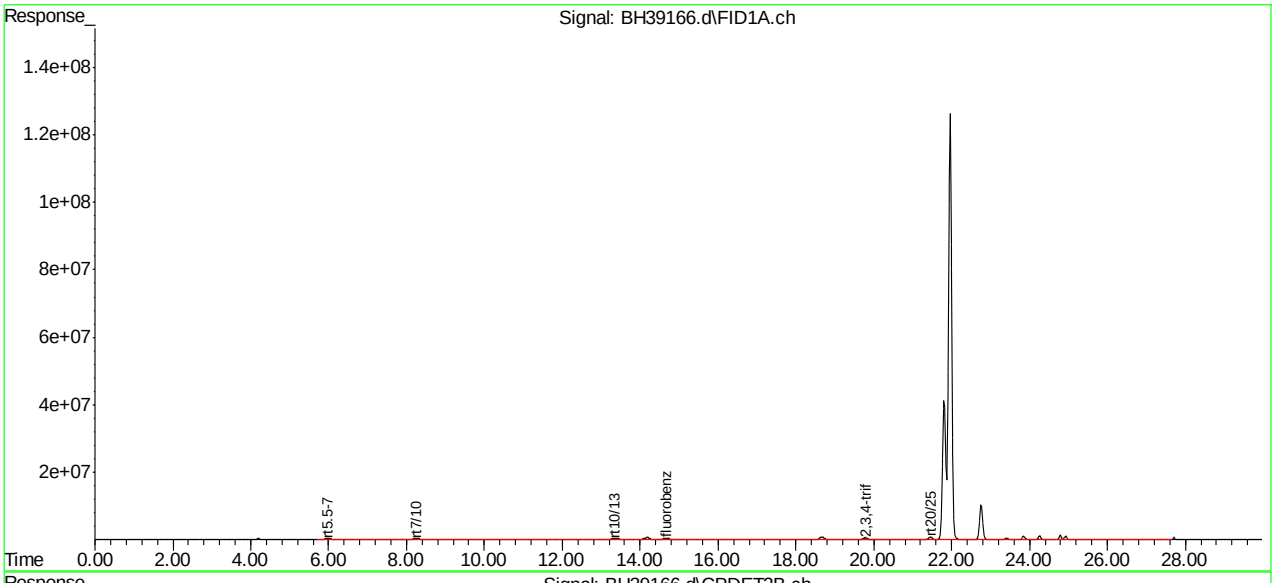
(f)=RT Delta > 1/2 Window (m)=manual int.

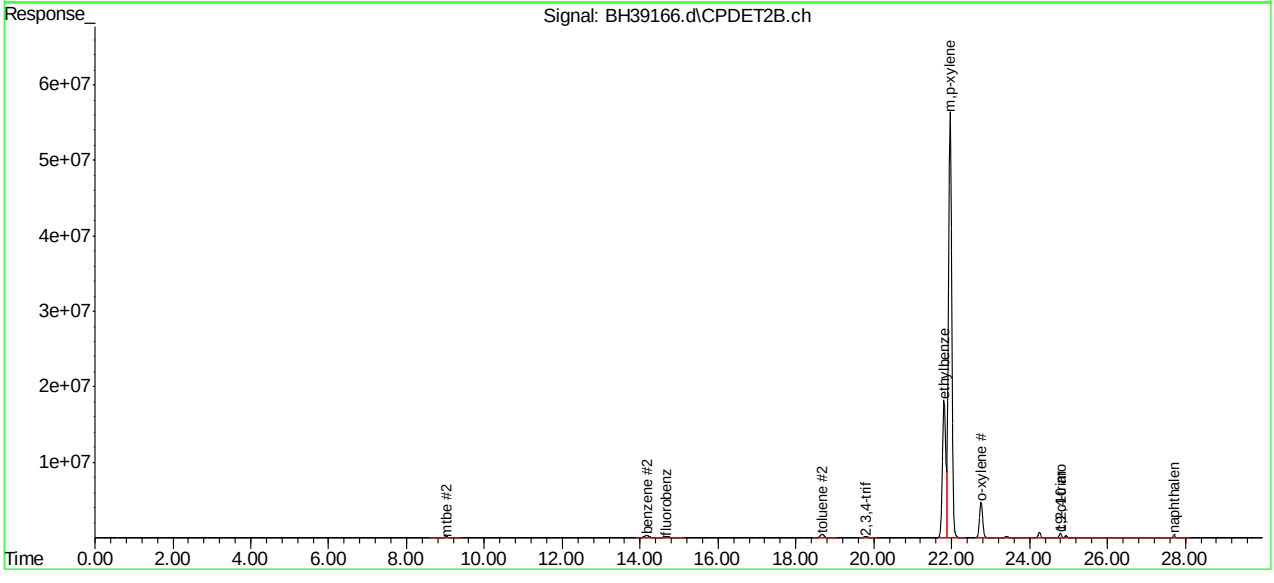
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:14:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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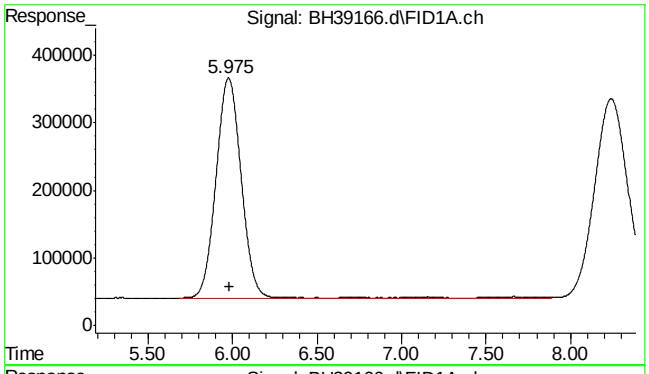
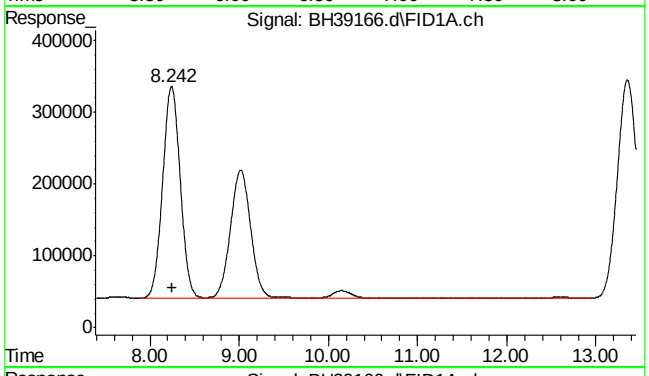


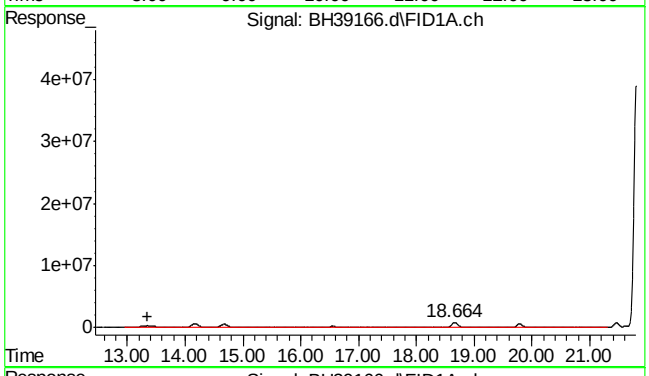
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 34814080
Conc: 33.71 ppb



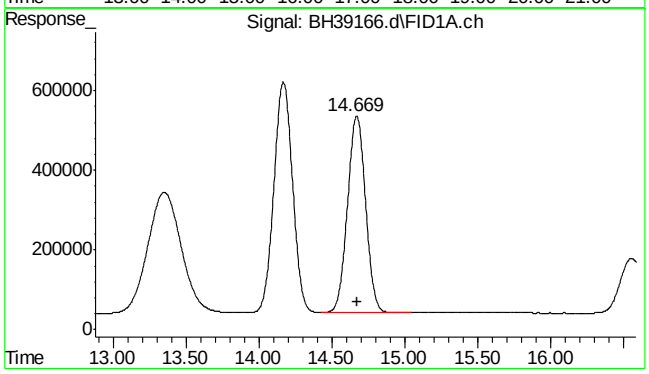
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 71602926
Conc: 69.33 ppb



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 187511557
Conc: 181.56 ppb



#4 fluorobenzene

R.T.: 14.669 min
Delta R.T.: -0.002 min
Response: 42727204
Conc: 45.50 ppb m

7.4.1

7

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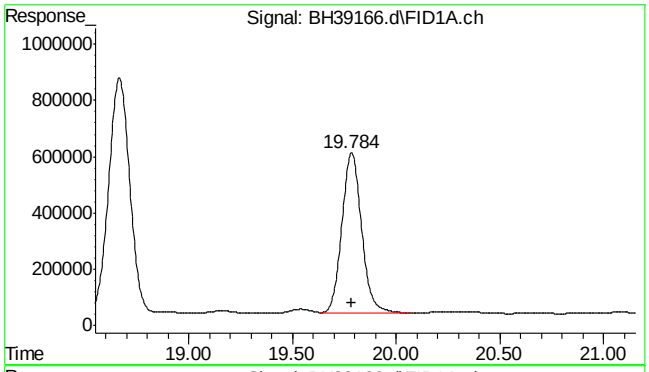
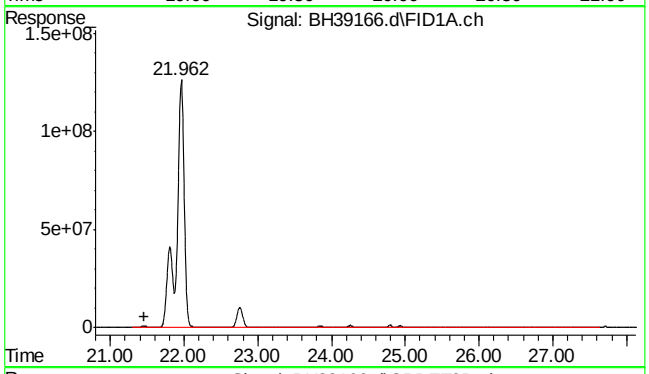


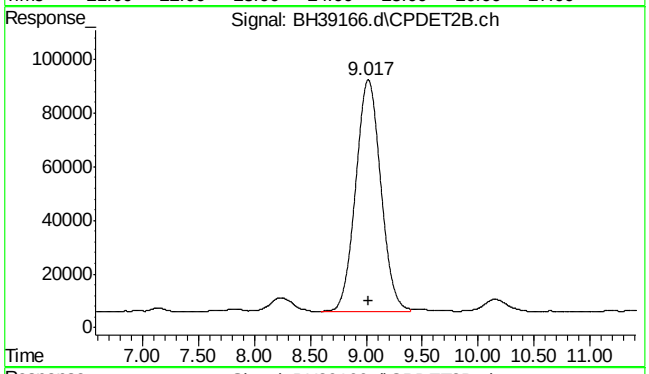
#6 2,3,4-trifluorotoluene

```
      R.T.:   19.784 min
Delta R.T.:   -0.001 min
  Response:  38093784
      Conc:  46.86 ppb m
```



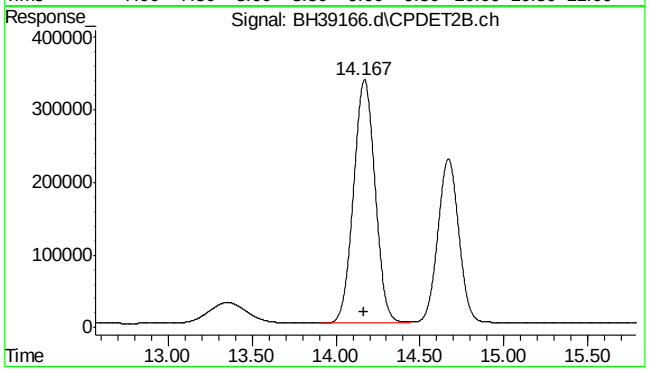
#8 rt20/25

```
      R.T.:   21.460 min
Delta R.T.:    0.000 min
  Response: 10313294028
      Conc: 8574.65 ppb
```



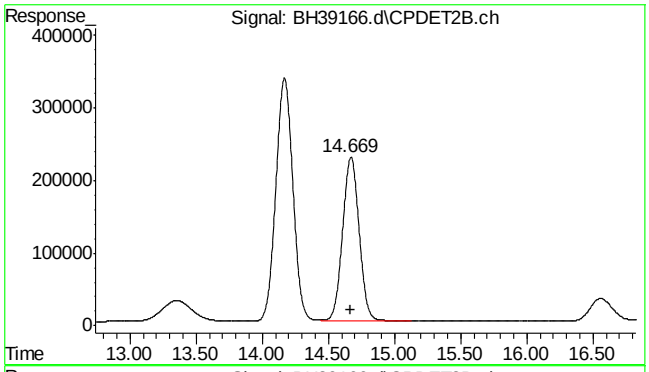
#14 mtbe #2

```
      R.T.:    9.017 min
Delta R.T.:    0.000 min
  Response:  13497945
      Conc:  48.00 ppb m
```



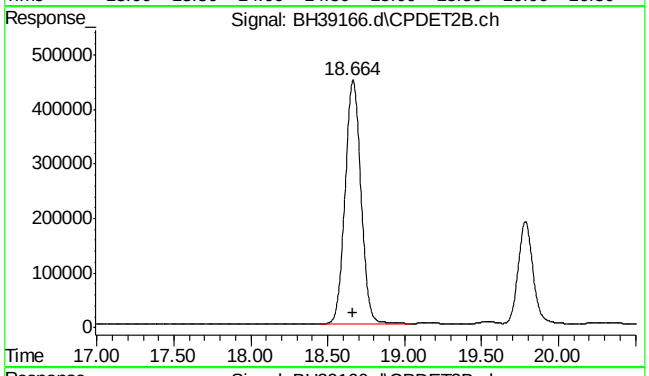
#15 benzene #2

```
      R.T.:   14.167 min
Delta R.T.:   -0.002 min
  Response:  30100957
      Conc:  45.77 ppb m
```



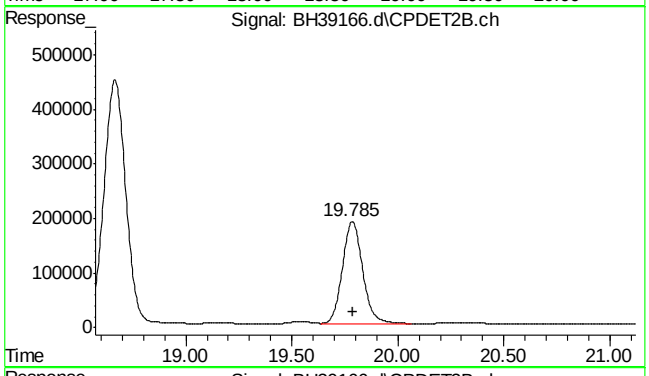
#16 fluorobenzene #2

R.T.: 14.669 min
Delta R.T.: -0.002 min
Response: 19785013
Conc: 48.68 ppb m



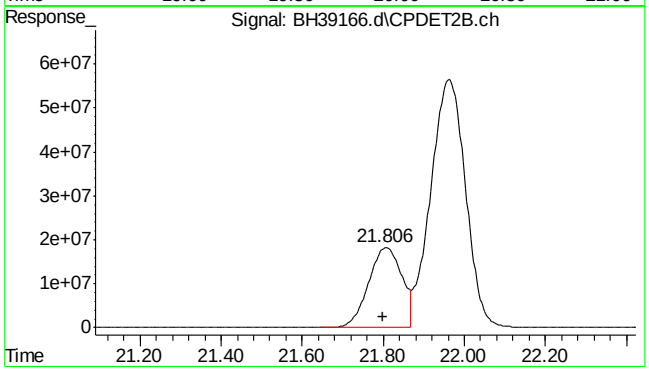
#17 toluene #2

R.T.: 18.664 min
Delta R.T.: -0.002 min
Response: 32236781
Conc: 52.27 ppb m



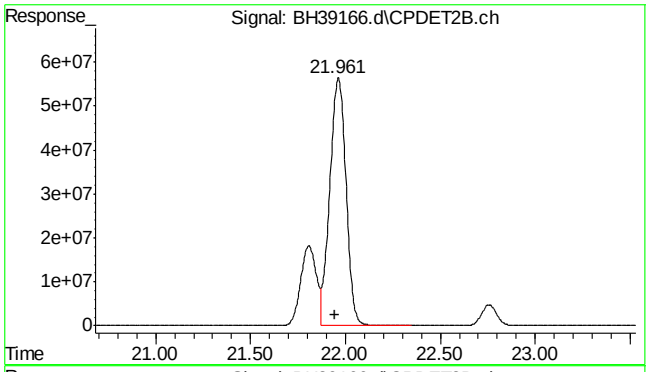
#18 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 12580631
Conc: 49.53 ppb m



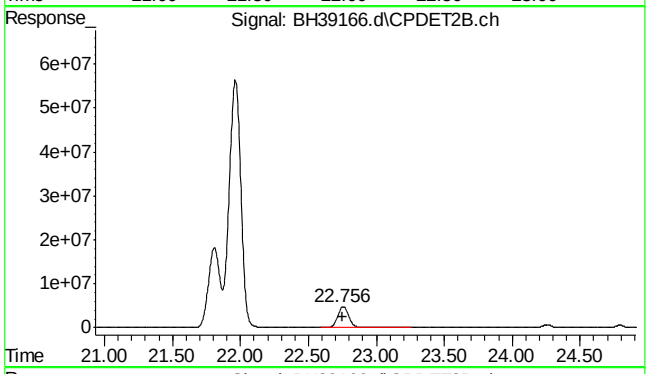
#19 ethylbenzene #2

R.T.: 21.806 min
Delta R.T.: 0.007 min
Response: 1049507158
Conc: 1918.09 ppb m



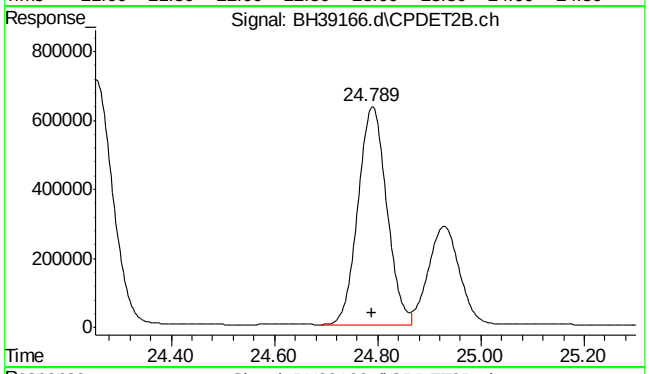
#20 m,p-xylene #2

R.T.: 21.961 min
Delta R.T.: 0.018 min
Response: 3372340055
Conc: 5055.69 ppb m



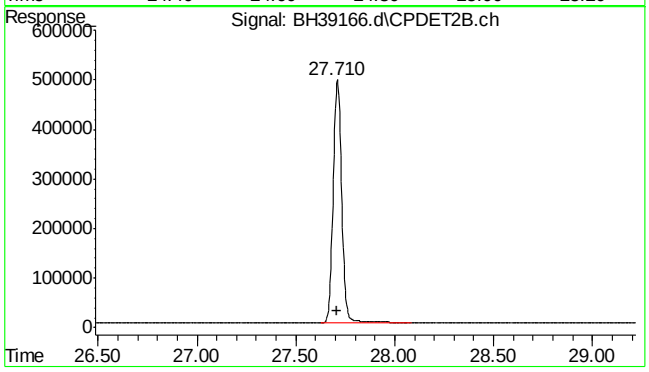
#21 o-xylene #2

R.T.: 22.756 min
Delta R.T.: 0.000 min
Response: 270281412
Conc: 464.28 ppb m



#23 1,2,4-trimethylbenzene #2

R.T.: 24.789 min
Delta R.T.: 0.000 min
Response: 24431979
Conc: 37.93 ppb m



#24 naphthalene #2

R.T.: 27.710 min
Delta R.T.: 0.001 min
Response: 14680510
Conc: 26.85 ppb m

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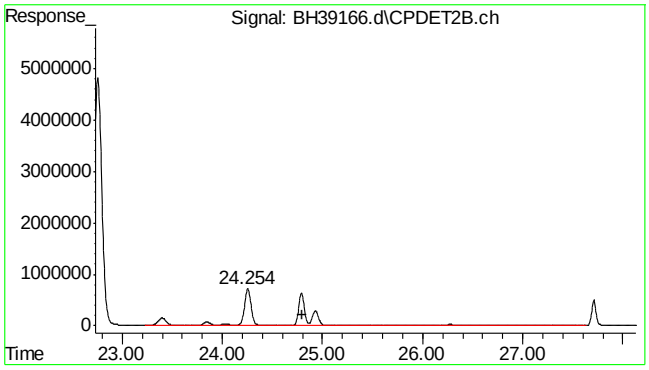

#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 87855809
Conc: 136.41 ppb m

7.4.1

7

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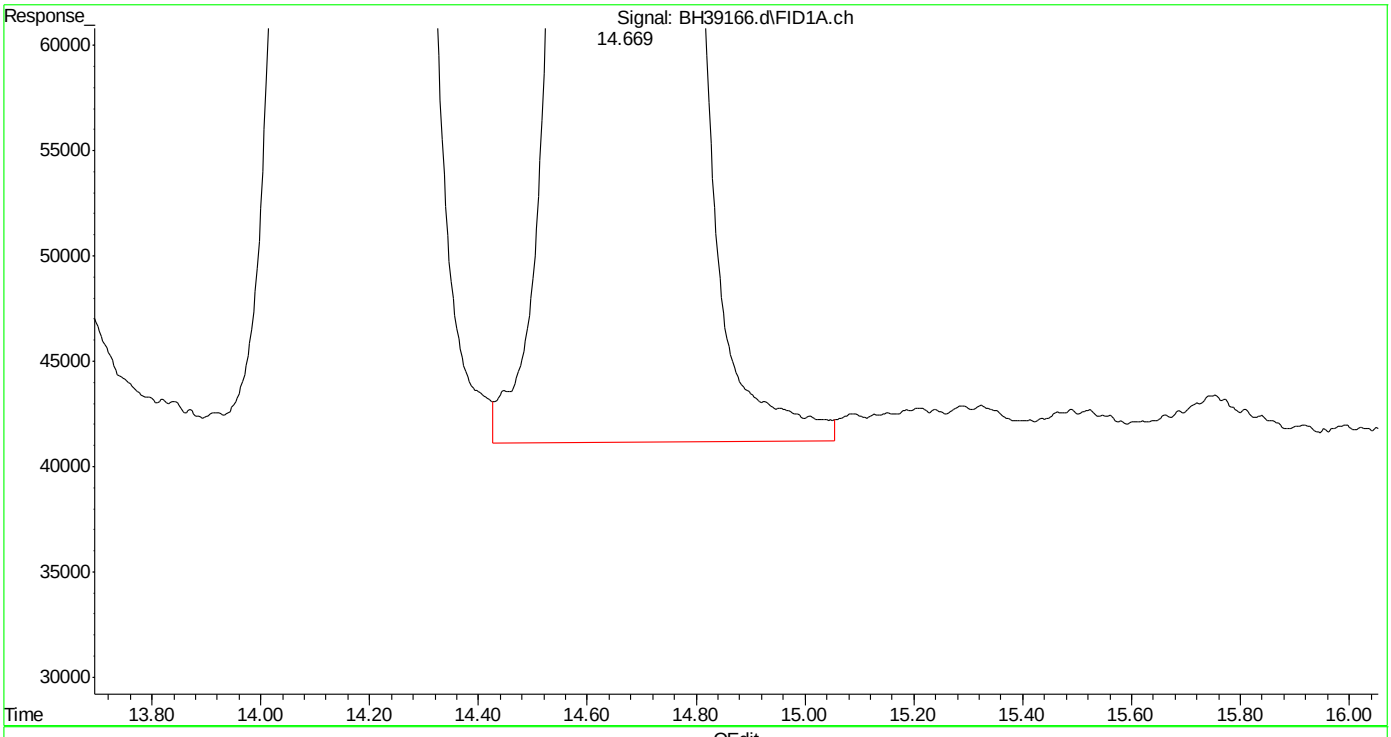
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 45.896 ppb
response 43095299

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:06:27 2016

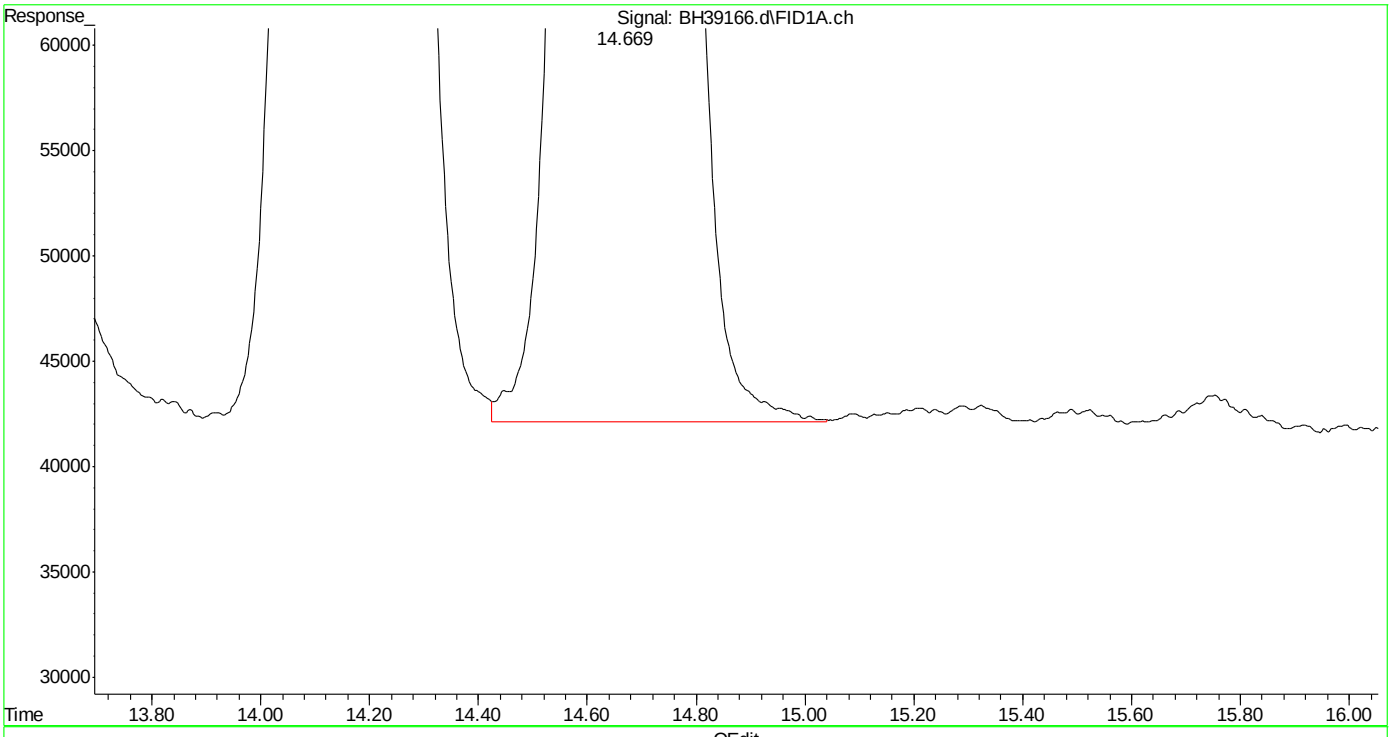
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.669min 45.504 ppb m
response 42727204

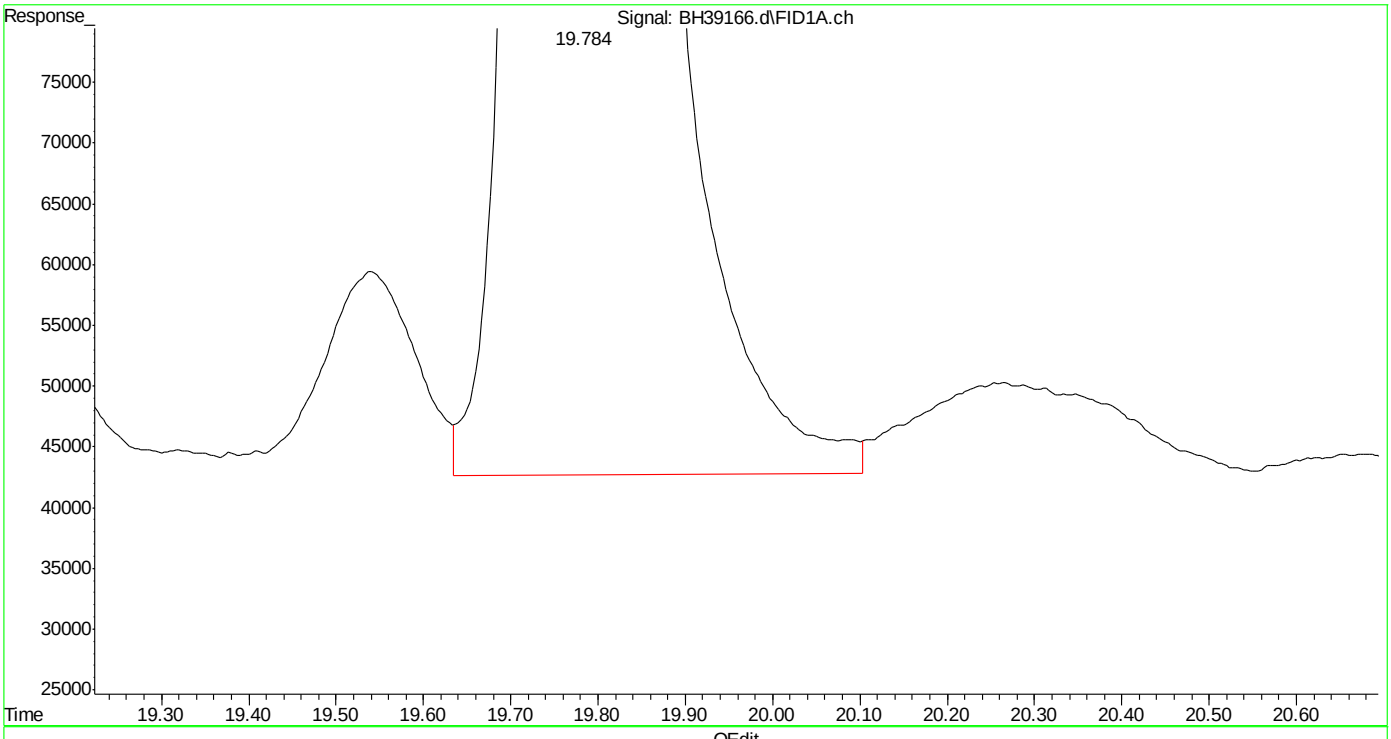
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:06:36 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.786min 47.384 ppb
response 38517748

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:06:42 2016

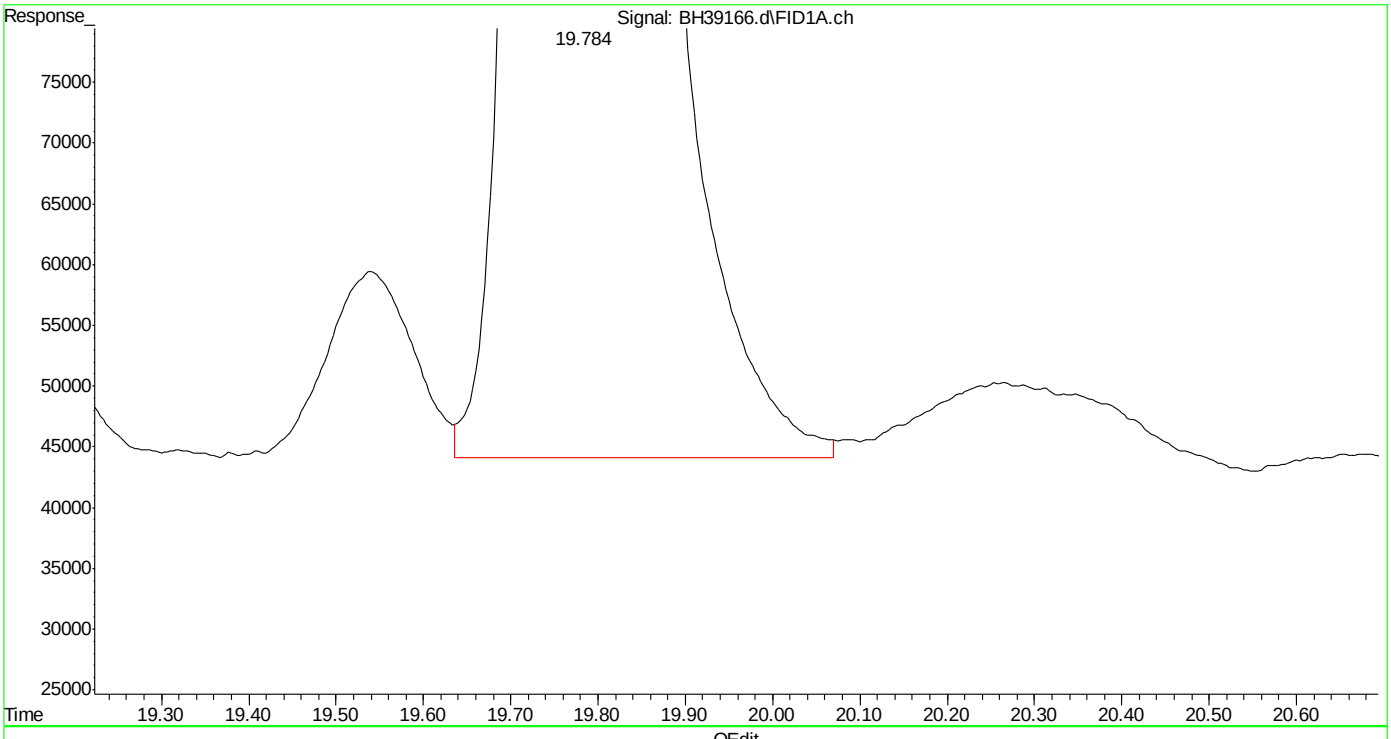
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.784min 46.863 ppb m
response 38093784

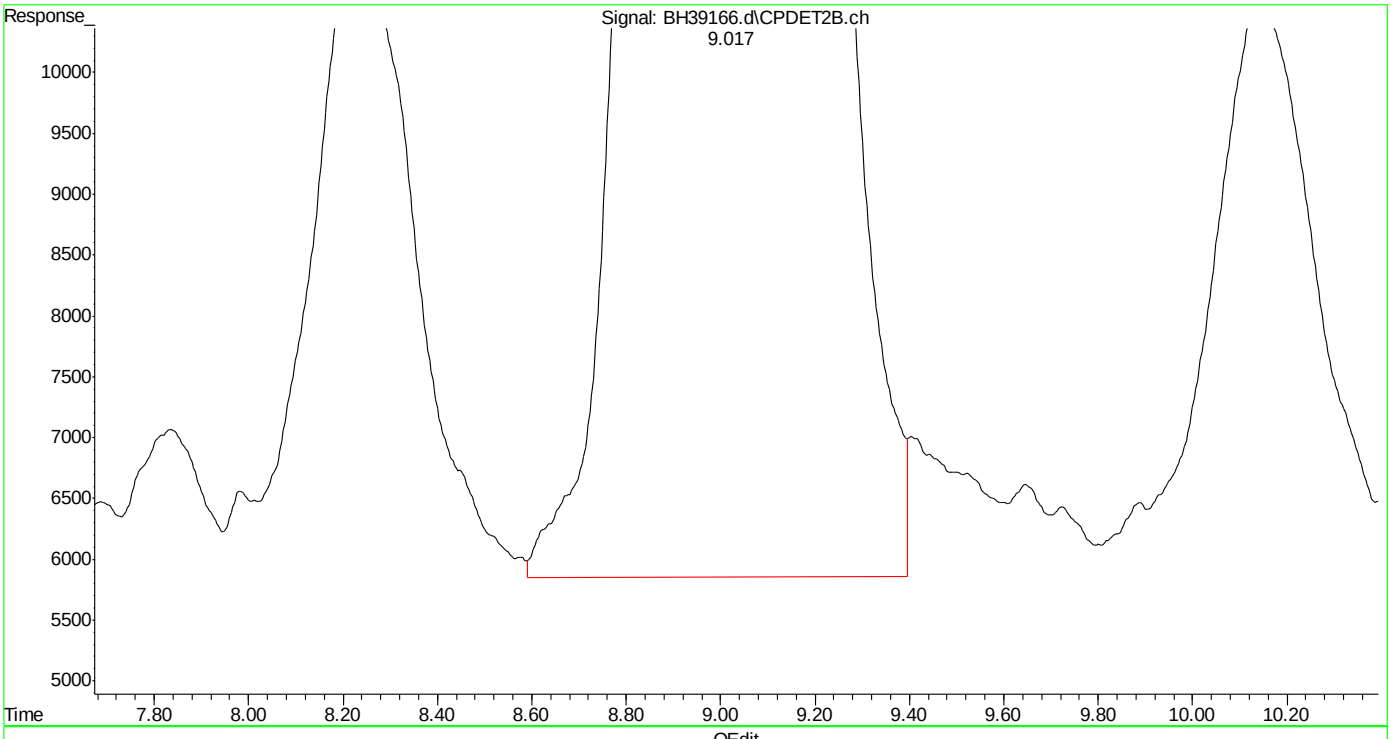
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.018min 48.193 ppb
response 13551847

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:07:02 2016

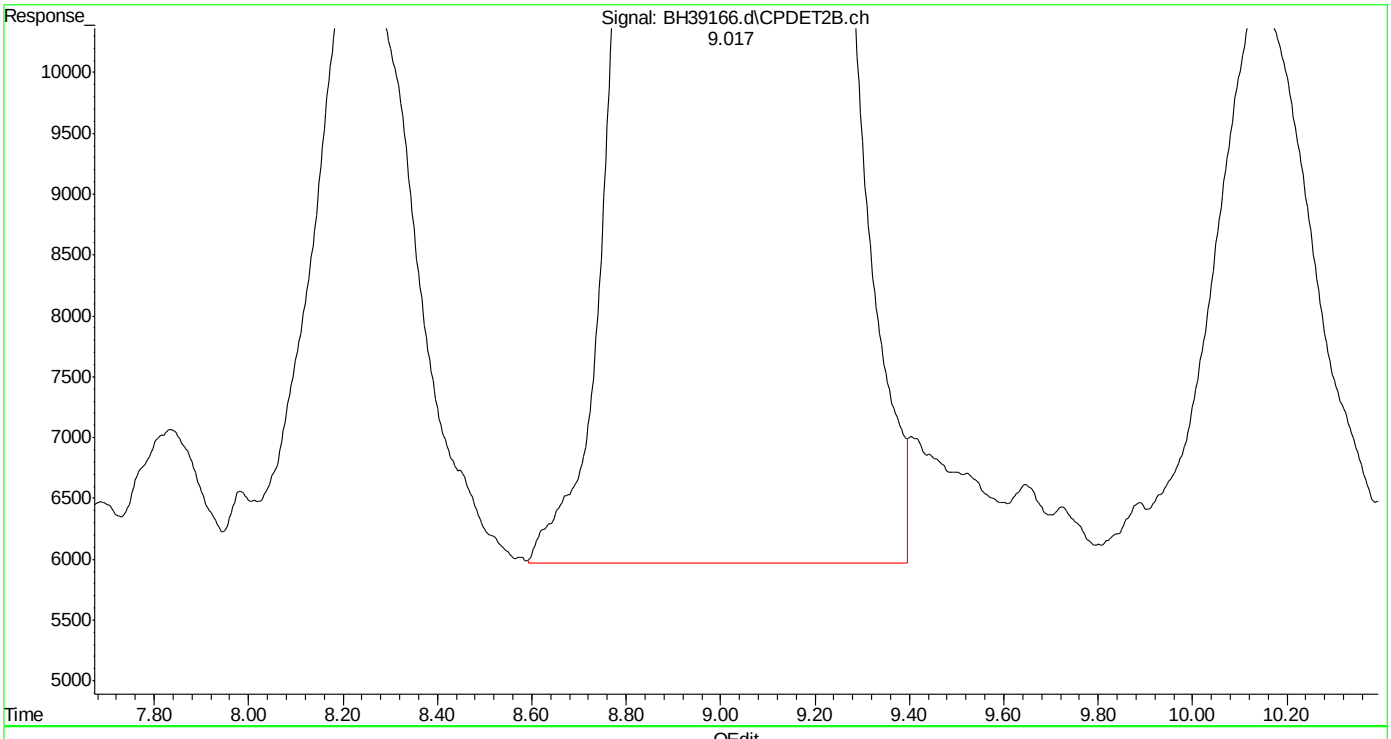
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.017min 48.001 ppb m
response 13497945

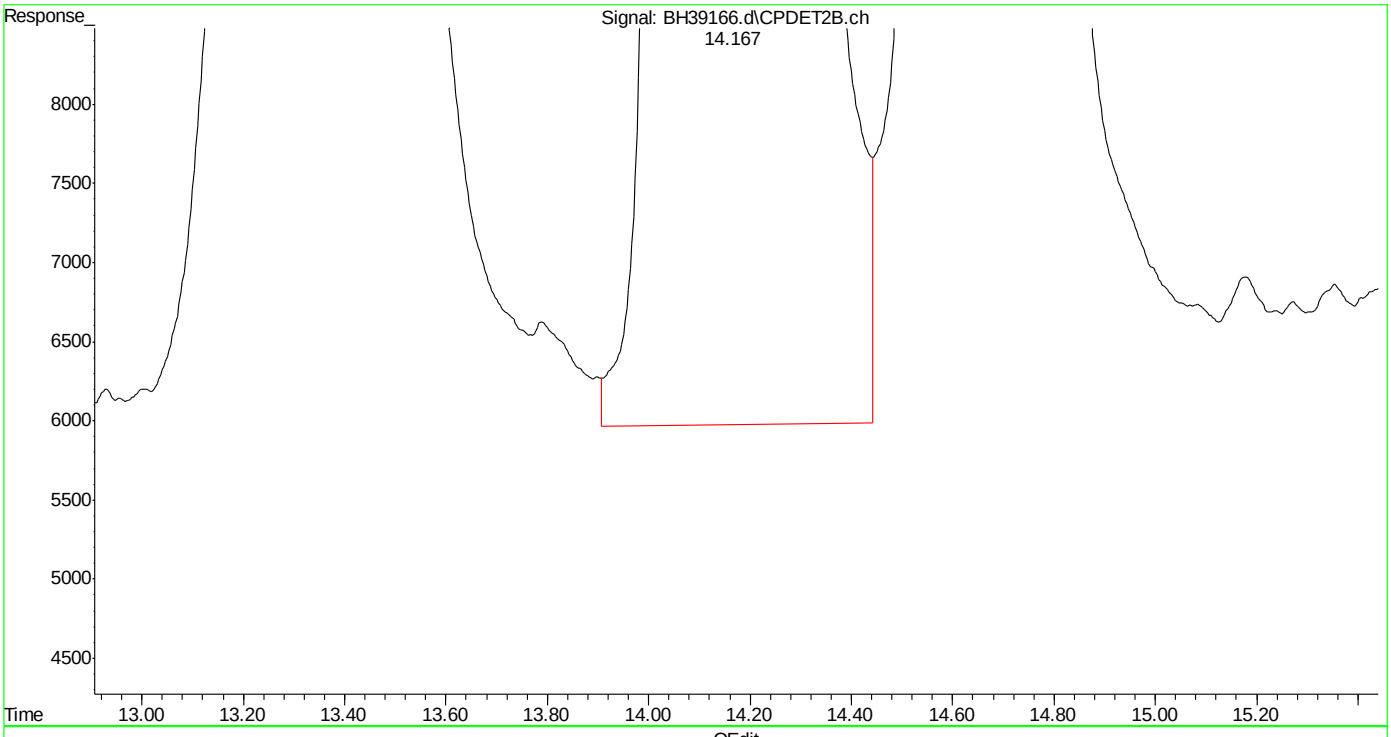
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:07:11 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.168min 45.835 ppb
response 30144464

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:07:15 2016

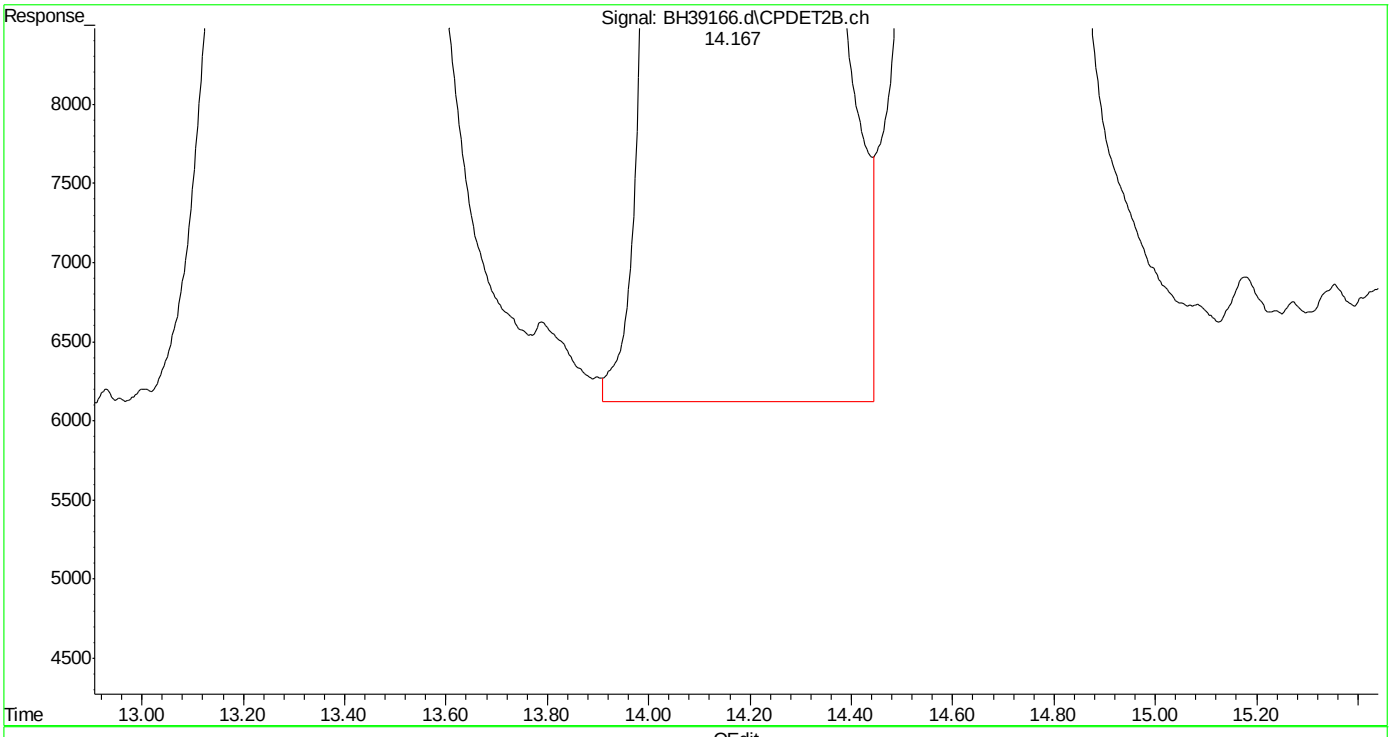
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016   2:59 pm
Operator  : danielf
Sample    : mc45857-4ms,w,vmavph,00
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 8   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(15) benzene #2 (t)

14.167min 45.768 ppb m

response 30100957

(+) = Expected Retention Time

bh160512vph.m Thu May 12 16:07:21 2016

Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(16) fluorobenzene #2 (s)
14.671min 48.944 ppb
response 19891458

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:07:26 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(16) fluorobenzene #2 (s)
14.669min 48.682 ppb m
response 19785013

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:07:31 2016

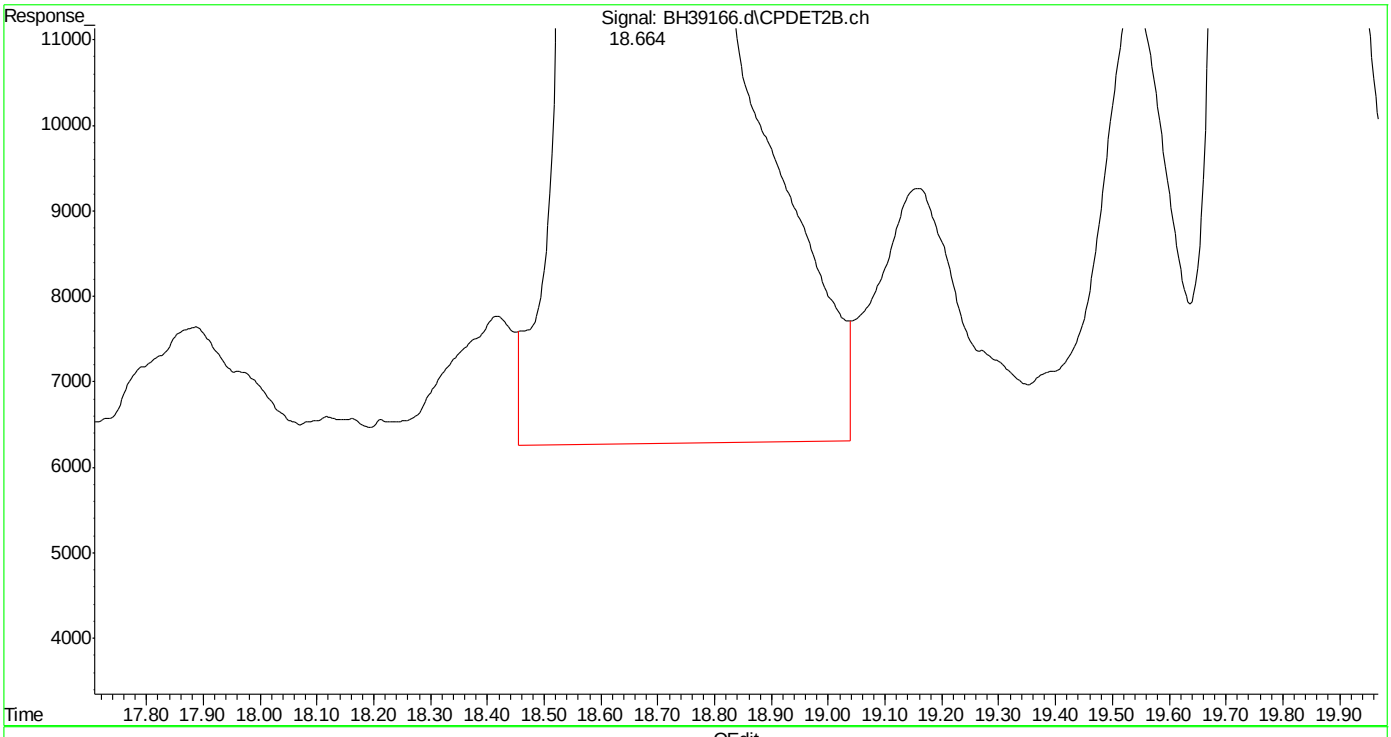
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.665min 52.418 ppb
response 32325409

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:07:36 2016

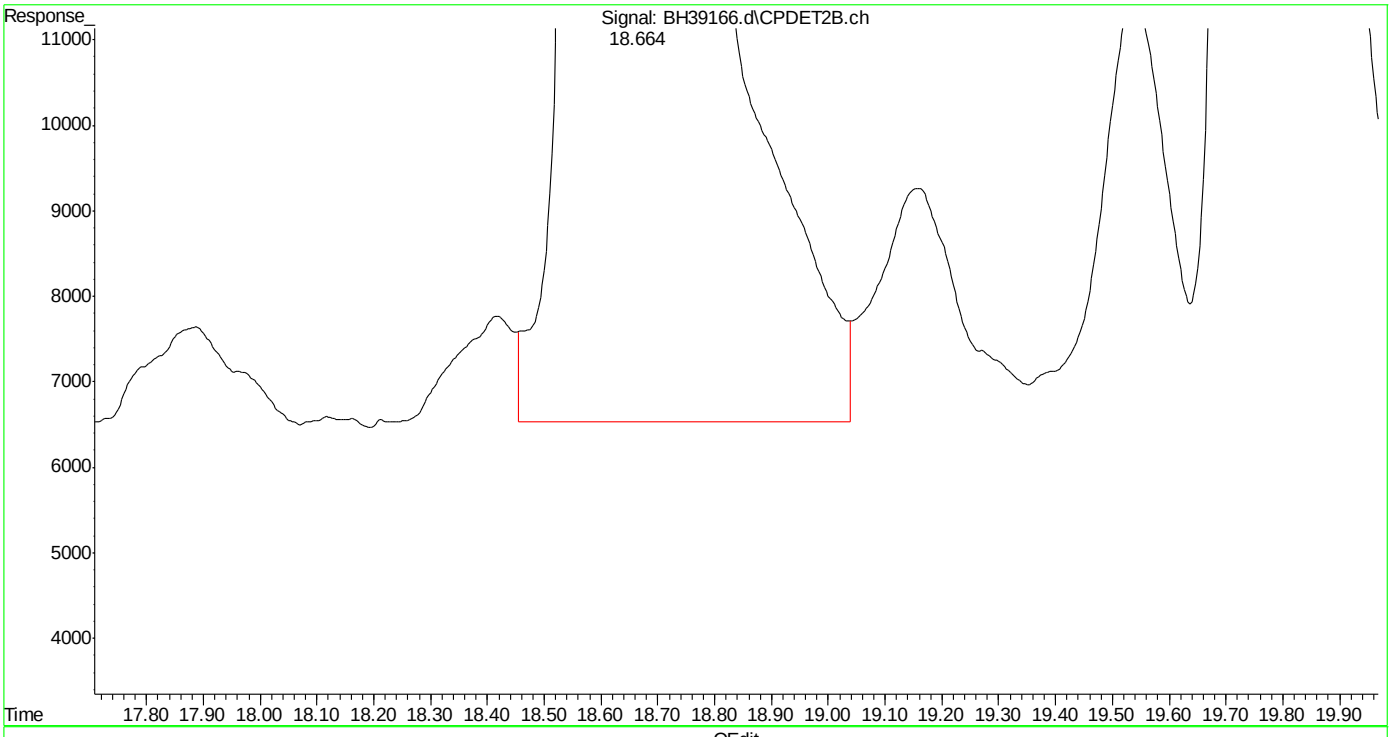
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.664min 52.274 ppb m
response 32236781

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:07:43 2016

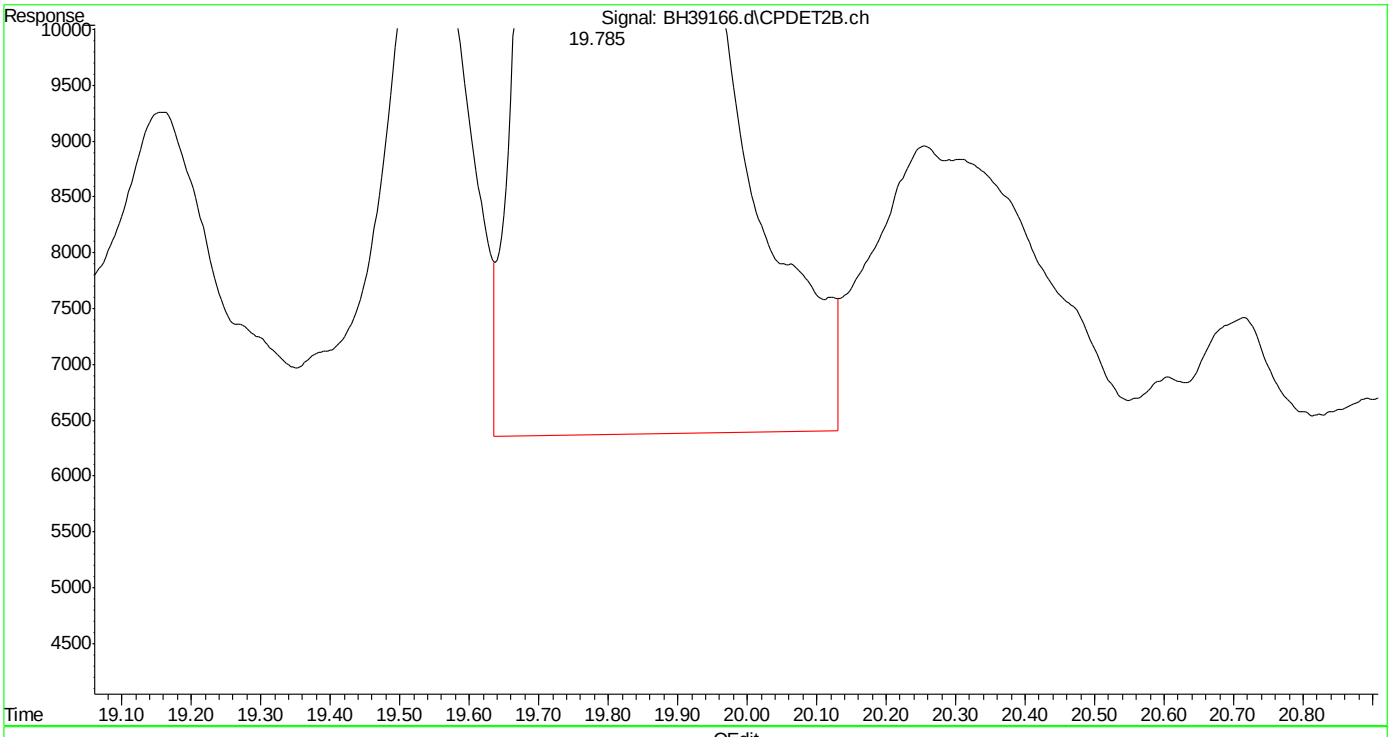
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 50.345 ppb
response 12786580

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:07:47 2016

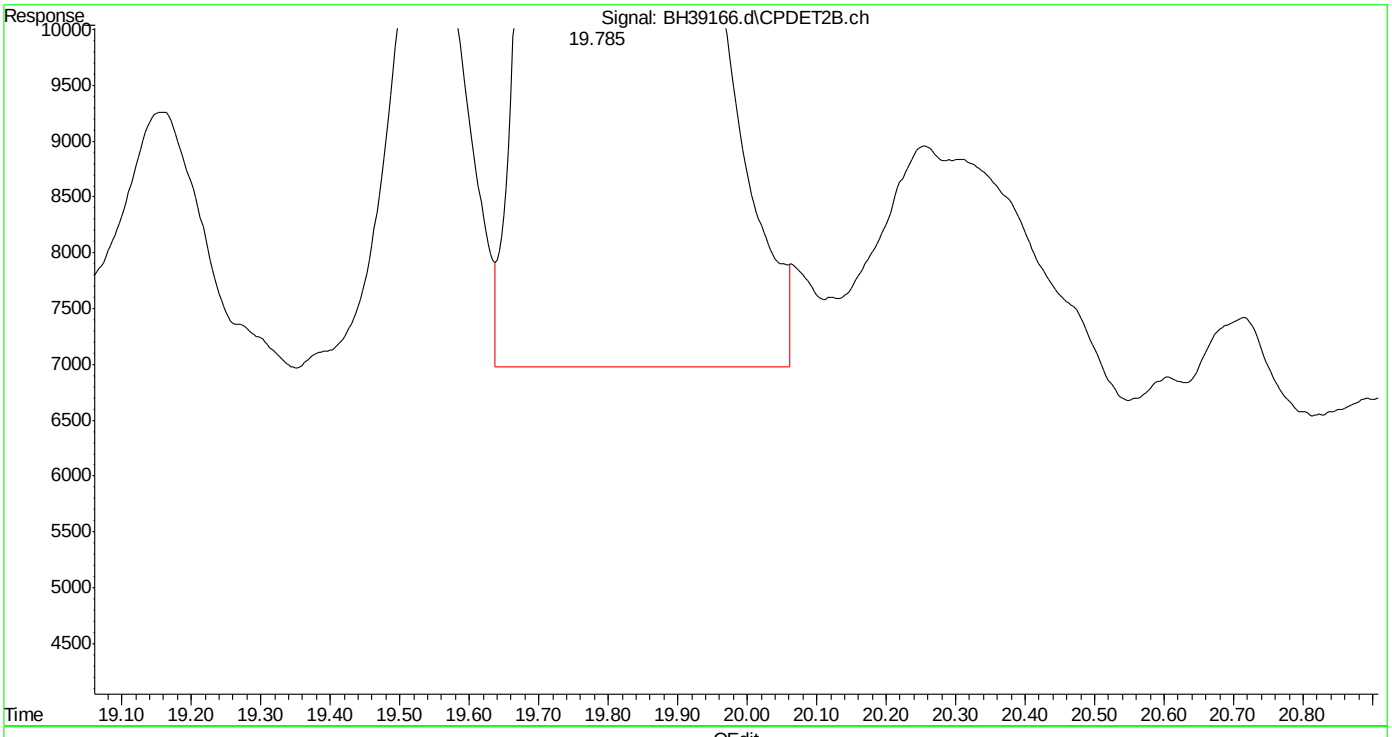
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 49.534 ppb m
response 12580631

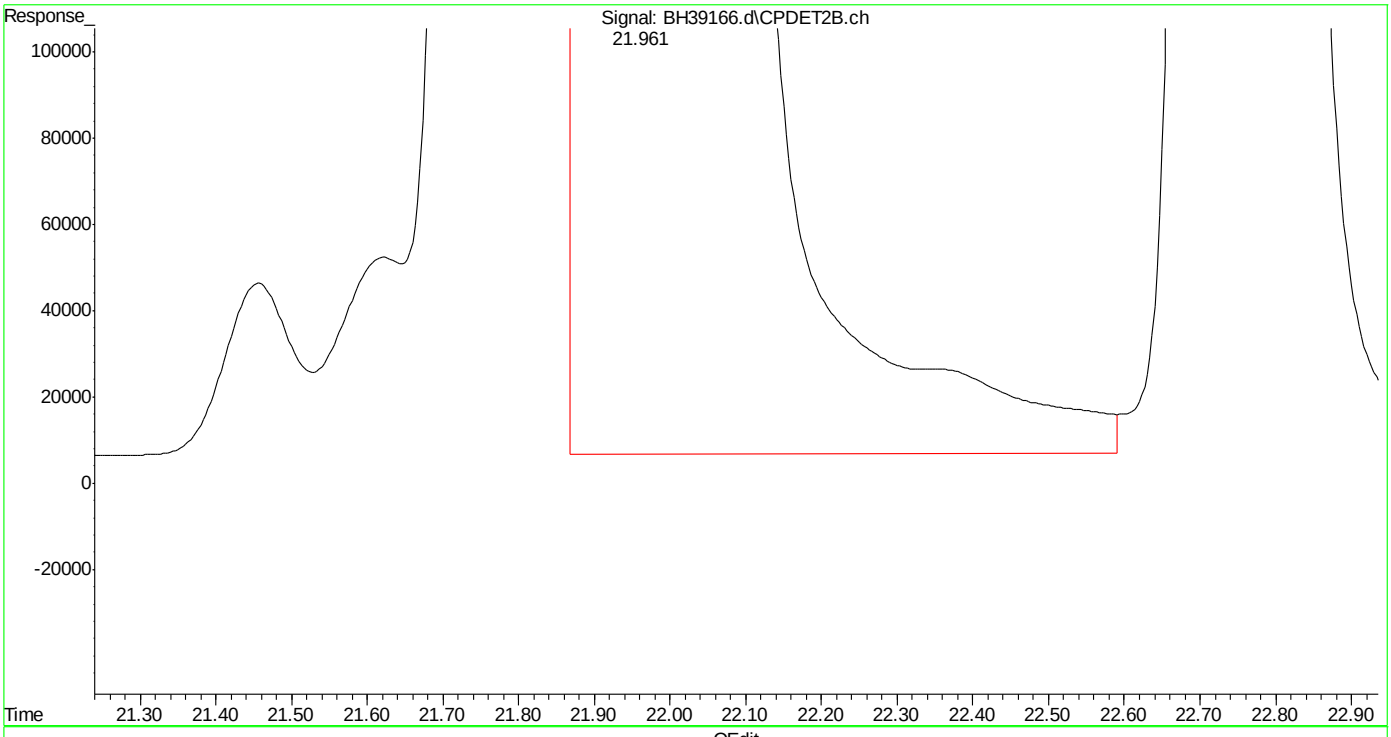
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:07:52 2016

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016   2:59 pm
Operator  : danielf
Sample    : mc45857-4ms,w,vmavph,00
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 8   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(20) m,p-xylene #2 (t)

21.963min 5088.227 ppb

response 3394040406

(+) = Expected Retention Time

bh160512vph.m Thu May 12 16:08:17 2016

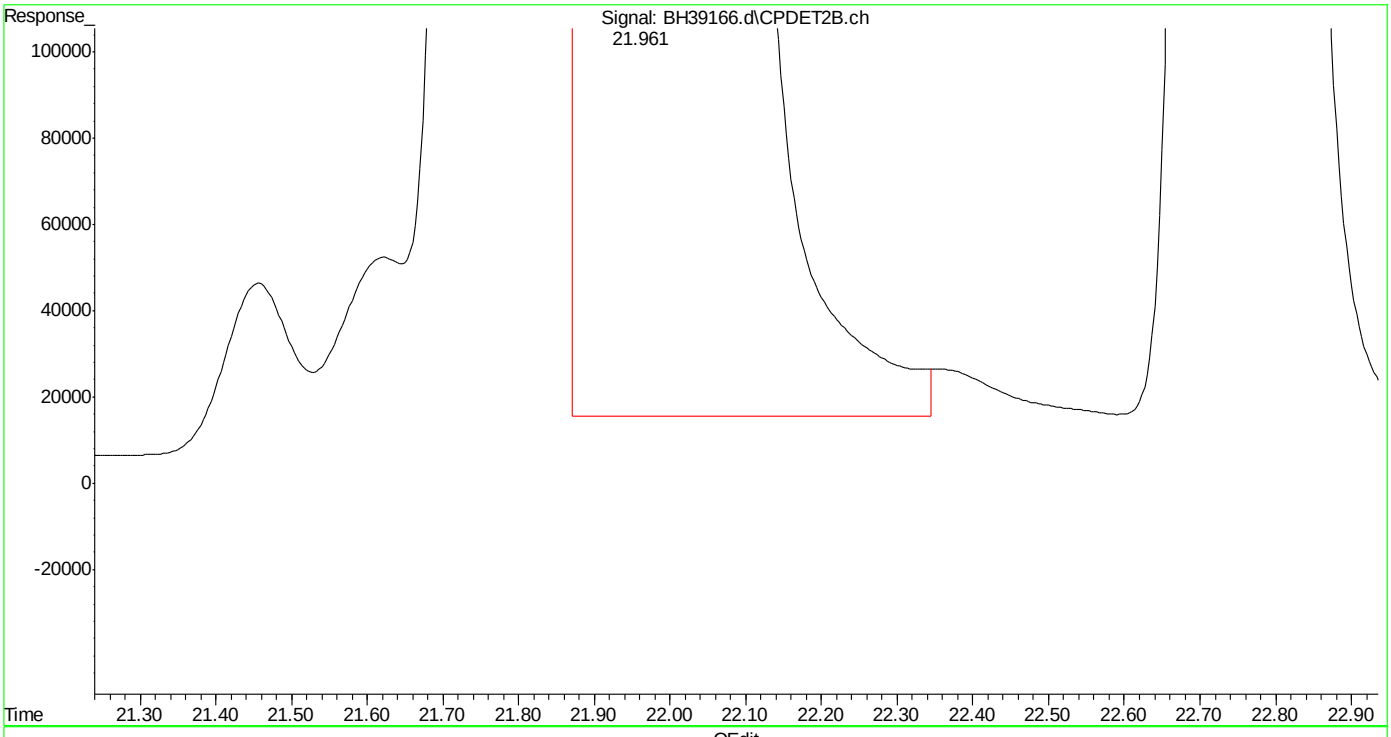
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.961min 5055.695 ppb m
response 3372340055

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:08:26 2016

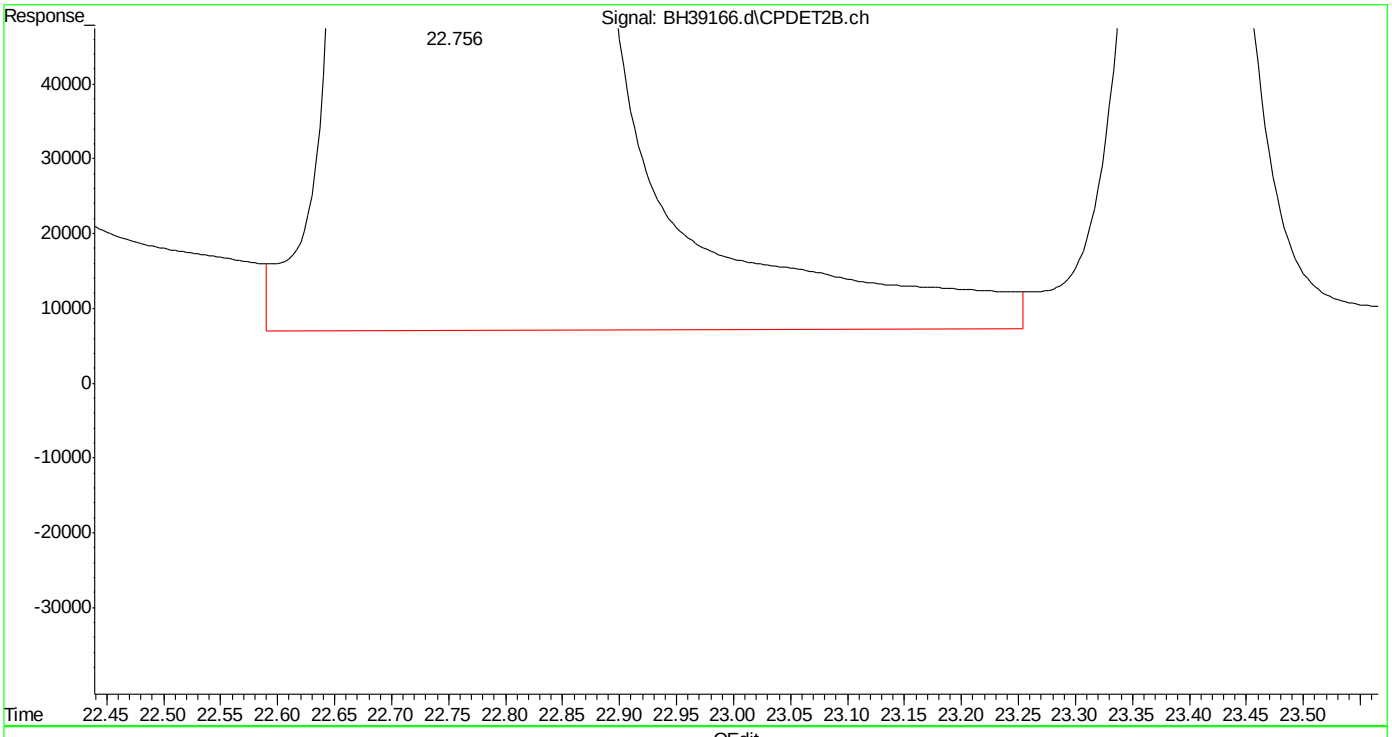
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.757min 467.652 ppb
response 272241503

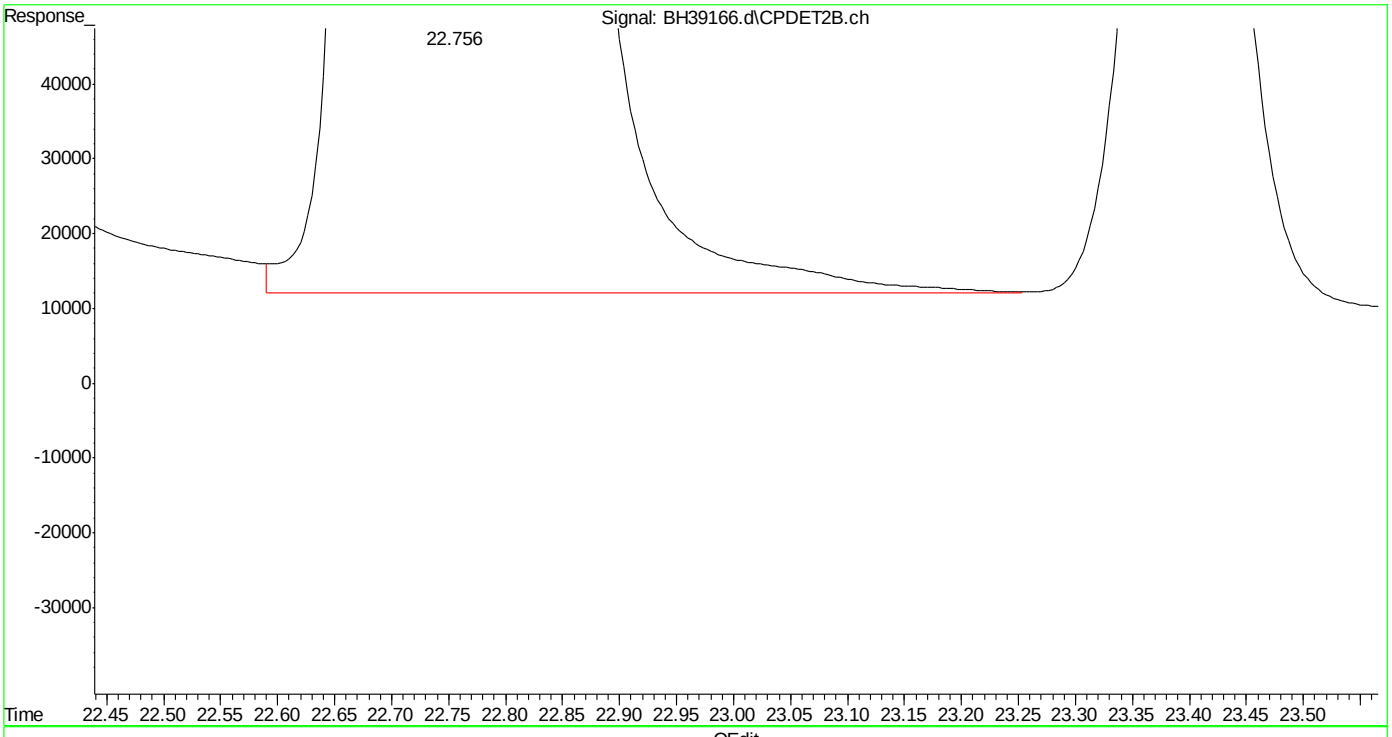
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:08:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.756min 464.285 ppb m
response 270281412

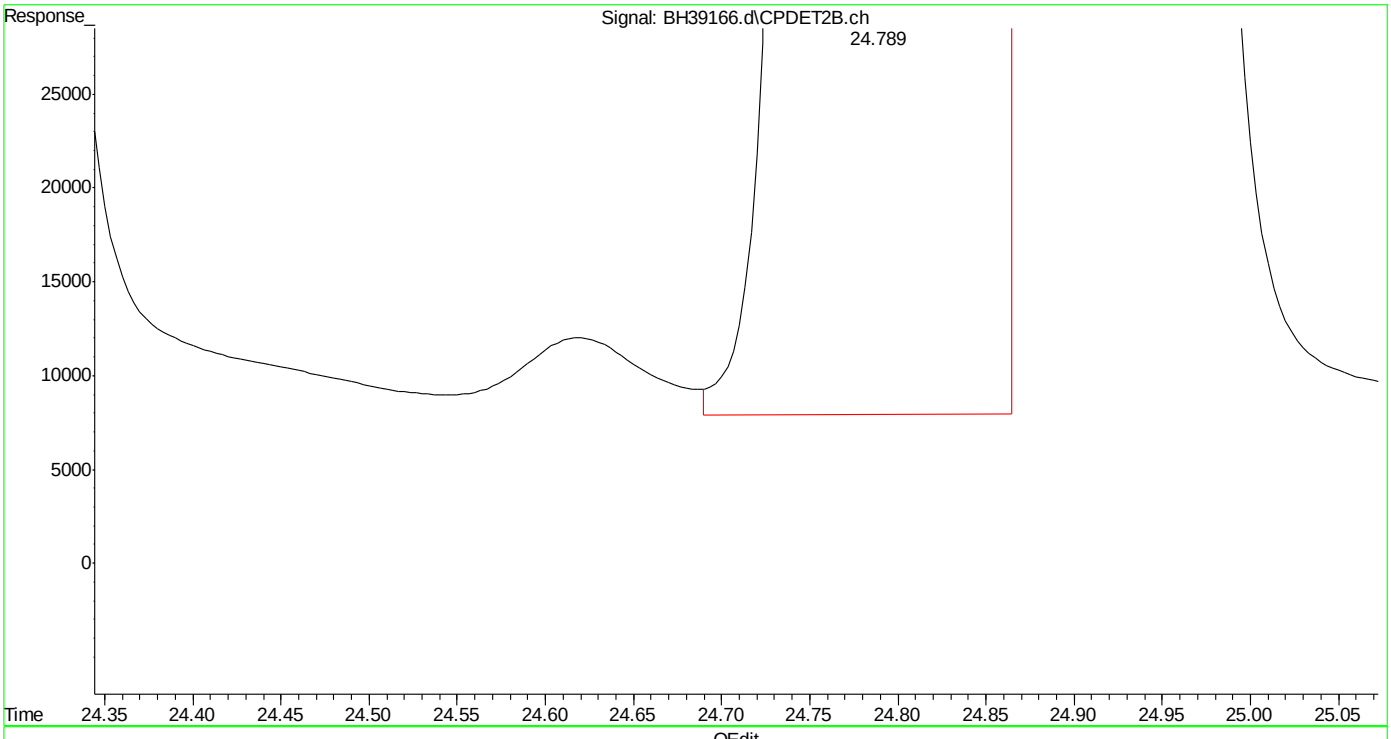
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:08:38 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.791min 38.017 ppb
response 24487317

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:08:45 2016

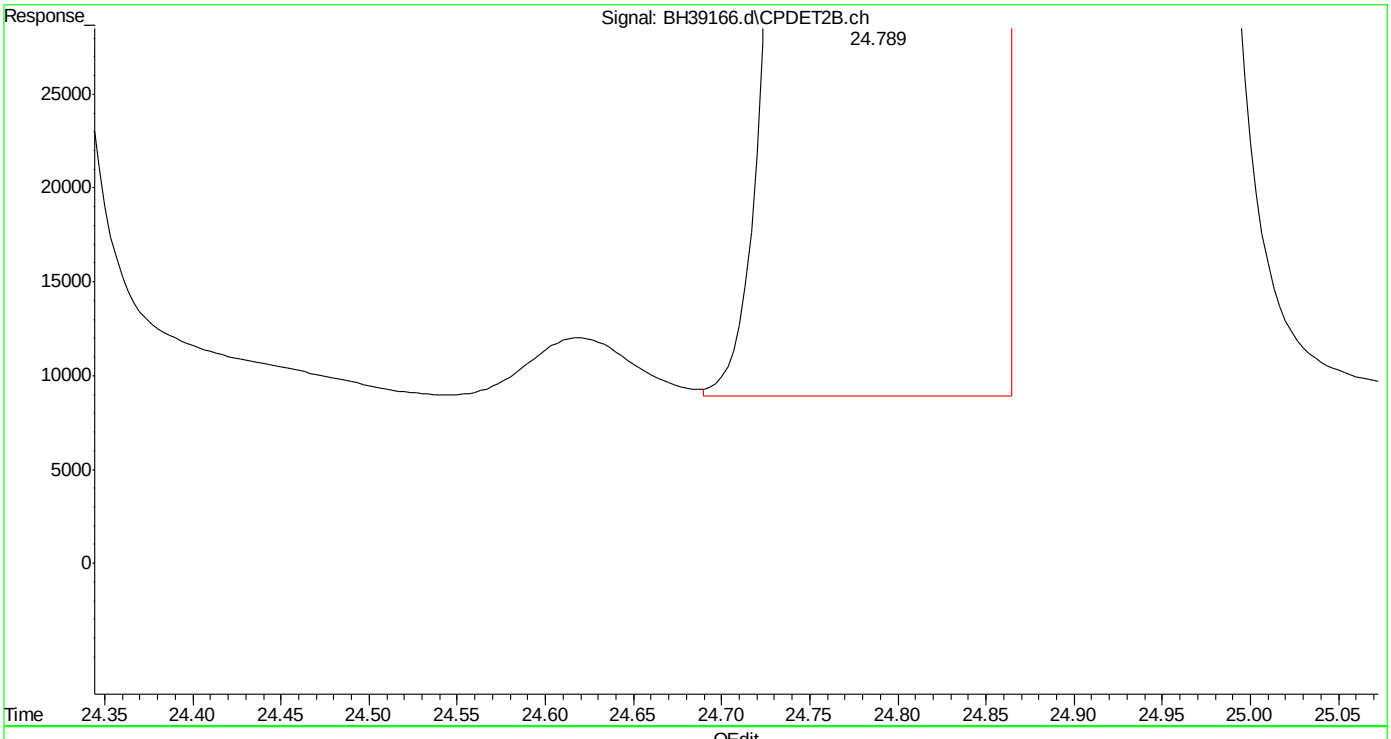
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.789min 37.931 ppb m
response 24431979

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:08:52 2016

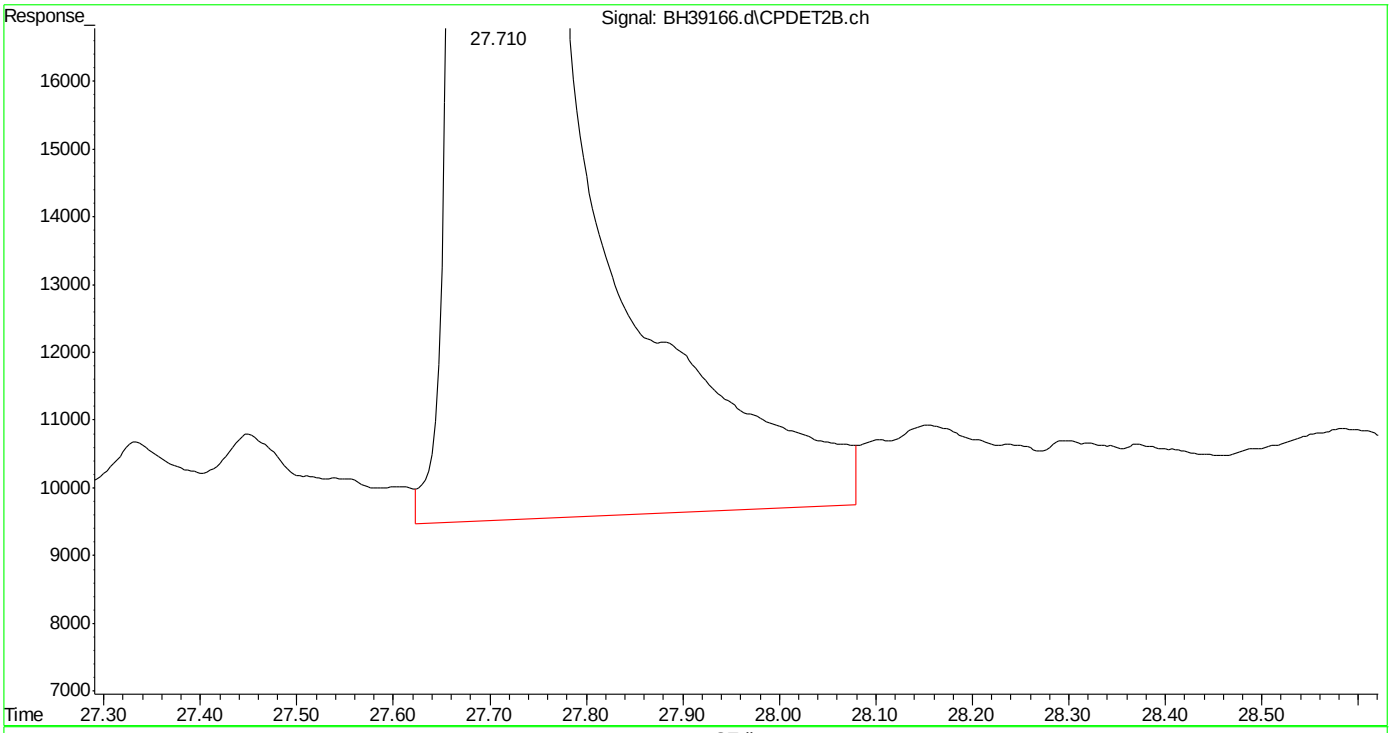
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.711min 27.189 ppb
response 14864122

(+) = Expected Retention Time

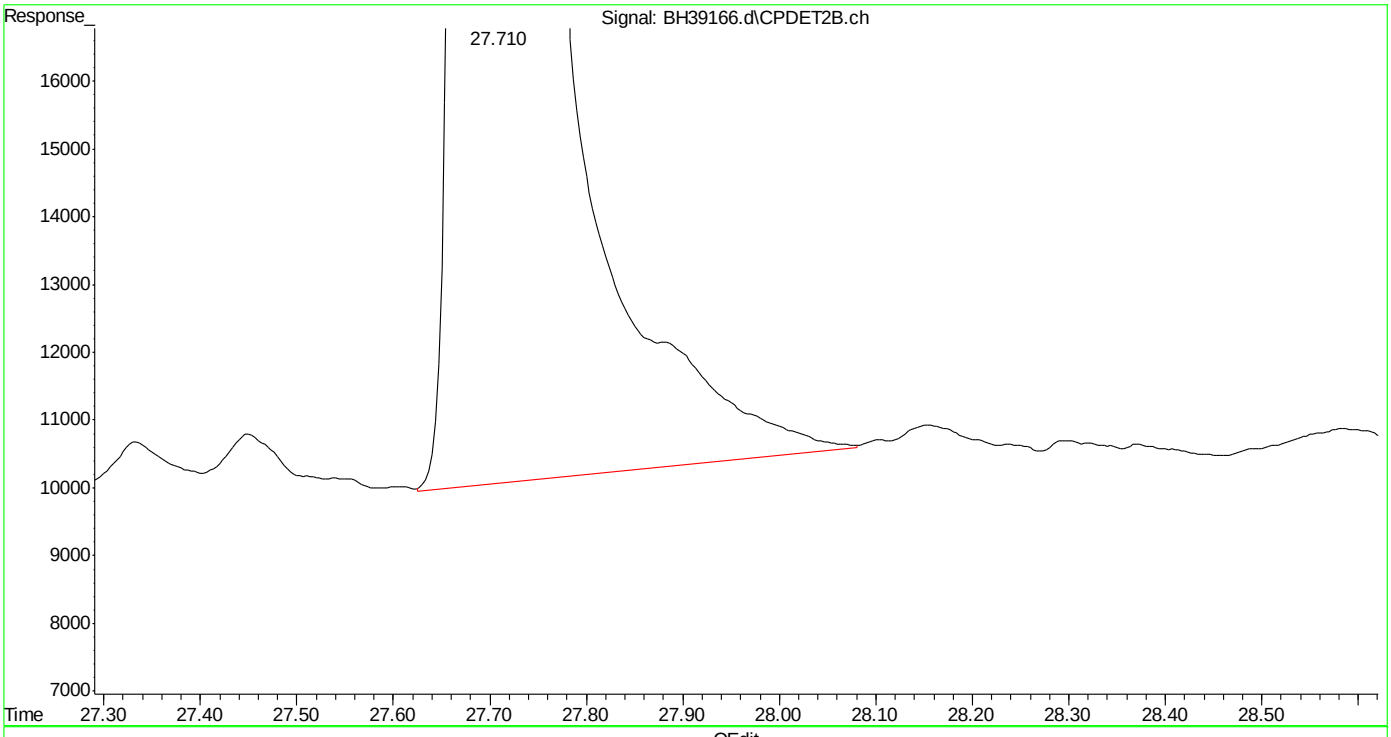
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:06:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 26.853 ppb m
response 14680510

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:09:06 2016

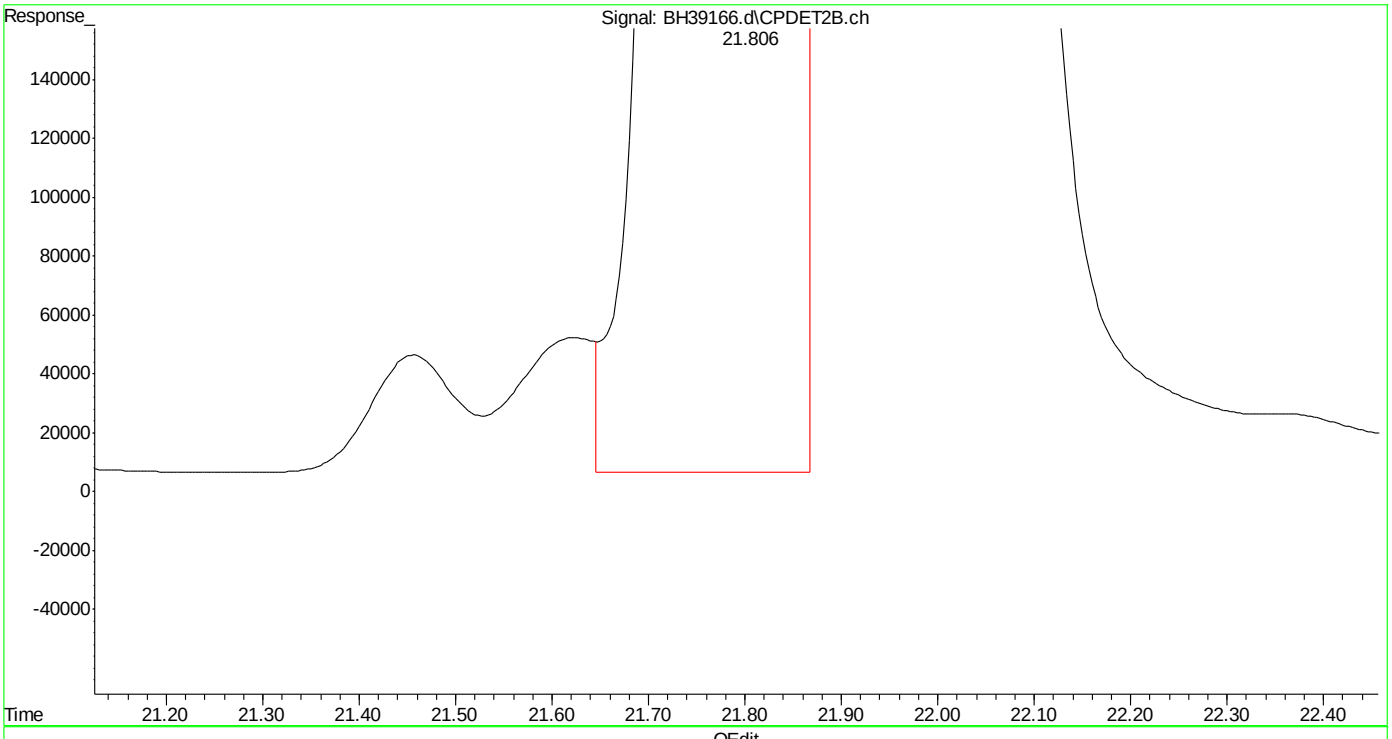
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39166.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 2:59 pm
Operator : danielf
Sample : mc45857-4ms,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:13:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) ethylbenzene #2 (t)
21.806min 1918.095 ppb m
response 1049507158

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:14:40 2016

SGS ACCUTEST MC45857

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:14:55 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.669	42753064	45.532	ppb	m
Spiked Amount 50.000		Recovery = 91.06%			
6) s 2,3,4-trifluorotoluene	19.785	38079860	46.846	ppb	m
Spiked Amount 50.000		Recovery = 93.69%			
16) s fluorobenzene #2	14.669	19501566	47.984	ppb	m
Spiked Amount 50.000		Recovery = 95.97%			
18) s 2,3,4-trifluorotoluen...	19.785	12460771	49.062	ppb	m
Spiked Amount 50.000		Recovery = 98.12%			
Target Compounds					
1) h rt5.5-7	5.980	33279906	32.224	ppb	m
2) h rt7/10	8.250	40156839	38.883	ppb	m
3) h rt10/13	13.360	49875280	48.293	ppb	m
8) h rt20/25	21.460	9721947132	8082.998	ppb	
14) t mtbe #2	9.016	13891044	49.399	ppb	m
15) t benzene #2	14.167	29768437	45.263	ppb	m
17) t toluene #2	18.664	31699399	51.403	ppb	m
19) t ethylbenzene #2	21.806	997746566	1823.496	ppb	m
20) t m,p-xylene #2	21.961	3215663332	4820.810	ppb	m
21) t o-xylene #2	22.756	255687798	439.216	ppb	m
23) t 1,2,4-trimethylbenzen...	24.790	24516854	38.062	ppb	m
24) t naphthalene #2	27.710	15211282	27.824	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	87688840	136.155	ppb	m

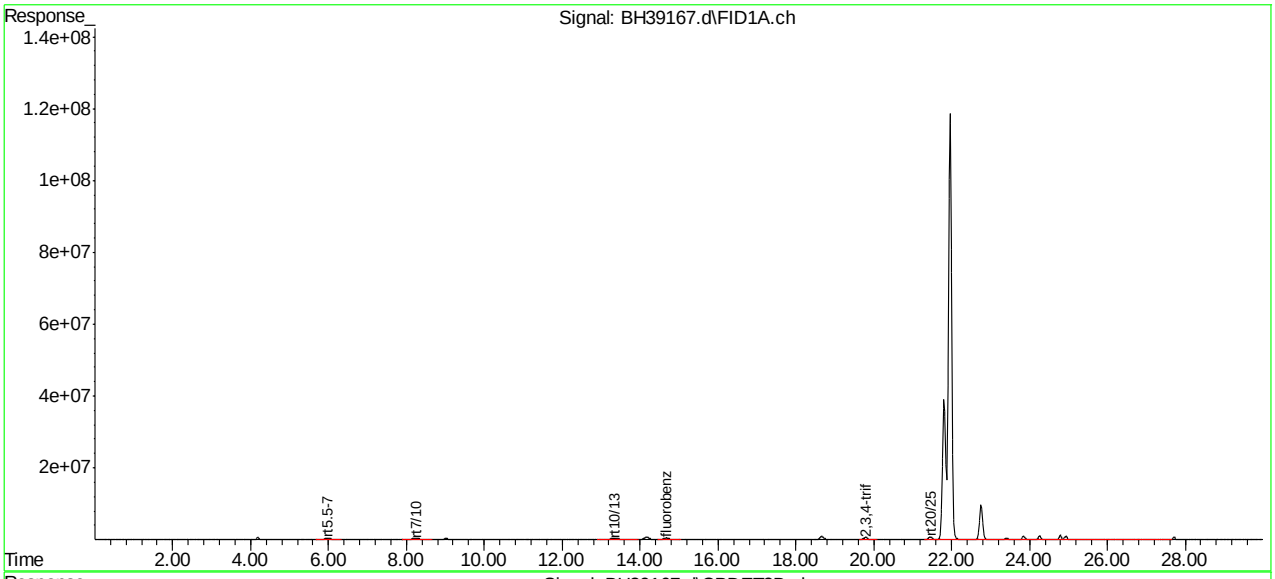
(f)=RT Delta > 1/2 Window (m)=manual int.

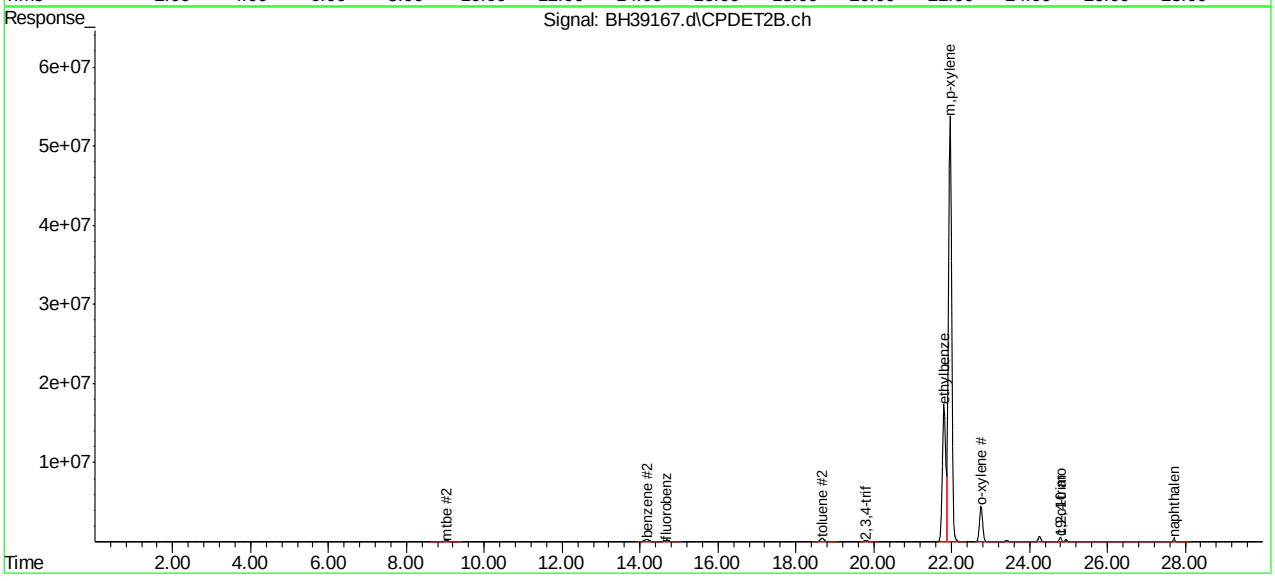
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

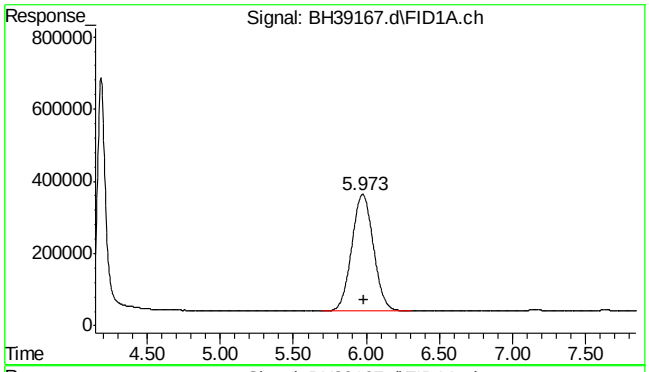
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:14:55 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



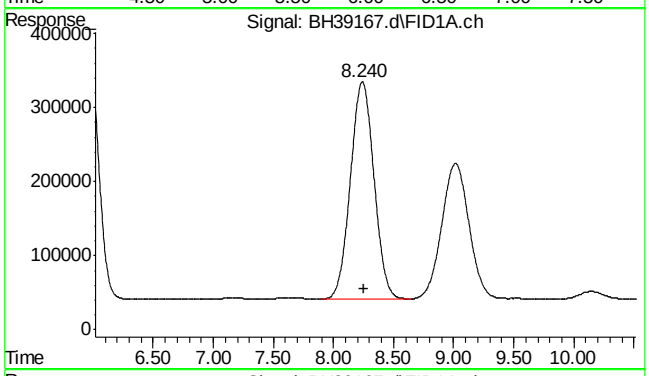


SGS ACCUTEST MC45857



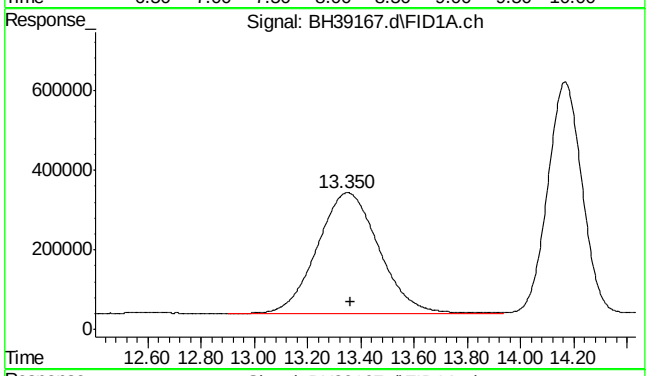
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 33279906
Conc: 32.22 ppb m



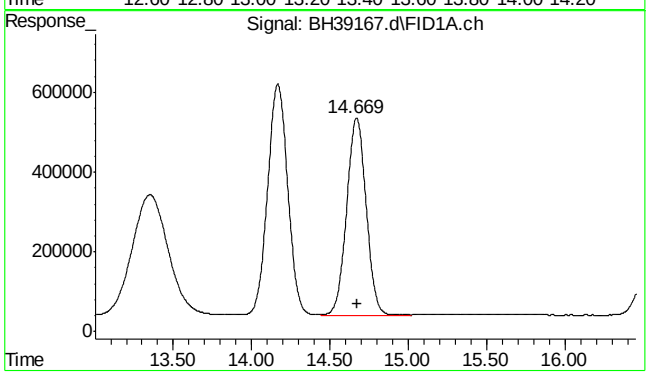
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 40156839
Conc: 38.88 ppb m



#3 rt10/13

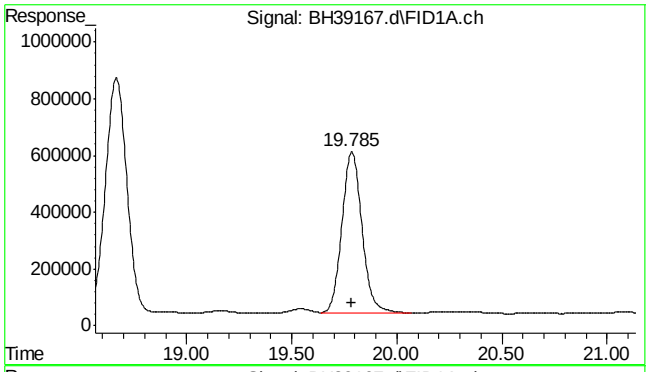
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 49875280
Conc: 48.29 ppb m



#4 fluorobenzene

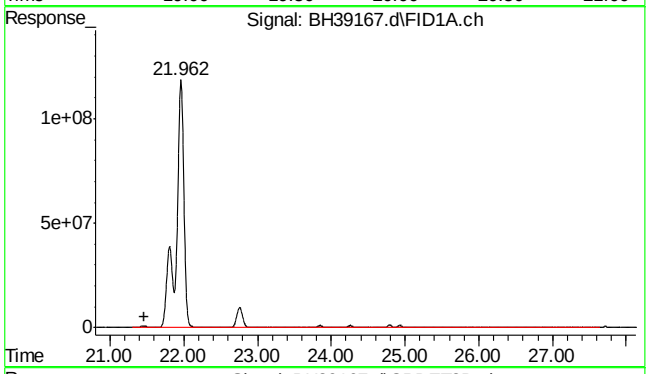
R.T.: 14.669 min
Delta R.T.: -0.003 min
Response: 42753064
Conc: 45.53 ppb m

SGS ACCUTEST MC45857



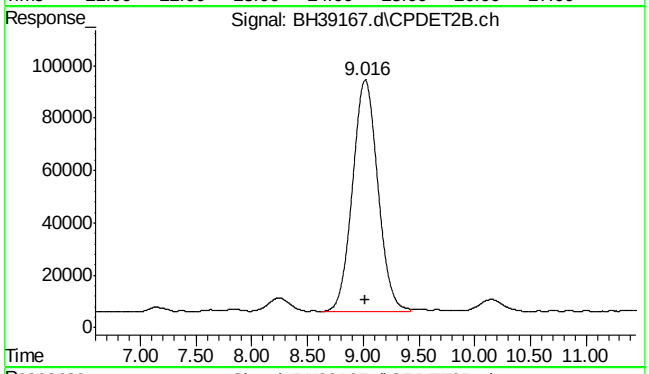
#6 2,3,4-trifluorotoluene

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 38079860
Conc: 46.85 ppb m



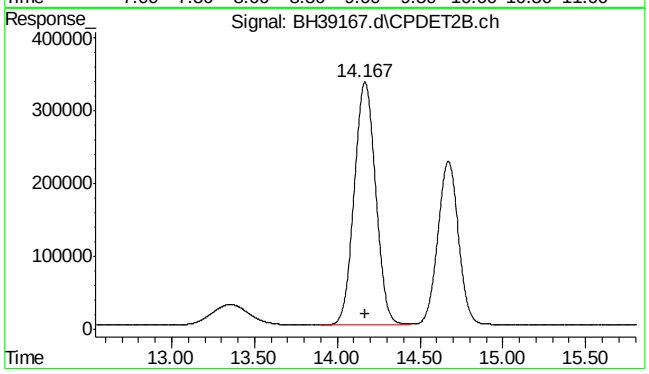
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 9721947132
Conc: 8083.00 ppb



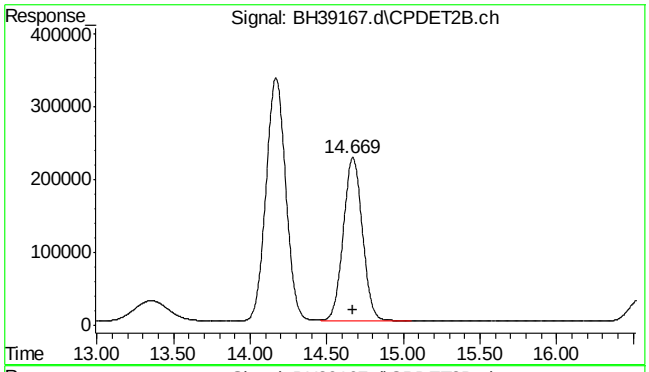
#14 mtbe #2

R.T.: 9.016 min
Delta R.T.: 0.000 min
Response: 13891044
Conc: 49.40 ppb m



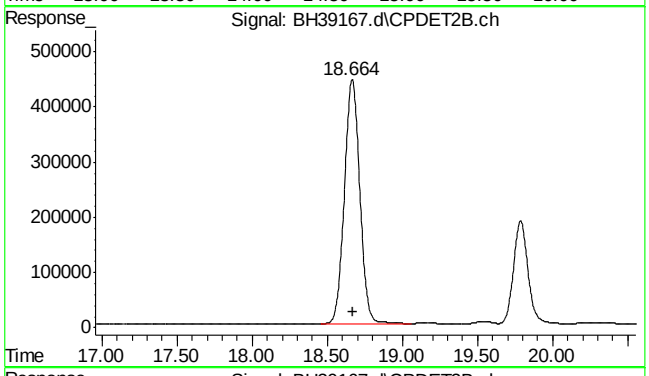
#15 benzene #2

R.T.: 14.167 min
Delta R.T.: -0.003 min
Response: 29768437
Conc: 45.26 ppb m



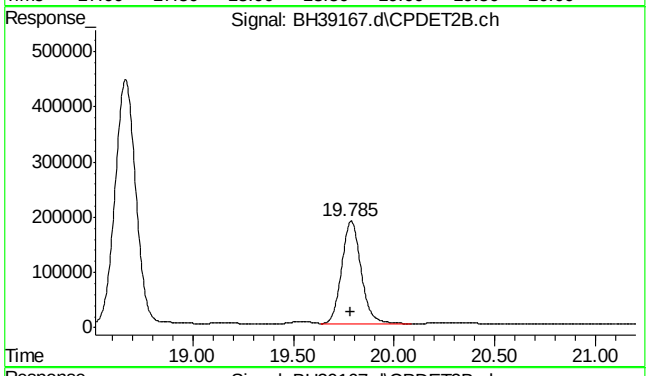
#16 fluorobenzene #2

R.T.: 14.669 min
Delta R.T.: -0.002 min
Response: 19501566
Conc: 47.98 ppb m



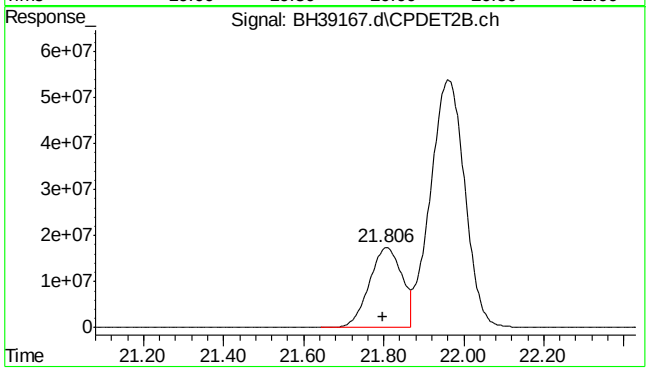
#17 toluene #2

R.T.: 18.664 min
Delta R.T.: -0.001 min
Response: 31699399
Conc: 51.40 ppb m



#18 2,3,4-trifluorotoluene #2

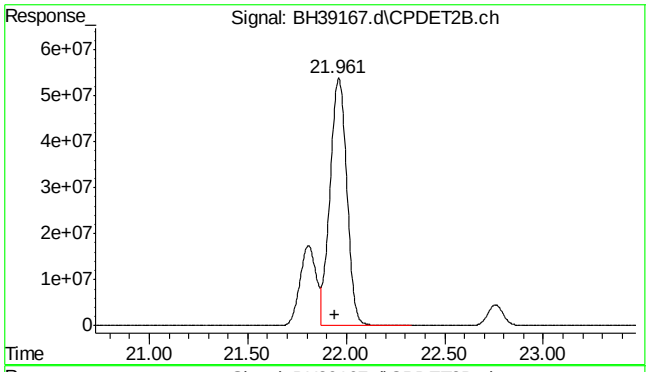
R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 12460771
Conc: 49.06 ppb m



#19 ethylbenzene #2

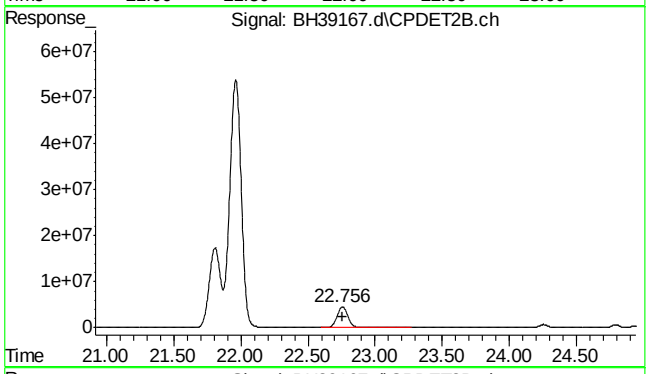
R.T.: 21.806 min
Delta R.T.: 0.007 min
Response: 997746566
Conc: 1823.50 ppb m

SGS ACCUTEST MC45857



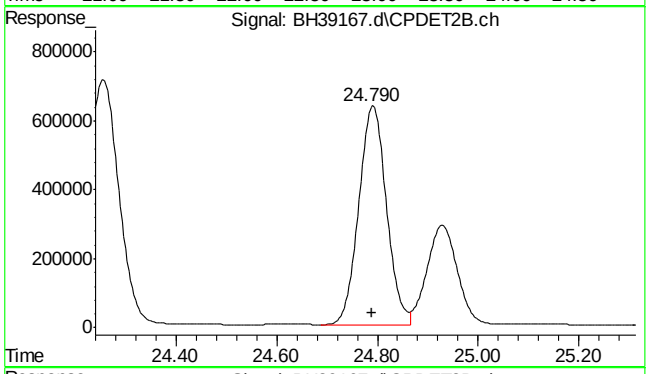
#20 m,p-xylene #2

R.T.: 21.961 min
Delta R.T.: 0.018 min
Response: 3215663332
Conc: 4820.81 ppb m



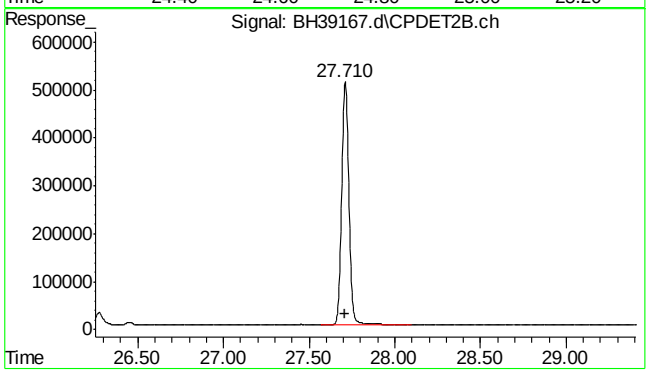
#21 o-xylene #2

R.T.: 22.756 min
Delta R.T.: 0.000 min
Response: 255687798
Conc: 439.22 ppb m



#23 1,2,4-trimethylbenzene #2

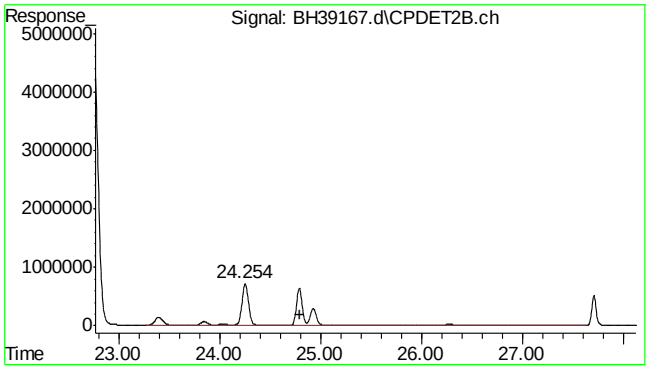
R.T.: 24.790 min
Delta R.T.: 0.000 min
Response: 24516854
Conc: 38.06 ppb m



#24 naphthalene #2

R.T.: 27.710 min
Delta R.T.: 0.001 min
Response: 15211282
Conc: 27.82 ppb m

SGS ACCUTEST MC45857



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 87688840
Conc: 136.16 ppb m

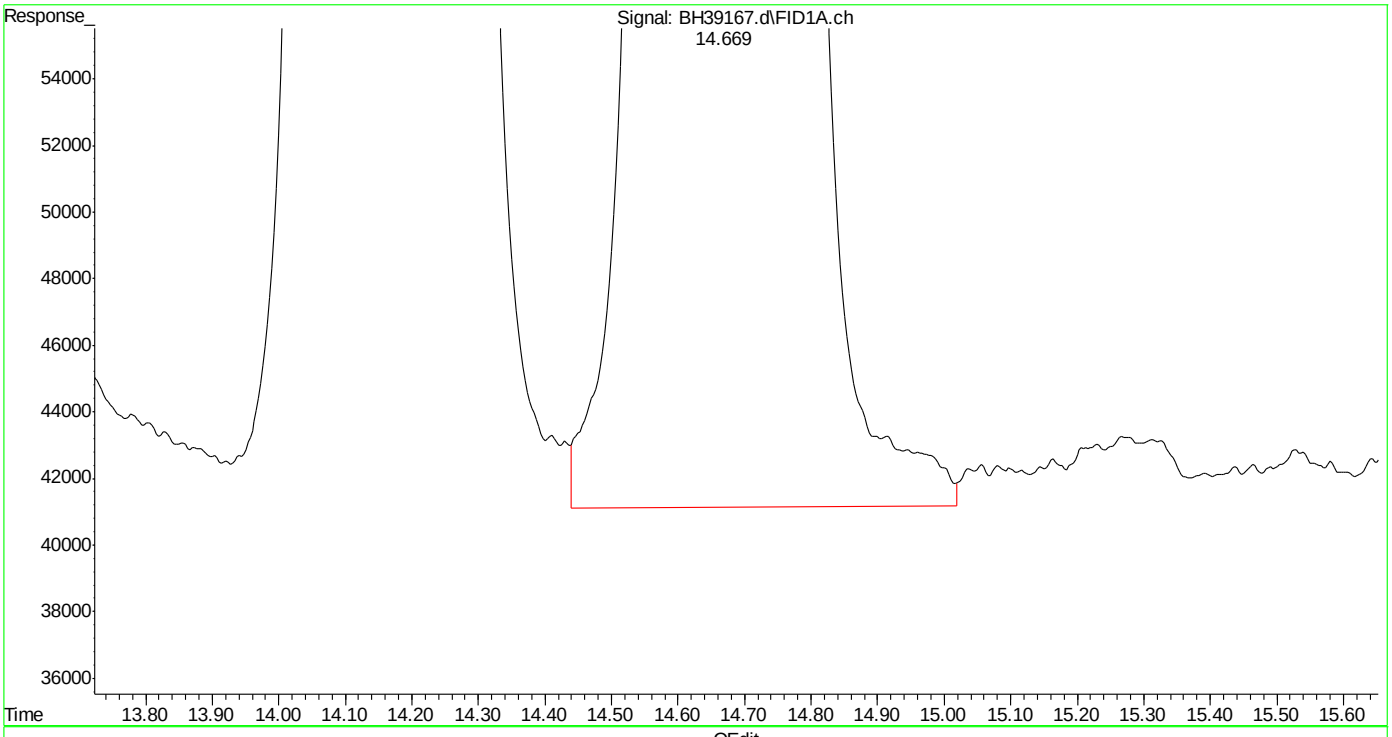
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 45.755 ppb
response 42963103

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:09:56 2016

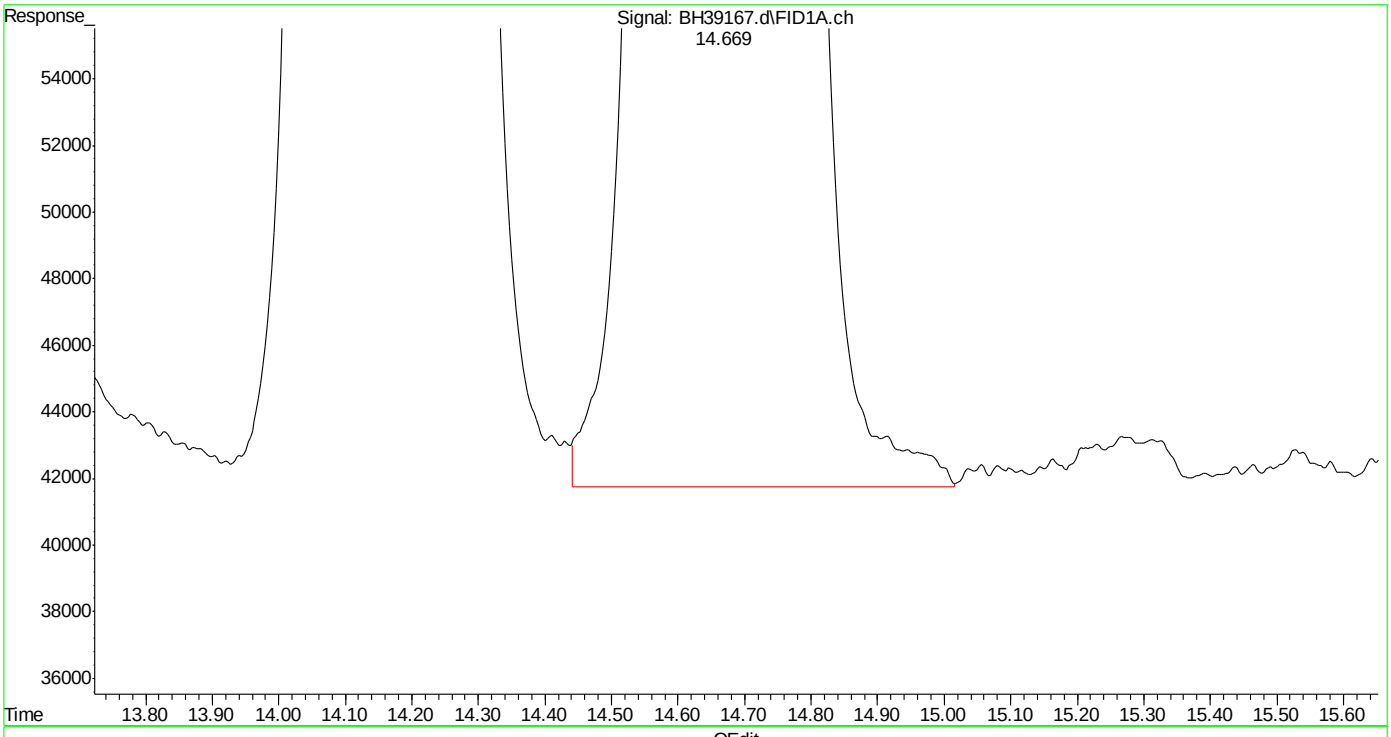
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.669min 45.532 ppb m
response 42753064

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:10:01 2016

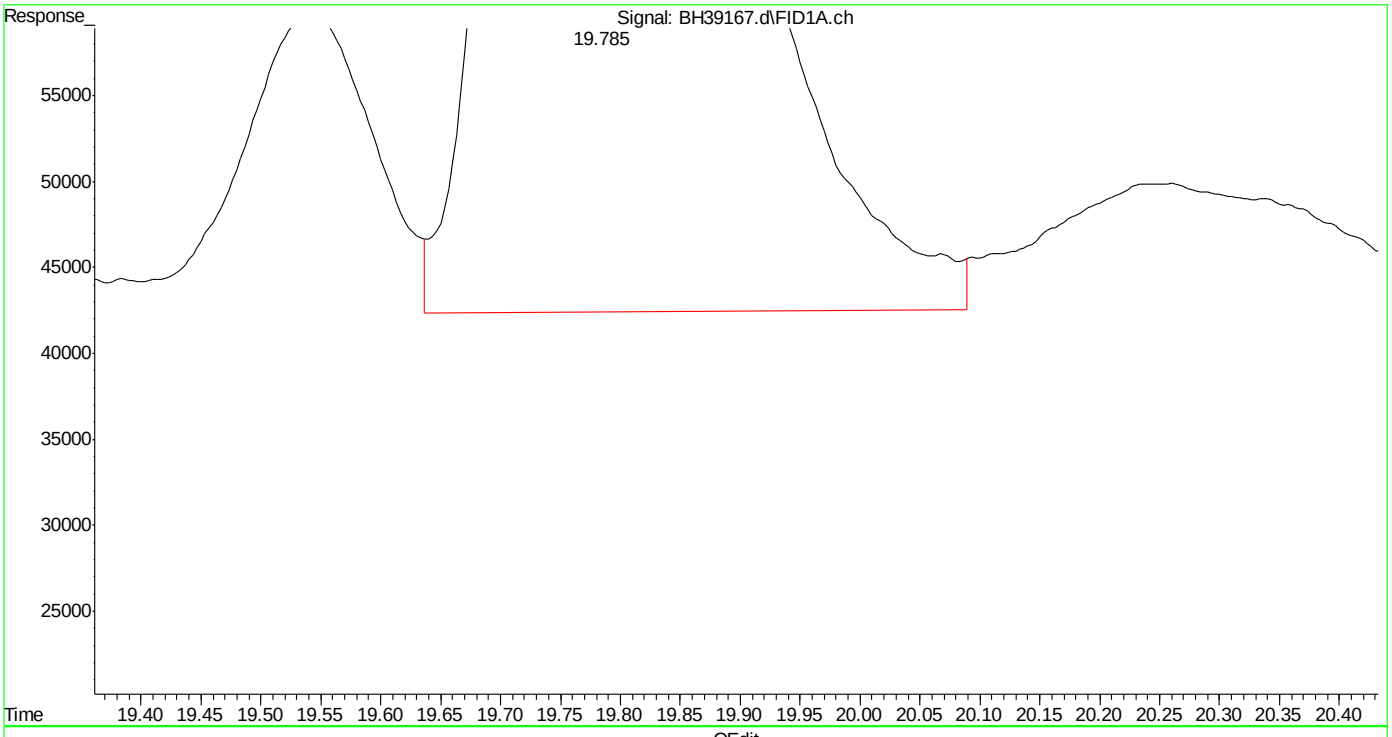
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.786min 47.390 ppb
response 38522617

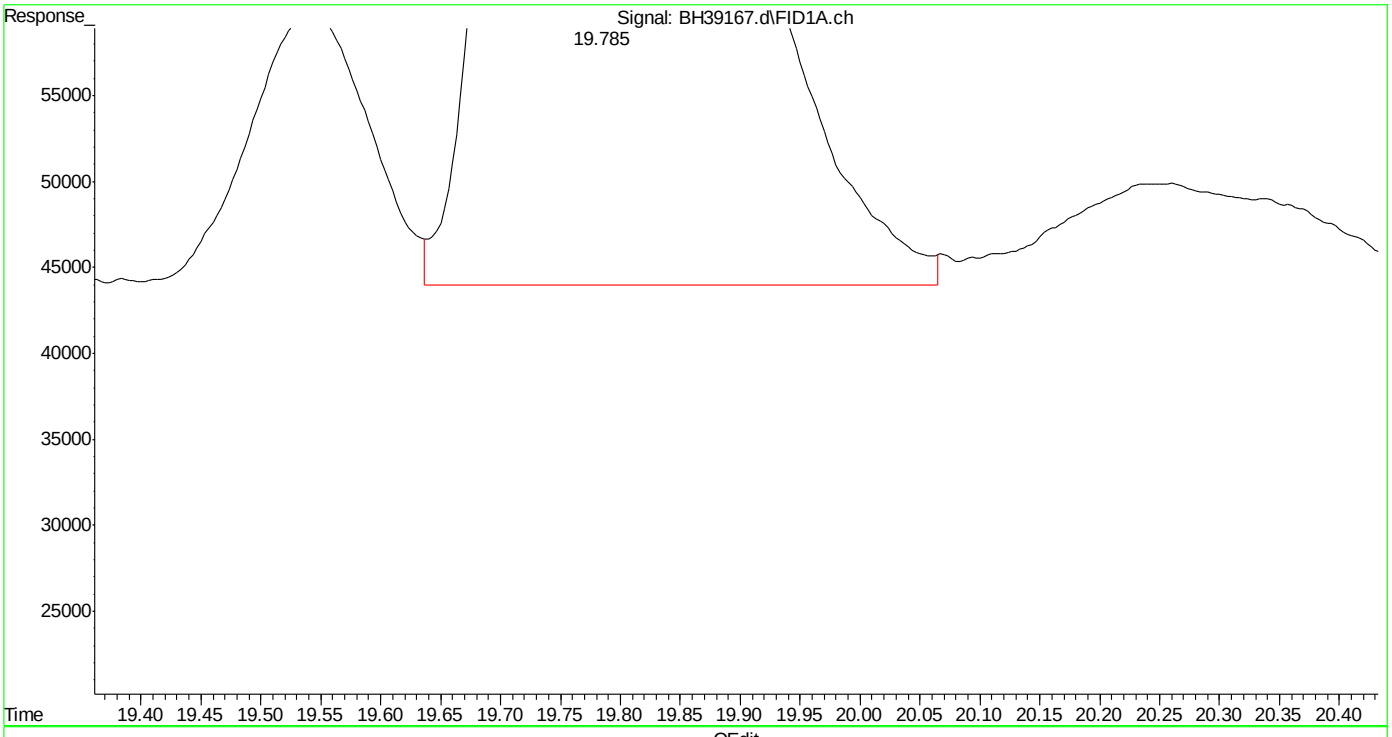
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:10:05 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 46.846 ppb m
response 38079860

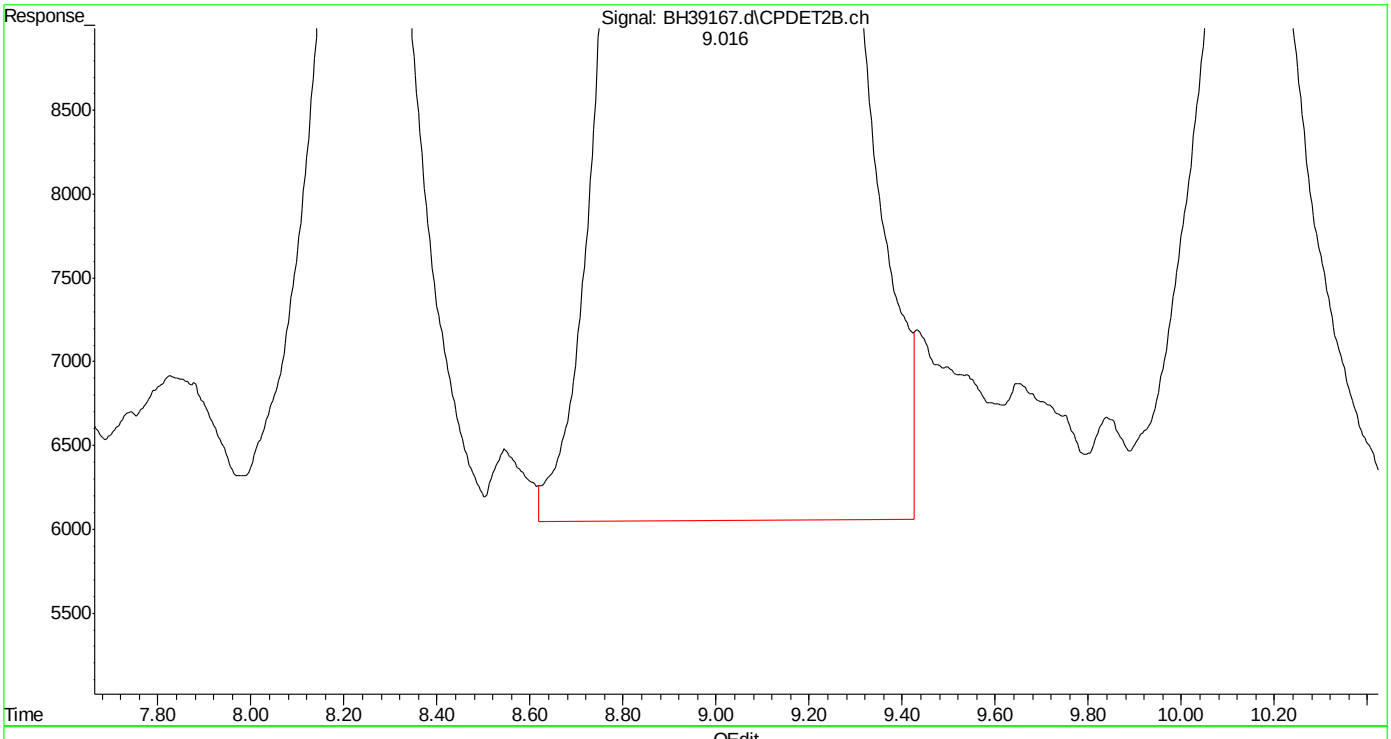
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:10:13 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.017min 49.633 ppb
response 13956828

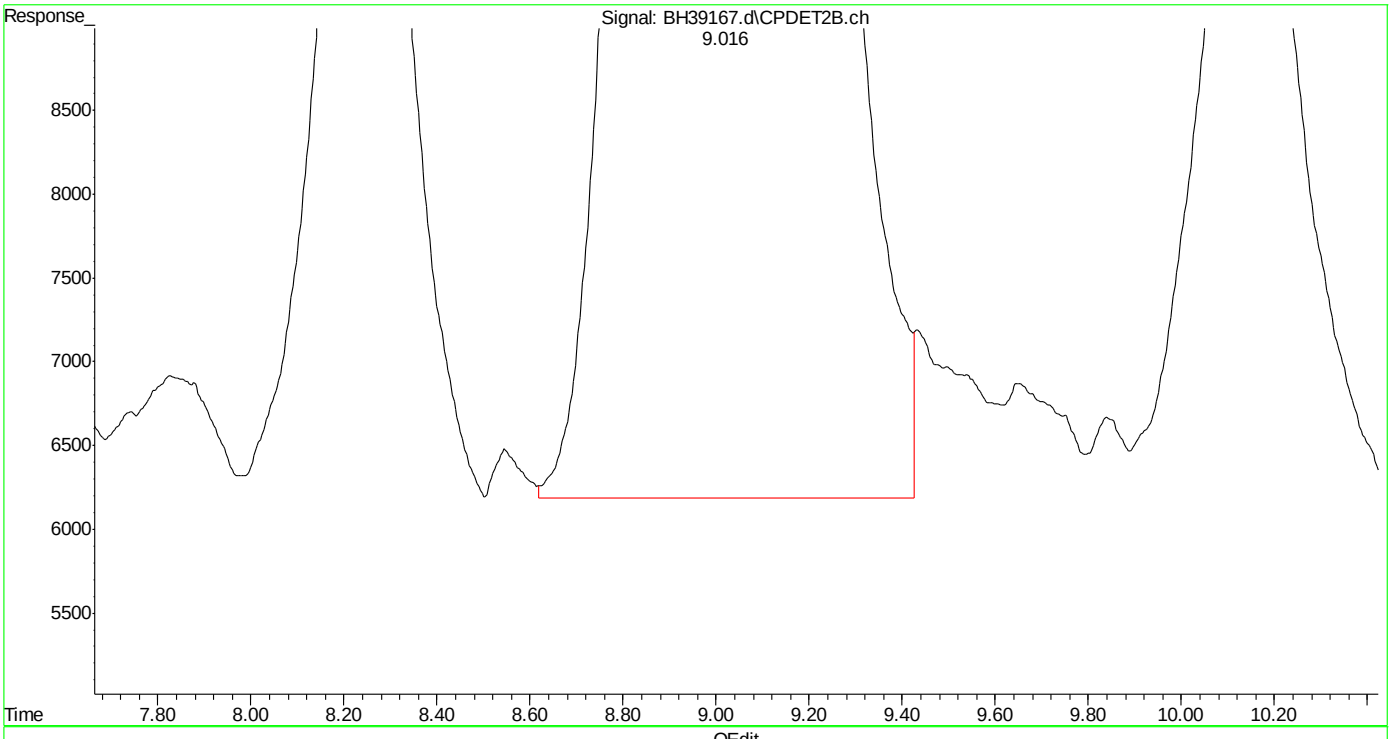
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:10:28 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.016min 49.399 ppb m
response 13891044

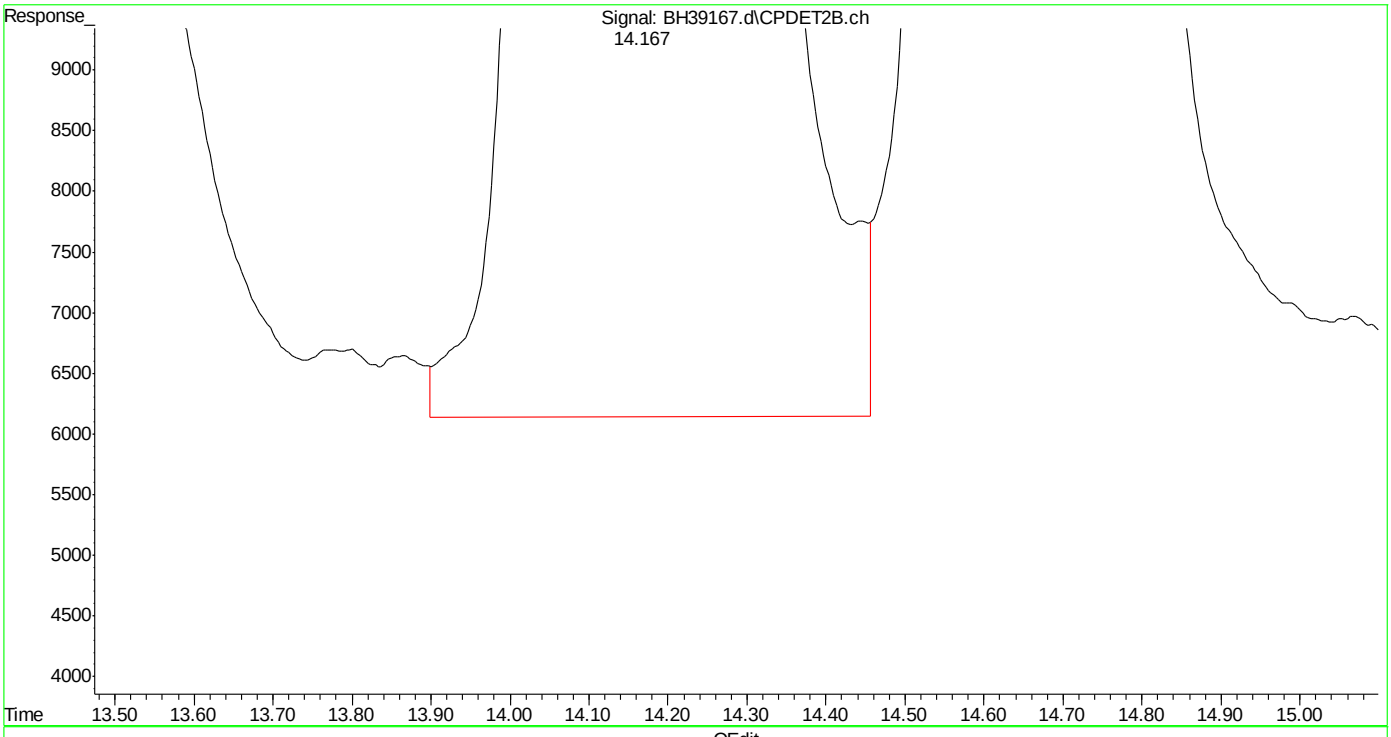
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:10:36 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.168min 45.474 ppb
response 29907305

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:10:40 2016

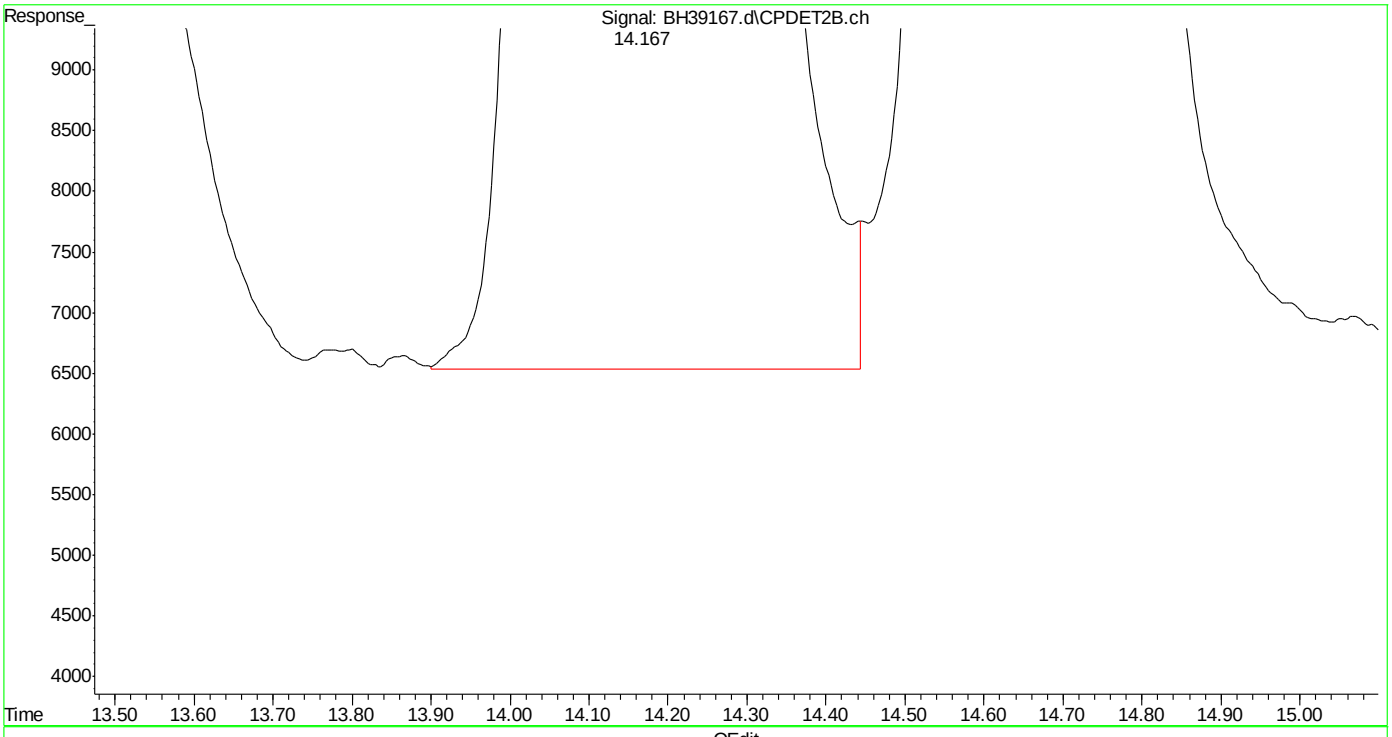
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016   3:34 pm
Operator  : danielf
Sample    : mc45857-4msd,w,vmavph,00
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 9   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(15) benzene #2 (t)

14.167min 45.263 ppb m

response 29768437

(+) = Expected Retention Time

bh160512vph.m Thu May 12 16:10:45 2016

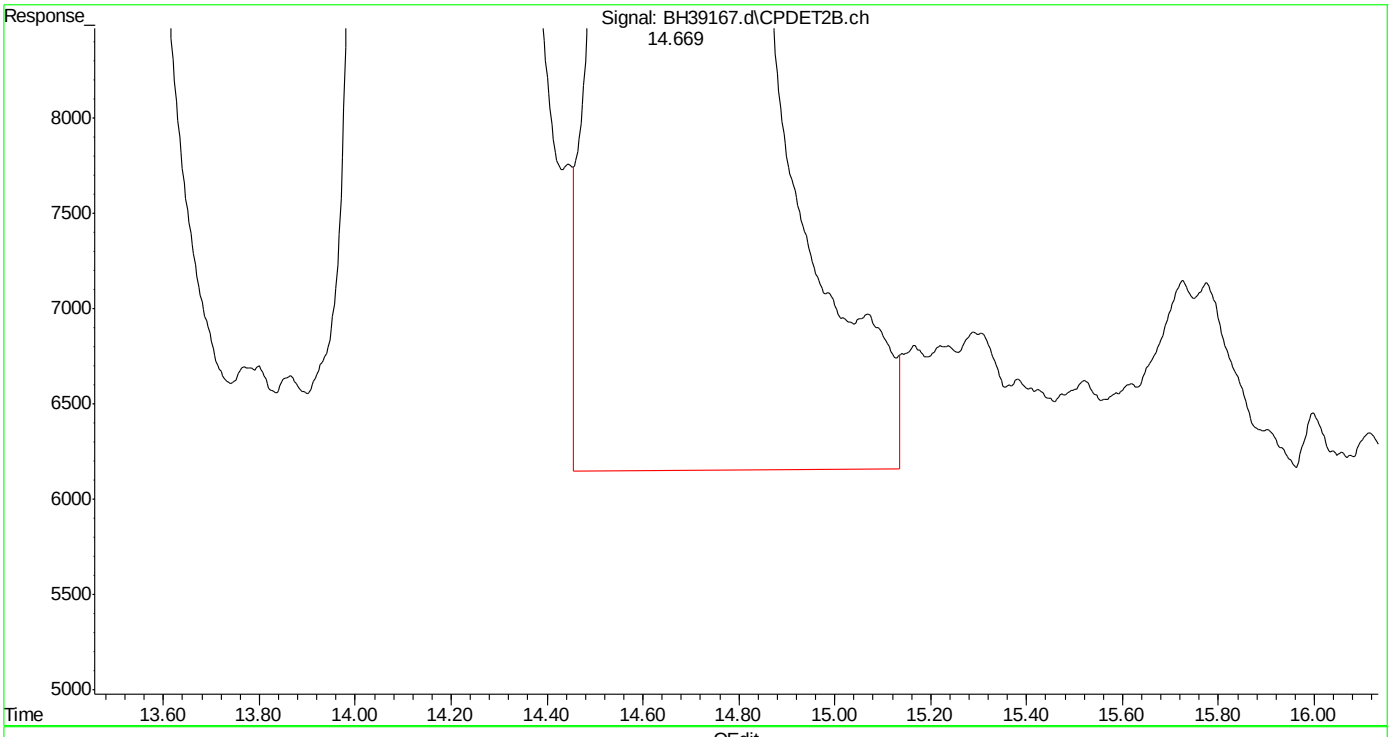
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 48.428 ppb
response 19681819

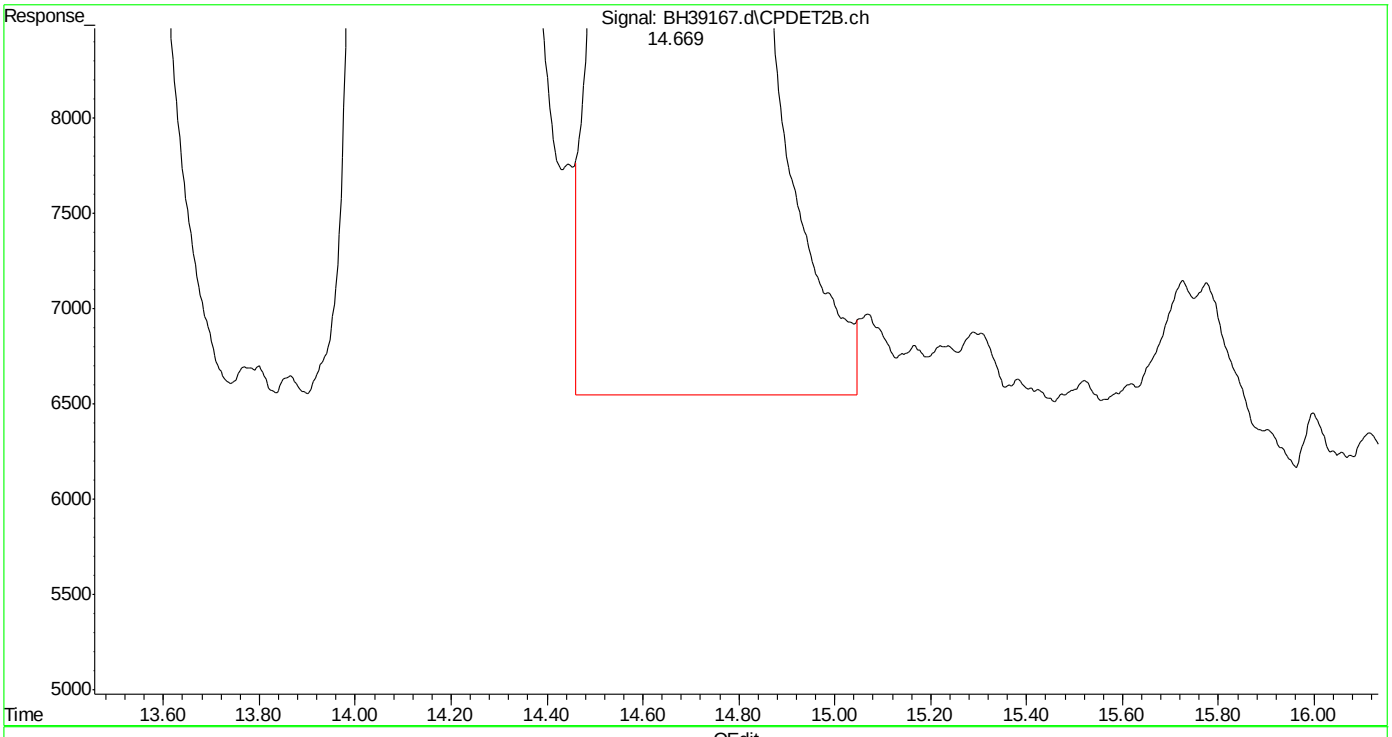
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:10:49 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.669min 47.984 ppb m
response 19501566

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:10:54 2016

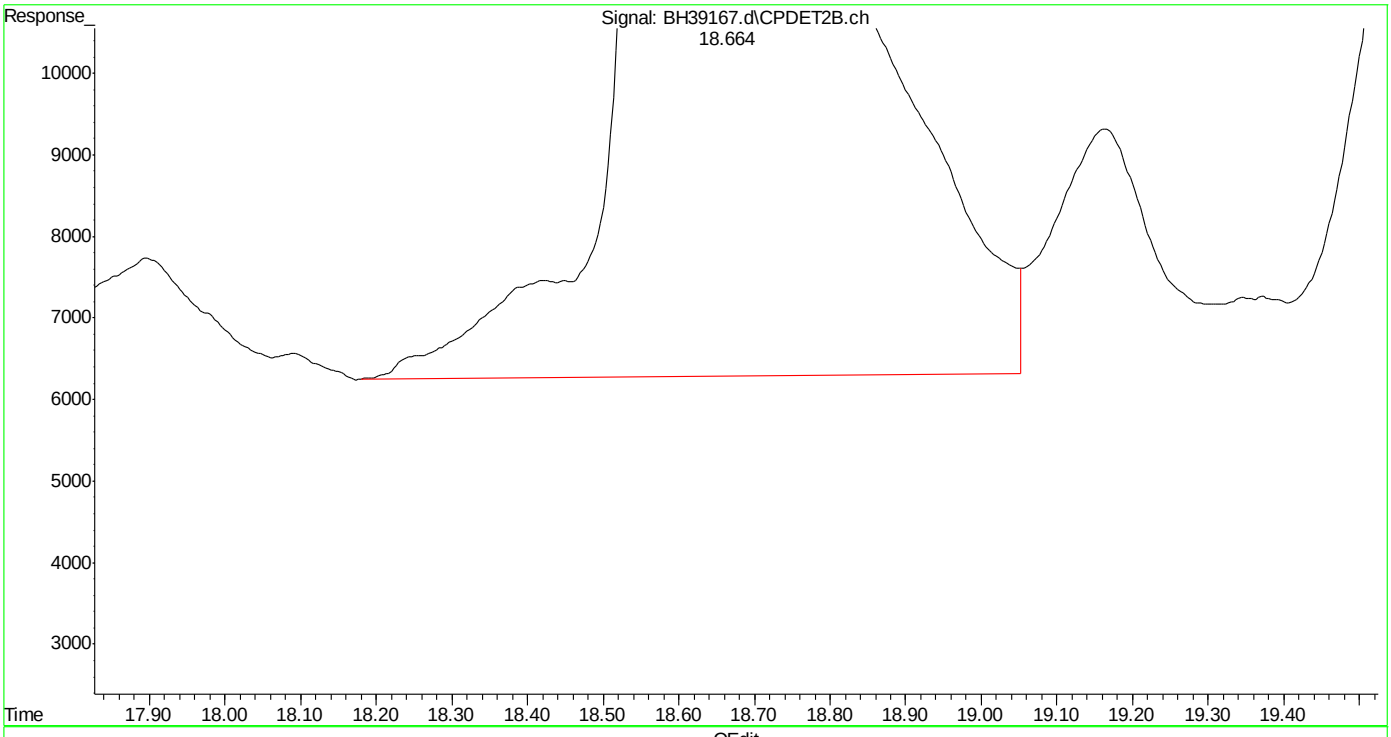
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.666min 52.060 ppb
response 32104903

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:10:58 2016

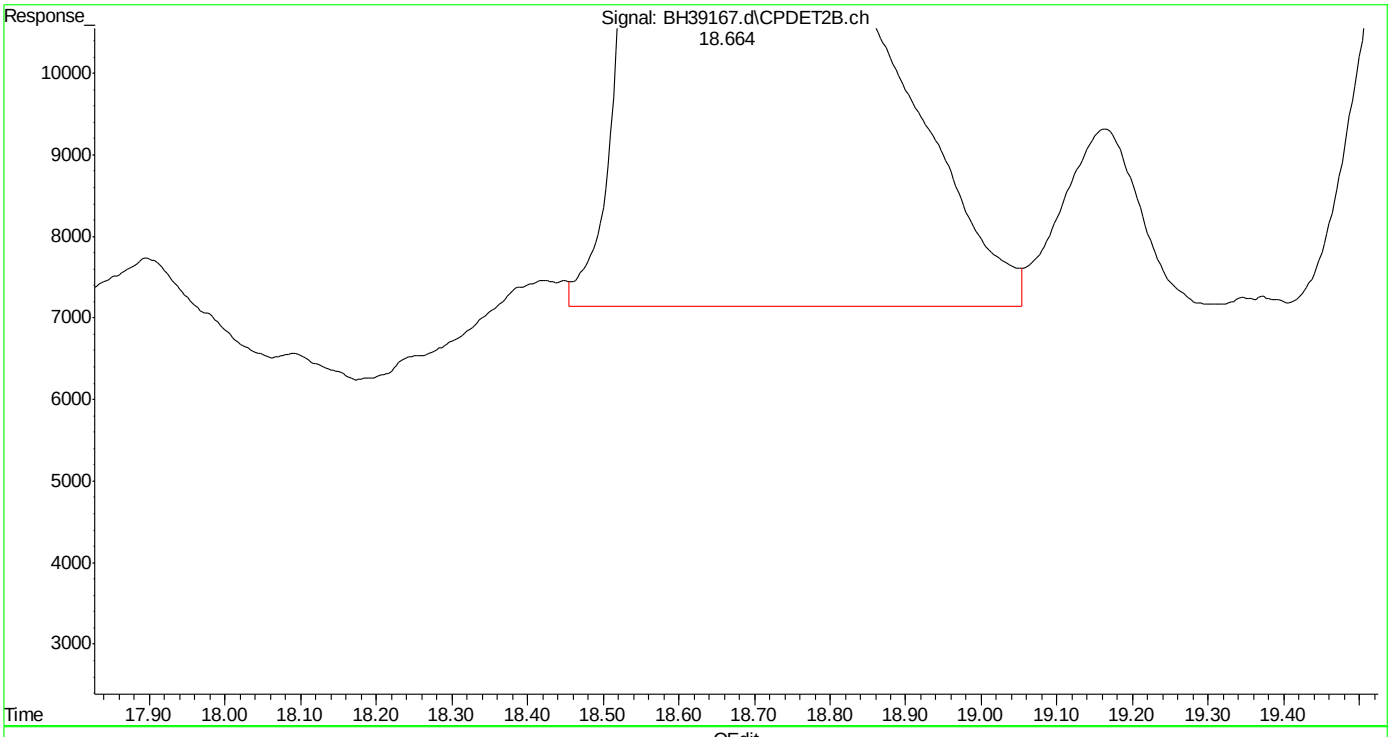
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.664min 51.403 ppb m
response 31699399

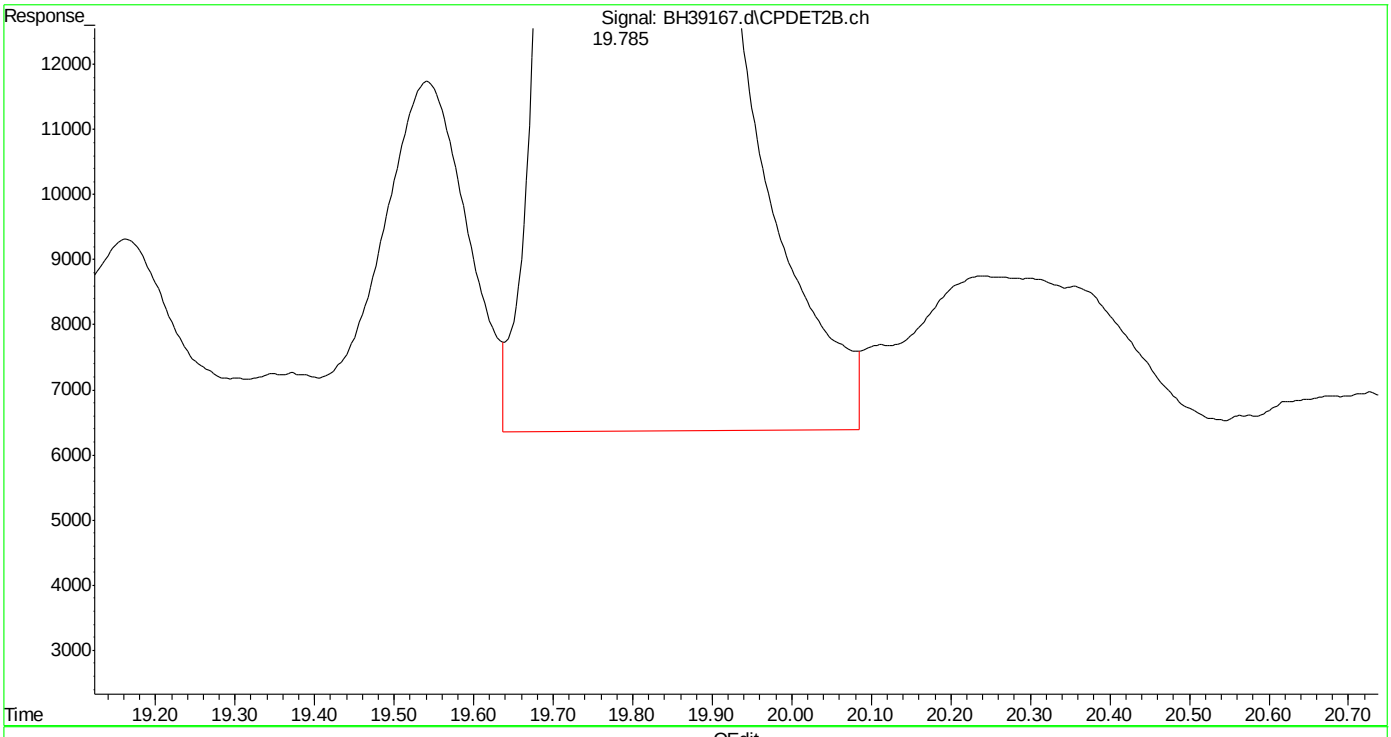
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.786min 49.917 ppb
response 12677851

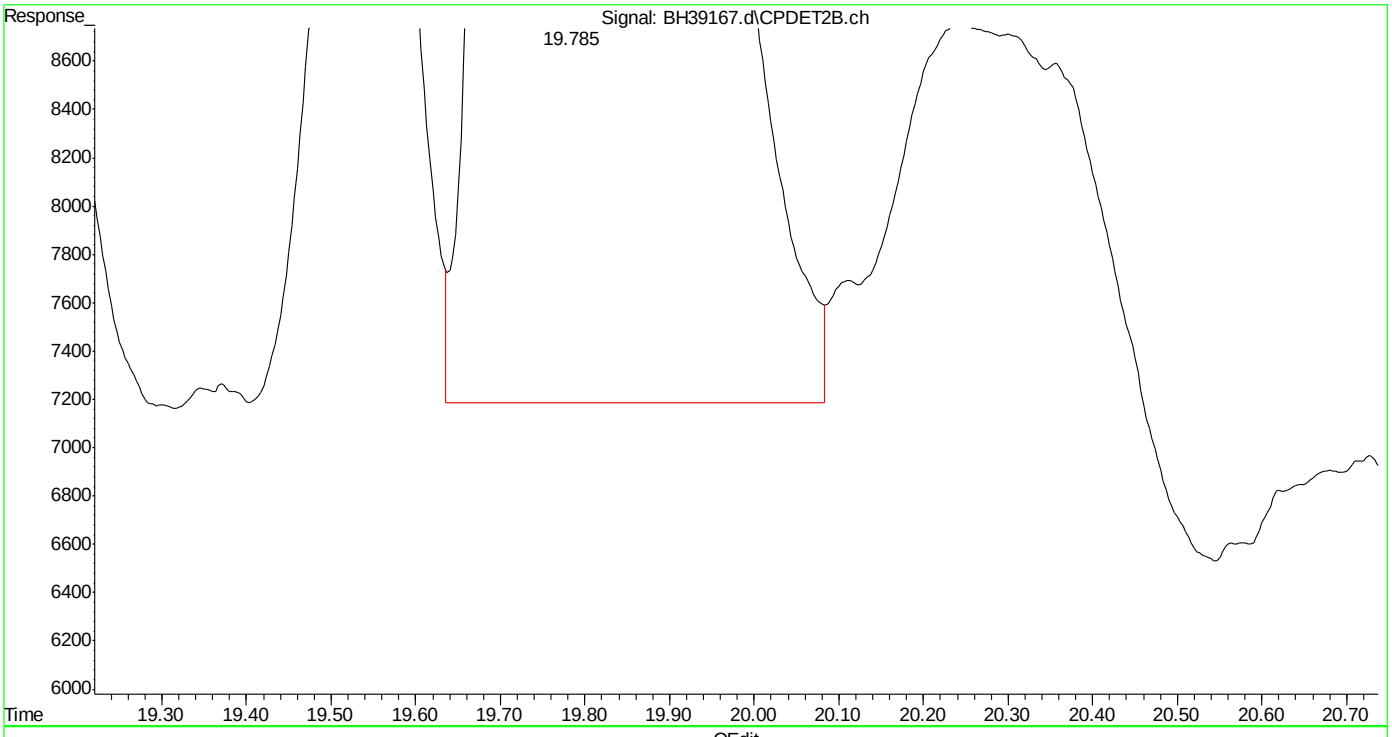
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:11:09 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 49.062 ppb m
response 12460771

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:11:34 2016

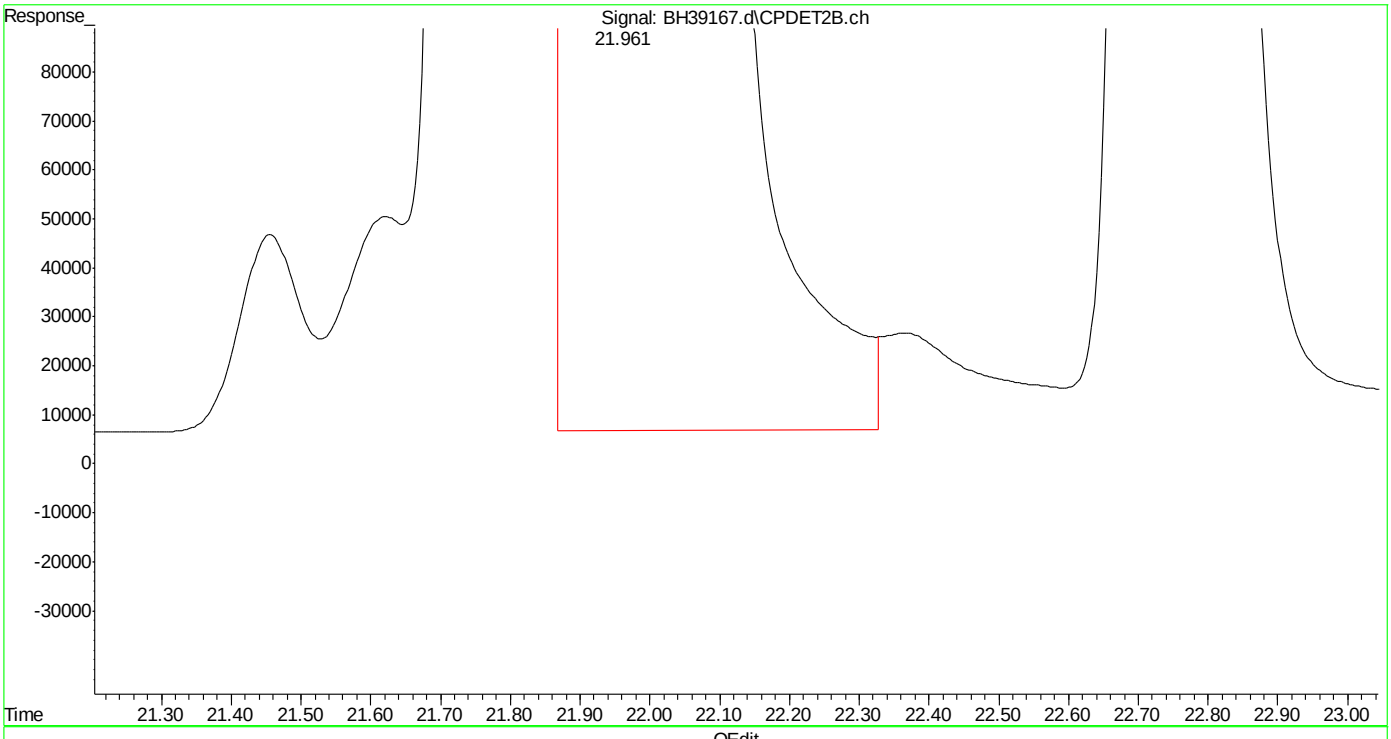
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.962min 4841.603 ppb
response 3229532673

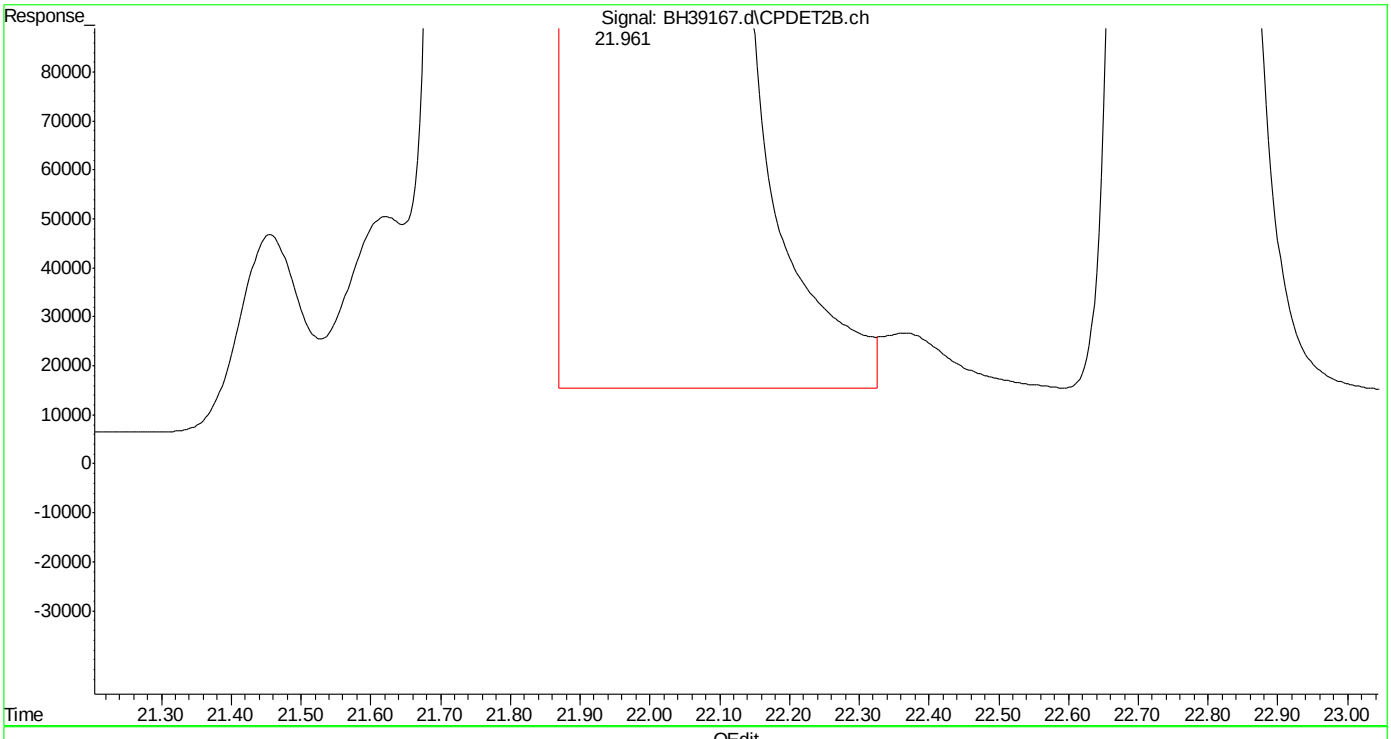
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:11:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.961min 4820.810 ppb m
response 3215663332

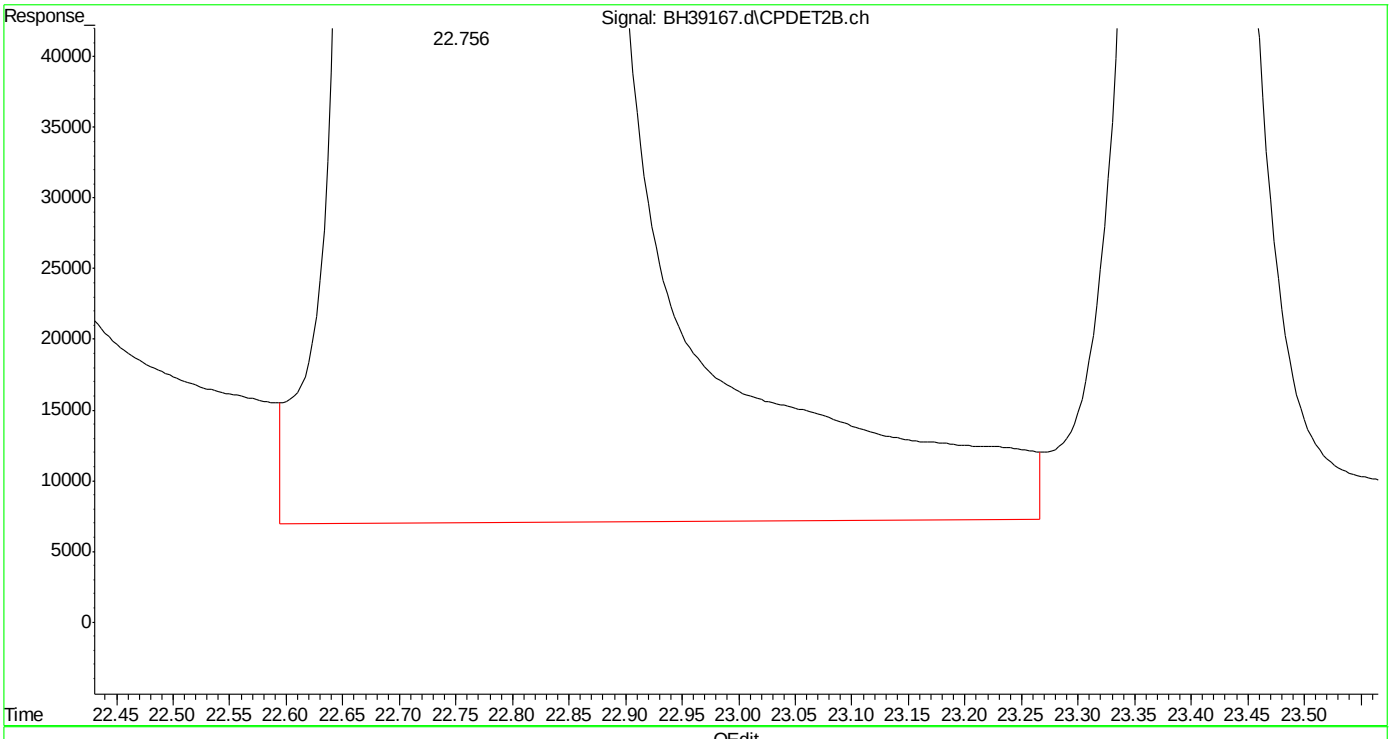
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:11:54 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.757min 442.546 ppb
response 257626165

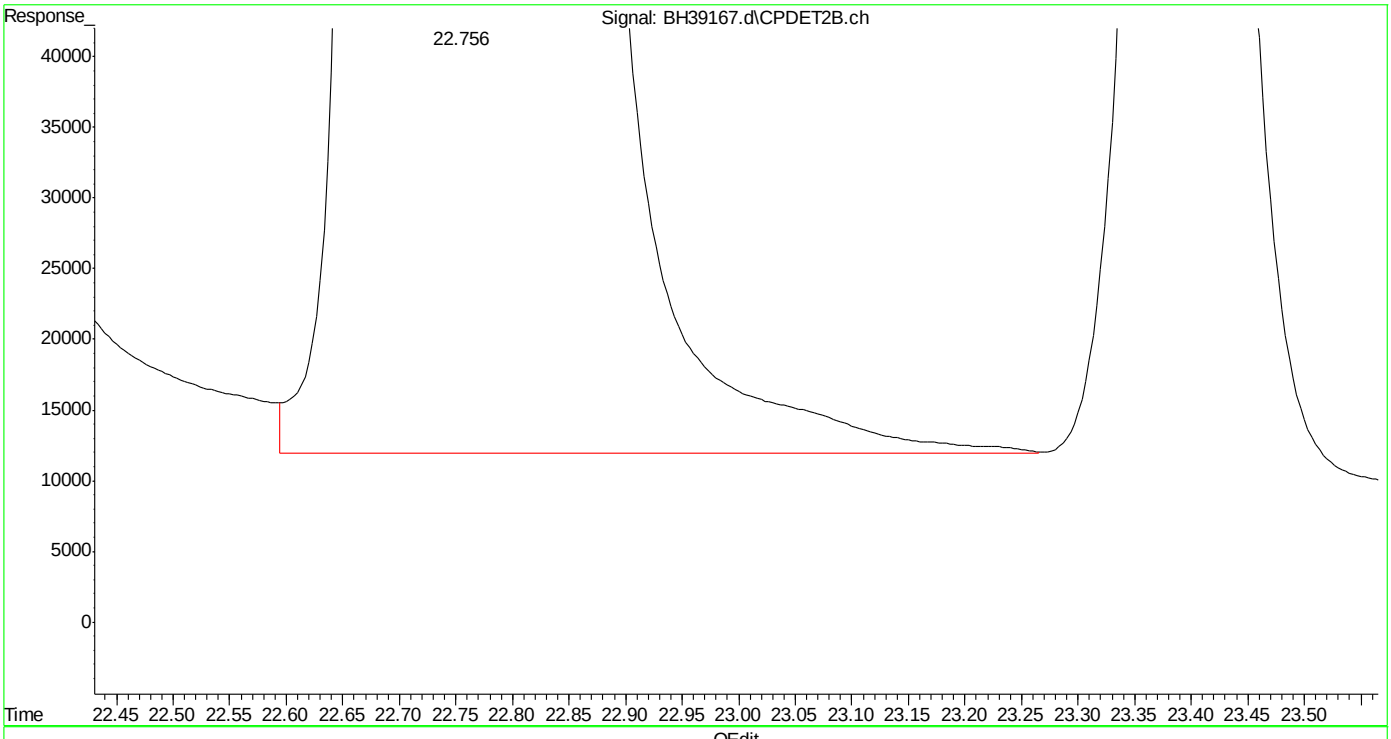
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:11:59 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.756min 439.216 ppb m
response 255687798

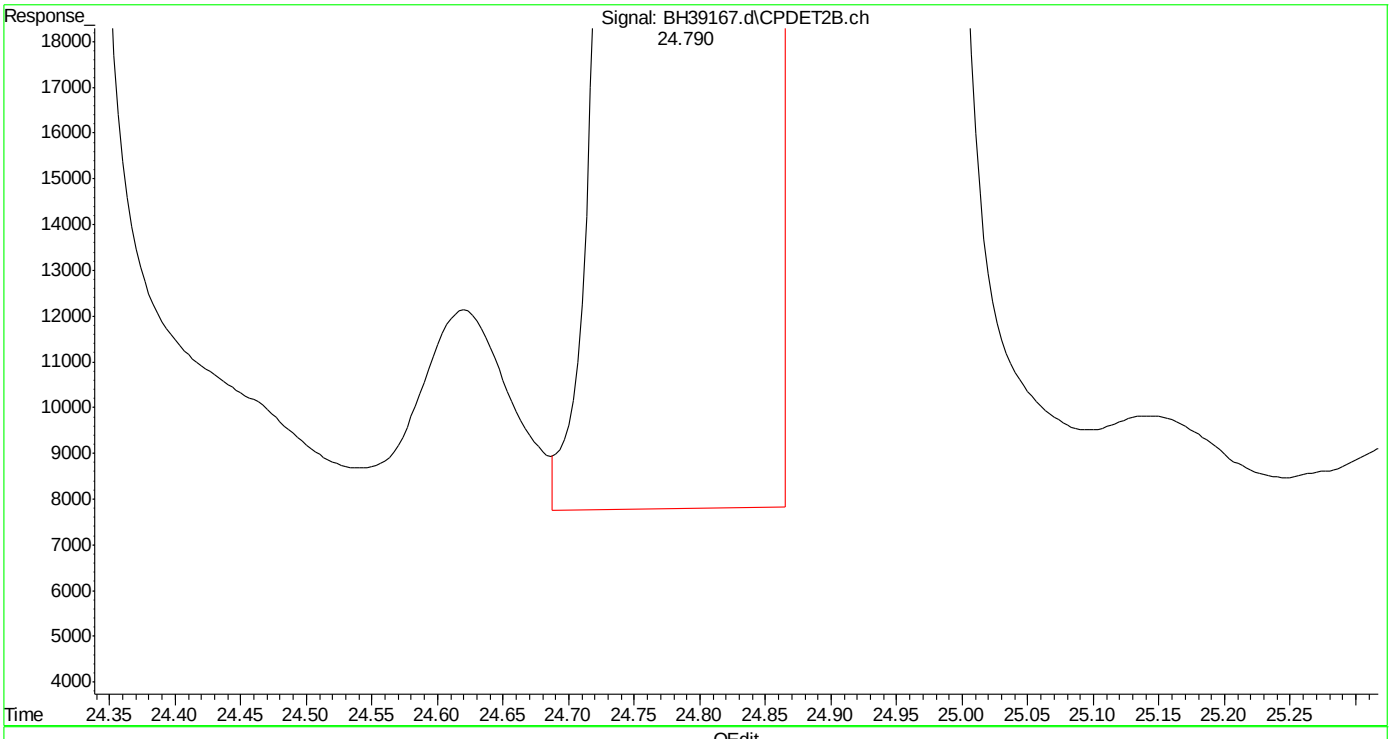
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:12:08 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.791min 38.212 ppb
response 24613317

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:12:16 2016

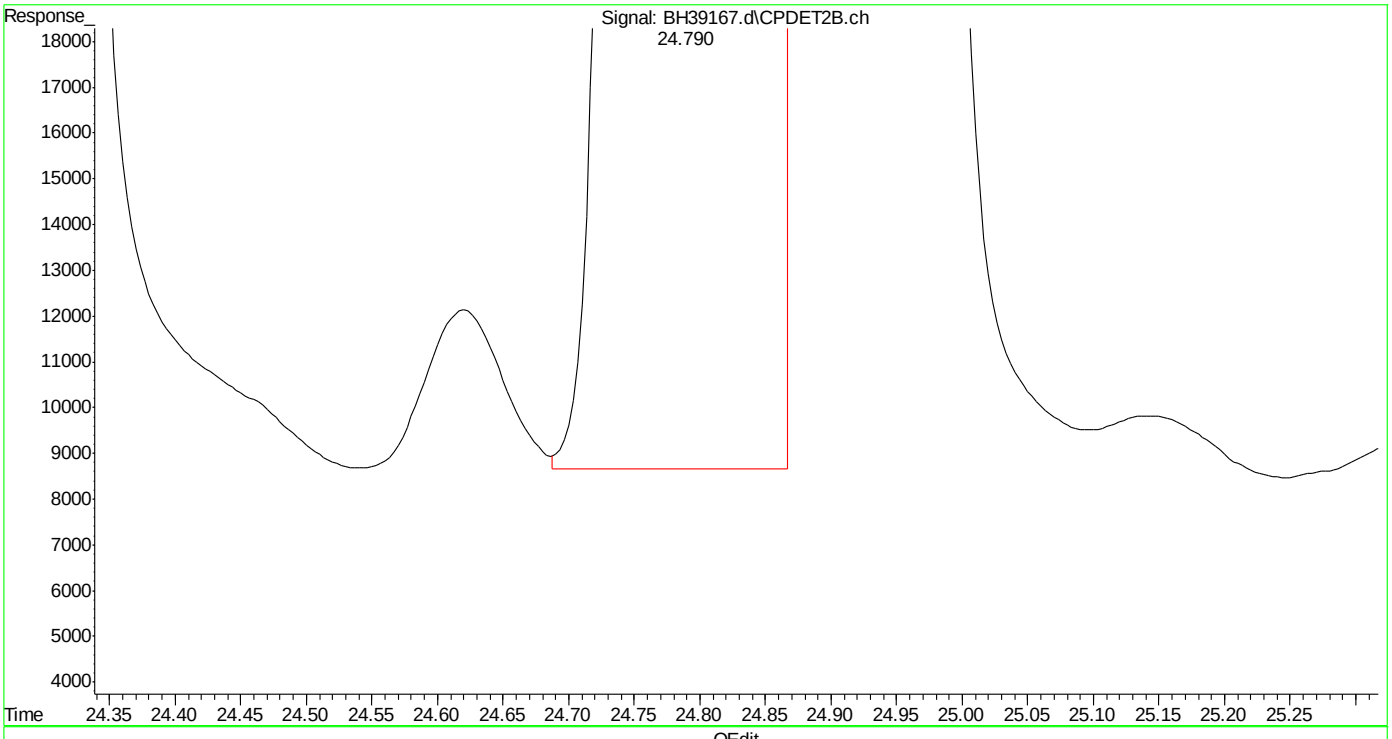
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.790min 38.062 ppb m
response 24516854

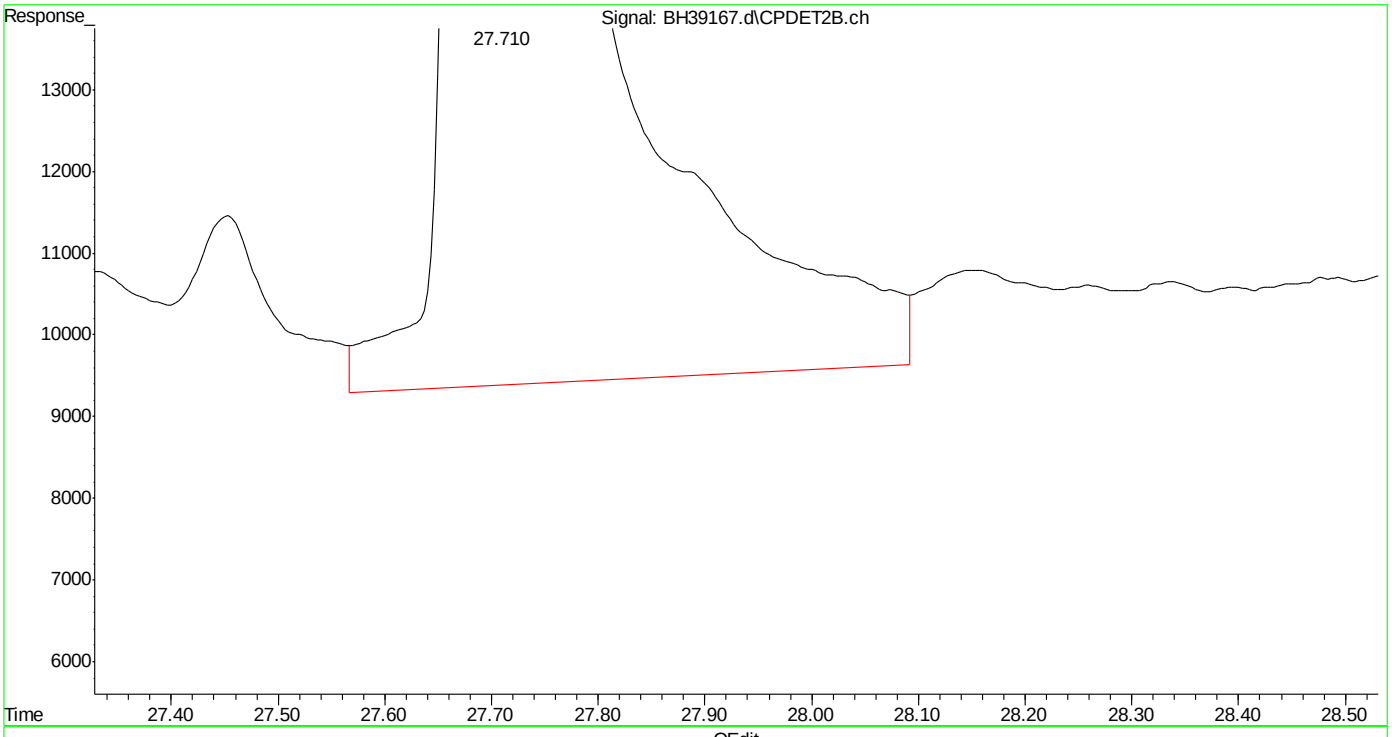
(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:12:23 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.711min 28.219 ppb
response 15427084

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:12:27 2016

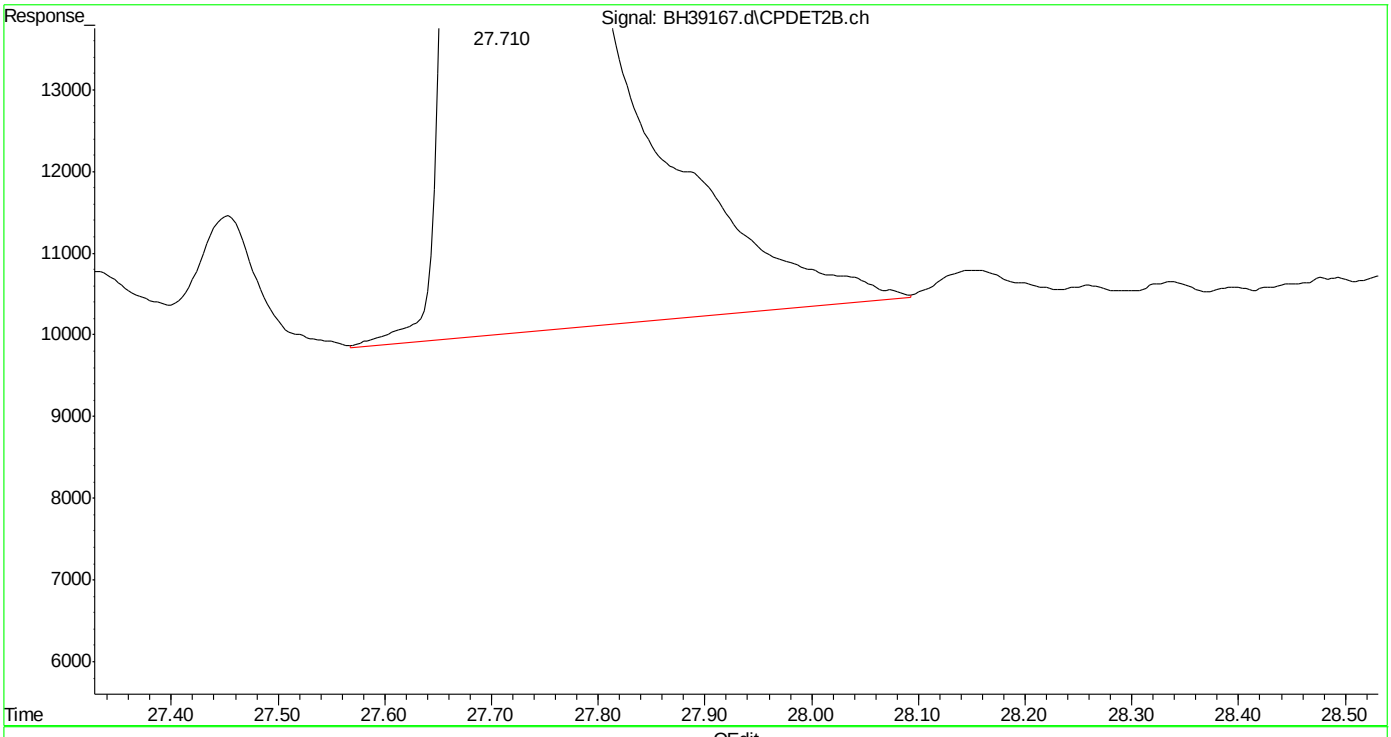
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:09:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 27.824 ppb m
response 15211282

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:12:32 2016

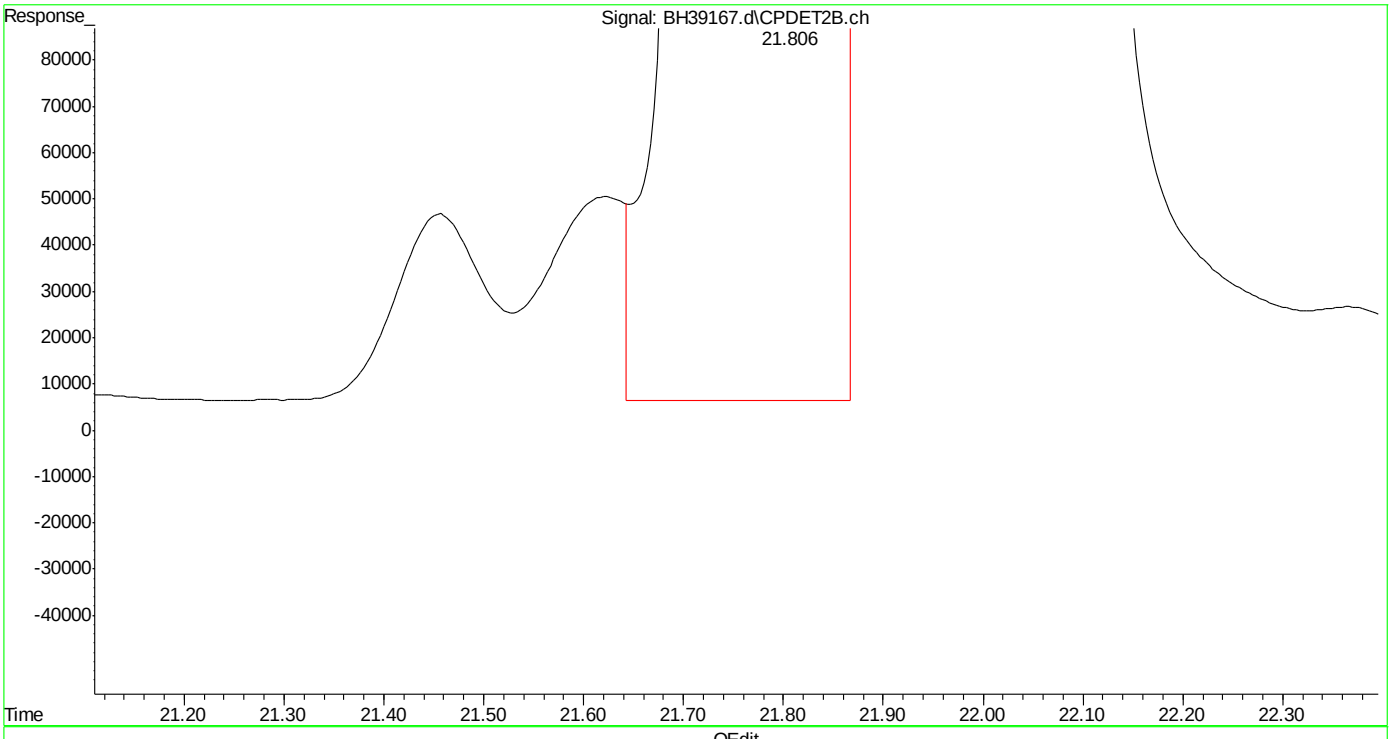
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39167.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 3:34 pm
Operator : danielf
Sample : mc45857-4msd,w,vmavph,00
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 16:13:09 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) ethylbenzene #2 (t)
21.806min 1823.496 ppb m
response 997746566

(+) = Expected Retention Time
bh160512vph.m Thu May 12 16:14:58 2016

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:50:23 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) s fluorobenzene	14.673	946388309	1008.892	ppb	m
Spiked Amount 50.000		Recovery	= 2017.78%		
9) s 2,3,4-trifluorotoluene	19.787	821830159	1012.403	ppb	m
Spiked Amount 50.000		Recovery	= 2024.81%		
25) s fluorobenzene #2	14.673	399523542	980.960	ppb	m
Spiked Amount 50.000		Recovery	= 1961.92%		
27) s 2,3,4-trifluorotoluen...	19.786	251958217	991.056	ppb	m
Spiked Amount 50.000		Recovery	= 1982.11%		
Target Compounds					
1) h rt5.5-7	5.980	910851885	1004.568	ppb	m
2) h rt7/10	8.250	1007950322	991.350	ppb	m
3) t mtbe	9.017	574280098	922.404	ppb	m
4) h rt10/13	13.360	809408184	662.871	ppb	m
5) t benzene	14.171	1196851669	992.642	ppb	m
8) t toluene	18.668	1240007399	1022.109	ppb	m
11) h rt20/25	21.460	1187265879	1024.759	ppb	m
13) t ethylbenzene	21.804	1260571147	1050.086	ppb	m
14) t m,p-xylene	21.951	2633046480	2093.410	ppb	m
15) t o-xylene	22.757	1317885314	1027.820	ppb	m
16) h decane	23.856	1200820065	1017.134	ppb	m
17) t 1,3,5-trimethylbenzene	24.257	1330052596	987.895	ppb	m
18) t 1,2,4-trimethylbenzene	24.791	1308829133	961.519	ppb	m
19) h butylcyclohexane	24.940	1248984615	986.930	ppb	m
20) t naphthalene	27.710	705682468	851.628	ppb	
23) t mtbe #2	9.018	256768543	903.308	ppb	m
24) t benzene #2	14.170	627549549	948.756	ppb	m
26) t toluene #2	18.667	604674437	978.136	ppb	m
28) t ethylbenzene #2	21.803	552093381	1010.152	ppb	m
29) t m,p-xylene #2	21.950	1301974870	1946.022	ppb	m
30) t o-xylene #2	22.756	573715104	983.737	ppb	m
31) t 1,3,5-trimethylbenzen...	24.256	790634138	939.809	ppb	m
32) t 1,2,4-trimethylbenzen...	24.790	602514656	927.912	ppb	m
33) t naphthalene #2	27.708	452163550	809.581	ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	602910305	928.733	ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

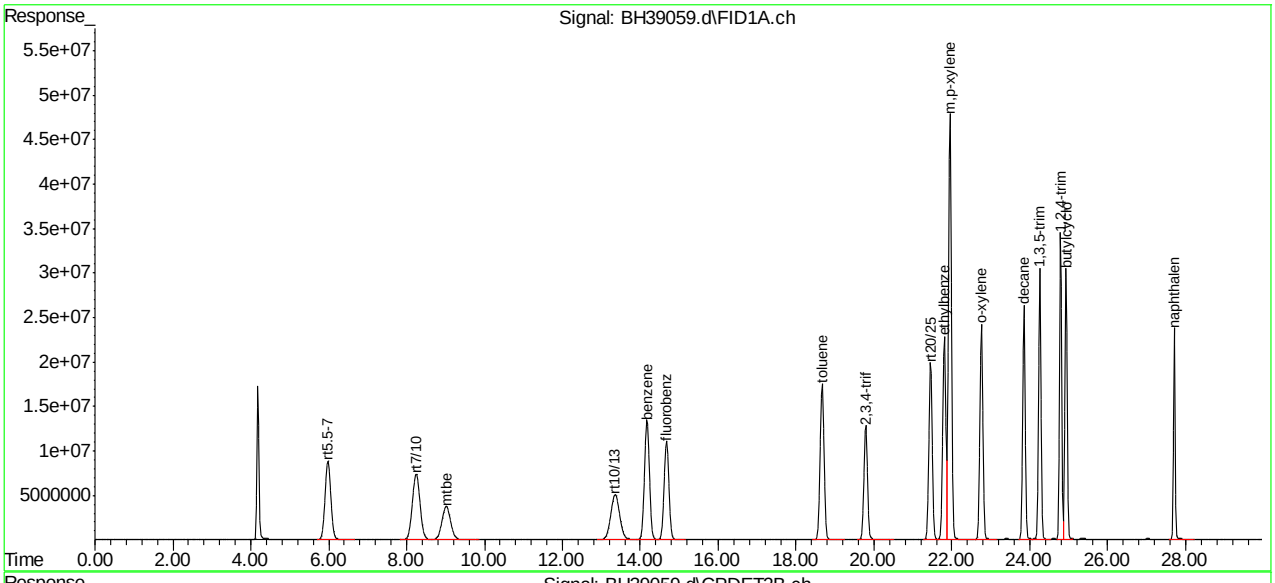
SGS ACCUTEST MC45857

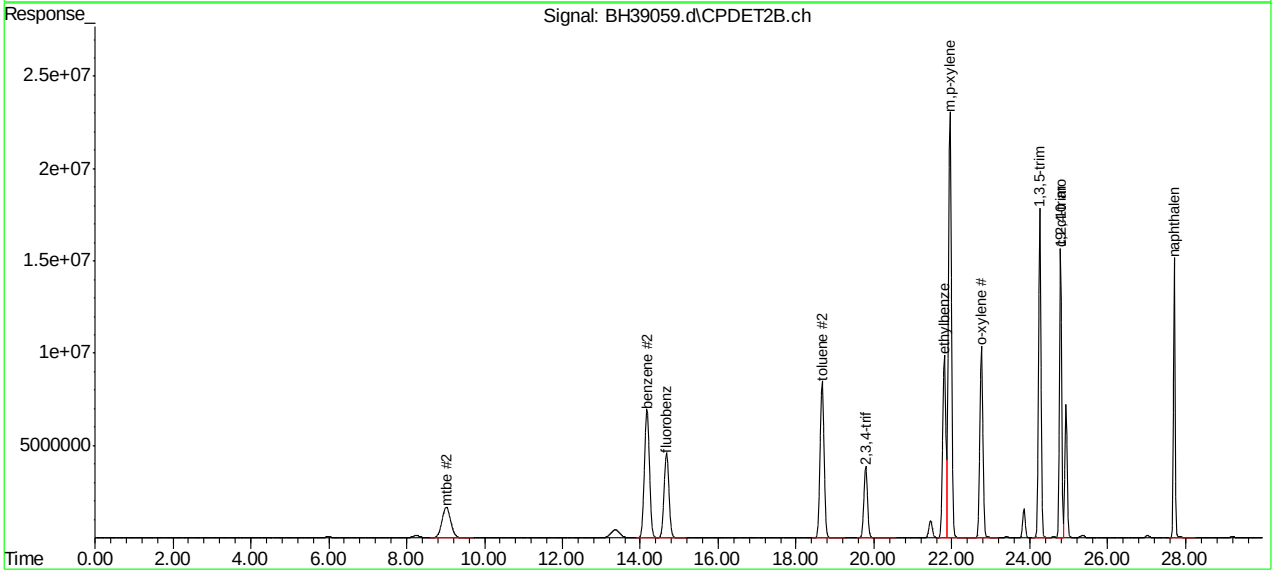
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

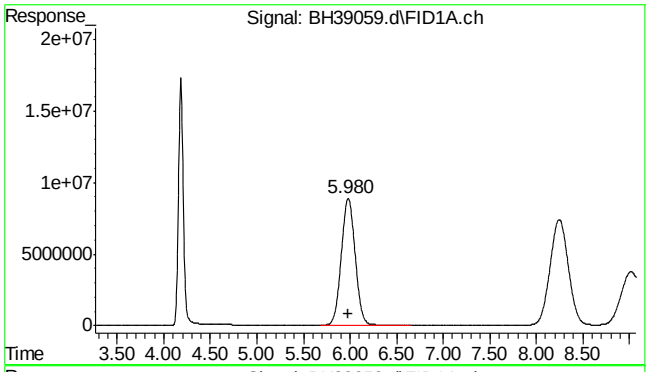
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:50:23 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



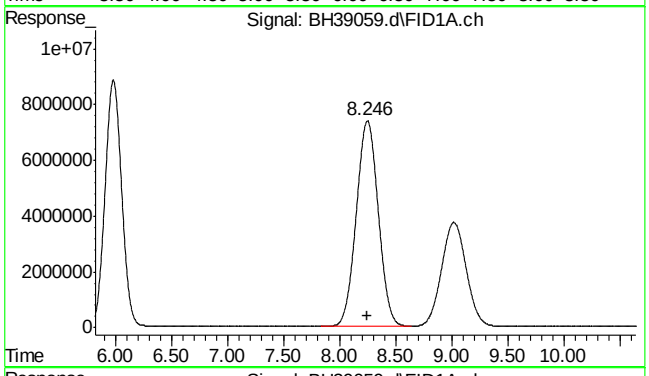


SGS ACCUTEST MC45857



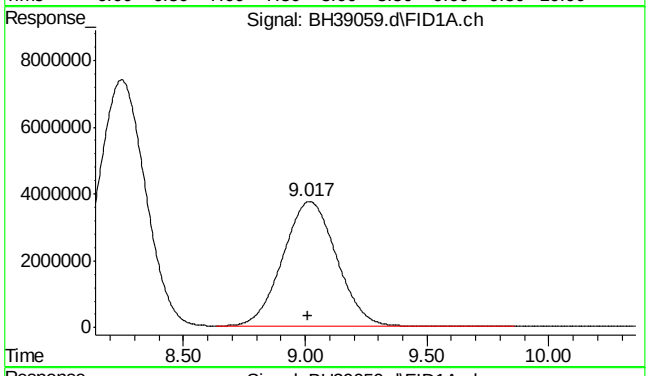
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 910851885
Conc: 1004.57 ppb m



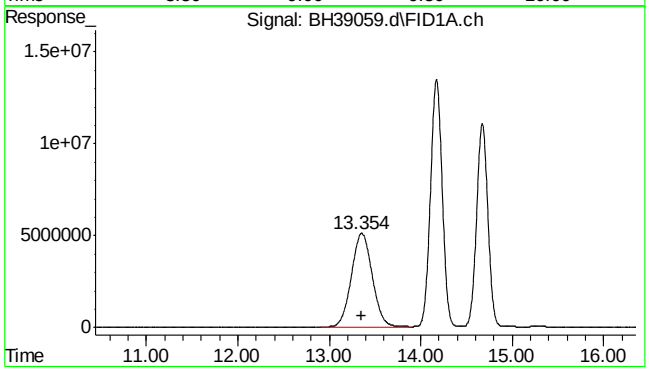
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 1007950322
Conc: 991.35 ppb m



#3 mtbe

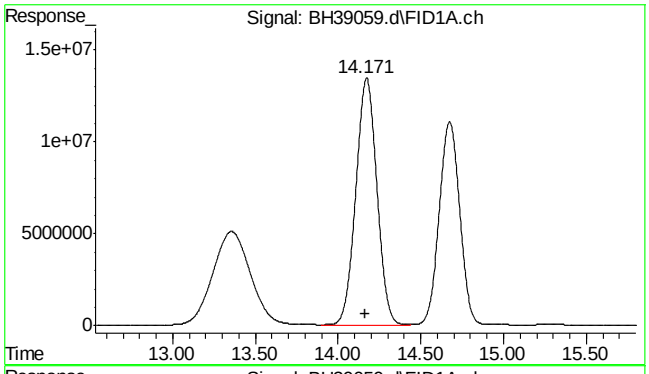
R.T.: 9.017 min
Delta R.T.: 0.004 min
Response: 574280098
Conc: 922.40 ppb m



#4 rt10/13

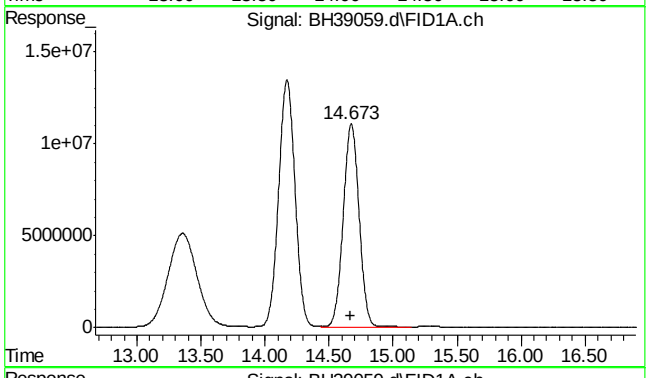
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 809408184
Conc: 662.87 ppb m

SGS ACCUTEST MC45857



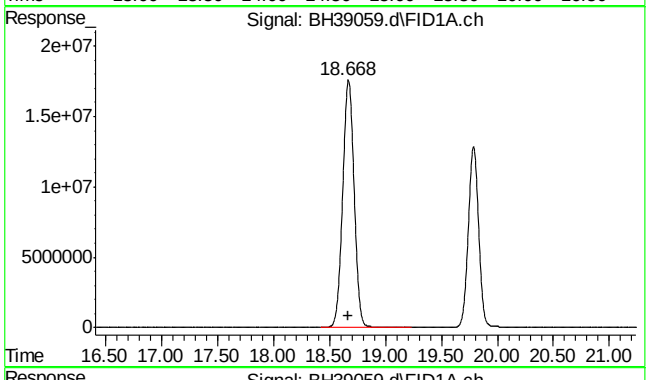
#5 benzene

R.T.: 14.171 min
Delta R.T.: 0.005 min
Response: 1196851669
Conc: 992.64 ppb m



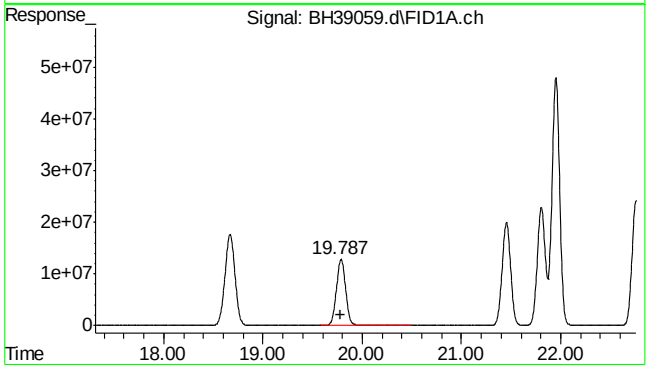
#6 fluorobenzene

R.T.: 14.673 min
Delta R.T.: 0.004 min
Response: 946388309
Conc: 1008.89 ppb m



#8 toluene

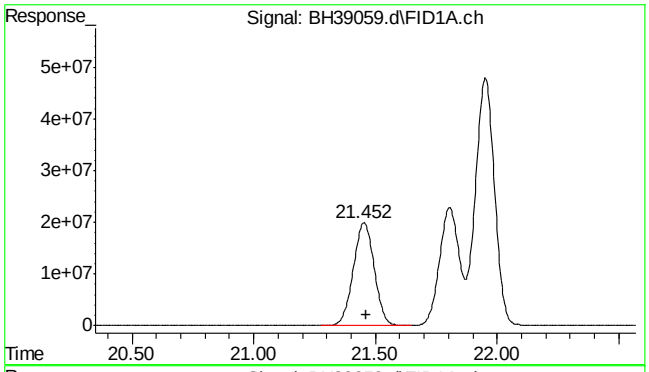
R.T.: 18.668 min
Delta R.T.: 0.004 min
Response: 1240007399
Conc: 1022.11 ppb m



#9 2,3,4-trifluorotoluene

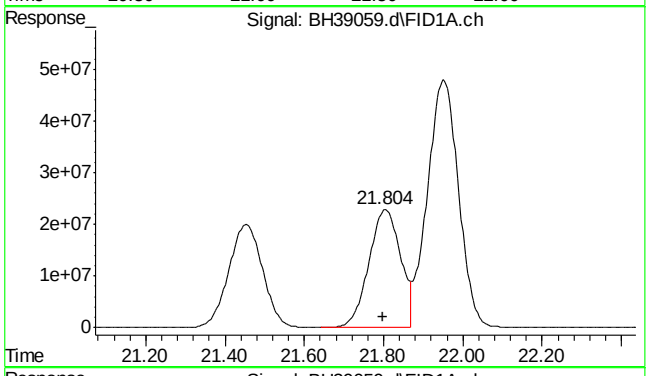
R.T.: 19.787 min
Delta R.T.: 0.003 min
Response: 821830159
Conc: 1012.40 ppb m

SGS ACCUTEST MC45857



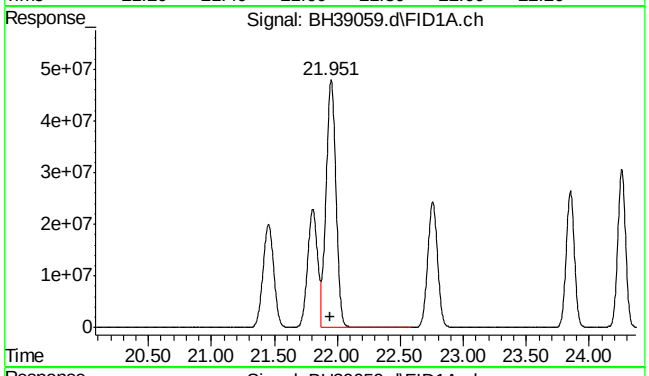
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 1187265879
Conc: 1024.76 ppb m



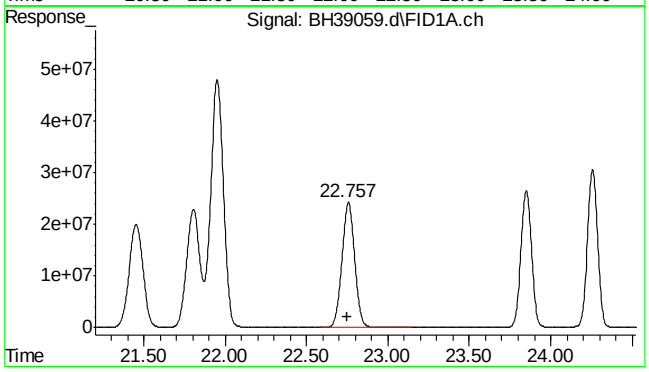
#13 ethylbenzene

R.T.: 21.804 min
Delta R.T.: 0.006 min
Response: 1260571147
Conc: 1050.09 ppb m



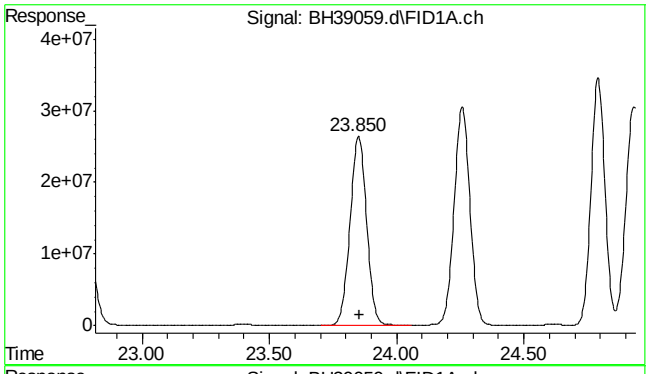
#14 m,p-xylene

R.T.: 21.951 min
Delta R.T.: 0.009 min
Response: 2633046480
Conc: 2093.41 ppb m



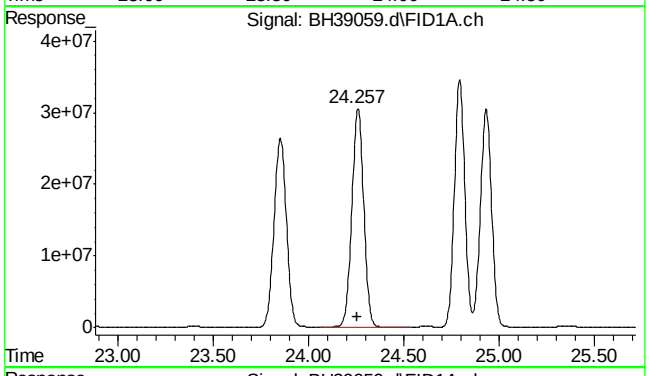
#15 o-xylene

R.T.: 22.757 min
Delta R.T.: 0.004 min
Response: 1317885314
Conc: 1027.82 ppb m



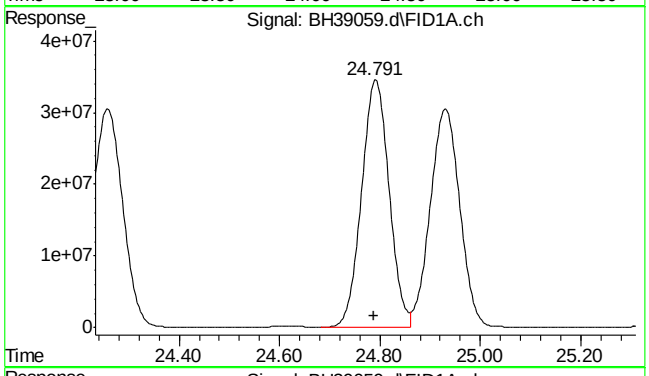
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 1200820065
Conc: 1017.13 ppb m



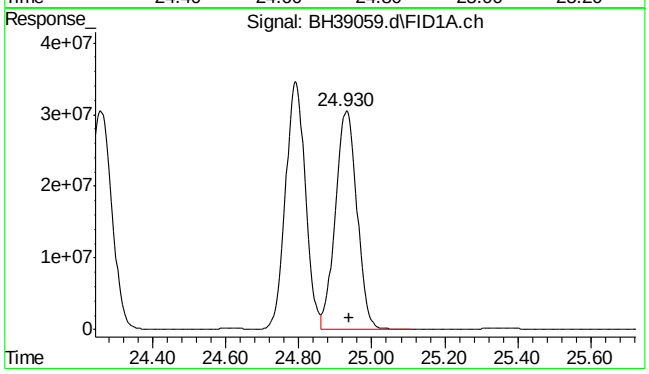
#17 1,3,5-trimethylbenzene

R.T.: 24.257 min
Delta R.T.: 0.005 min
Response: 1330052596
Conc: 987.89 ppb m



#18 1,2,4-trimethylbenzene

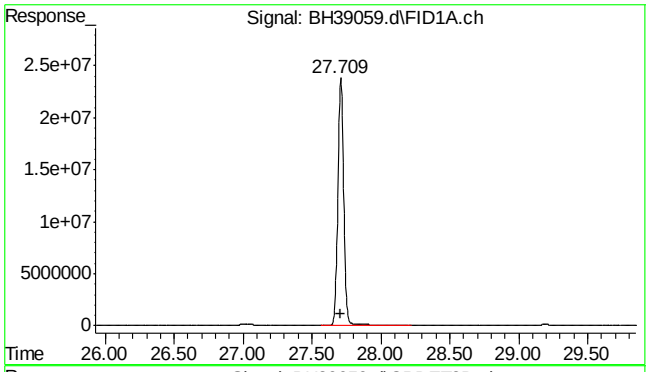
R.T.: 24.791 min
Delta R.T.: 0.003 min
Response: 1308829133
Conc: 961.52 ppb m



#19 butylcyclohexane

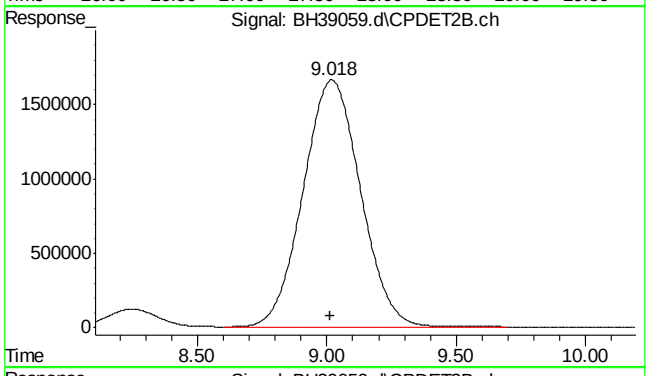
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 1248984615
Conc: 986.93 ppb m

SGS ACCUTEST MC45857



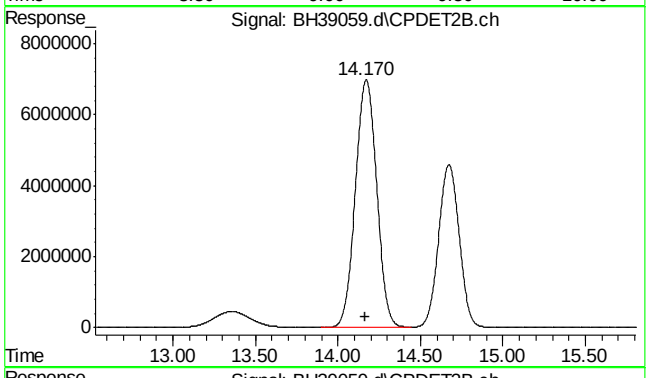
#20 naphthalene

R.T.: 27.710 min
Delta R.T.: 0.003 min
Response: 705682468
Conc: 851.63 ppb



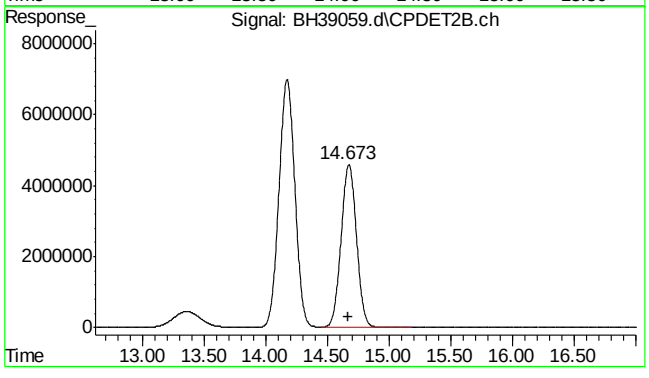
#23 mtbe #2

R.T.: 9.018 min
Delta R.T.: 0.005 min
Response: 256768543
Conc: 903.31 ppb m



#24 benzene #2

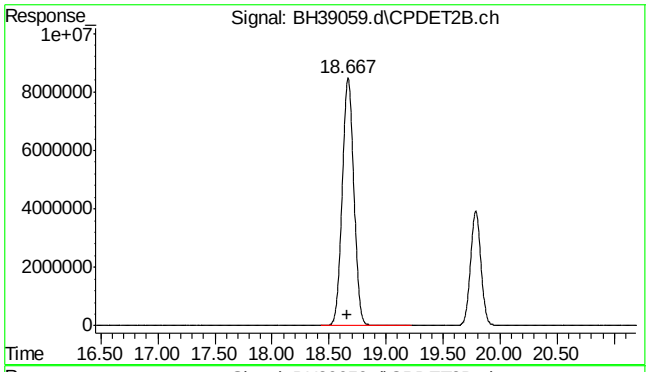
R.T.: 14.170 min
Delta R.T.: 0.004 min
Response: 627549549
Conc: 948.76 ppb m



#25 fluorobenzene #2

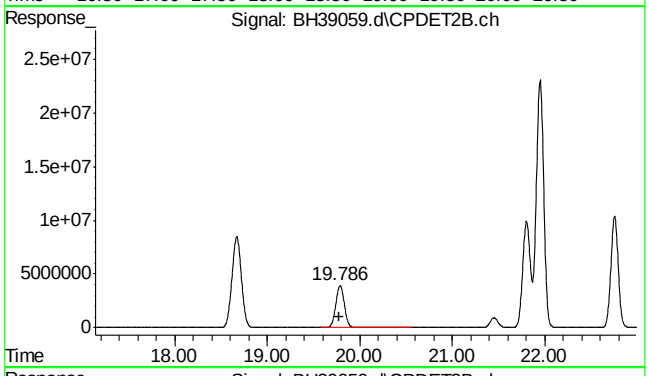
R.T.: 14.673 min
Delta R.T.: 0.005 min
Response: 399523542
Conc: 980.96 ppb m

SGS ACCUTEST MC45857



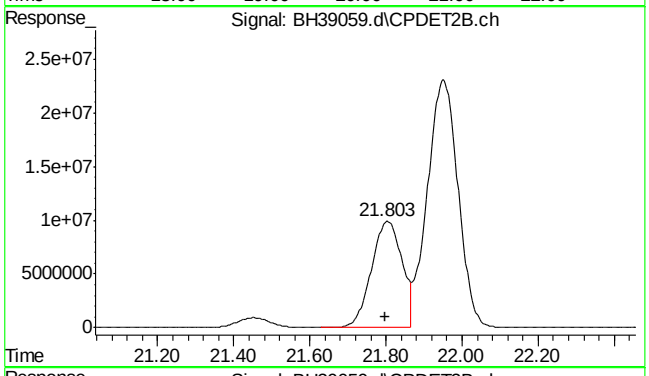
#26 toluene #2

R.T.: 18.667 min
Delta R.T.: 0.003 min
Response: 604674437
Conc: 978.14 ppb m



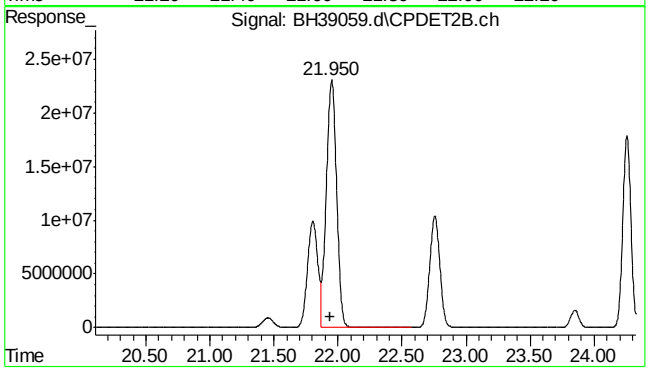
#27 2,3,4-trifluorotoluene #2

R.T.: 19.786 min
Delta R.T.: 0.002 min
Response: 251958217
Conc: 991.06 ppb m



#28 ethylbenzene #2

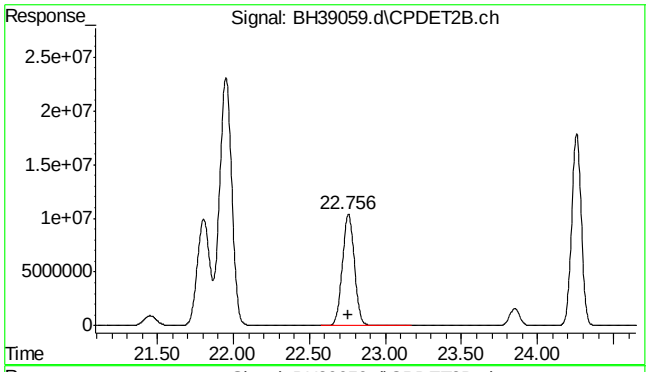
R.T.: 21.803 min
Delta R.T.: 0.006 min
Response: 552093381
Conc: 1010.15 ppb m



#29 m,p-xylene #2

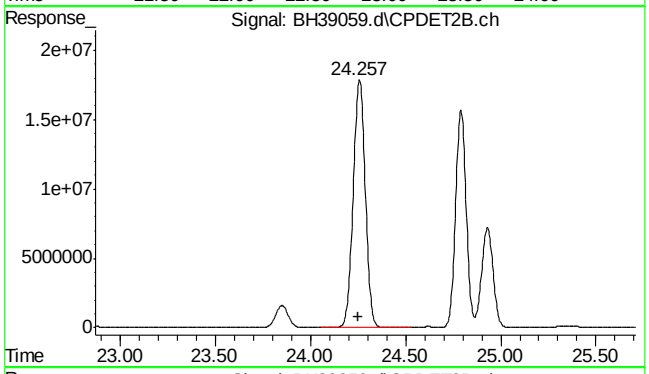
R.T.: 21.950 min
Delta R.T.: 0.009 min
Response: 1301974870
Conc: 1946.02 ppb m

SGS ACCUTEST MC45857



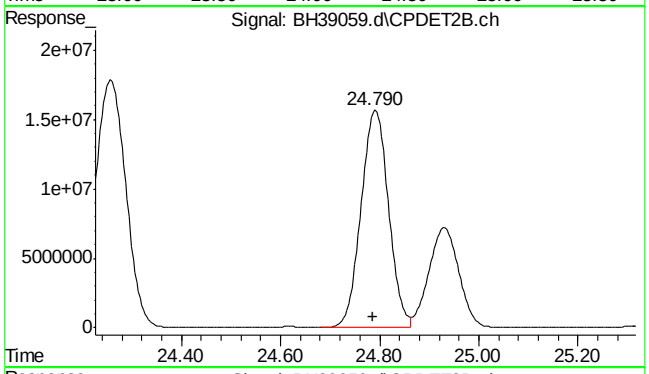
#30 o-xylene #2

R.T.: 22.756 min
Delta R.T.: 0.003 min
Response: 573715104
Conc: 983.74 ppb m



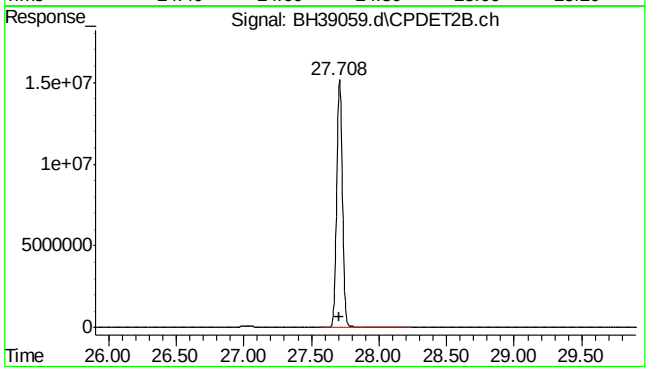
#31 1,3,5-trimethylbenzene #2

R.T.: 24.256 min
Delta R.T.: 0.005 min
Response: 790634138
Conc: 939.81 ppb m



#32 1,2,4-trimethylbenzene #2

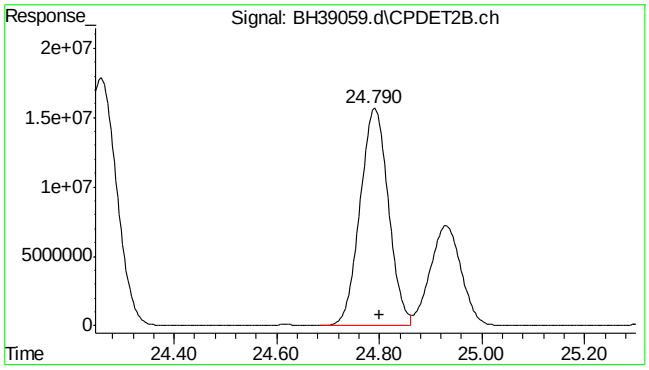
R.T.: 24.790 min
Delta R.T.: 0.003 min
Response: 602514656
Conc: 927.91 ppb m



#33 naphthalene #2

R.T.: 27.708 min
Delta R.T.: 0.002 min
Response: 452163550
Conc: 809.58 ppb m

SGS ACCUTEST MC45857



#34 c9-c10 arom as 1,2,4-tmb

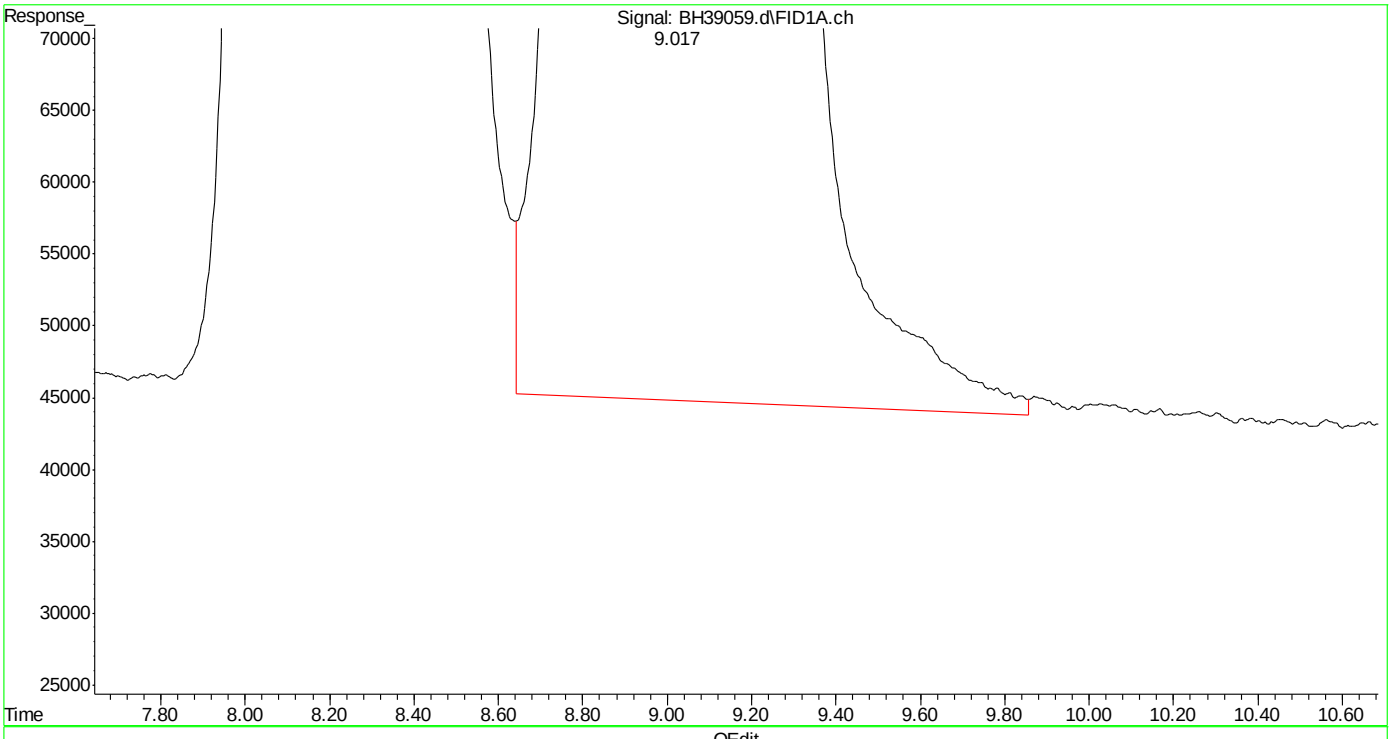
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 602910305
Conc: 928.73 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.019min 923.214 ppb
response 574784474

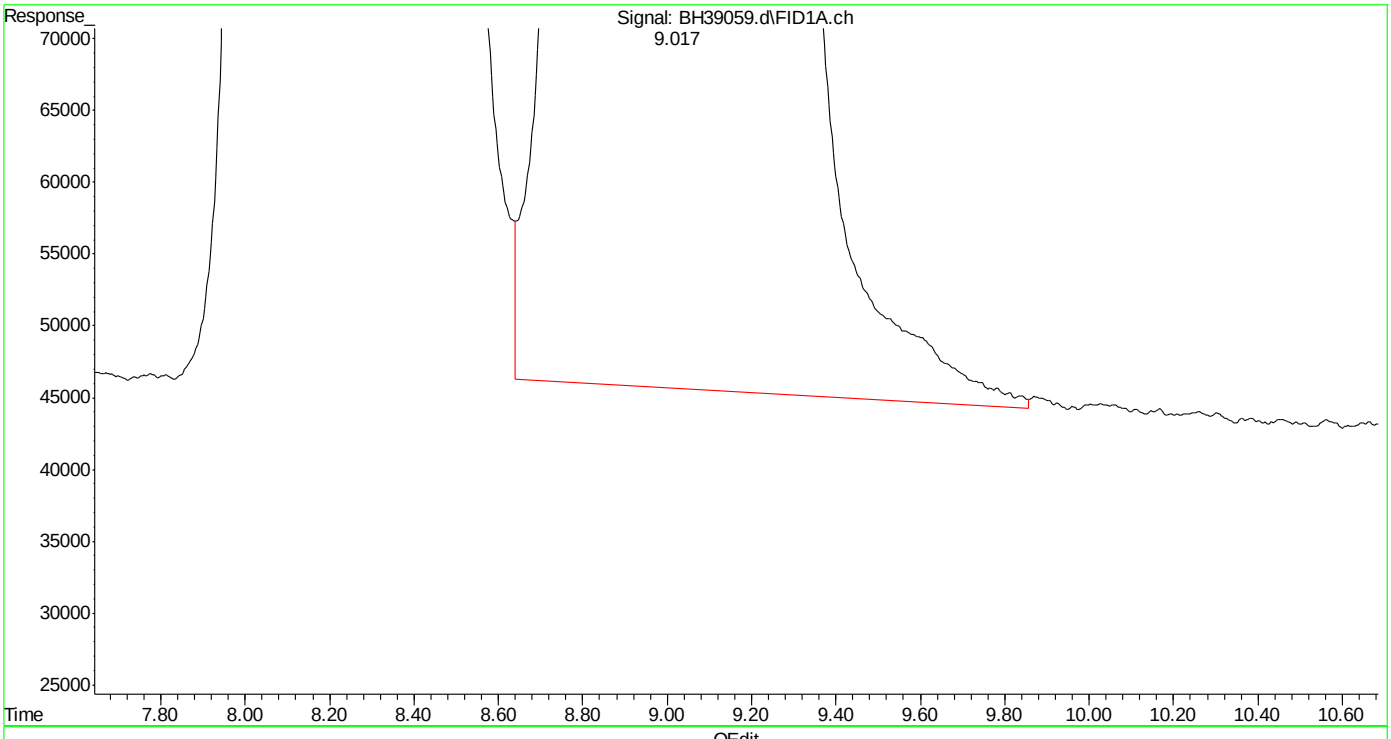
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:44:53 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.017min 922.404 ppb m
response 574280098

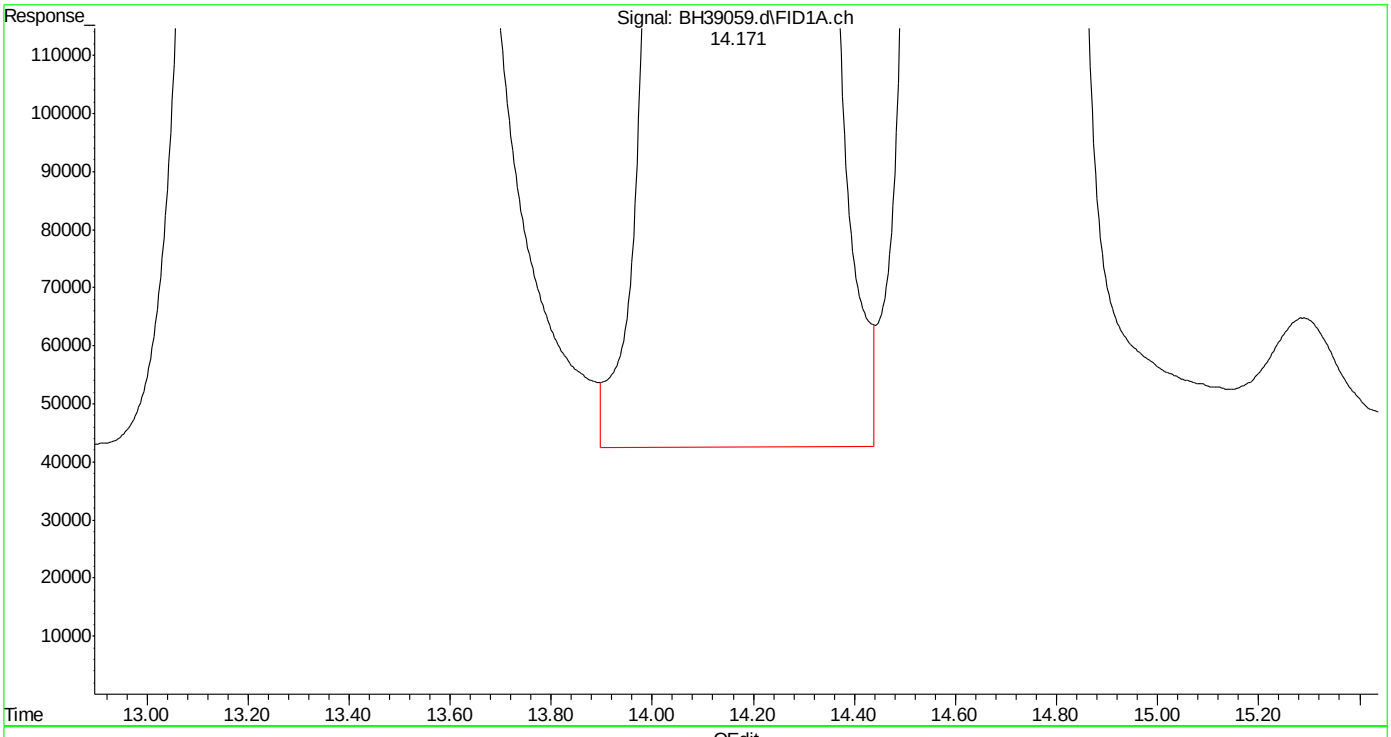
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:01 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.173min 992.767 ppb
response 1197002050

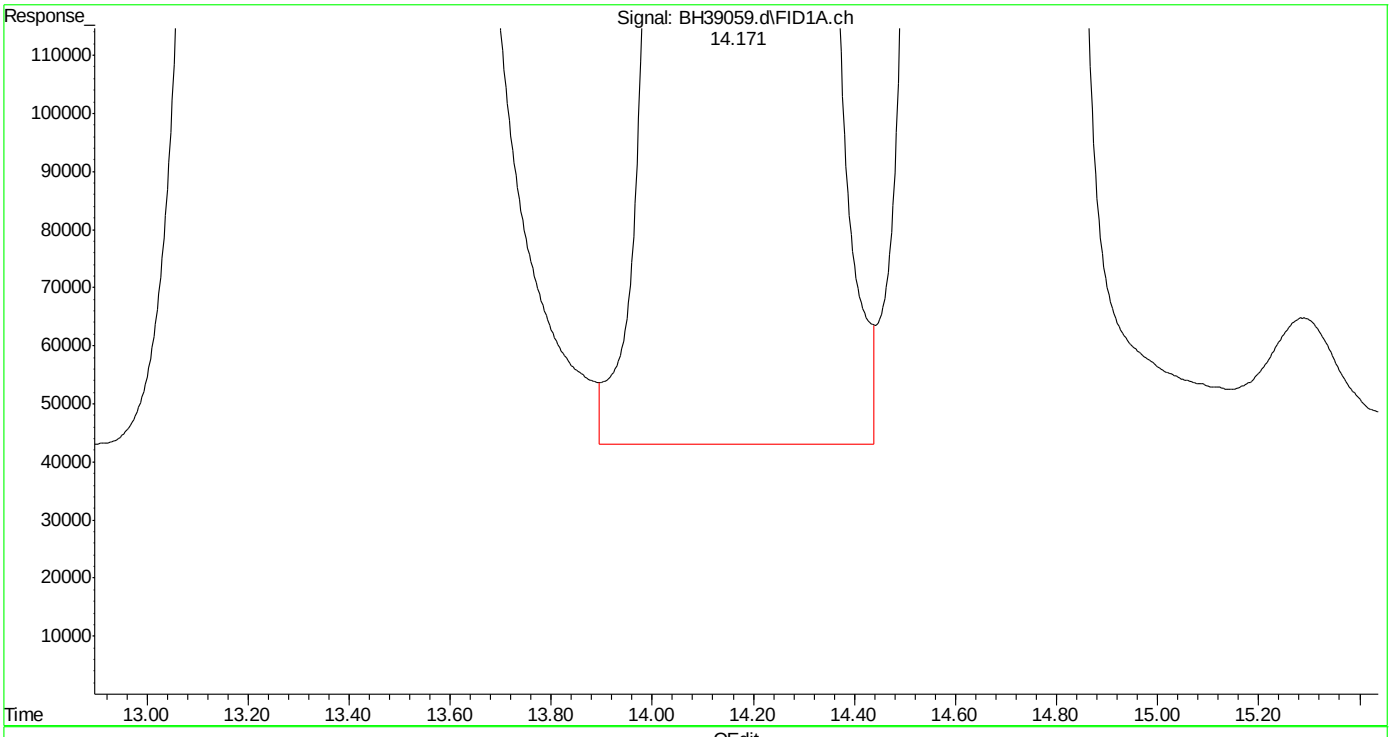
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:19 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.171min 992.642 ppb m
response 1196851669

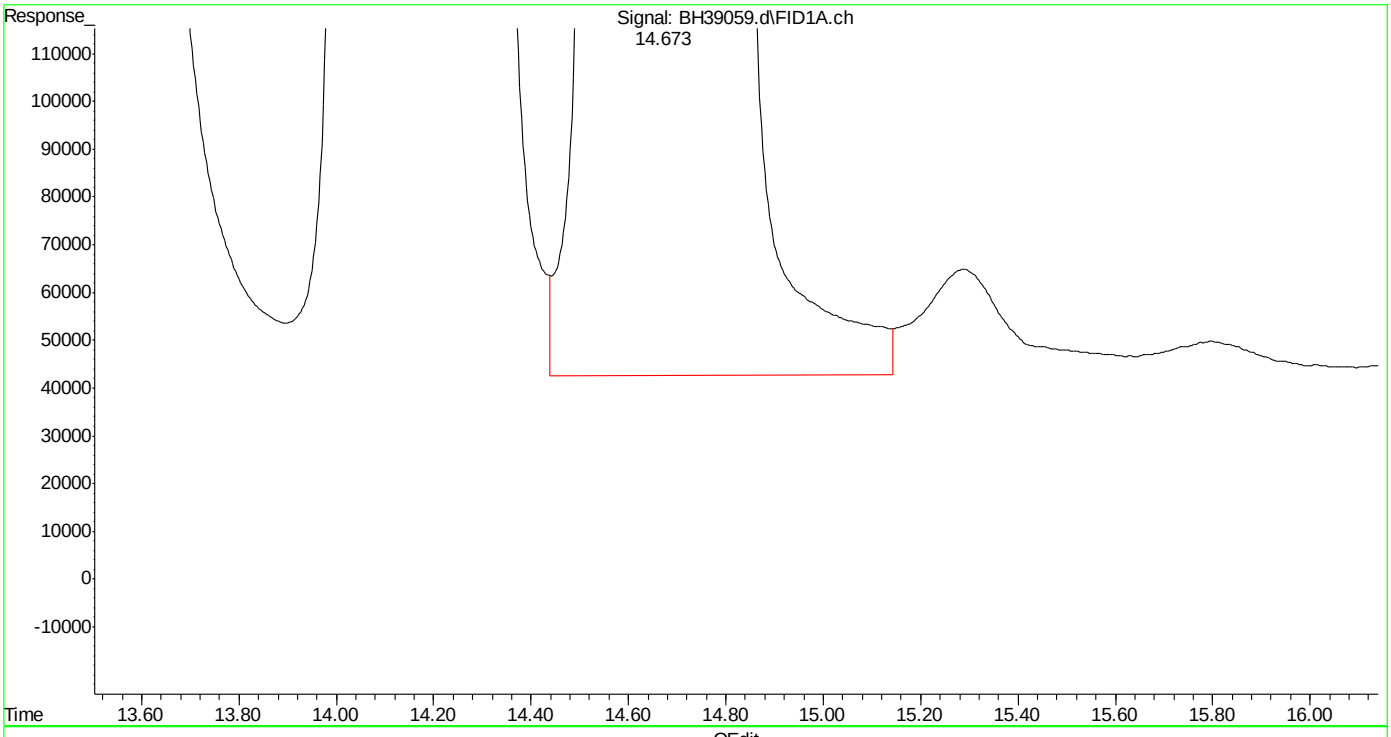
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:26 2016

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(6) fluorobenzene (s)

14.675min 1013.387 ppb

response 950604408

(+) = Expected Retention Time

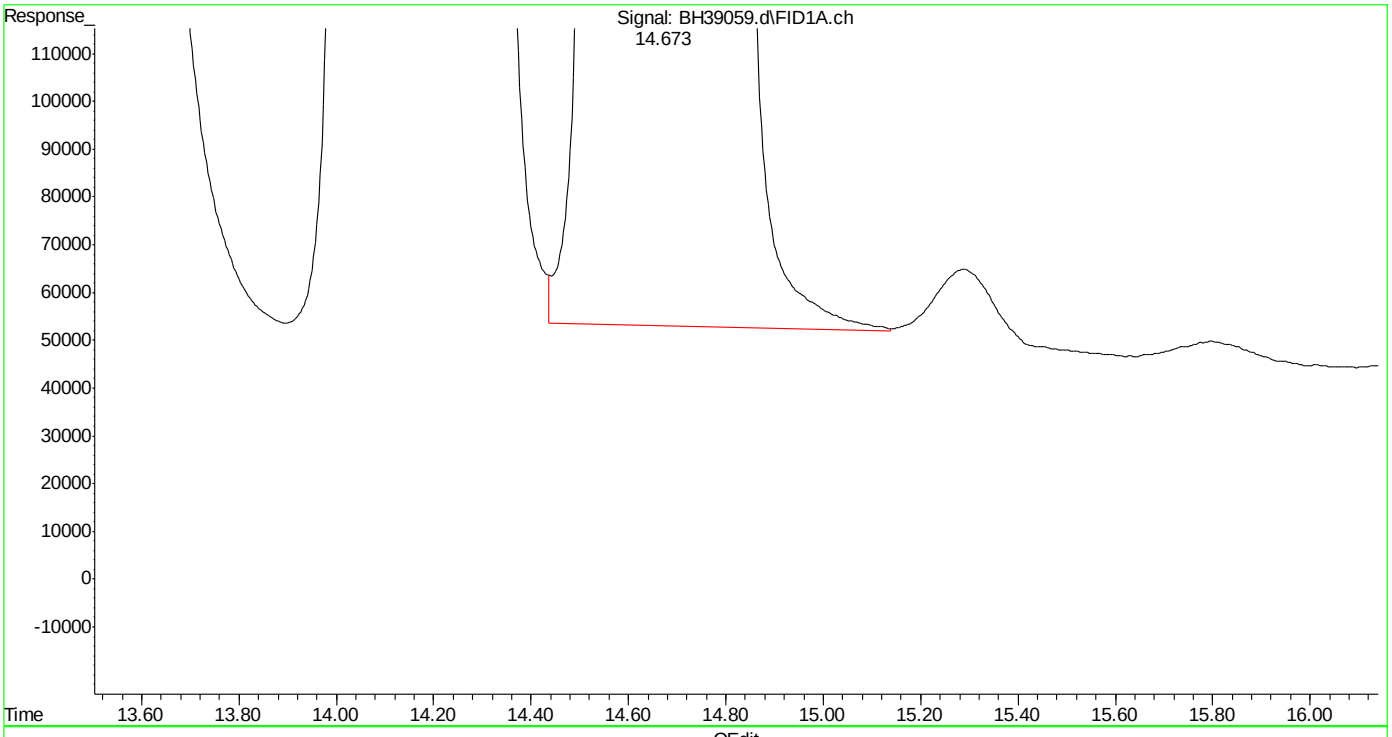
bh160420vphmaster.m Wed Apr 20 14:45:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.673min 1008.892 ppb m
response 946388309

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:38 2016

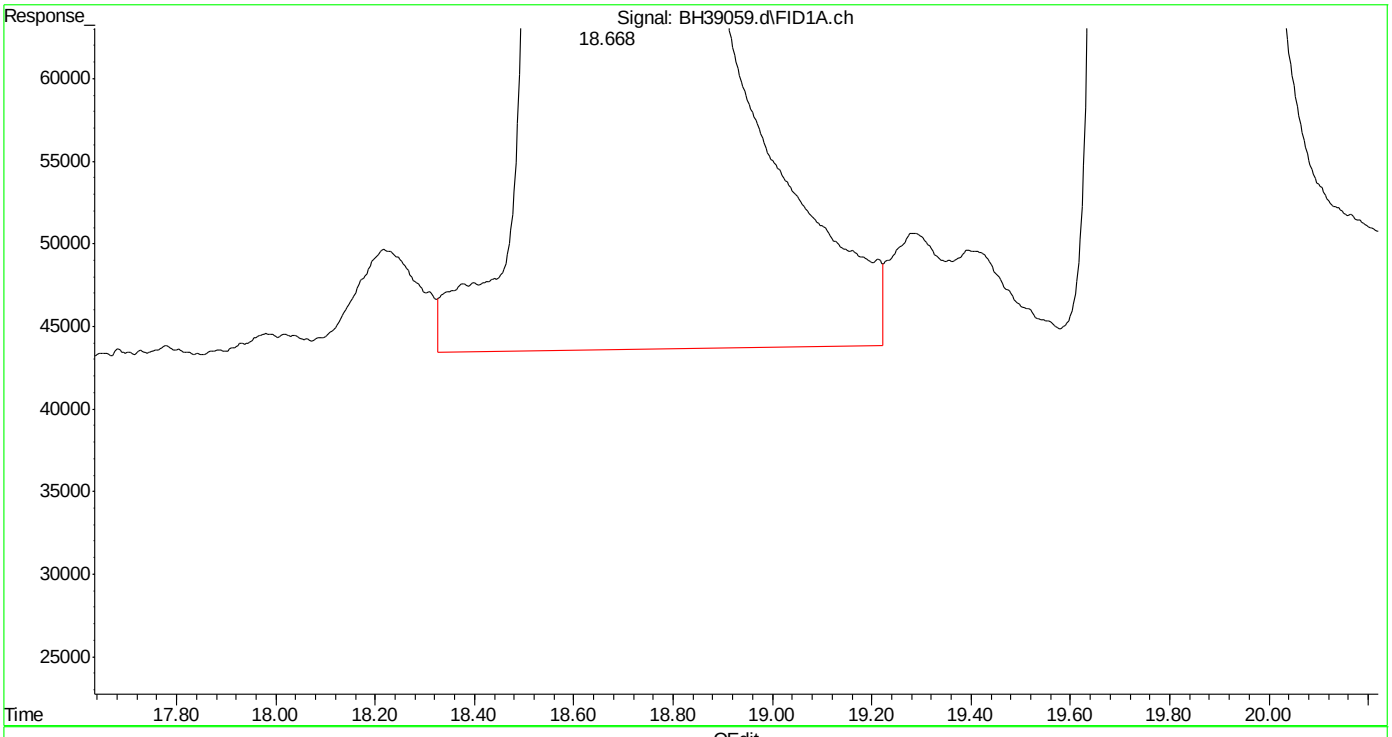
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.669min 1022.481 ppb
response 1240458837

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:46 2016

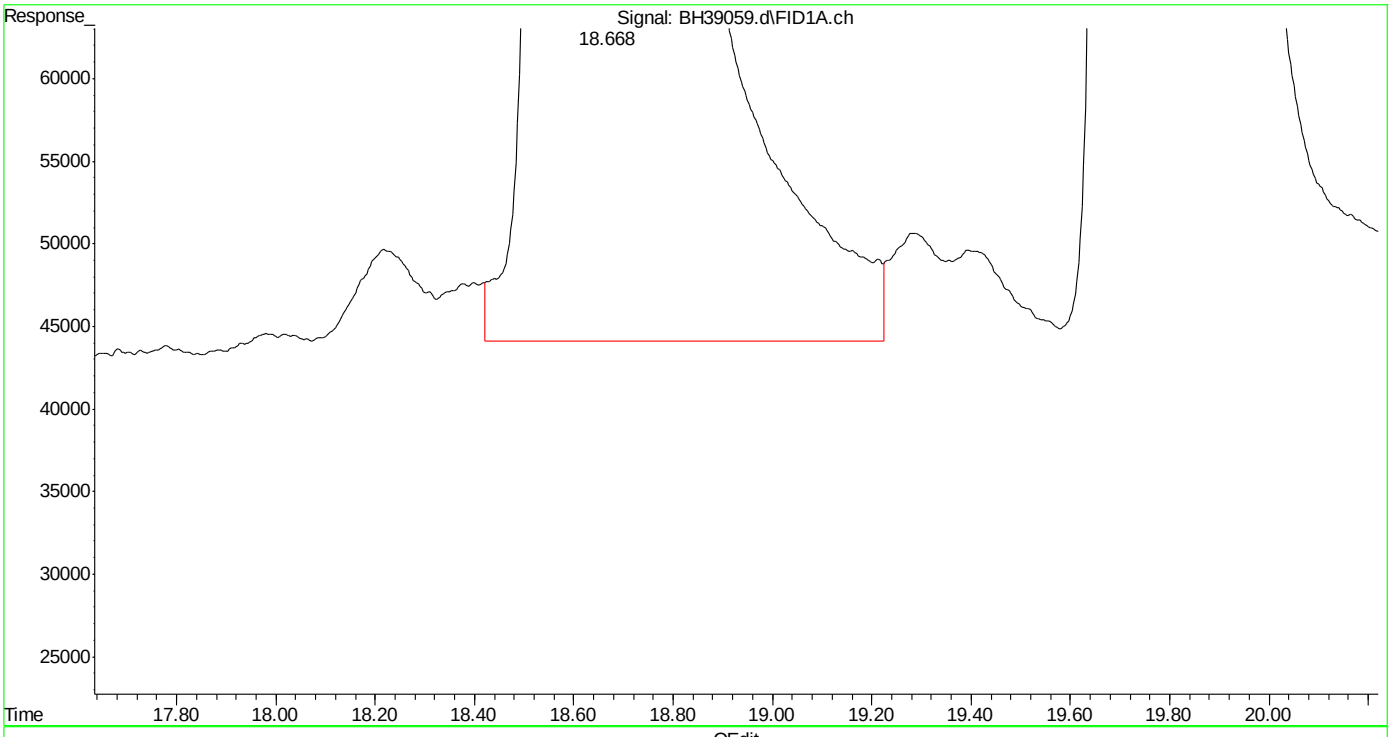
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.668min 1022.109 ppb m
response 1240007399

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:45:54 2016

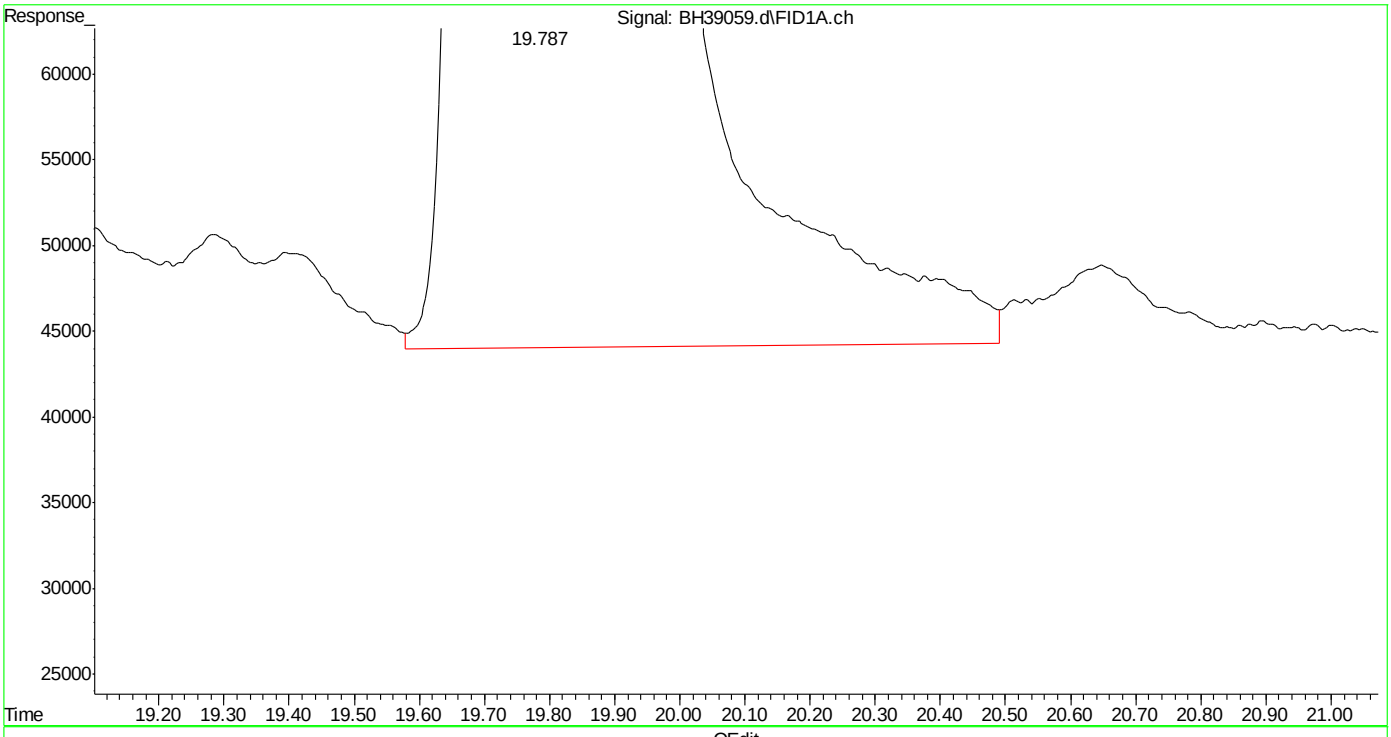
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.788min 1012.879 ppb
response 822216654

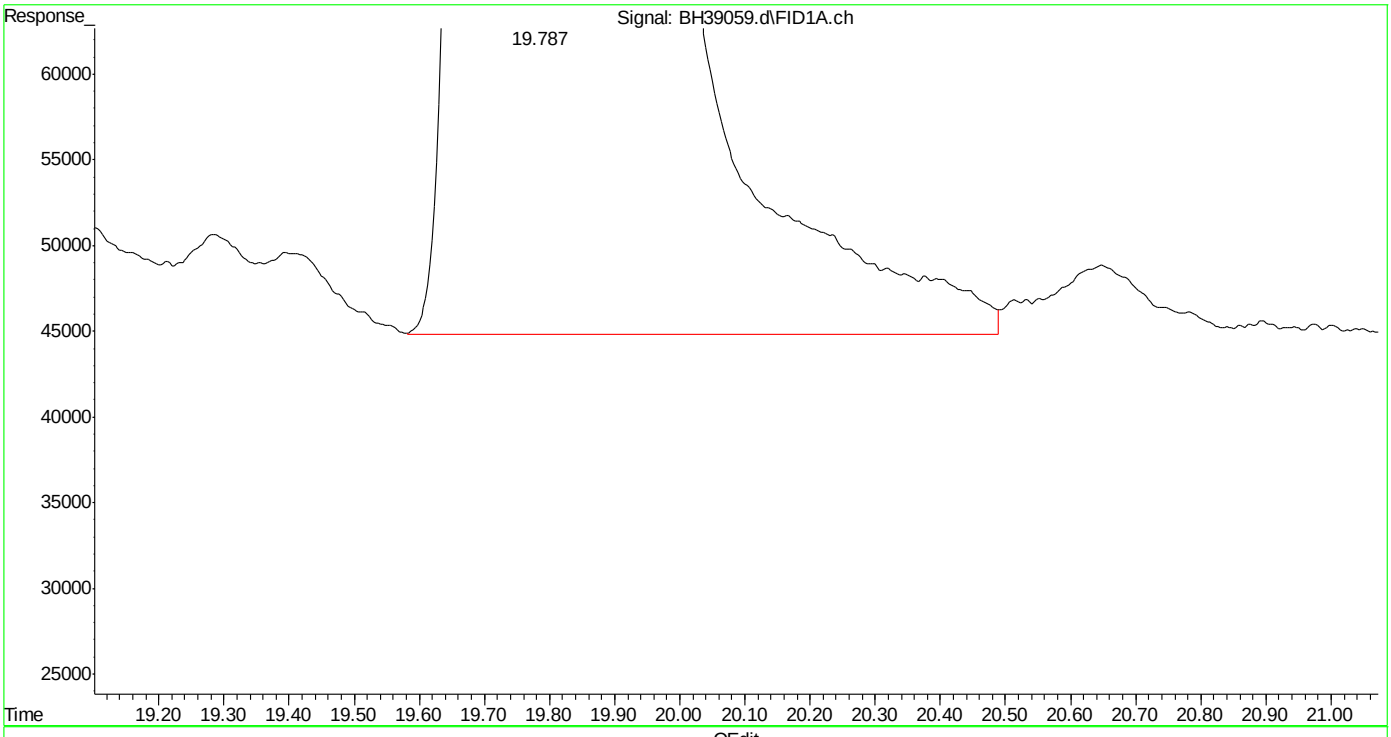
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:00 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.787min 1012.403 ppb m
response 821830159

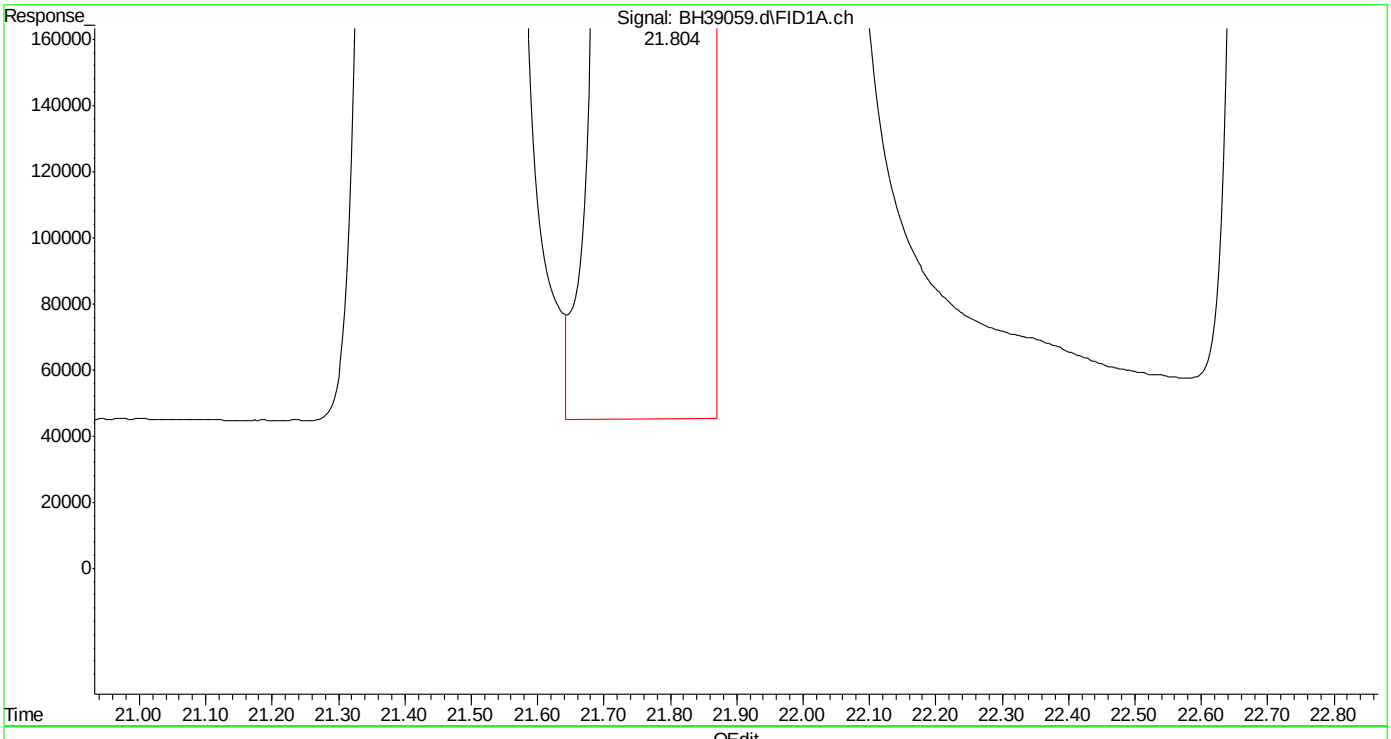
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:06 2016

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(13) ethylbenzene (t)

21.805min 1053.187 ppb

response 1264293322

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:46:18 2016

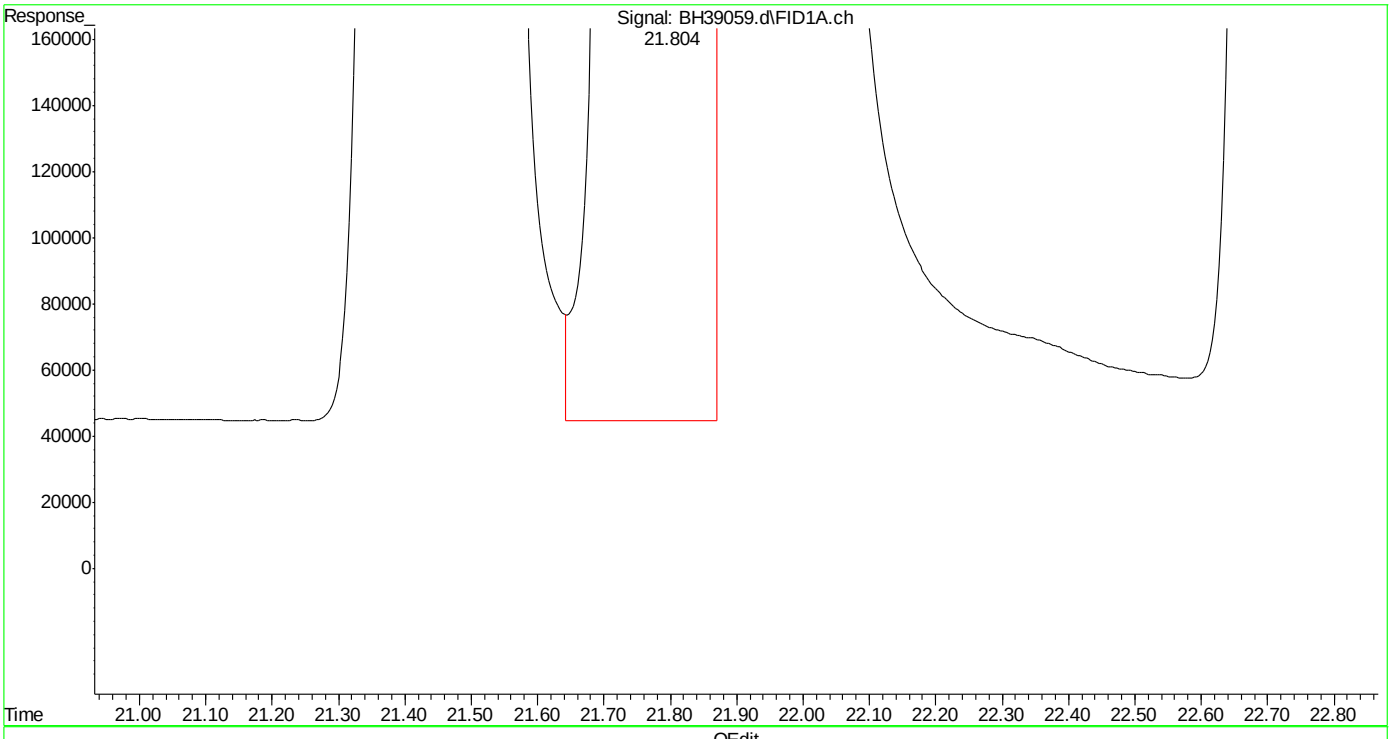
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.804min 1050.086 ppb m
response 1260571147

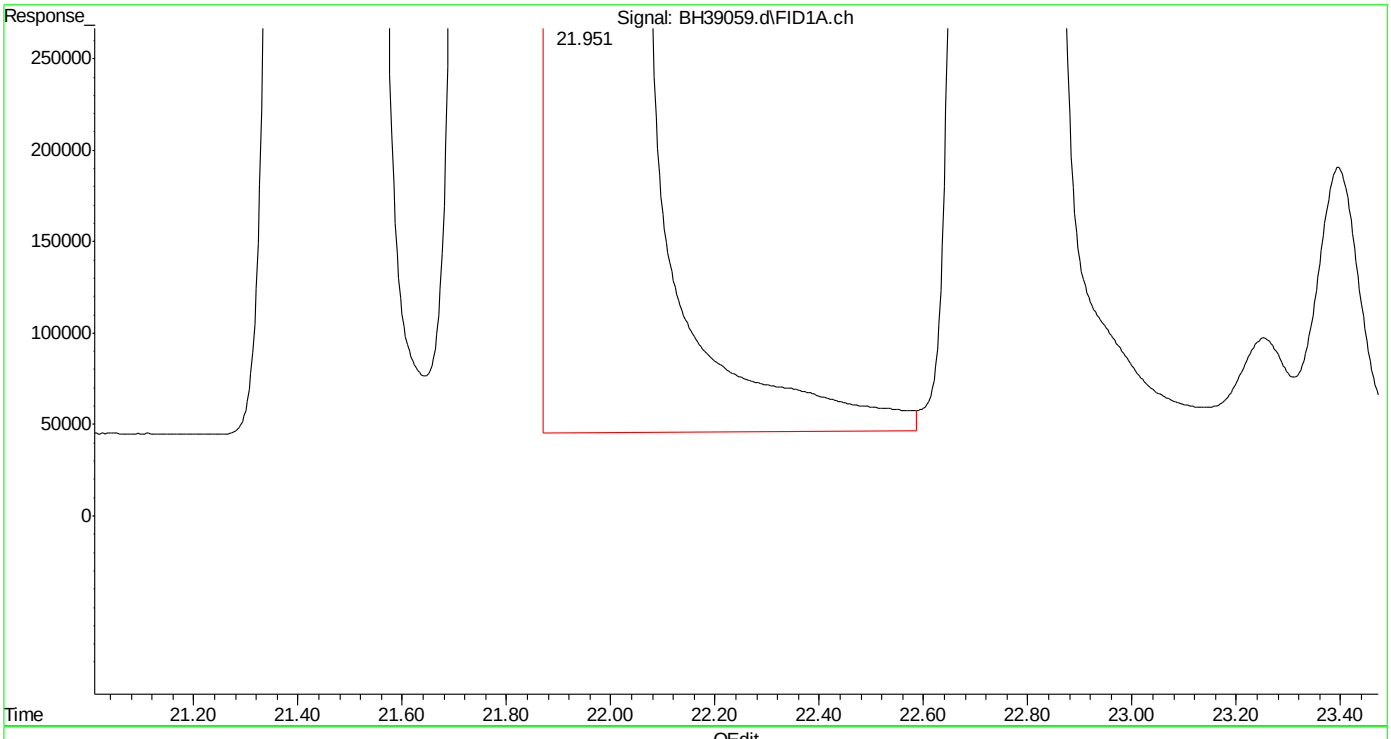
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:28 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.952min 2094.613 ppb
response 2634559696

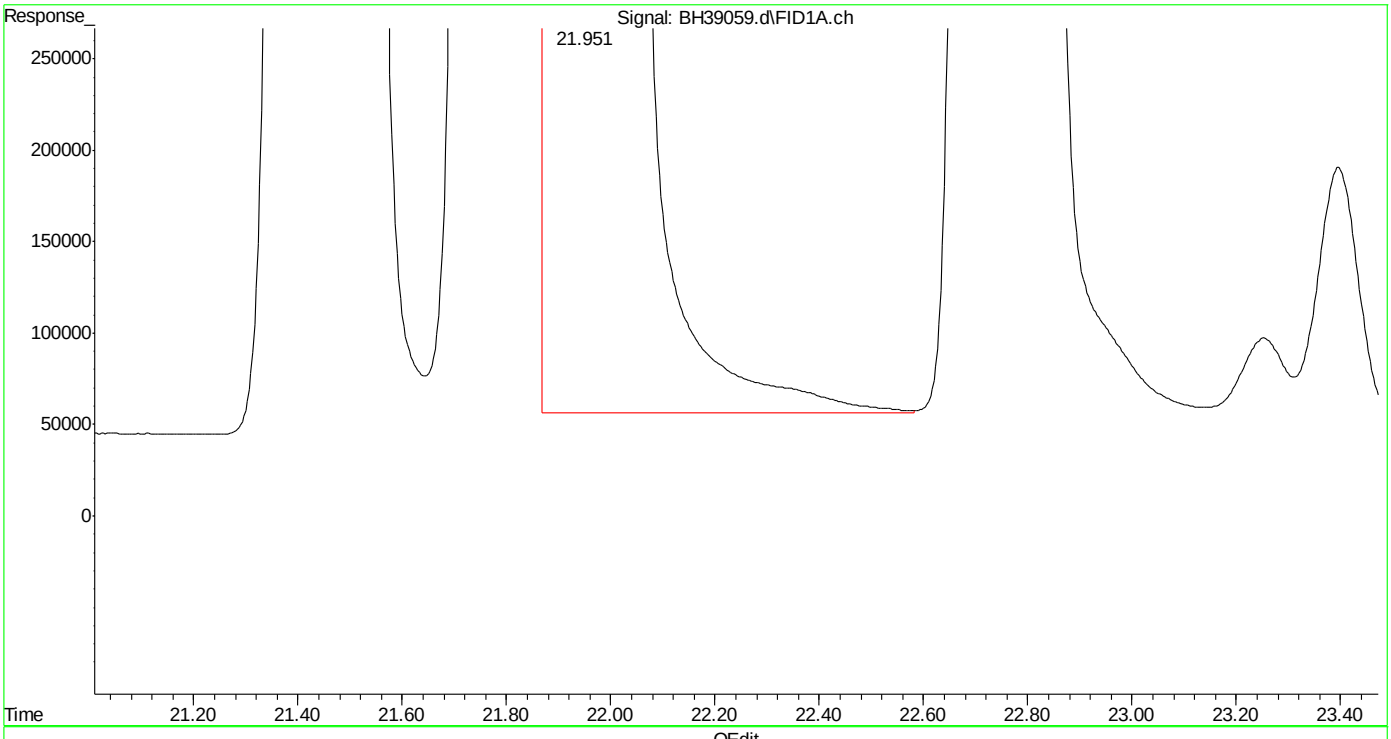
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:33 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.951min 2093.410 ppb m
response 2633046480

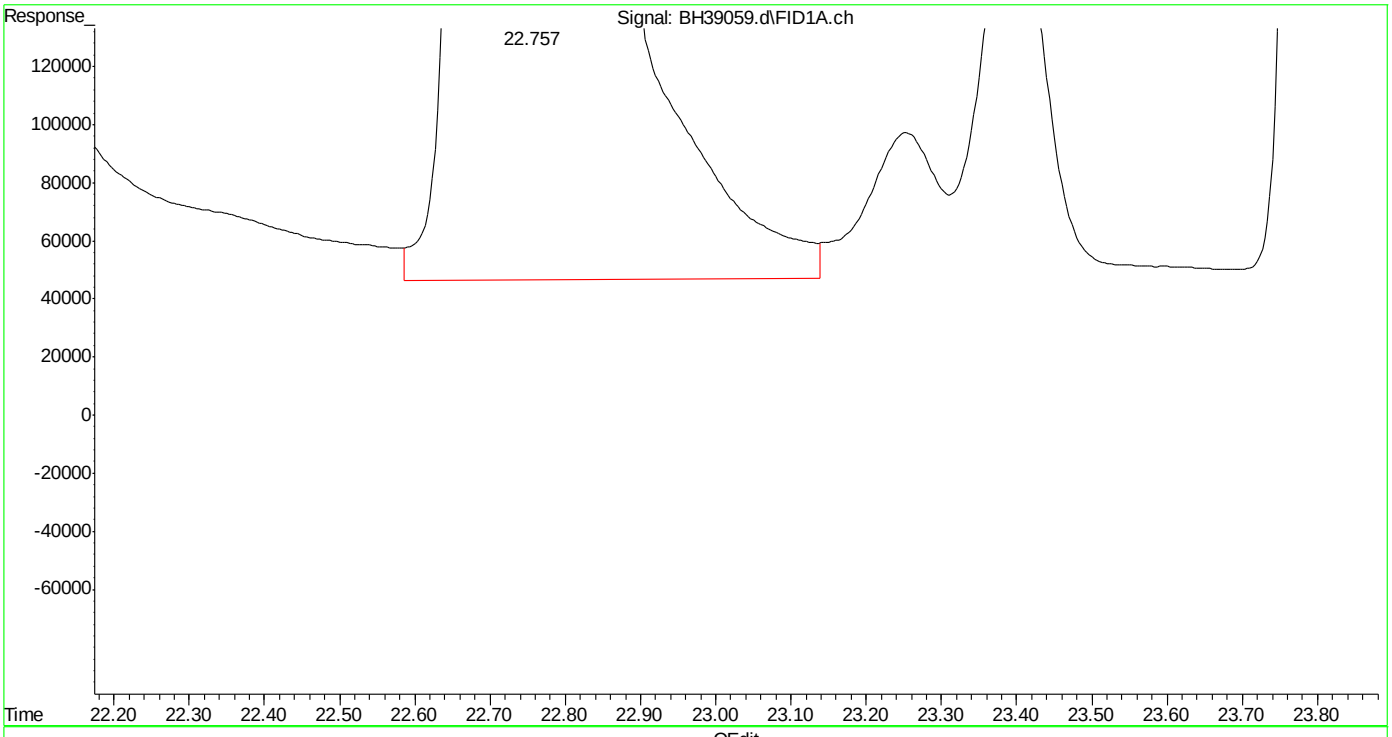
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:40 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.758min 1030.546 ppb
response 1321381389

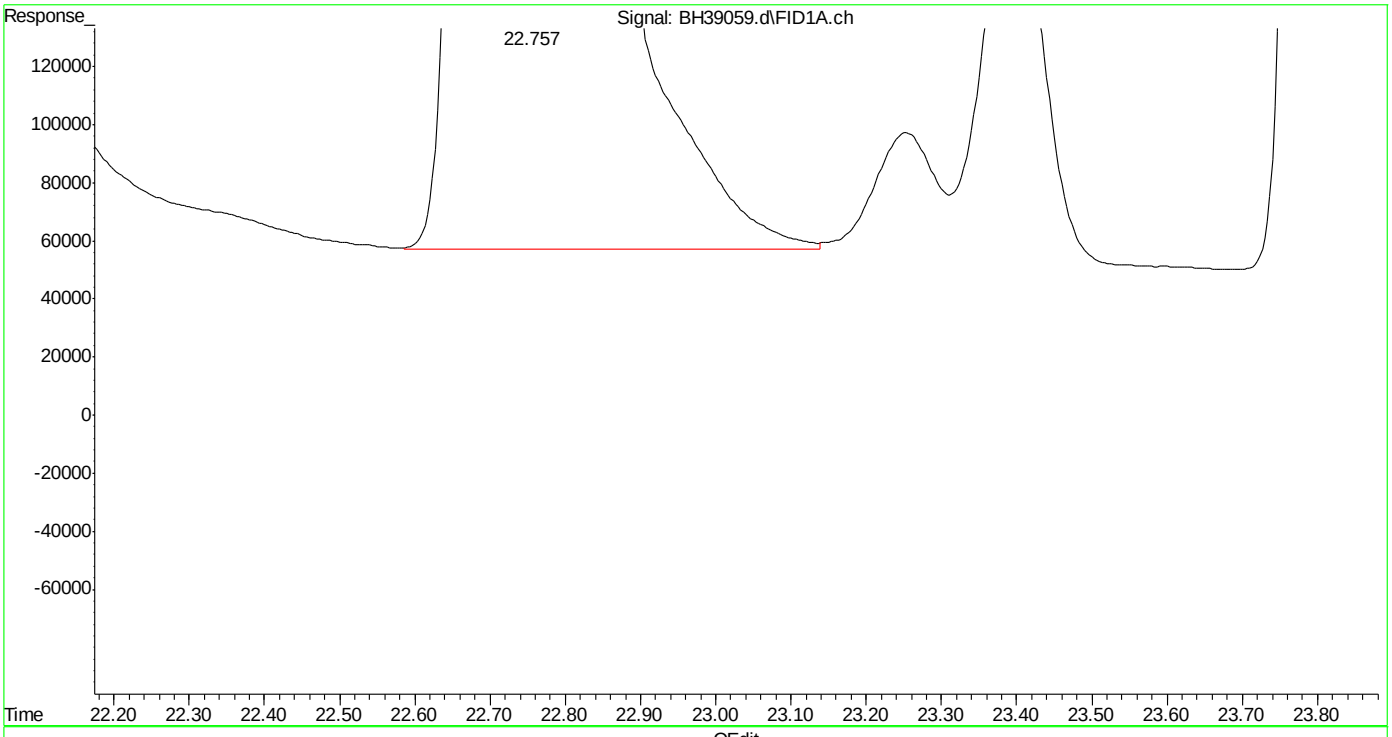
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.757min 1027.820 ppb m
response 1317885314

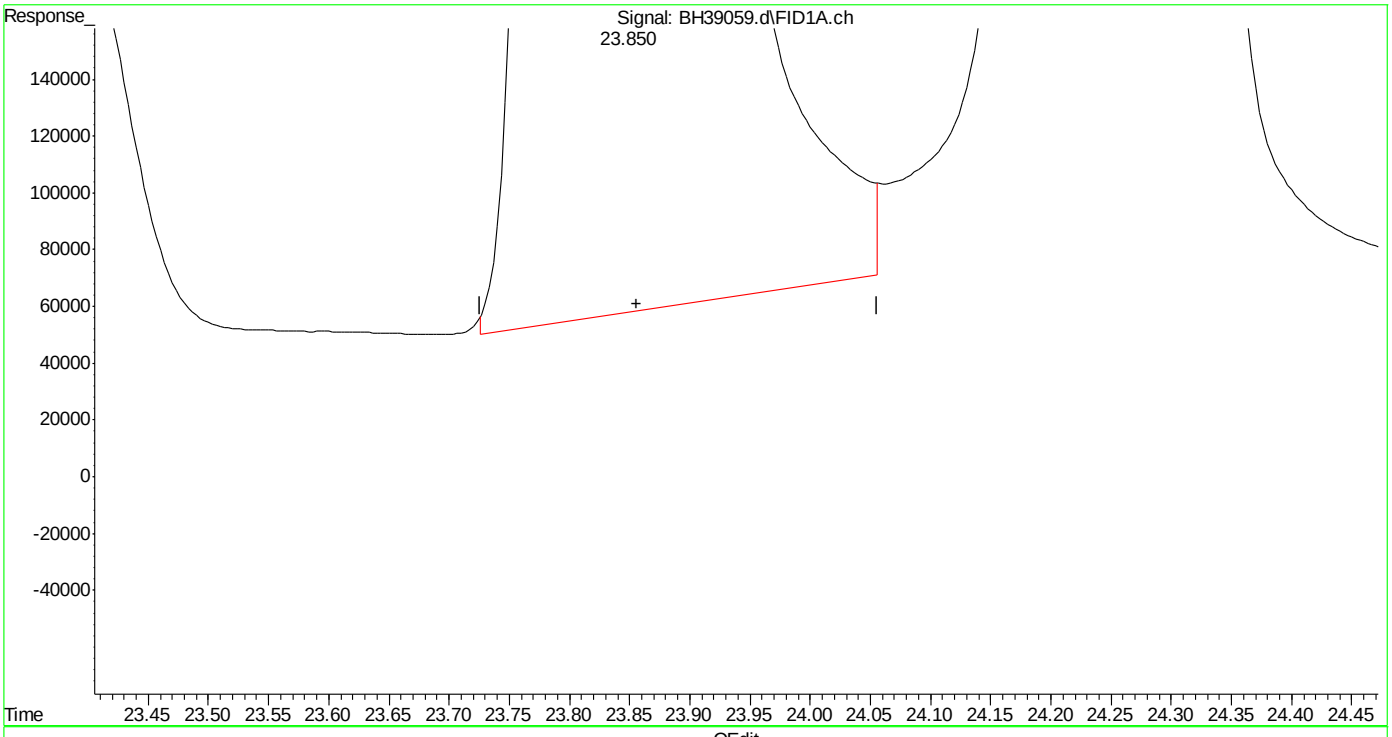
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:51 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 1015.306 ppb
response 1198662731

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:46:56 2016

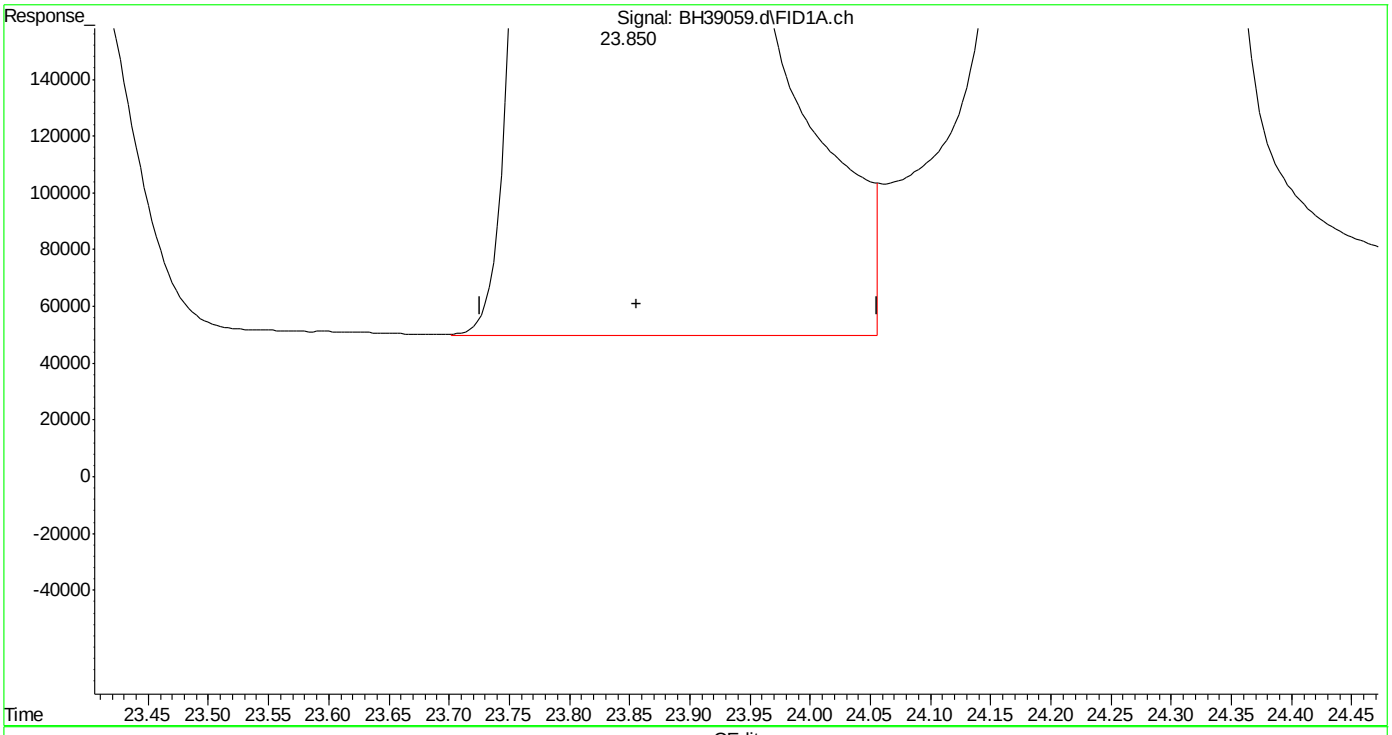
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 1017.134 ppb m
response 1200820065

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:47:02 2016

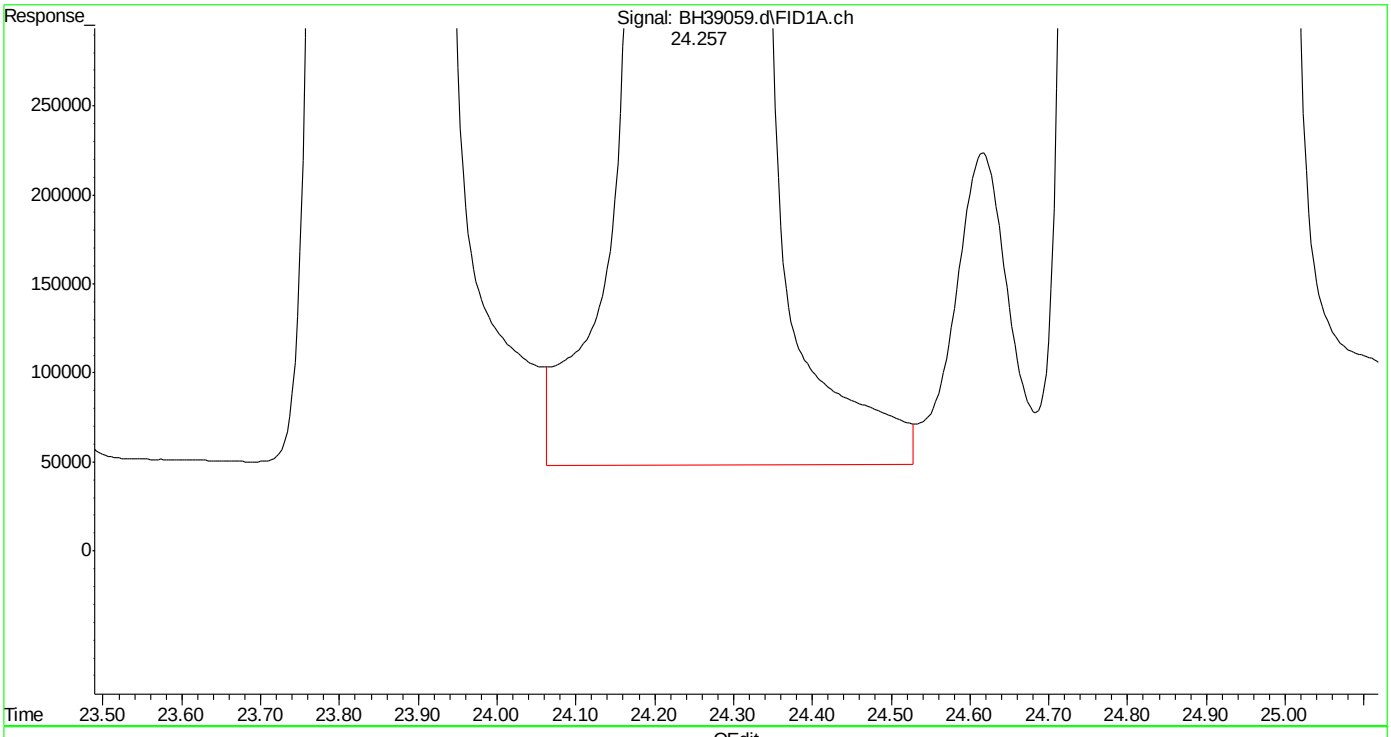
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.259min 988.155 ppb
response 1330402819

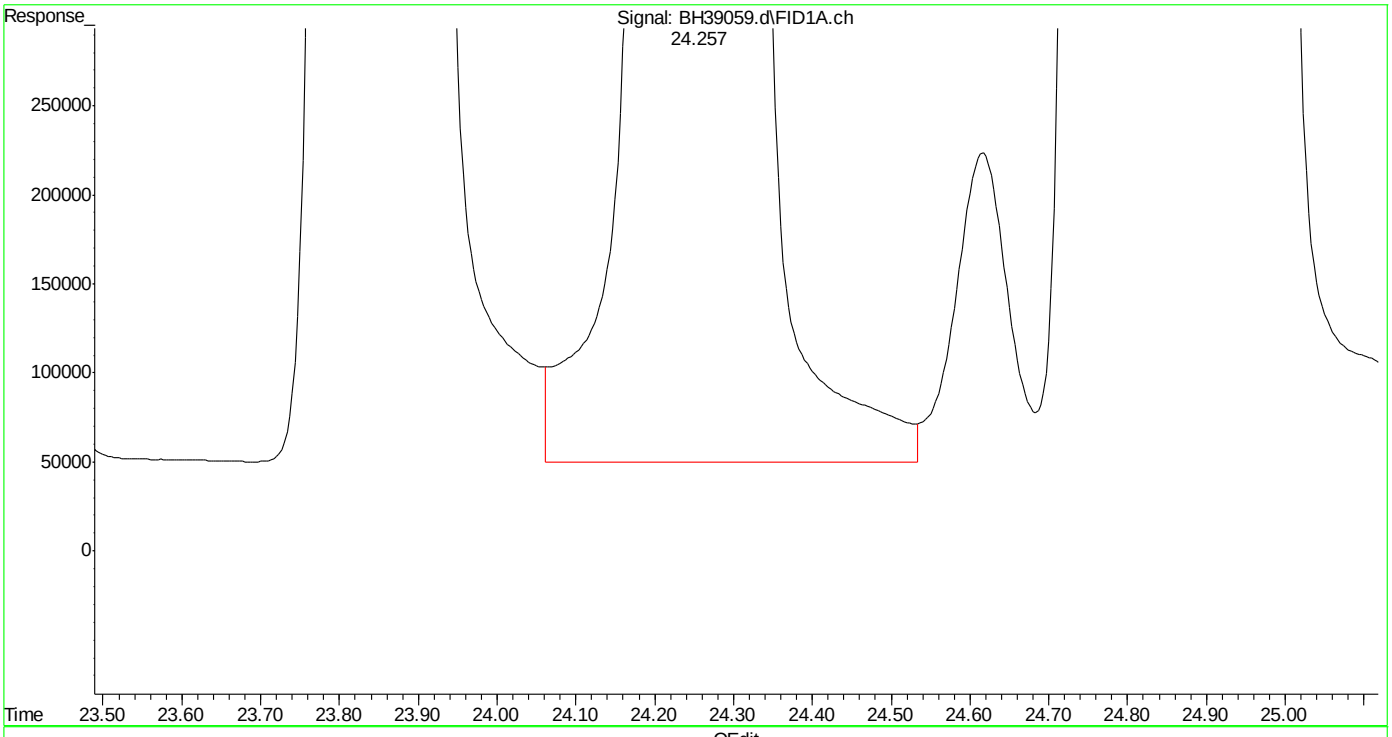
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:47:07 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.257min 987.895 ppb m
response 1330052596

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:47:15 2016

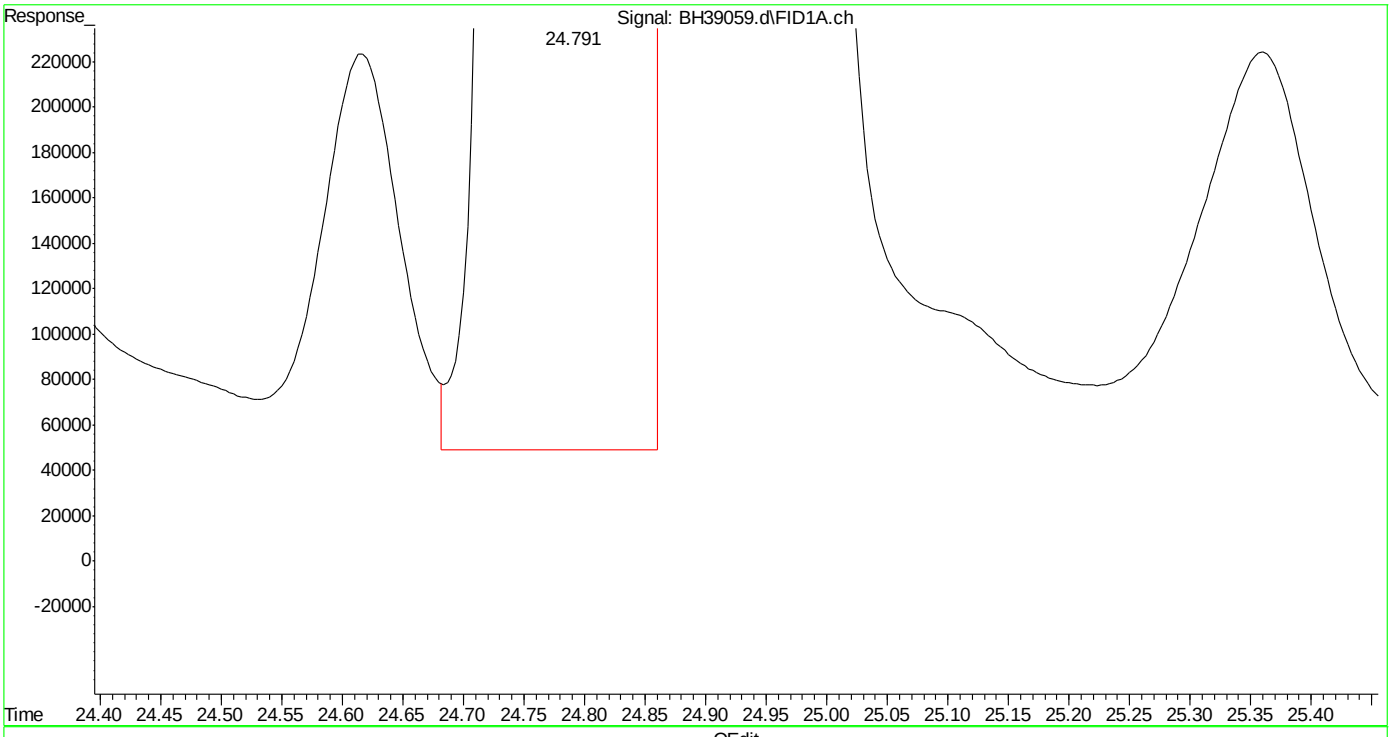
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)

24.792min 960.939 ppb

response 1308039651

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:47:20 2016

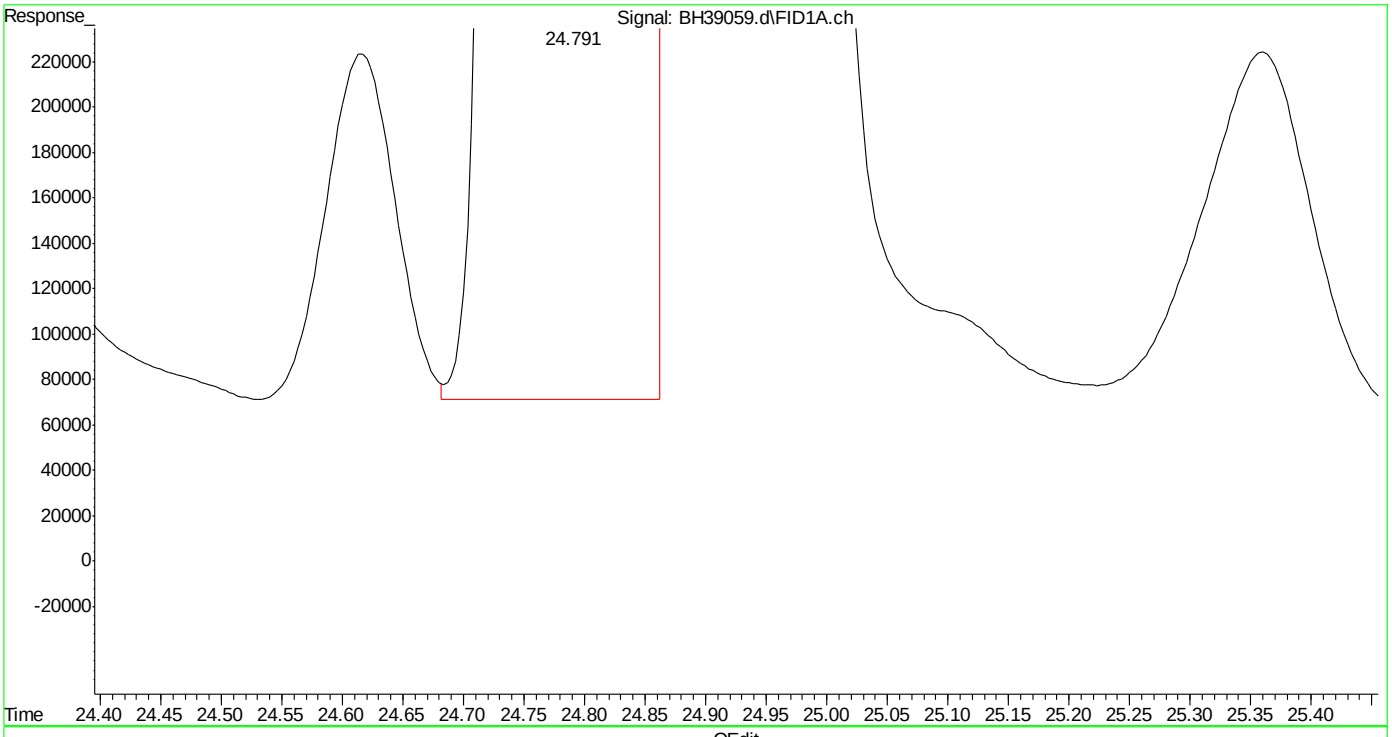
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)

24.791min 961.519 ppb m

response 1308829133

(+) = Expected Retention Time

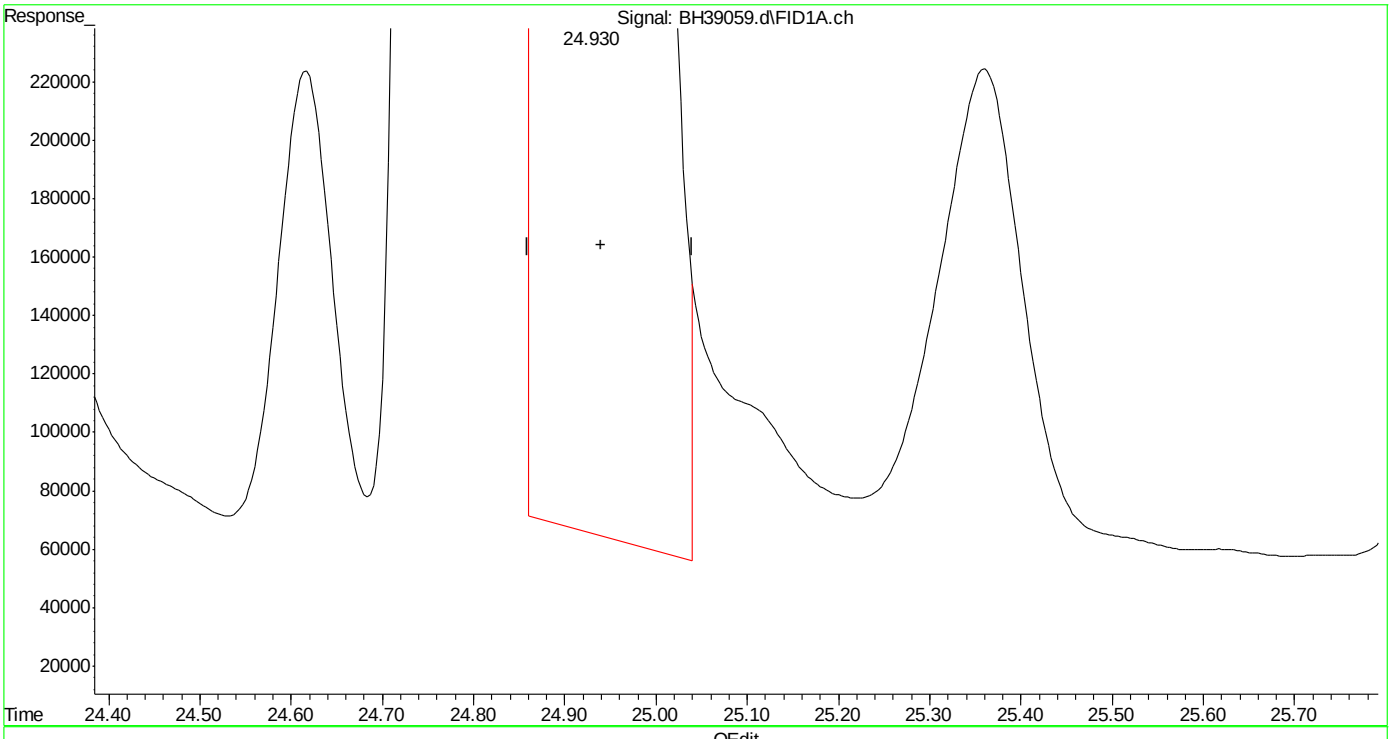
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 982.910 ppb
response 1243896792

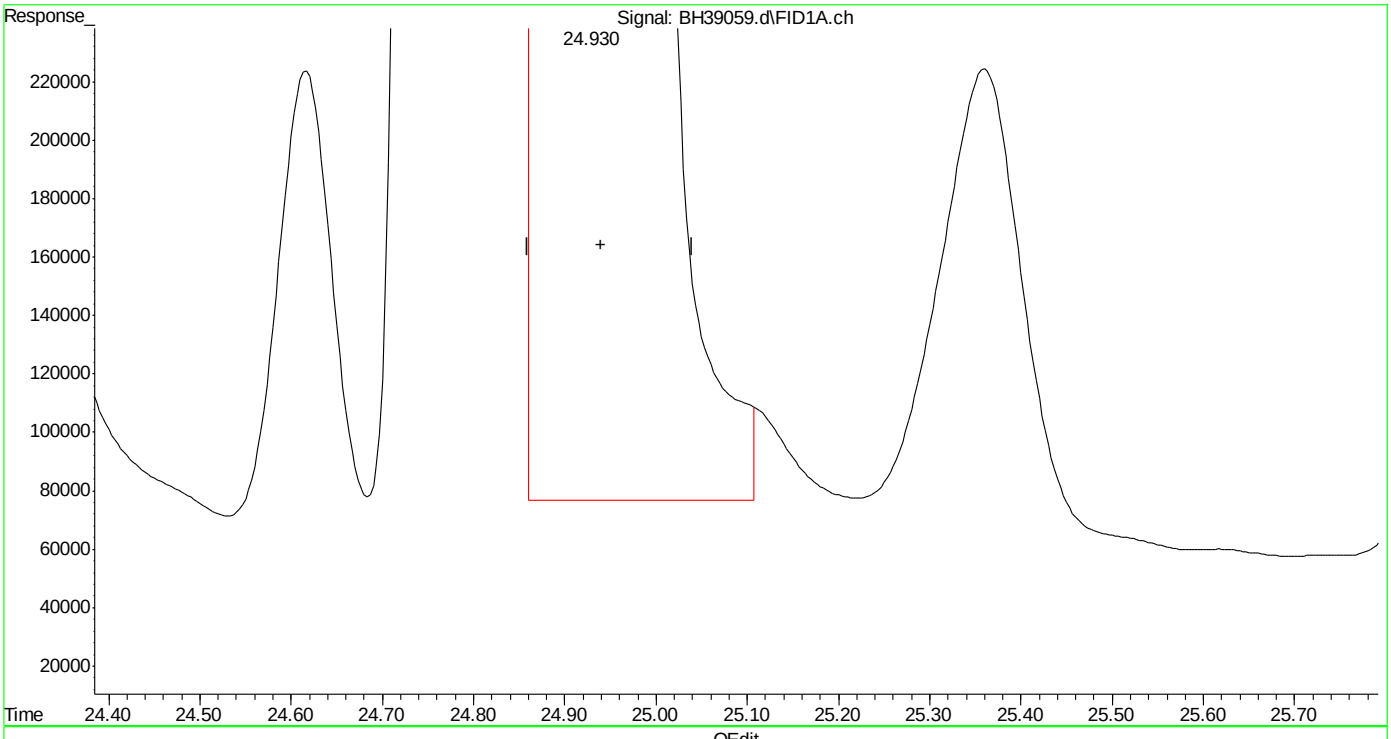
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:47:34 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 986.930 ppb m
response 1248984615

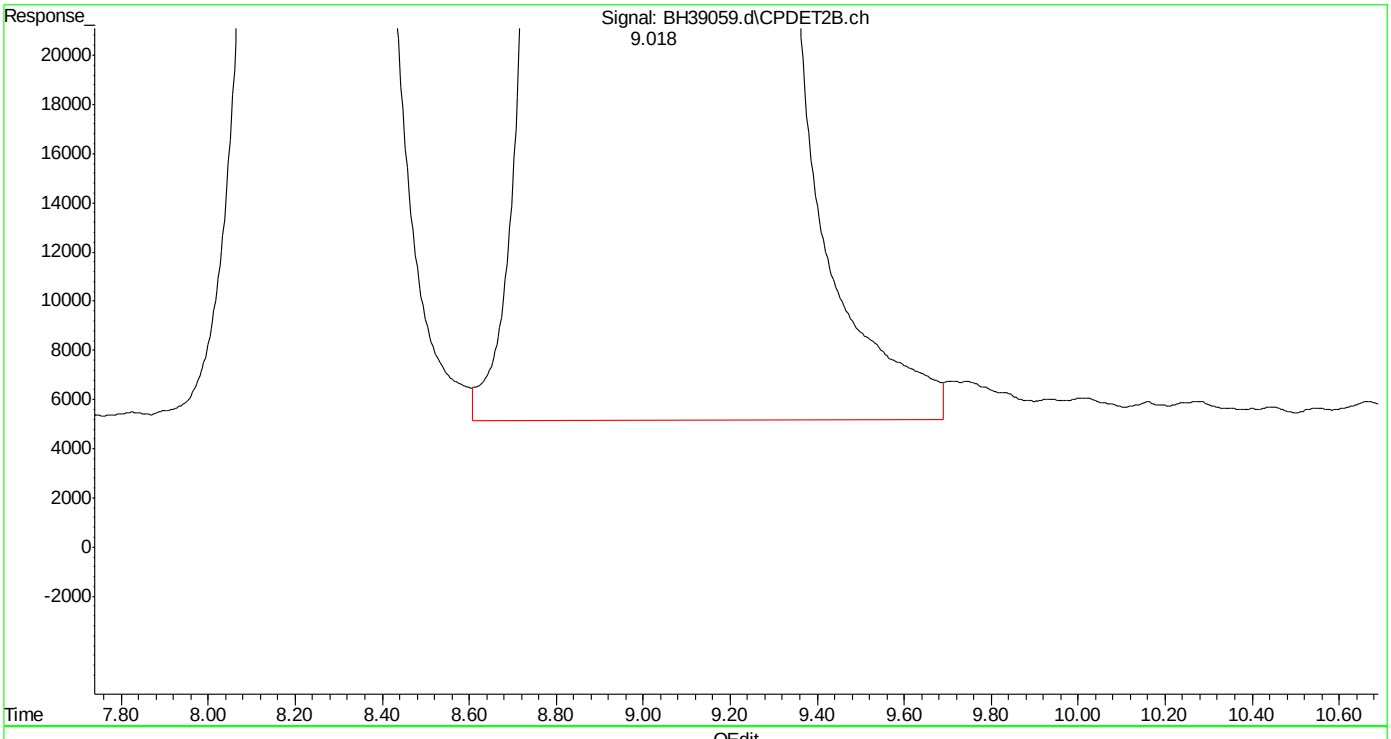
(+) = Expected Retention Time

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(23) mtbe #2 (t)

9.019min 903.753 ppb

response 256894990

(+) = Expected Retention Time

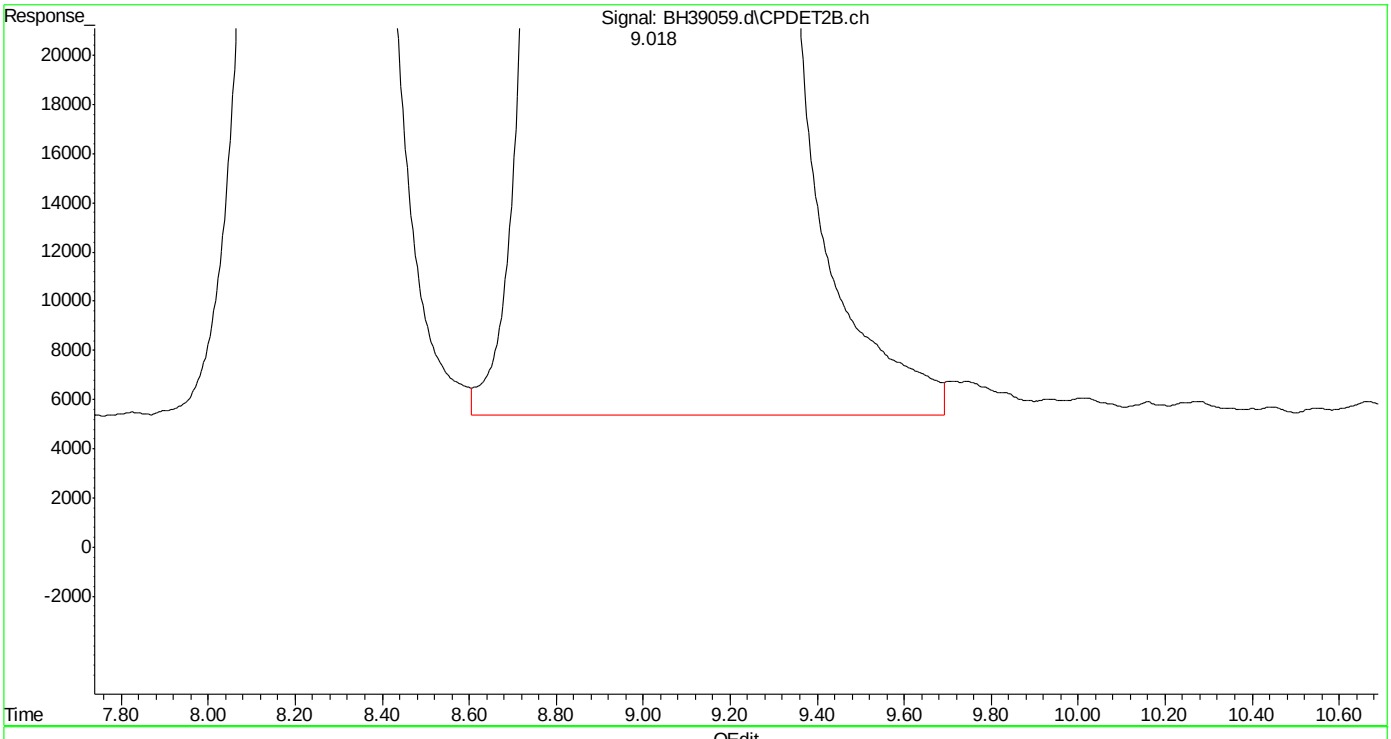
bh160420vphmaster.m Wed Apr 20 14:47:55 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.018min 903.308 ppb m
response 256768543

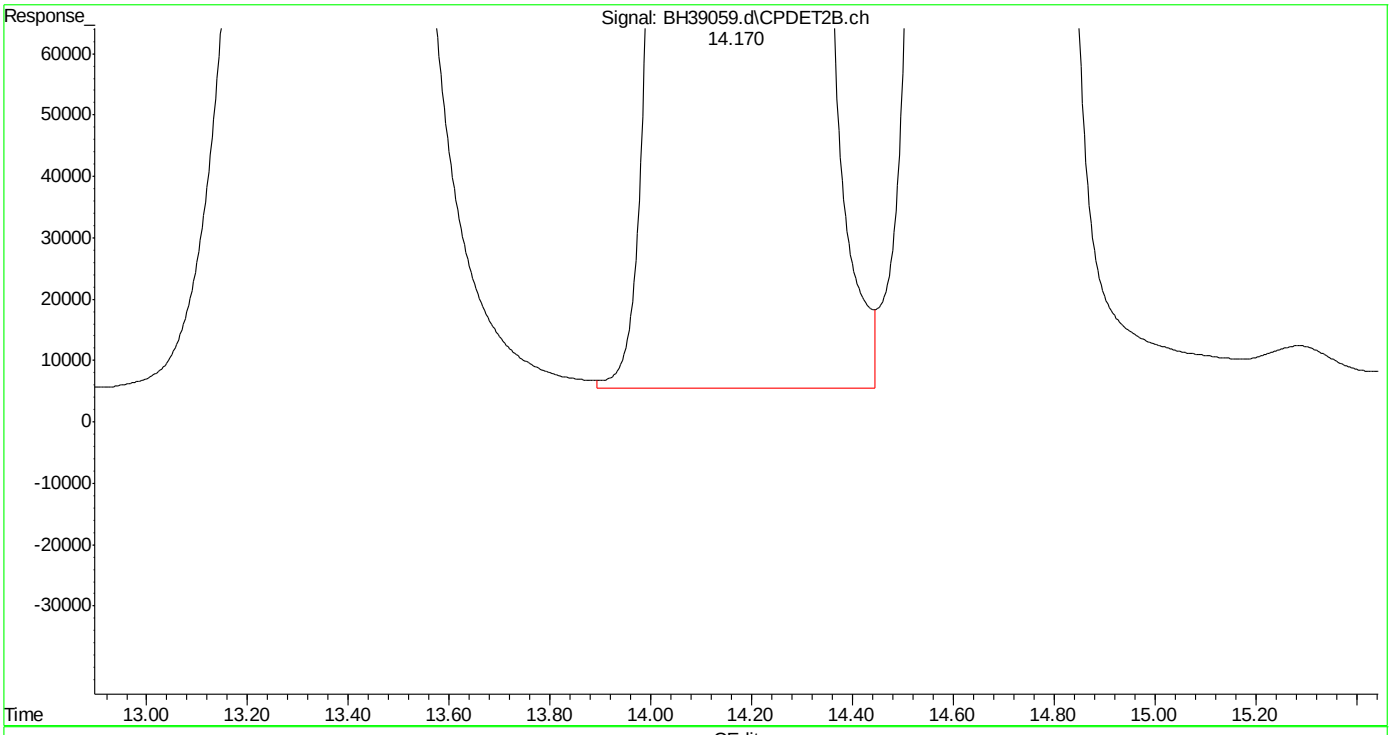
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:01 2016 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(24) benzene #2 (t)

14.172min 948.882 ppb

response 627632686

(+) = Expected Retention Time

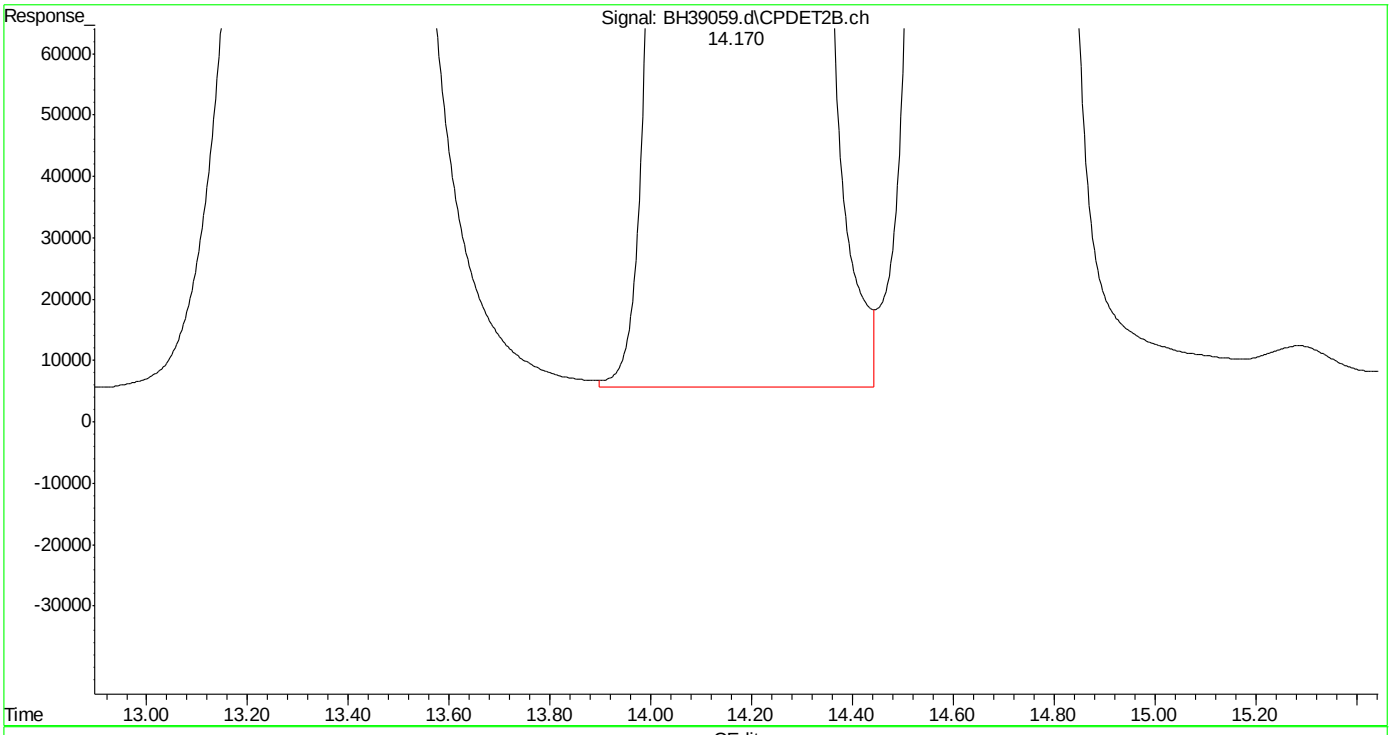
bh160420vphmaster.m Wed Apr 20 14:48:06 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.170min 948.756 ppb m
response 627549549

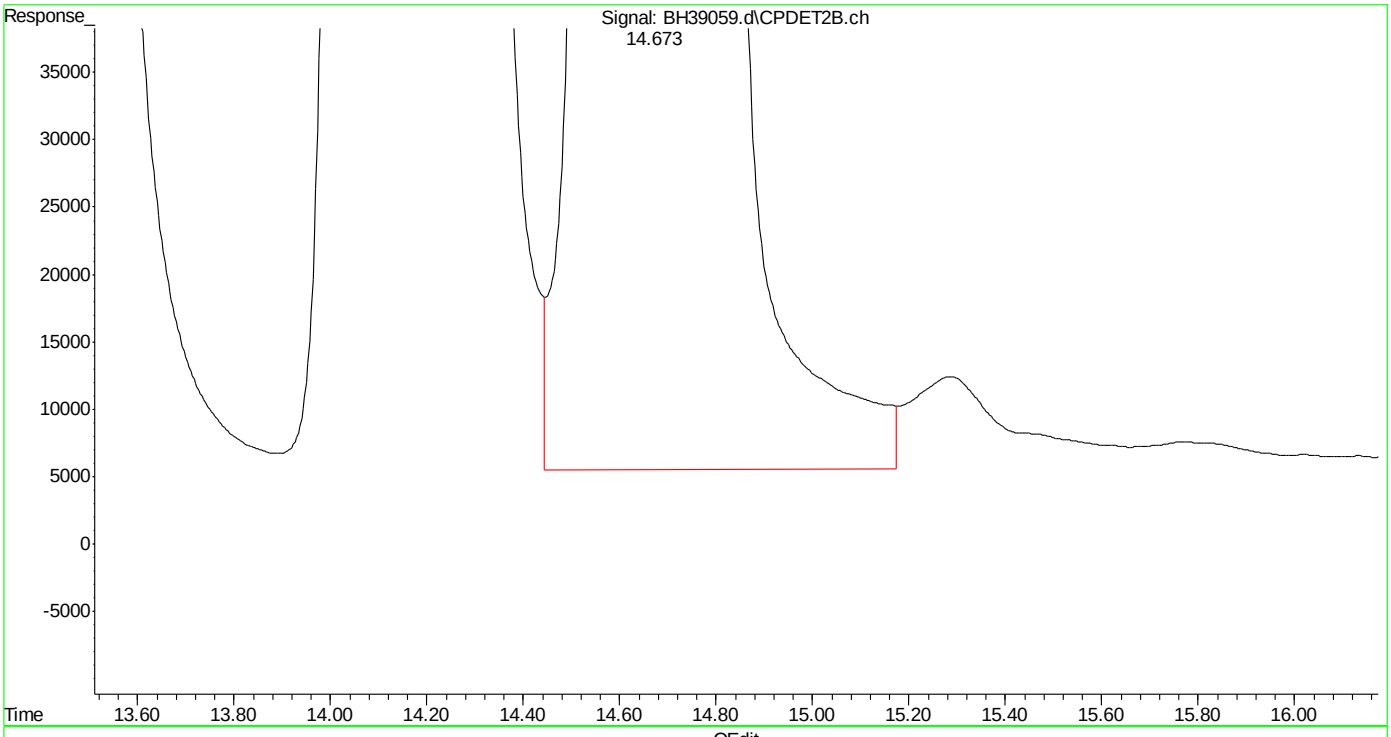
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:15 2016 Page: 1

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(25) fluorobenzene #2 (s)

14.674min 982.220 ppb

response 400036840

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:48:19 2016

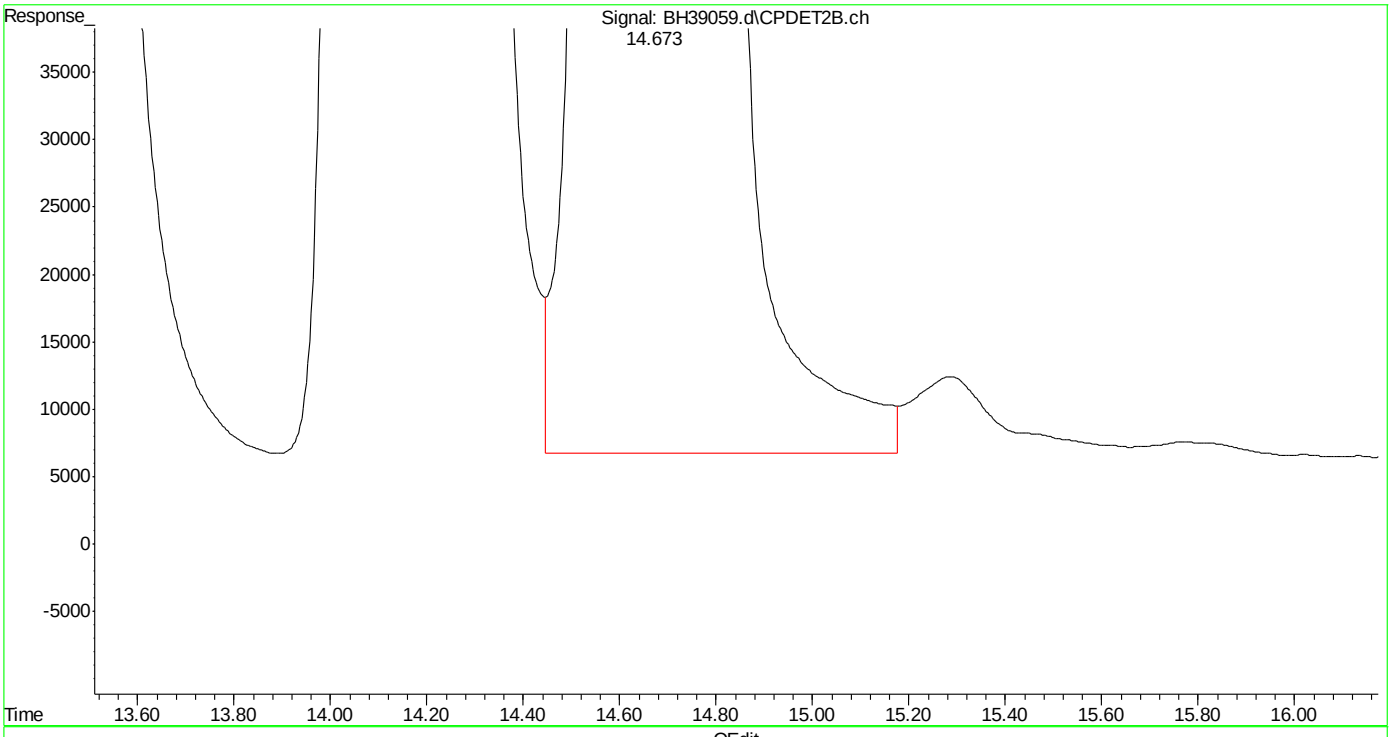
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.673min 980.960 ppb m
response 399523542

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:26 2016

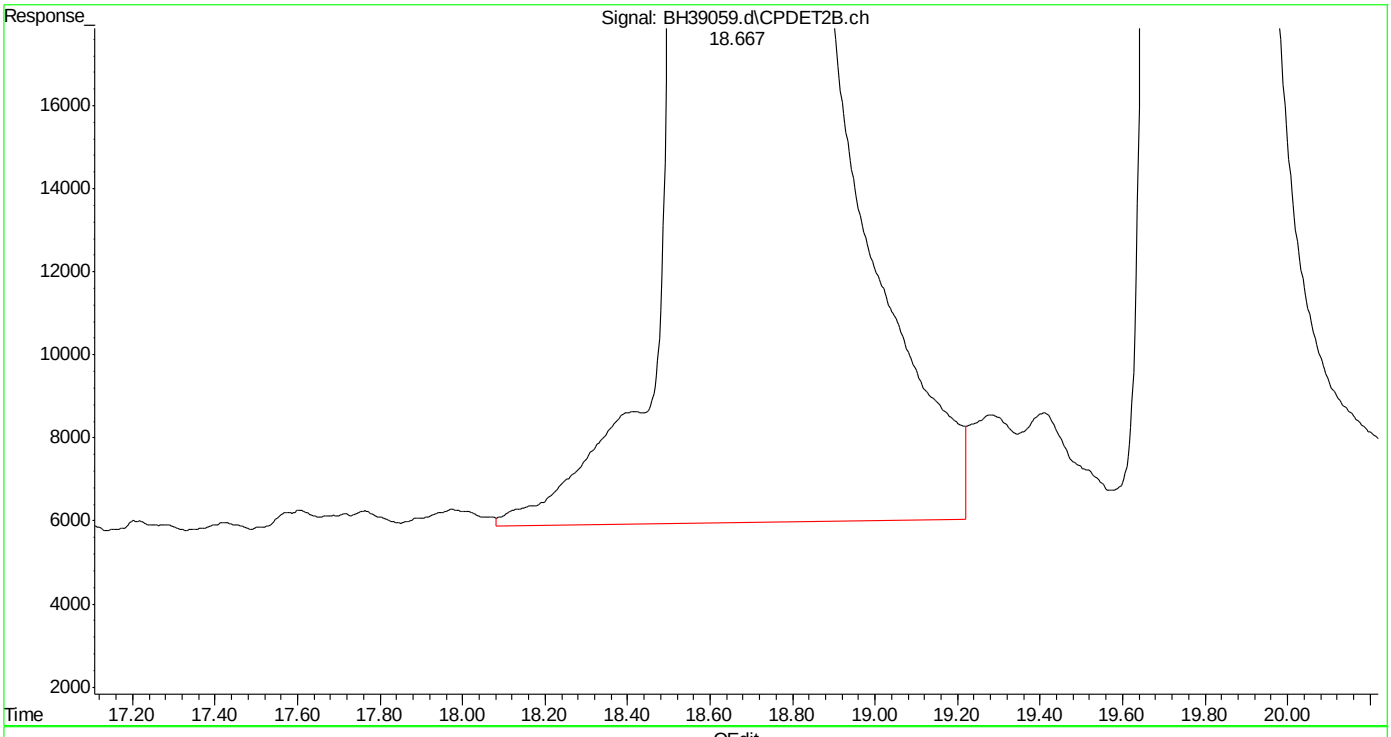
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.669min 979.132 ppb
response 605290000

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:37 2016

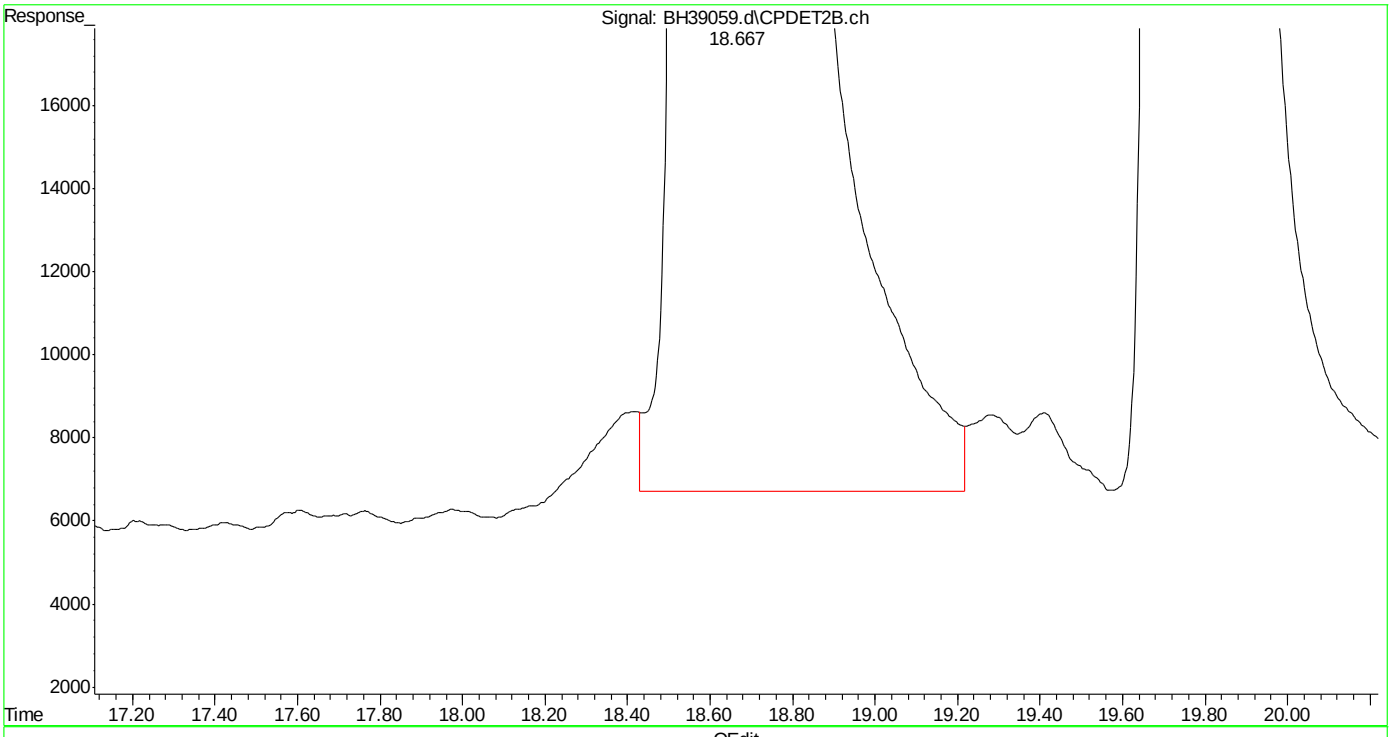
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.667min 978.136 ppb m
response 604674437

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:45 2016

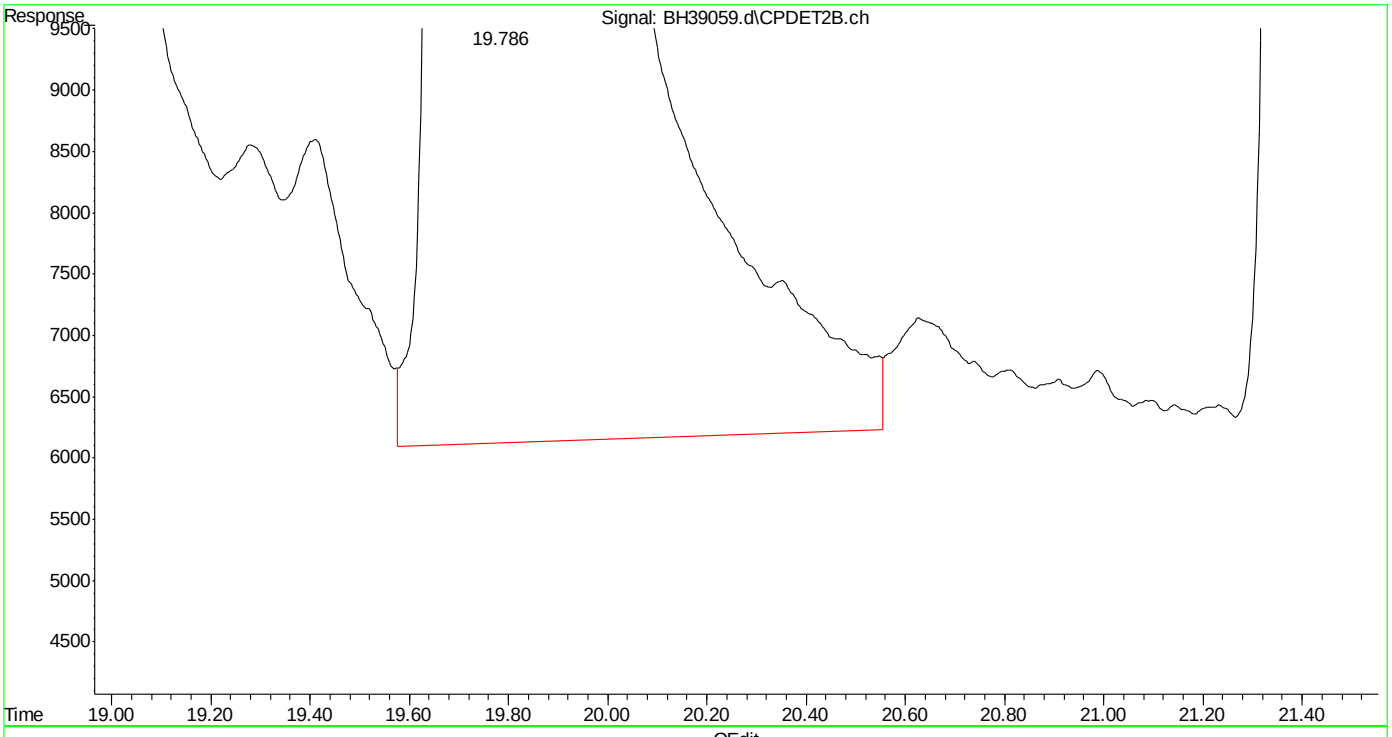
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.787min 992.334 ppb
response 252283169

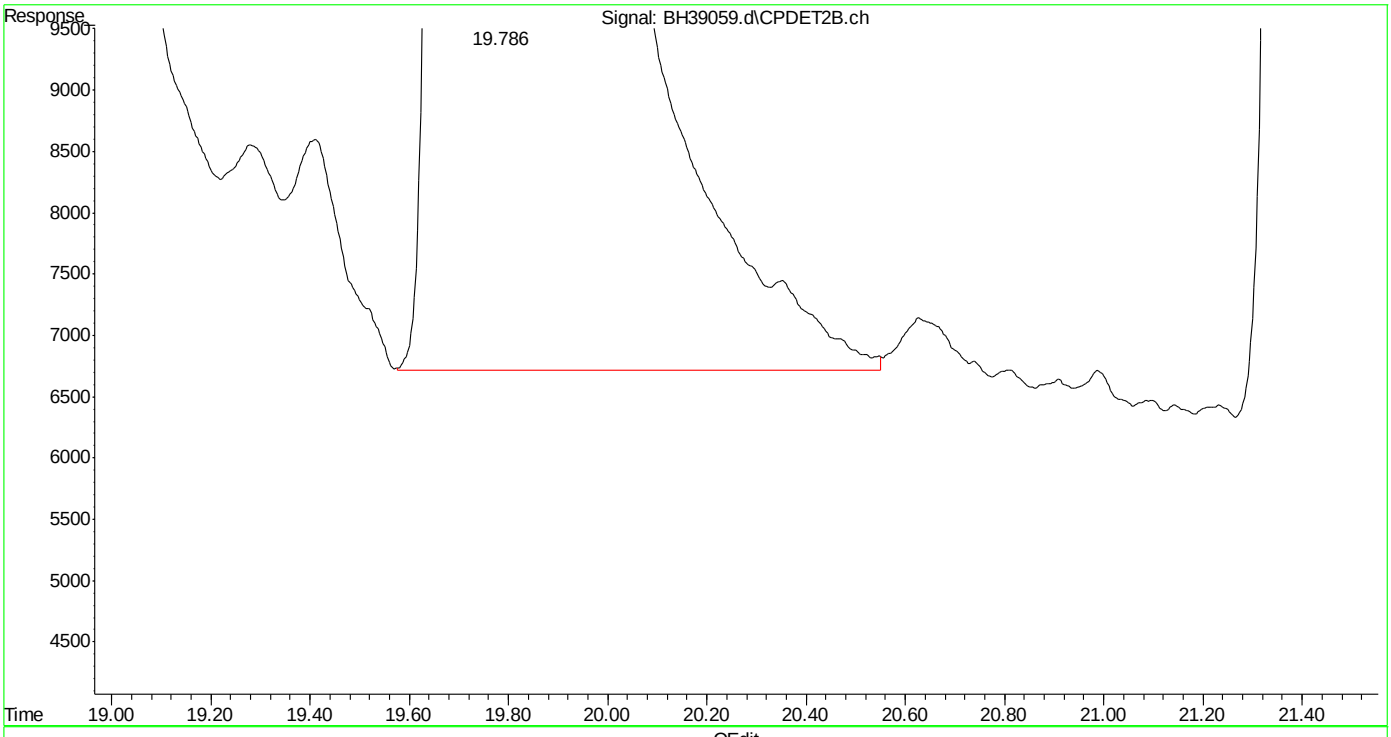
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:50 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 991.056 ppb m
response 251958217

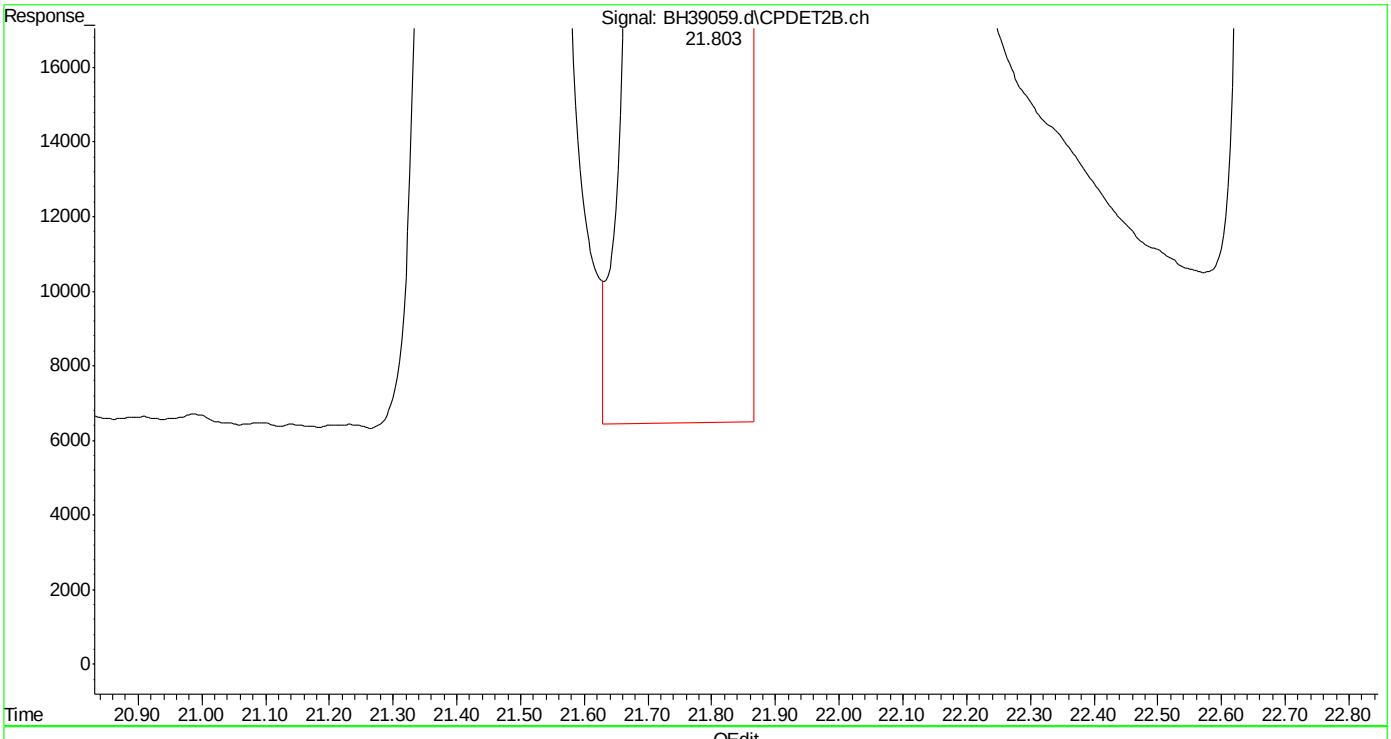
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:48:57 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.805min 1011.825 ppb
response 553007881

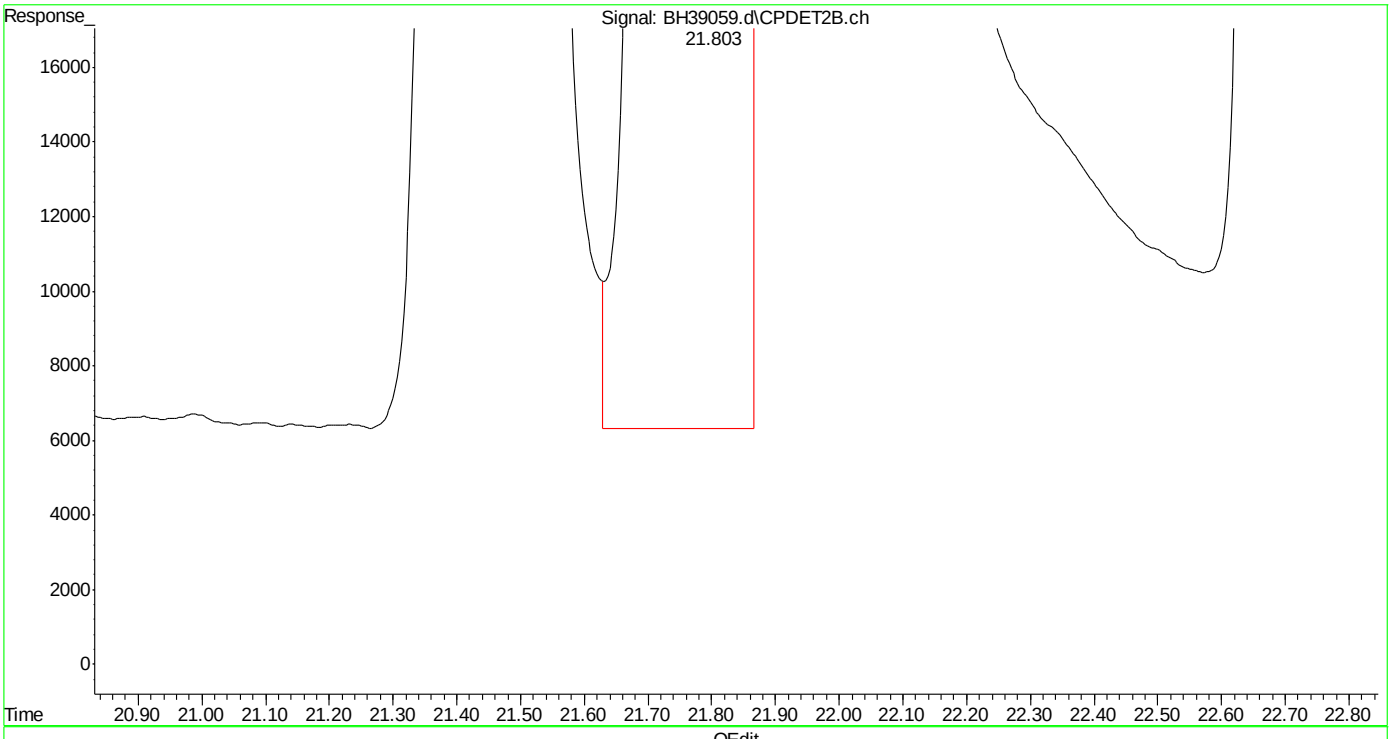
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.803min 1010.152 ppb m
response 552093381

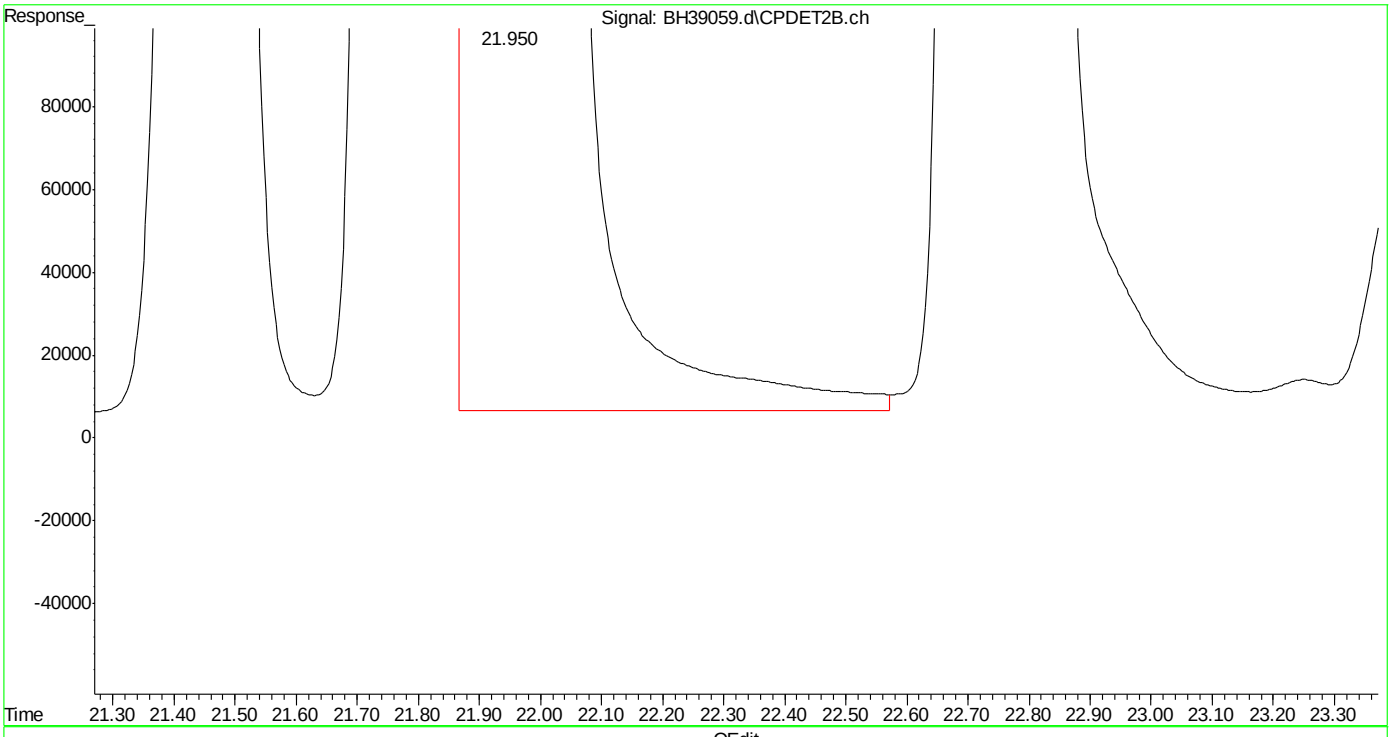
(+) = Expected Retention Time

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(29) m,p-xylene #2 (t)

21.951min 1944.399 ppb

response 1300888661

(+) = Expected Retention Time

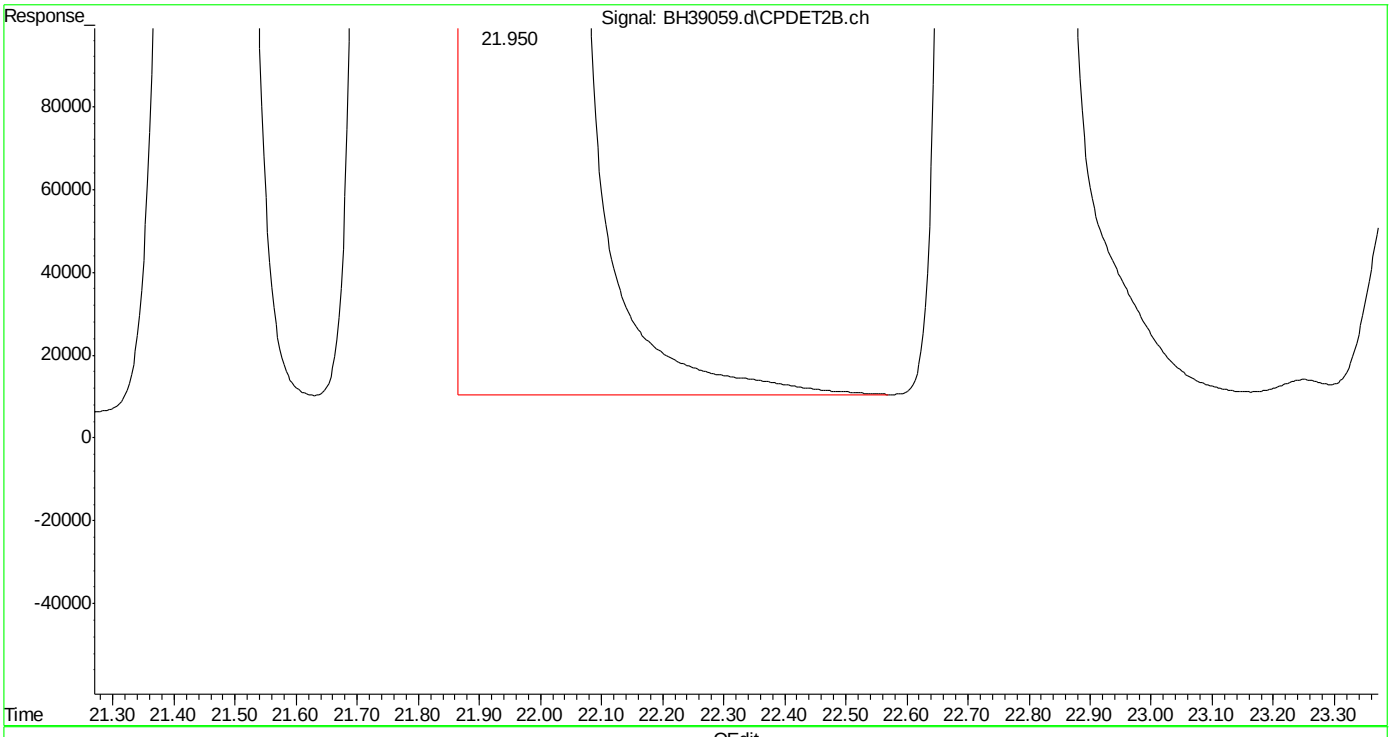
bh160420vphmaster.m Wed Apr 20 14:49:14 2016

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:03 am
Operator  : danielf
Sample    : ic2295-1000
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(29) m,p-xylene #2 (t)

21.950min 1946.022 ppb m

response 1301974870

(+) = Expected Retention Time

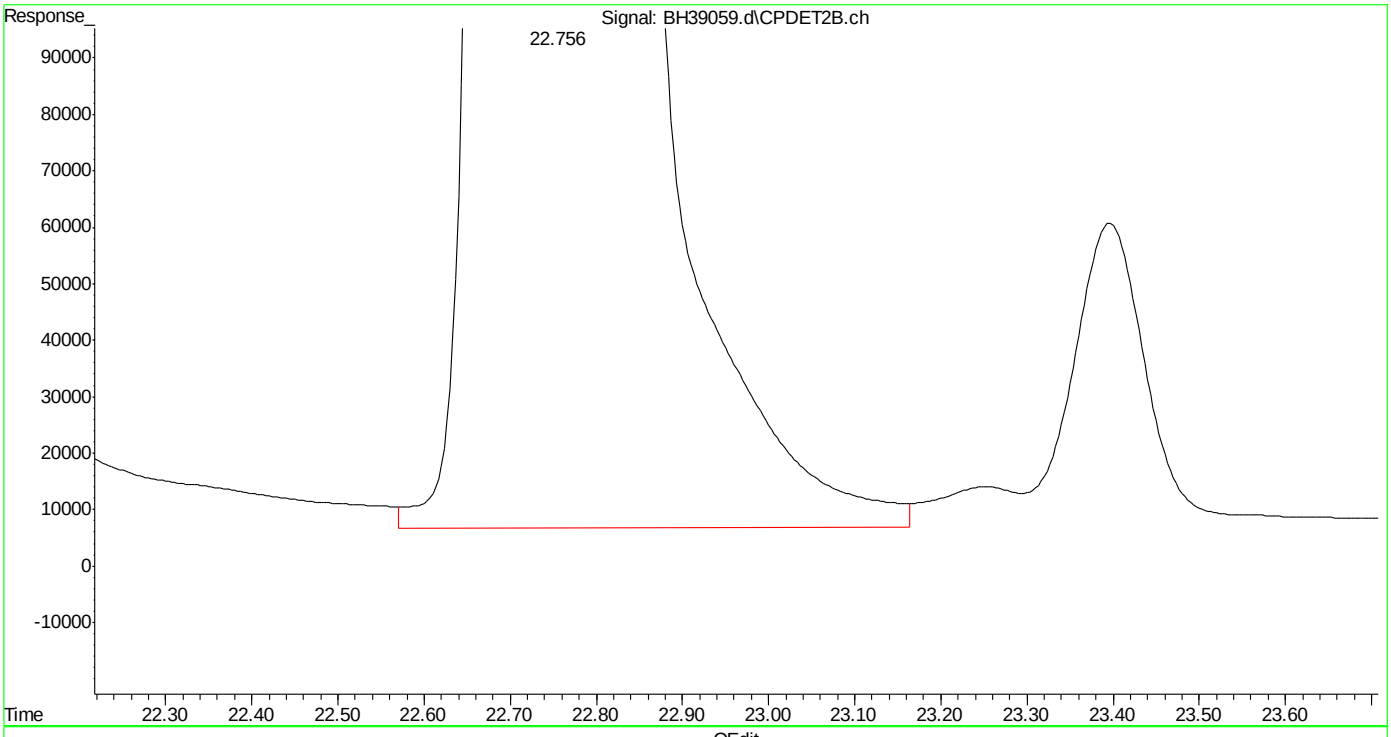
bh160420vphmaster.m Wed Apr 20 14:49:25 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.758min 985.838 ppb
response 574940704

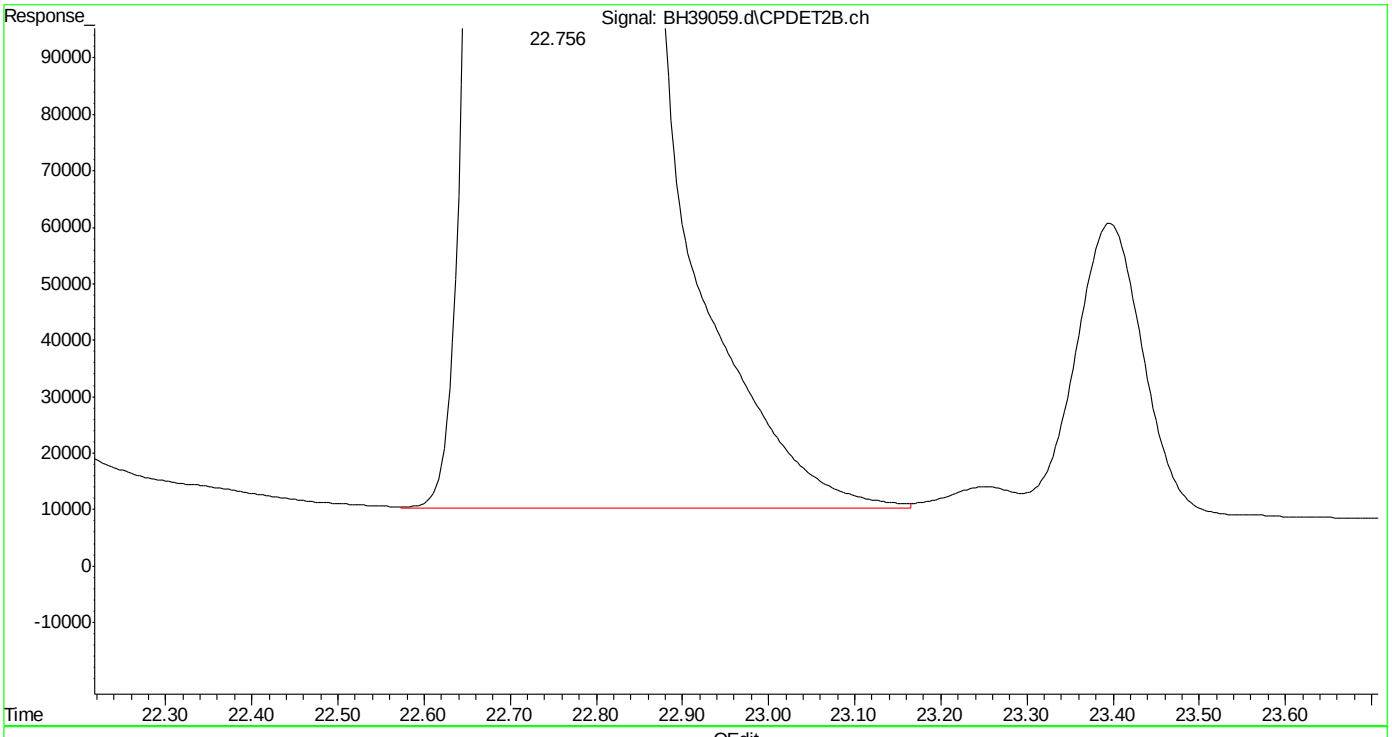
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:49:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.756min 983.737 ppb m
response 573715104

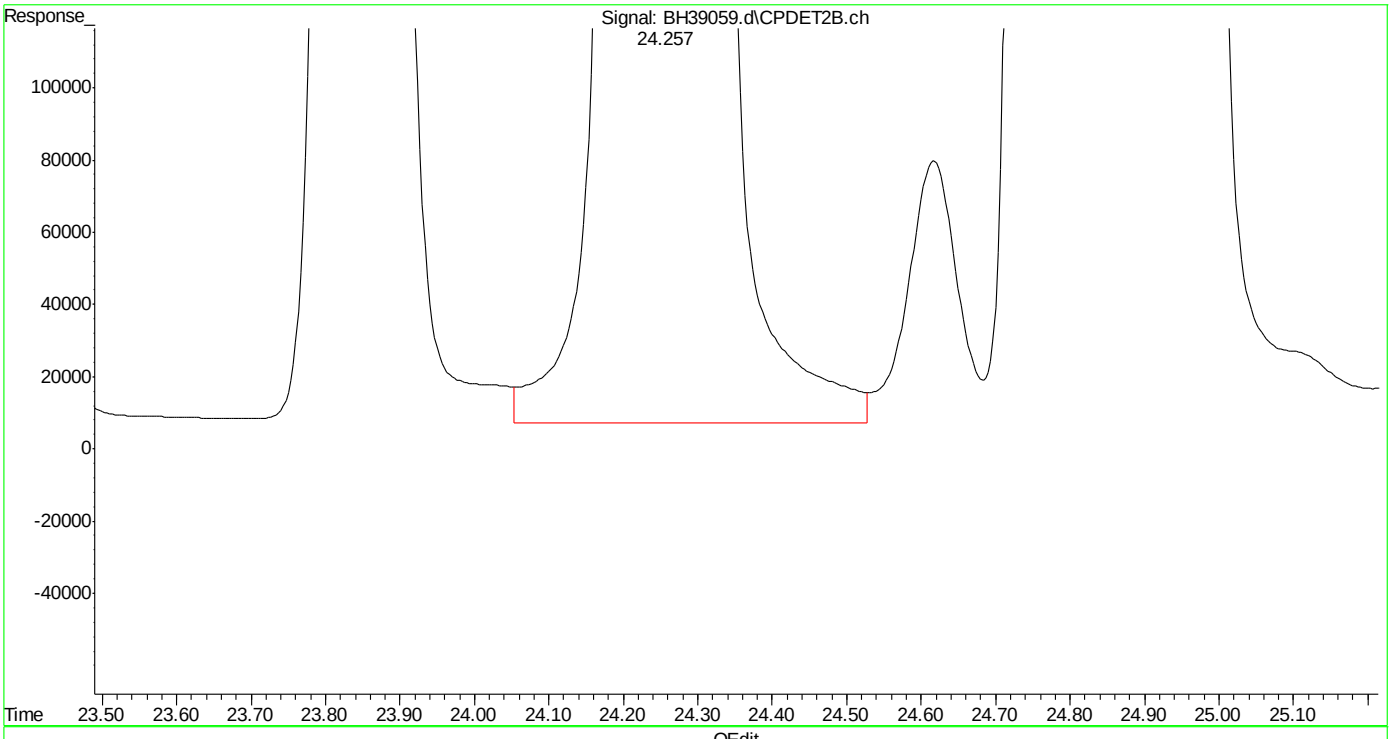
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.258min 940.277 ppb
response 791027836

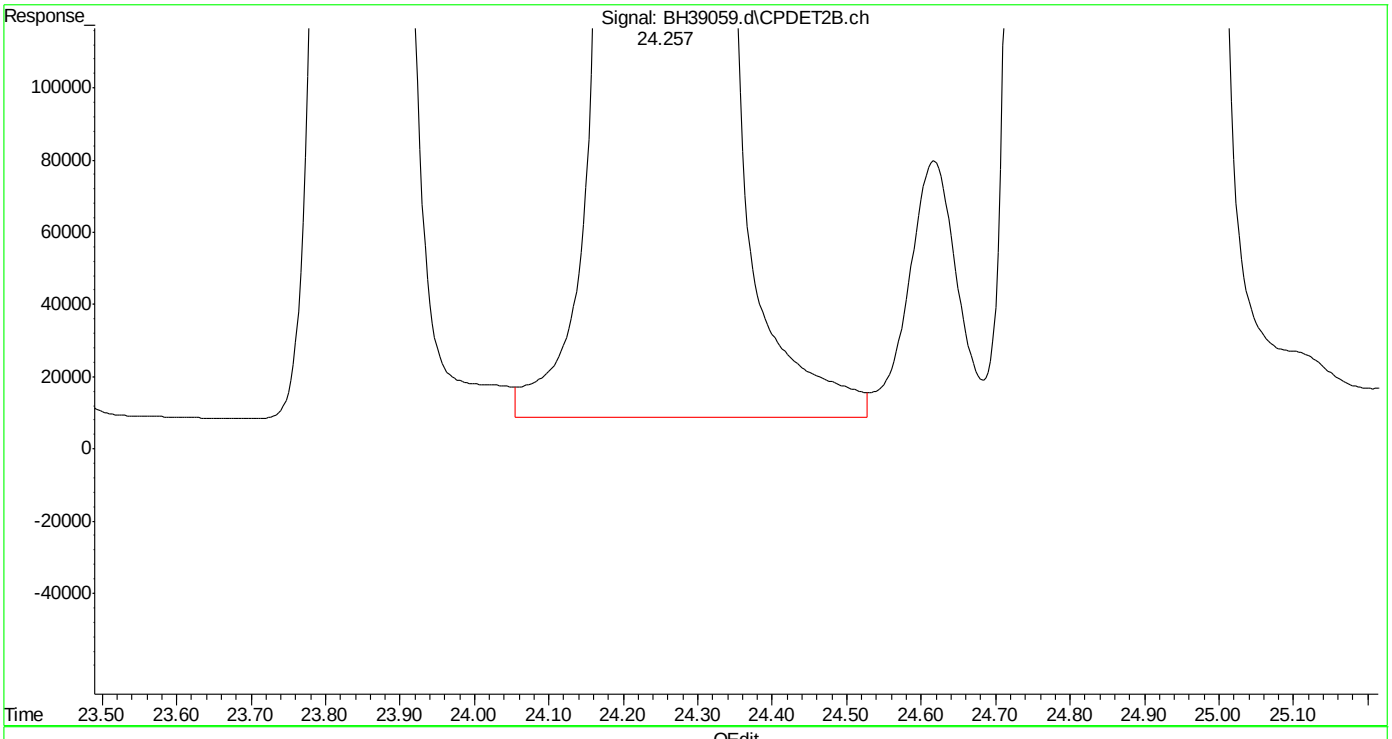
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:49:41 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.256min 939.809 ppb m
response 790634138

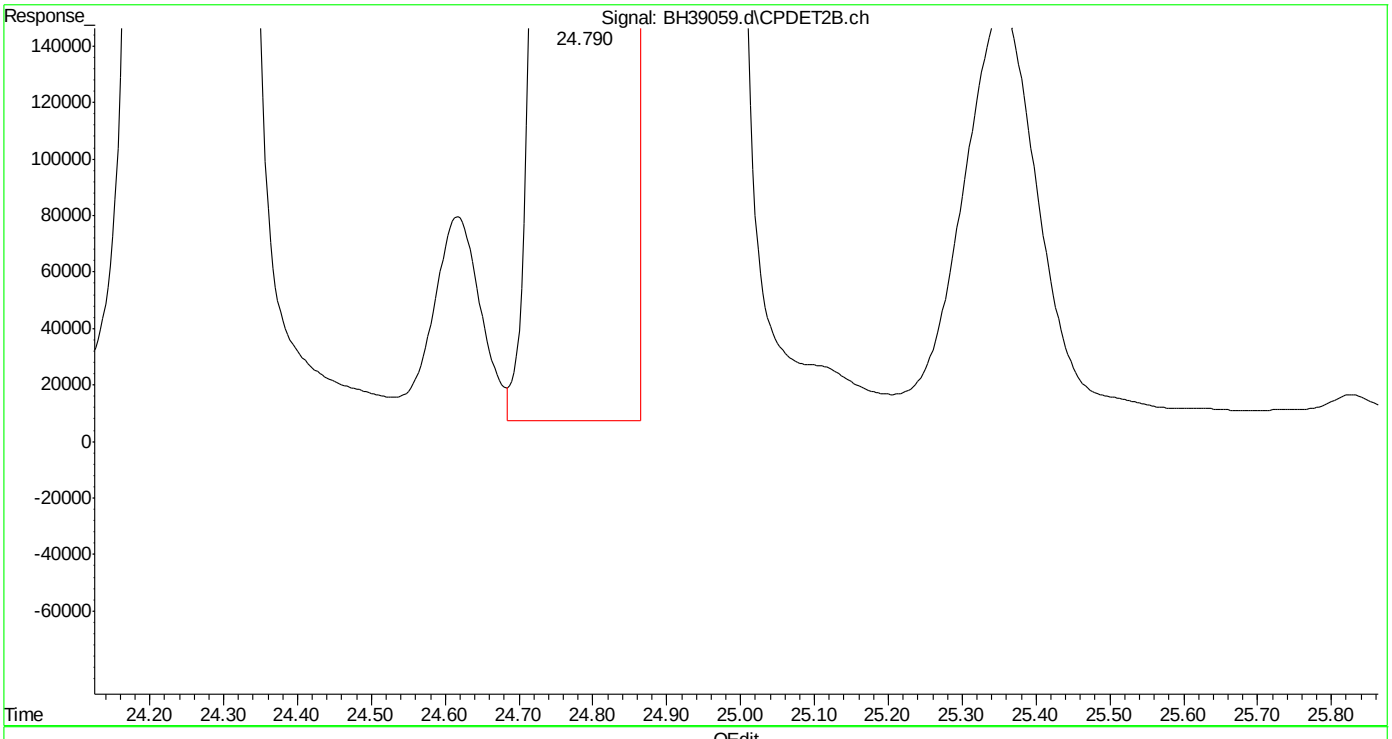
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:49:53 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.792min 930.380 ppb
response 604116878

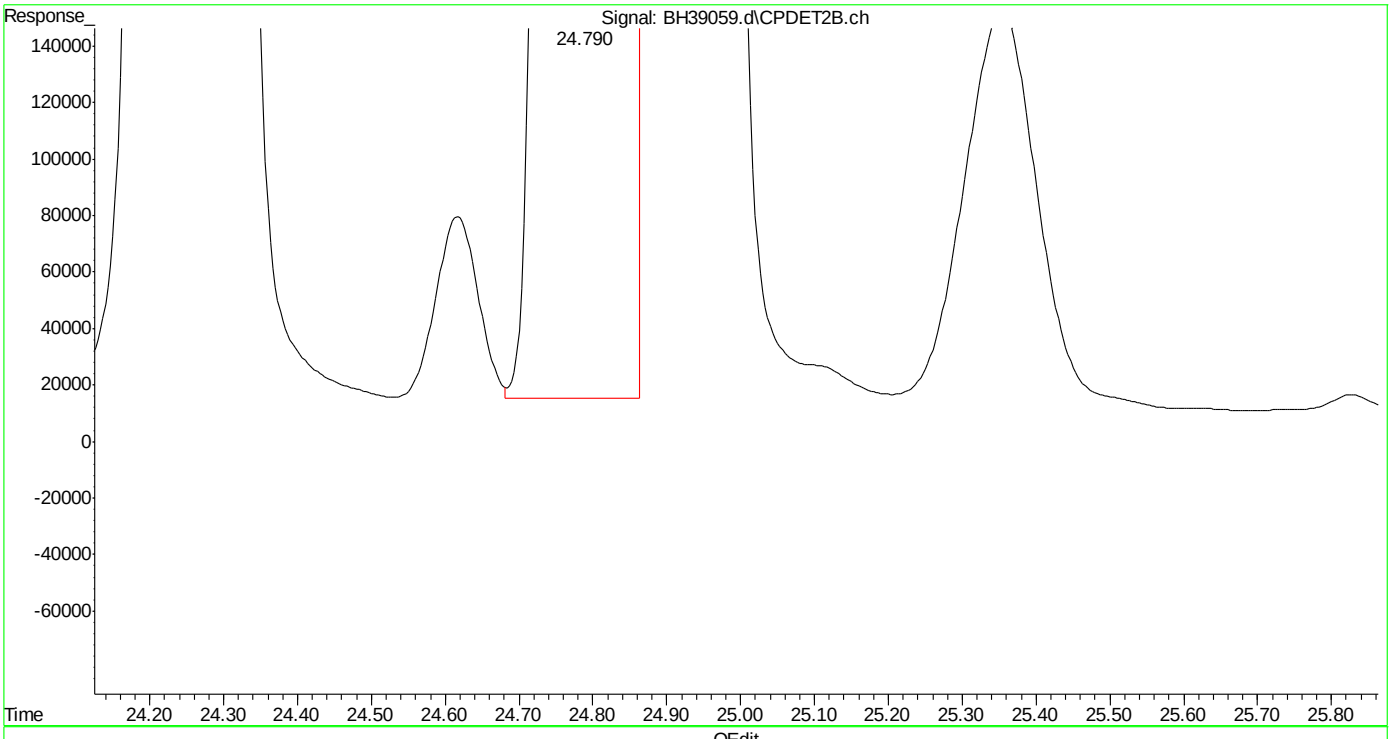
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.790min 927.912 ppb m
response 602514656

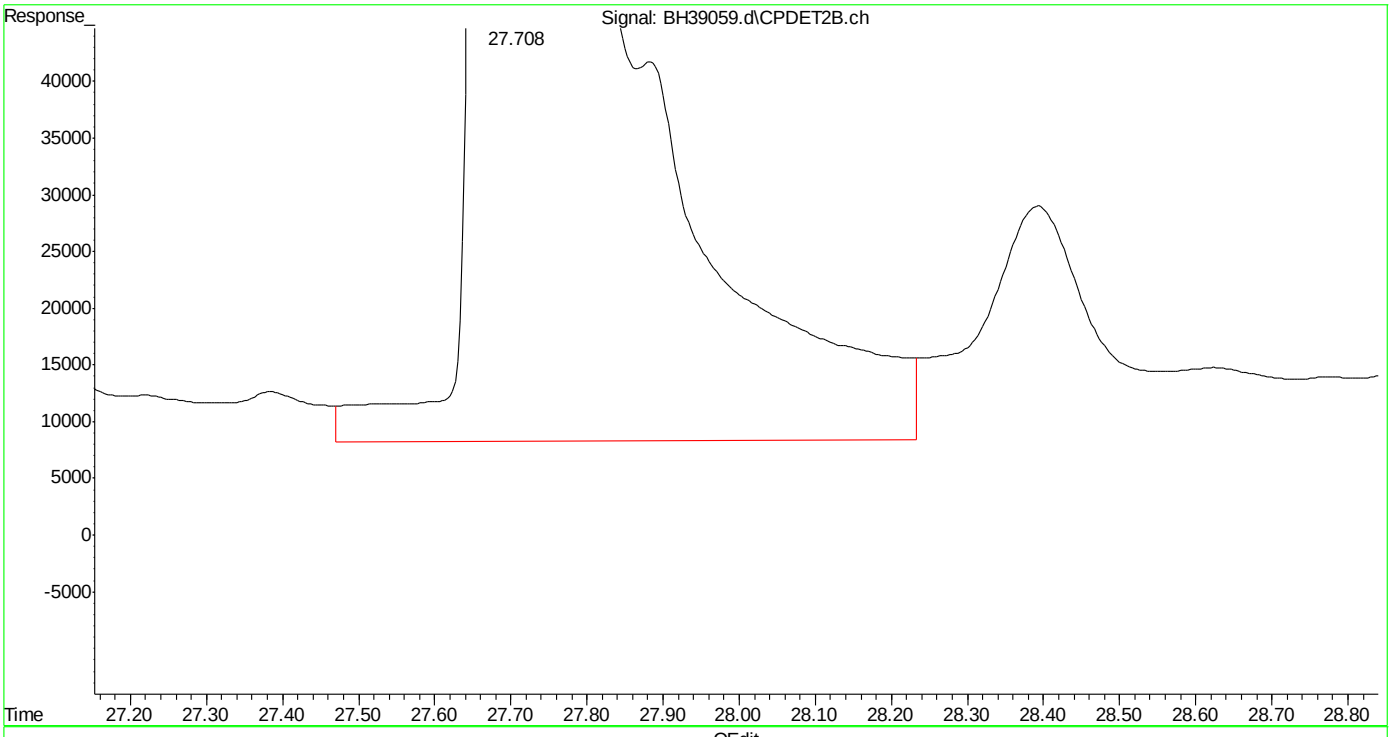
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:50:03 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.709min 812.702 ppb
response 453906735

(+) = Expected Retention Time

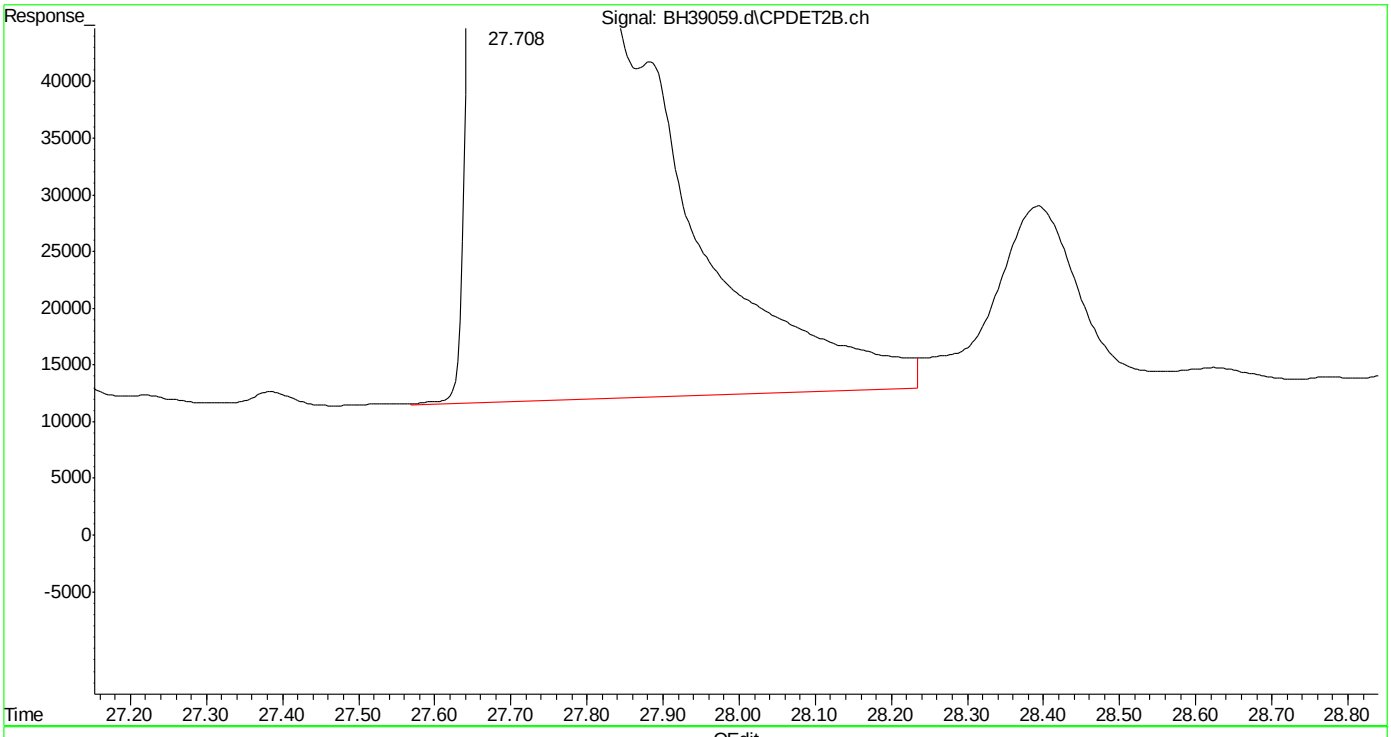
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39059.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:03 am
Operator : danielf
Sample : ic2295-1000
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:44:22 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:43:49 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 809.581 ppb m
response 452163550

(+) = Expected Retention Time

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:43:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) s fluorobenzene	14.671	461690194	491.085	ppb	m
Spiked Amount 50.000		Recovery = 982.17%			
9) s 2,3,4-trifluorotoluene	19.785	393170341	482.185	ppb	m
Spiked Amount 50.000		Recovery = 964.37%			
25) s fluorobenzene #2	14.670	201631236	494.374	ppb	m
Spiked Amount 50.000		Recovery = 988.75%			
27) s 2,3,4-trifluorotoluen...	19.785	124101670	486.495	ppb	m
Spiked Amount 50.000		Recovery = 972.99%			
Target Compounds					
1) h rt5.5-7	5.980	439813710	483.004	ppb	m
2) h rt7/10	8.250	488286377	477.549	ppb	m
3) t mtbe	9.014	296835088	473.631	ppb	m
4) h rt10/13	13.360	504235972	402.926	ppb	m
5) t benzene	14.170	584954609	483.098	ppb	
8) t toluene	18.666	598684560	492.564	ppb	m
11) h rt20/25	21.460	564756694	485.715	ppb	m
13) t ethylbenzene	21.801	606162413	505.663	ppb	m
14) t m,p-xylene	21.946	1267975817	1009.276	ppb	m
15) t o-xylene	22.755	640094130	499.097	ppb	m
16) h decane	23.856	589235505	498.974	ppb	m
17) t 1,3,5-trimethylbenzene	24.255	650427688	480.783	ppb	m
18) t 1,2,4-trimethylbenzene	24.790	638100435	464.629	ppb	m
19) h butylcyclohexane	24.940	613389026	482.581	ppb	m
20) t naphthalene	27.709	352846203	416.982	ppb	m
23) t mtbe #2	9.016	137613702	481.937	ppb	m
24) t benzene #2	14.169	318365520	478.763	ppb	m
26) t toluene #2	18.666	302027483	486.976	ppb	m
28) t ethylbenzene #2	21.800	274657681	502.899	ppb	m
29) t m,p-xylene #2	21.945	655811356	977.459	ppb	m
30) t o-xylene #2	22.755	286487107	490.006	ppb	m
31) t 1,3,5-trimethylbenzen...	24.254	399252346	471.160	ppb	m
32) t 1,2,4-trimethylbenzen...	24.789	303447138	463.006	ppb	m
33) t naphthalene #2	27.708	231271820	404.162	ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	302363491	461.254	ppb	m

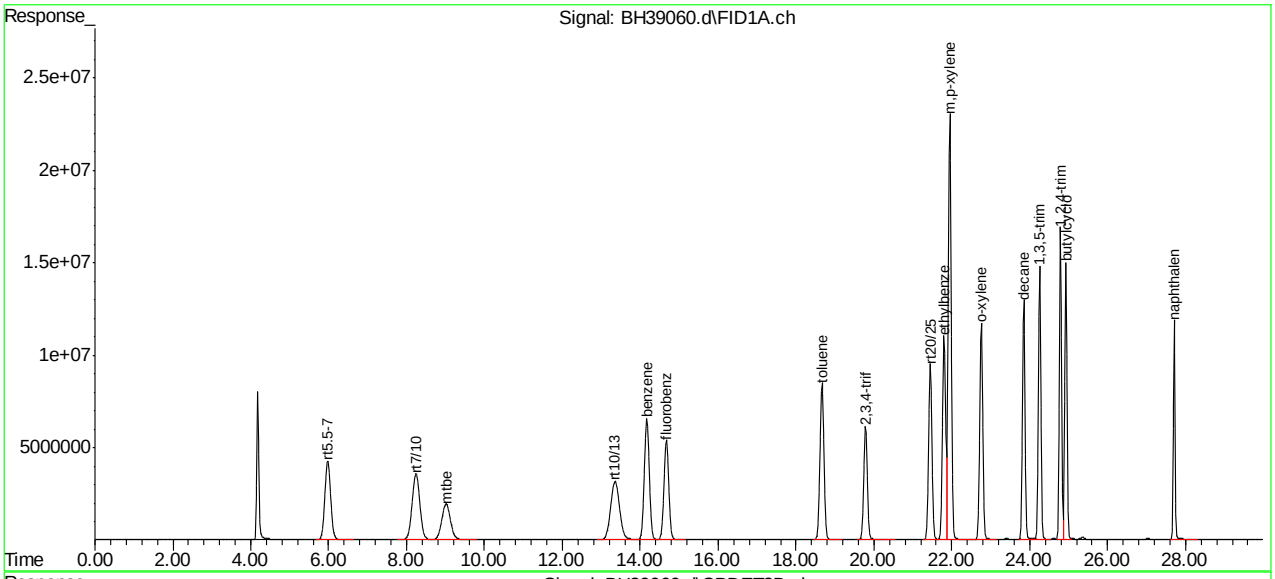
(f)=RT Delta > 1/2 Window (m)=manual int.

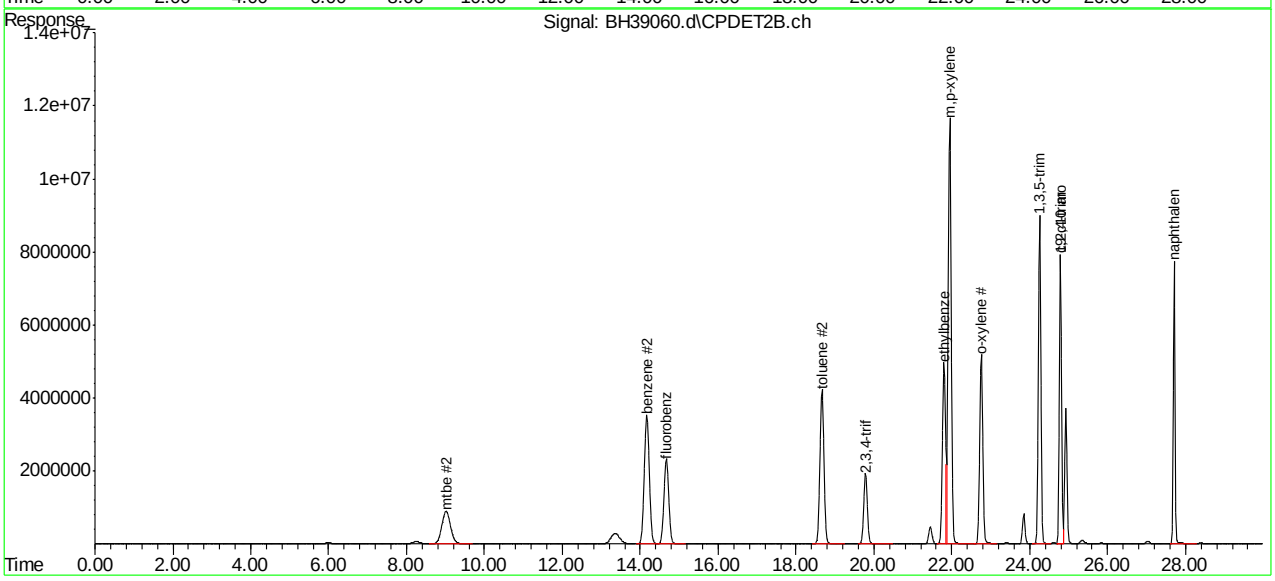
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

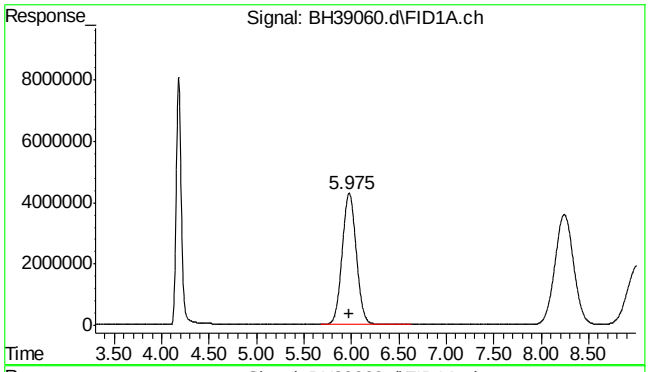
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:43:34 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



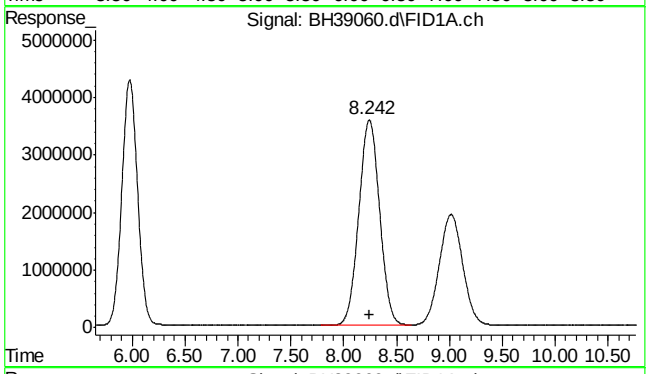


SGS ACCUTEST MC45857



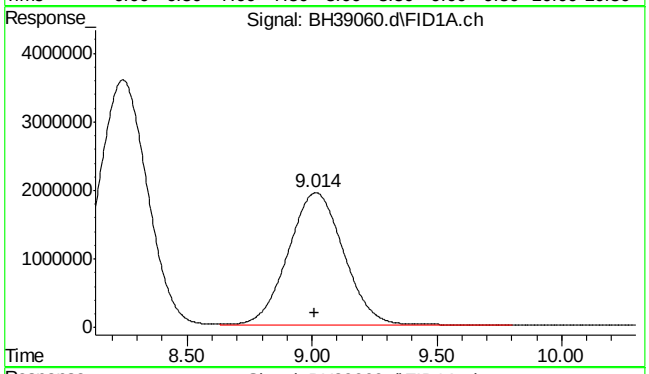
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 439813710
Conc: 483.00 ppb m



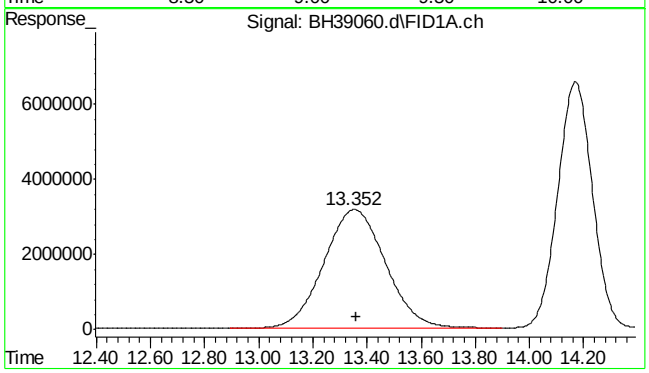
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 488286377
Conc: 477.55 ppb m



#3 mtbe

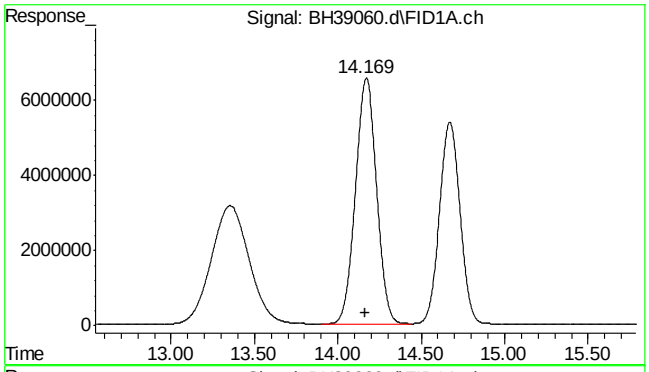
R.T.: 9.014 min
Delta R.T.: 0.001 min
Response: 296835088
Conc: 473.63 ppb m



#4 rt10/13

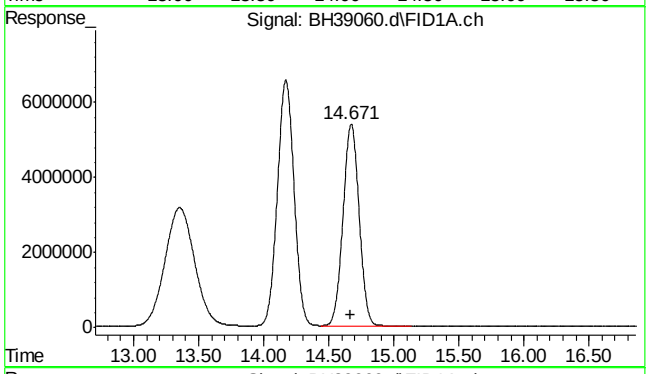
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 504235972
Conc: 402.93 ppb m

SGS ACCUTEST MC45857



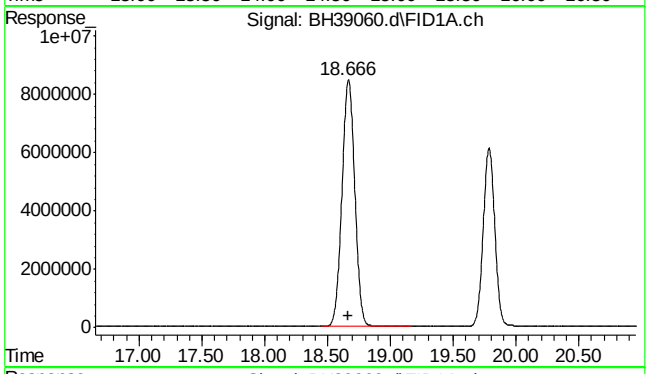
#5 benzene

R.T.: 14.170 min
Delta R.T.: 0.004 min
Response: 584954609
Conc: 483.10 ppb



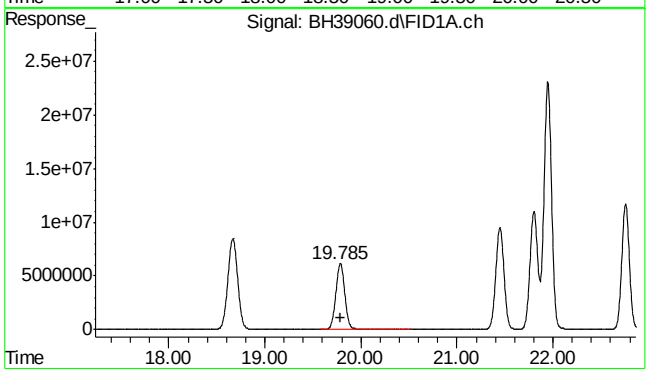
#6 fluorobenzene

R.T.: 14.671 min
Delta R.T.: 0.002 min
Response: 461690194
Conc: 491.09 ppb m



#8 toluene

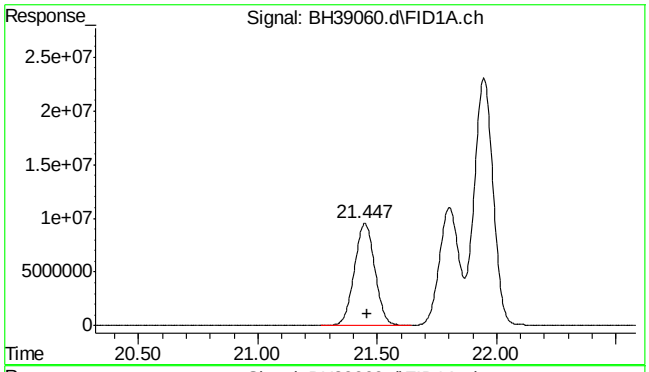
R.T.: 18.666 min
Delta R.T.: 0.002 min
Response: 598684560
Conc: 492.56 ppb m



#9 2,3,4-trifluorotoluene

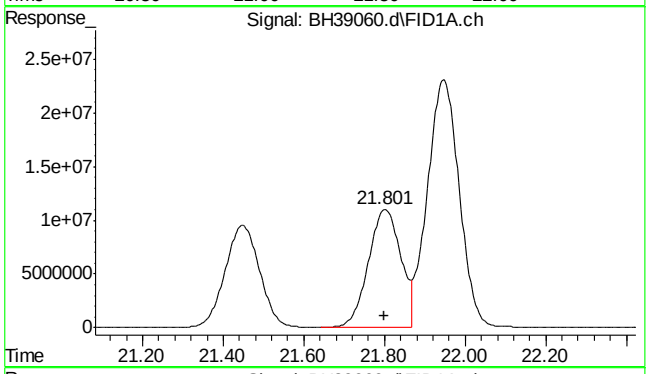
R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 393170341
Conc: 482.18 ppb m

SGS ACCUTEST MC45857



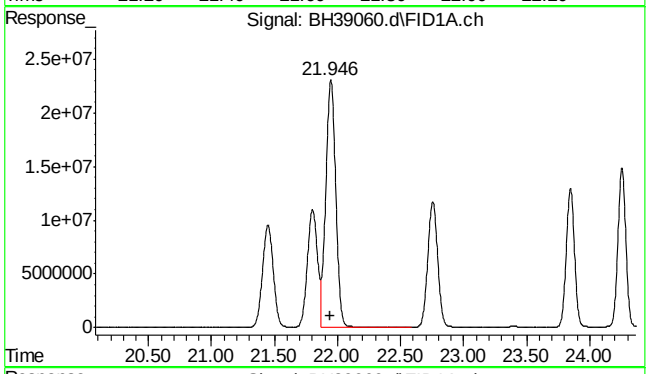
#11 rt20/25

```
      R.T.:   21.460 min
Delta R.T.:    0.000 min
  Response: 564756694
      Conc: 485.71 ppb m
```



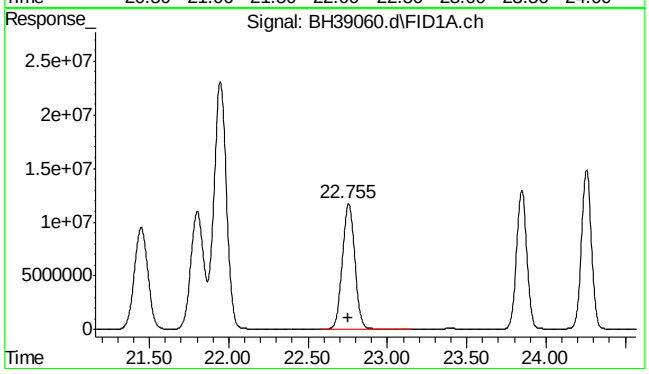
#13 ethylbenzene

```
      R.T.:   21.801 min
Delta R.T.:    0.003 min
  Response: 606162413
      Conc: 505.66 ppb m
```



#14 m,p-xylene

```
      R.T.:   21.946 min
Delta R.T.:    0.004 min
  Response: 1267975817
      Conc: 1009.28 ppb m
```



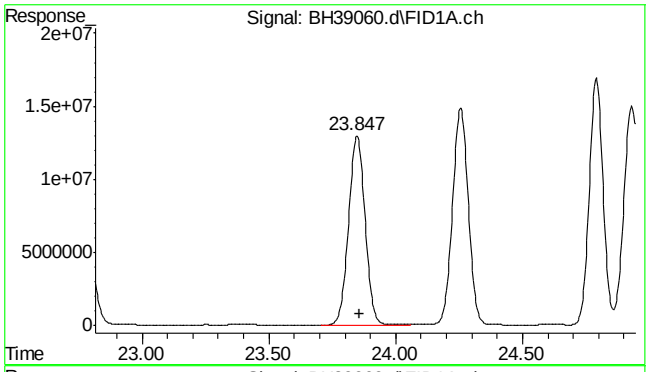
#15 o-xylene

```
      R.T.:   22.755 min
Delta R.T.:    0.002 min
  Response: 640094130
      Conc: 499.10 ppb m
```

7.5.2

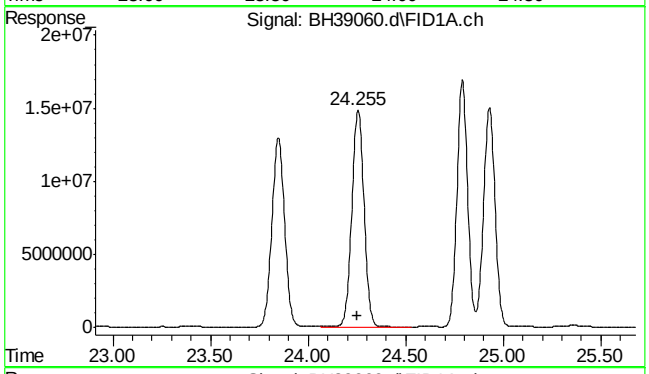
7

SGS ACCUTEST MC45857



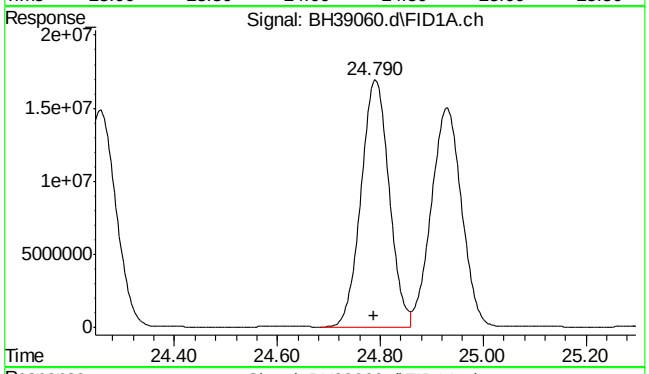
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 589235505
Conc: 498.97 ppb m



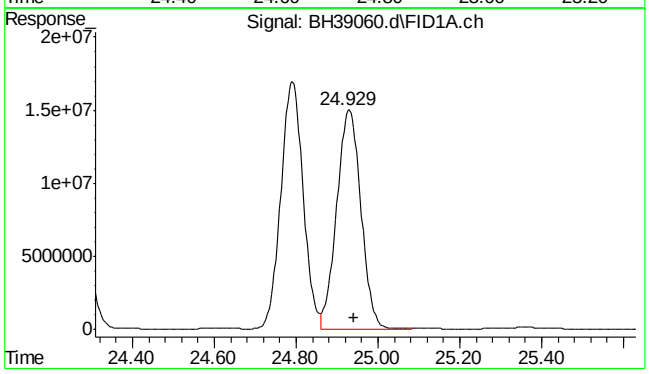
#17 1,3,5-trimethylbenzene

R.T.: 24.255 min
Delta R.T.: 0.003 min
Response: 650427688
Conc: 480.78 ppb m



#18 1,2,4-trimethylbenzene

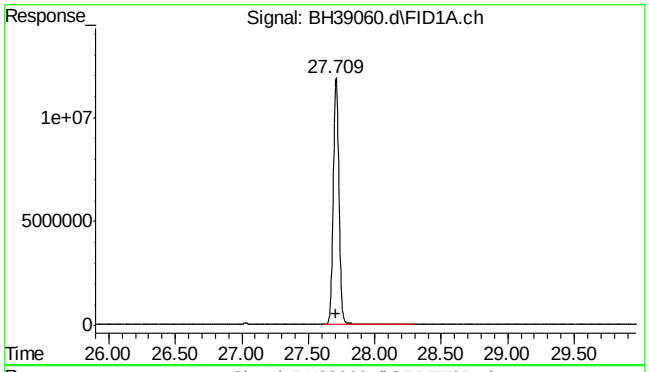
R.T.: 24.790 min
Delta R.T.: 0.002 min
Response: 638100435
Conc: 464.63 ppb m



#19 butylcyclohexane

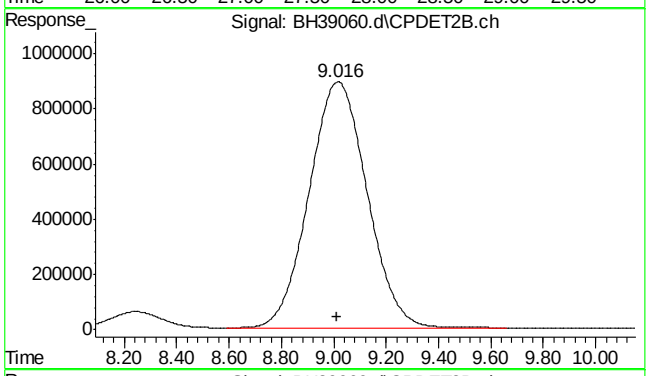
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 613389026
Conc: 482.58 ppb m

SGS ACCUTEST MC45857



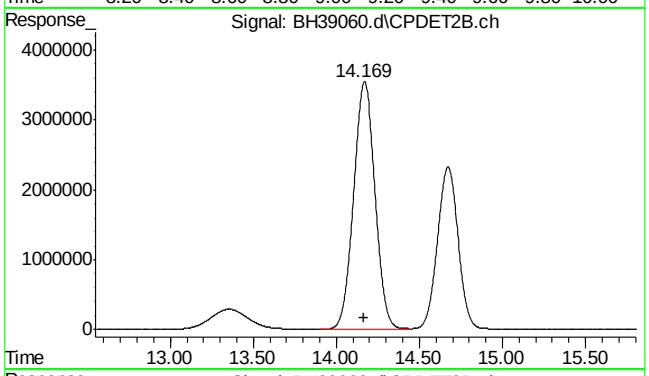
#20 naphthalene

R.T.: 27.709 min
Delta R.T.: 0.002 min
Response: 352846203
Conc: 416.98 ppb m



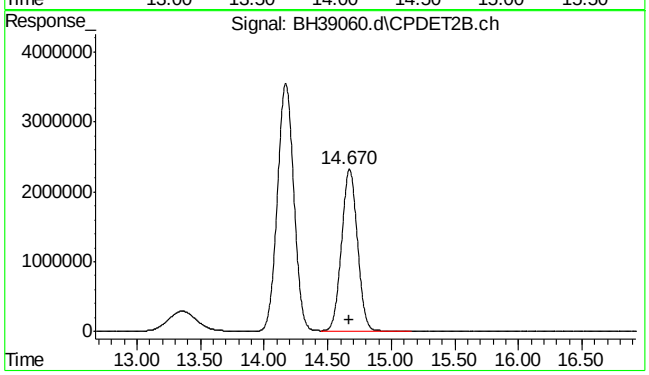
#23 mtbe #2

R.T.: 9.016 min
Delta R.T.: 0.003 min
Response: 137613702
Conc: 481.94 ppb m



#24 benzene #2

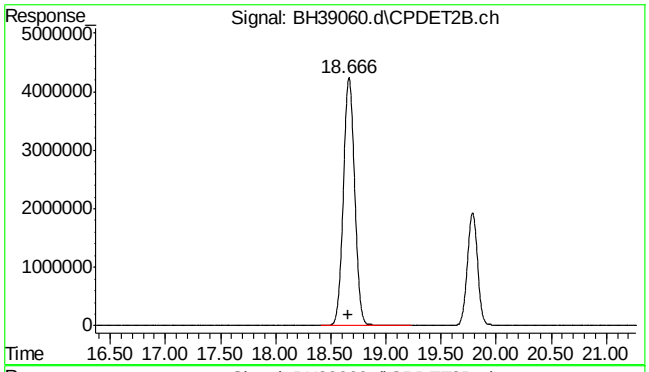
R.T.: 14.169 min
Delta R.T.: 0.003 min
Response: 318365520
Conc: 478.76 ppb m



#25 fluorobenzene #2

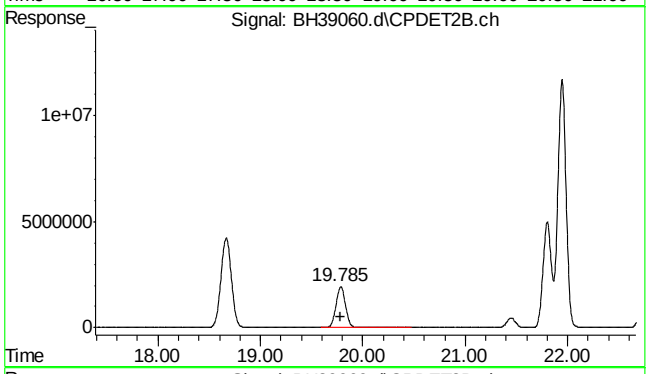
R.T.: 14.670 min
Delta R.T.: 0.002 min
Response: 201631236
Conc: 494.37 ppb m

SGS ACCUTEST MC45857



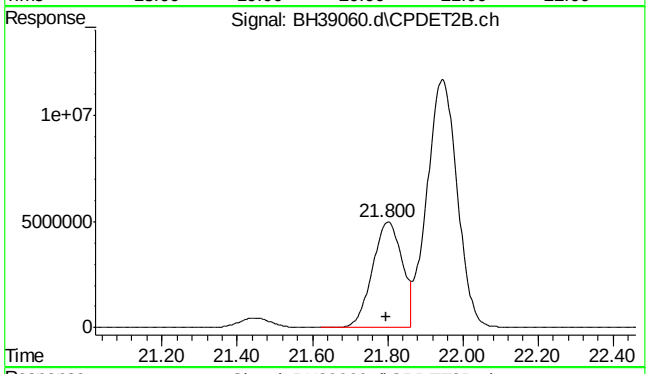
#26 toluene #2

R.T.: 18.666 min
Delta R.T.: 0.002 min
Response: 302027483
Conc: 486.98 ppb m



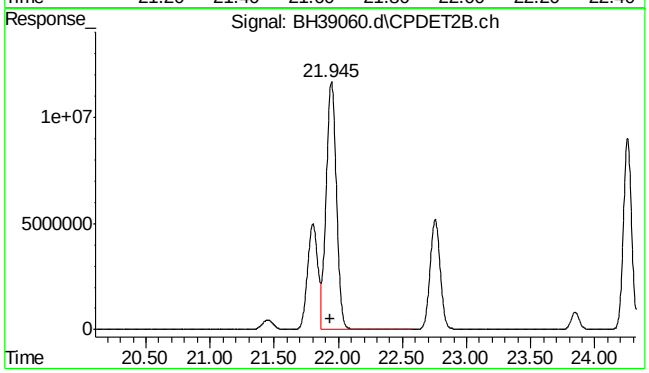
#27 2,3,4-trifluorotoluene #2

R.T.: 19.785 min
Delta R.T.: 0.000 min
Response: 124101670
Conc: 486.50 ppb m



#28 ethylbenzene #2

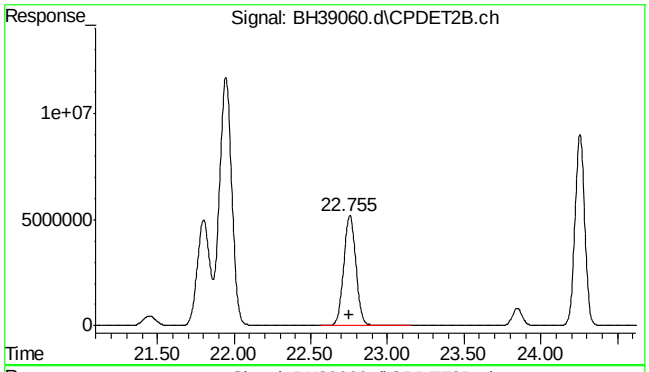
R.T.: 21.800 min
Delta R.T.: 0.003 min
Response: 274657681
Conc: 502.90 ppb m



#29 m,p-xylene #2

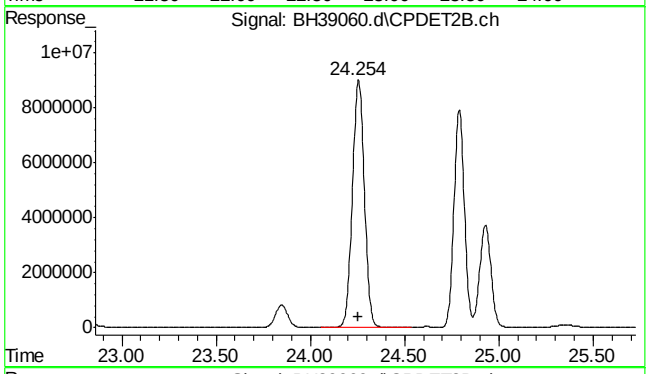
R.T.: 21.945 min
Delta R.T.: 0.004 min
Response: 655811356
Conc: 977.46 ppb m

SGS ACCUTEST MC45857



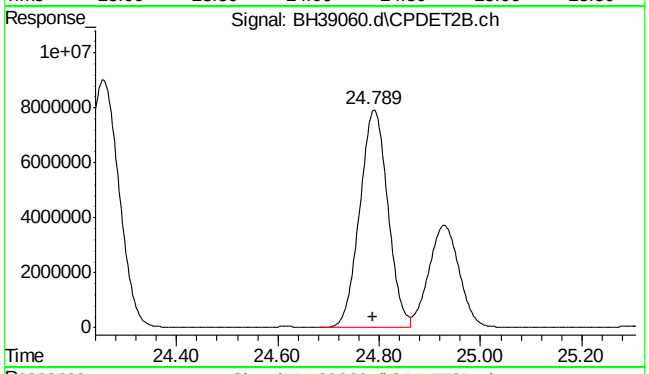
#30 o-xylene #2

R.T.: 22.755 min
Delta R.T.: 0.002 min
Response: 286487107
Conc: 490.01 ppb m



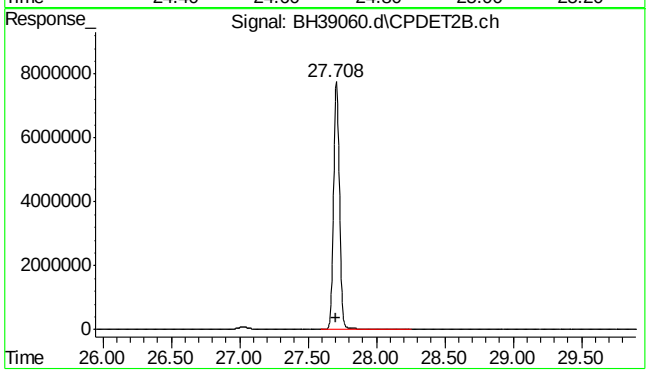
#31 1,3,5-trimethylbenzene #2

R.T.: 24.254 min
Delta R.T.: 0.002 min
Response: 399252346
Conc: 471.16 ppb m



#32 1,2,4-trimethylbenzene #2

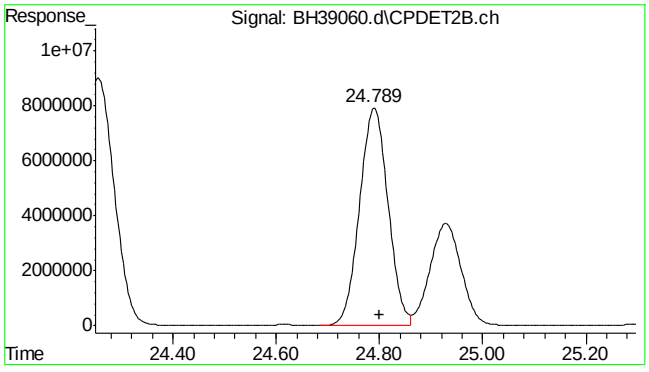
R.T.: 24.789 min
Delta R.T.: 0.002 min
Response: 303447138
Conc: 463.01 ppb m



#33 naphthalene #2

R.T.: 27.708 min
Delta R.T.: 0.002 min
Response: 231271820
Conc: 404.16 ppb m

SGS ACCUTEST MC45857




```
#34  c9-c10 arom as 1,2,4-tmb

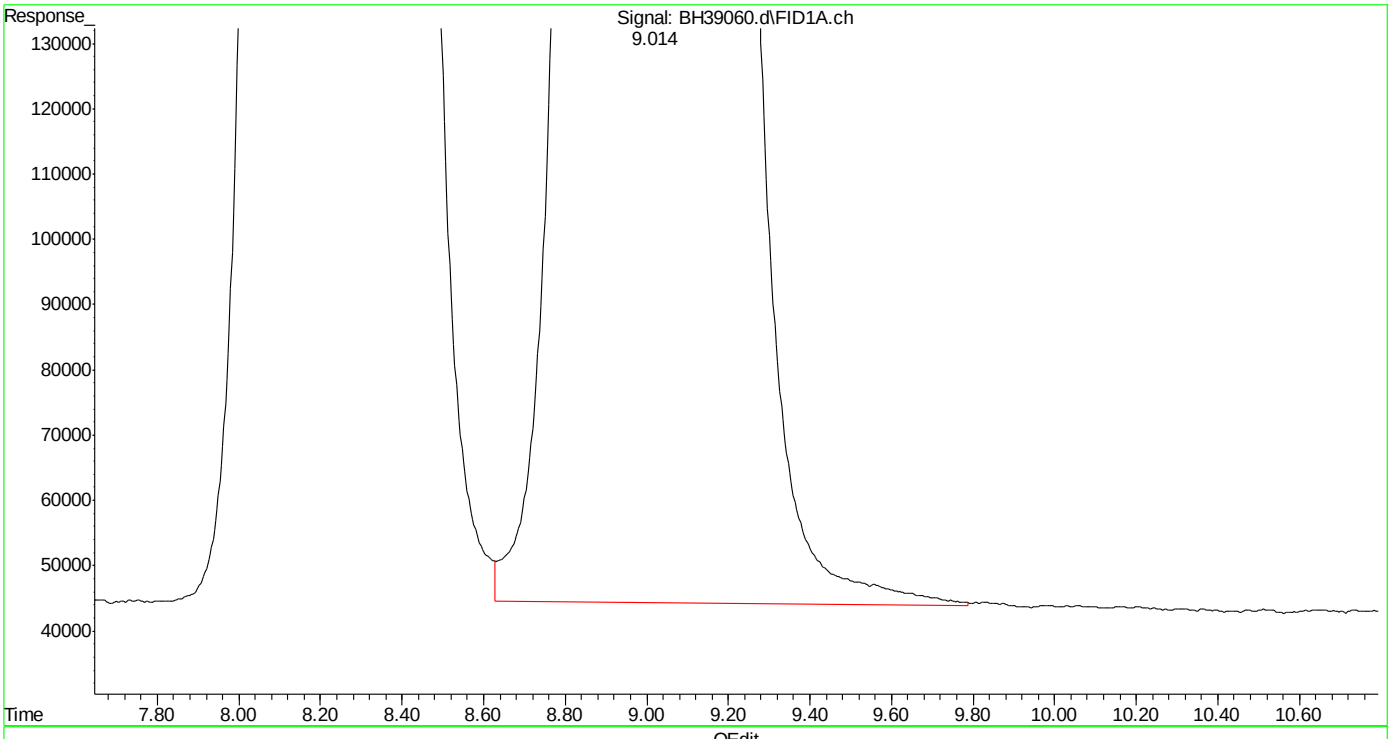
      R.T.:   24.800 min
Delta R.T.:    0.000 min
  Response: 302363491
      Conc: 461.25 ppb m
```

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 10:14:42 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 06 14:30:22 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.014min 592.308 ppb m
response 296673938

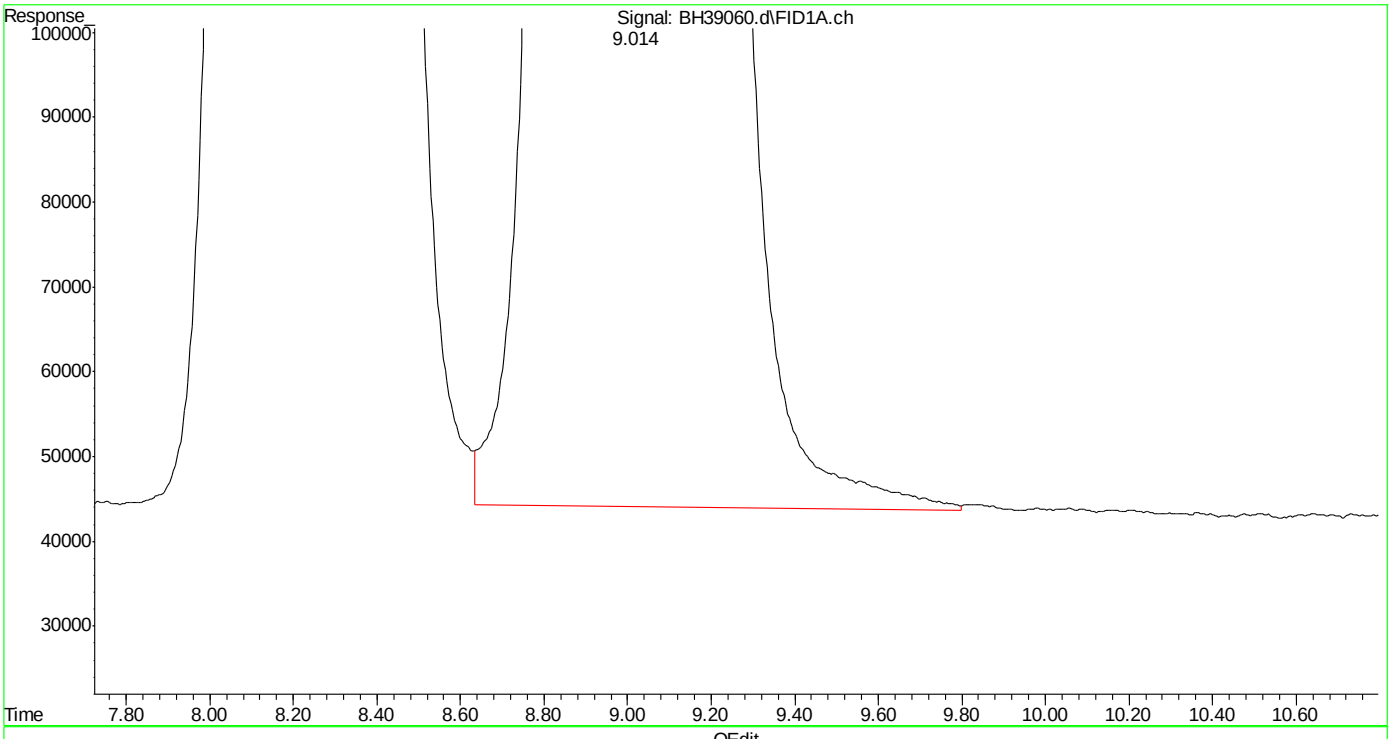
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.014min 473.631 ppb m
response 296835088

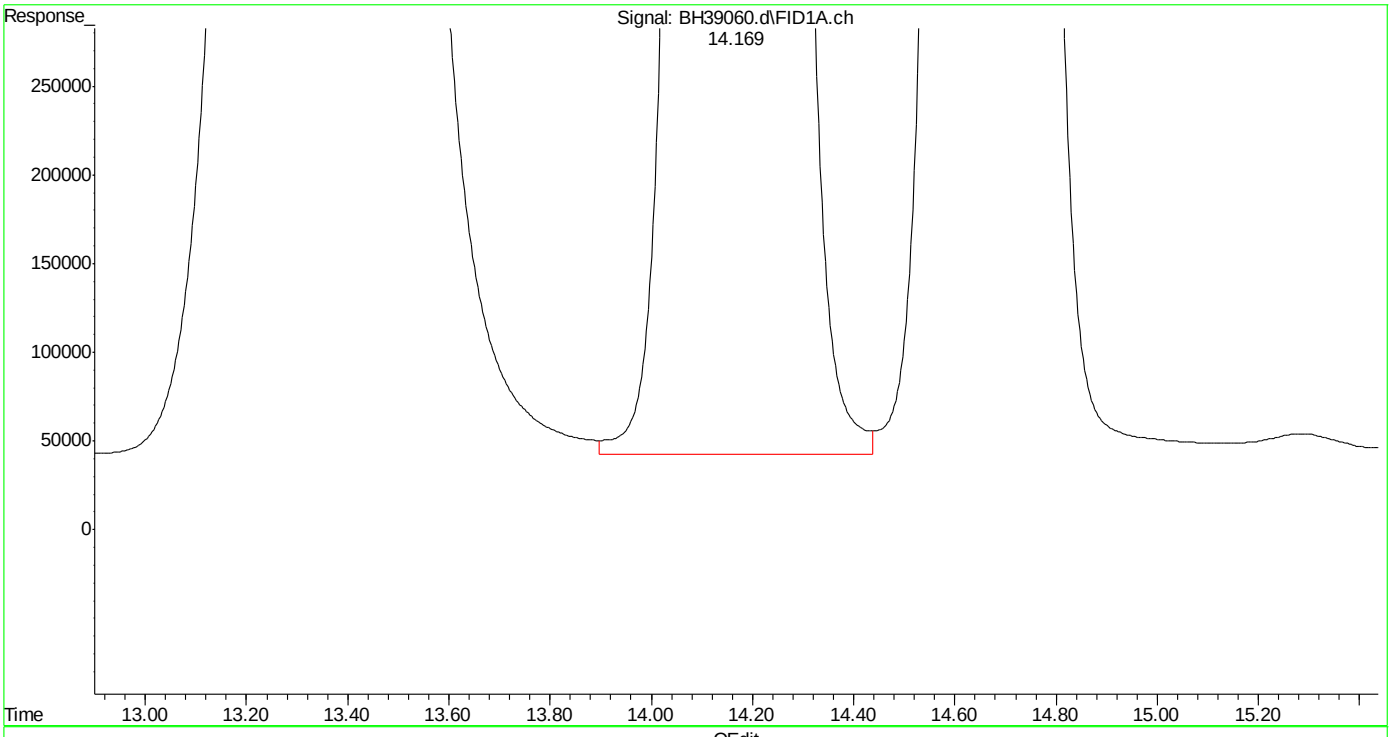
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:37:56 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.170min 483.098 ppb
response 584954609

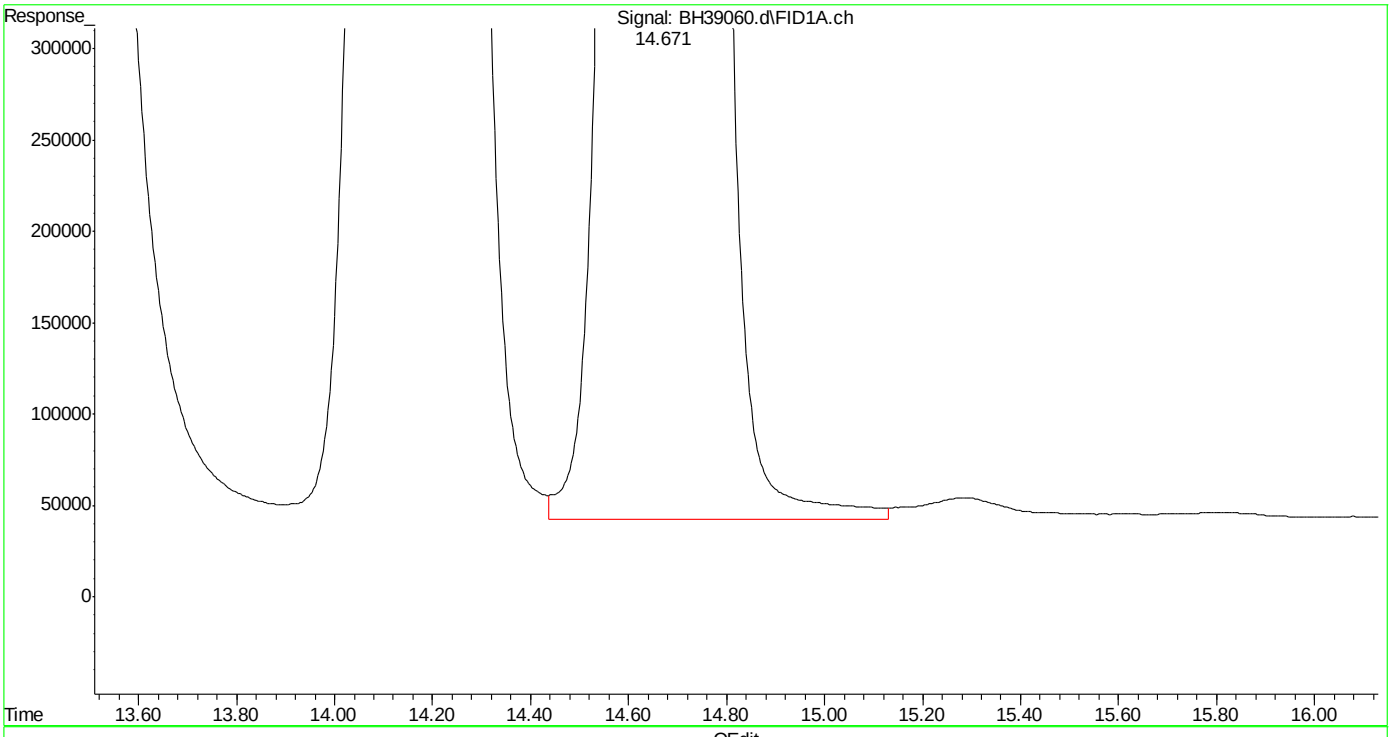
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:38:09 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.673min 493.835 ppb
response 464275480

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:38:16 2016

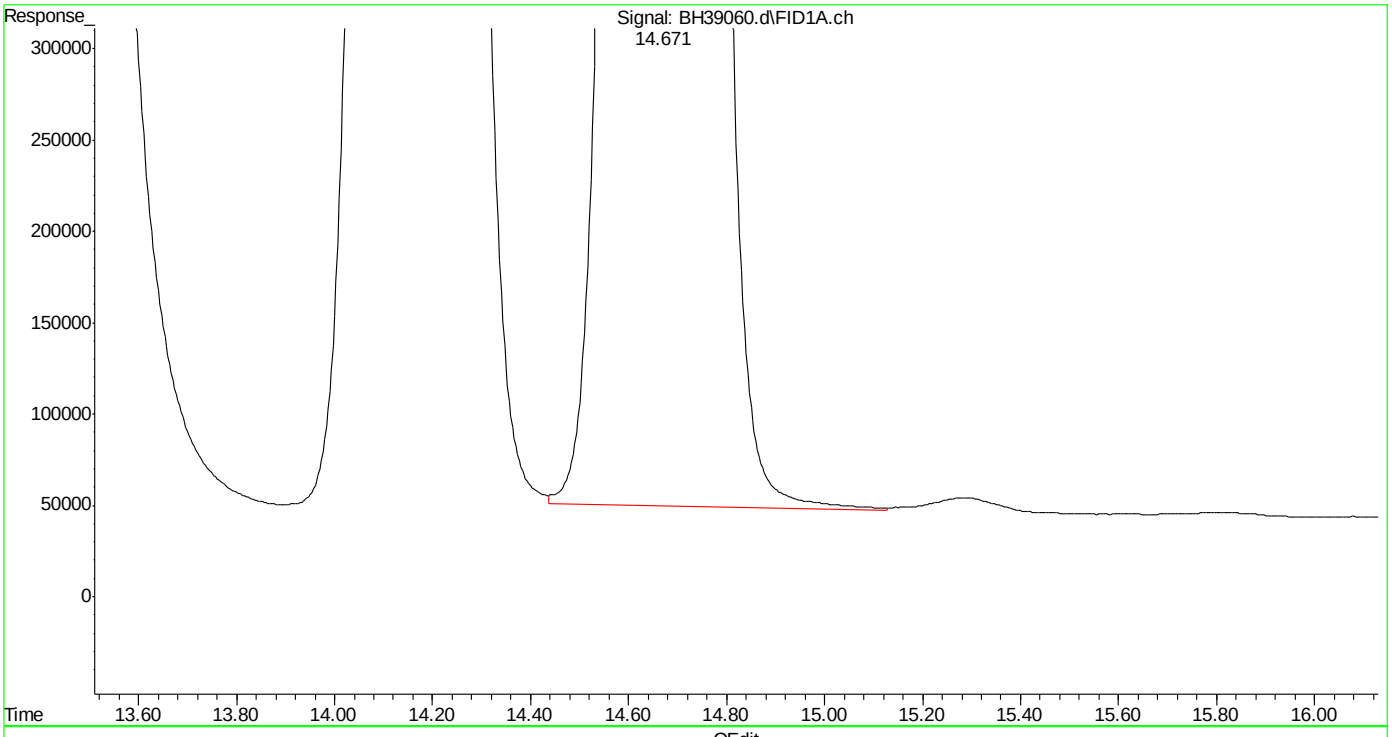
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.671min 491.085 ppb m
response 461690194

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:38:24 2016

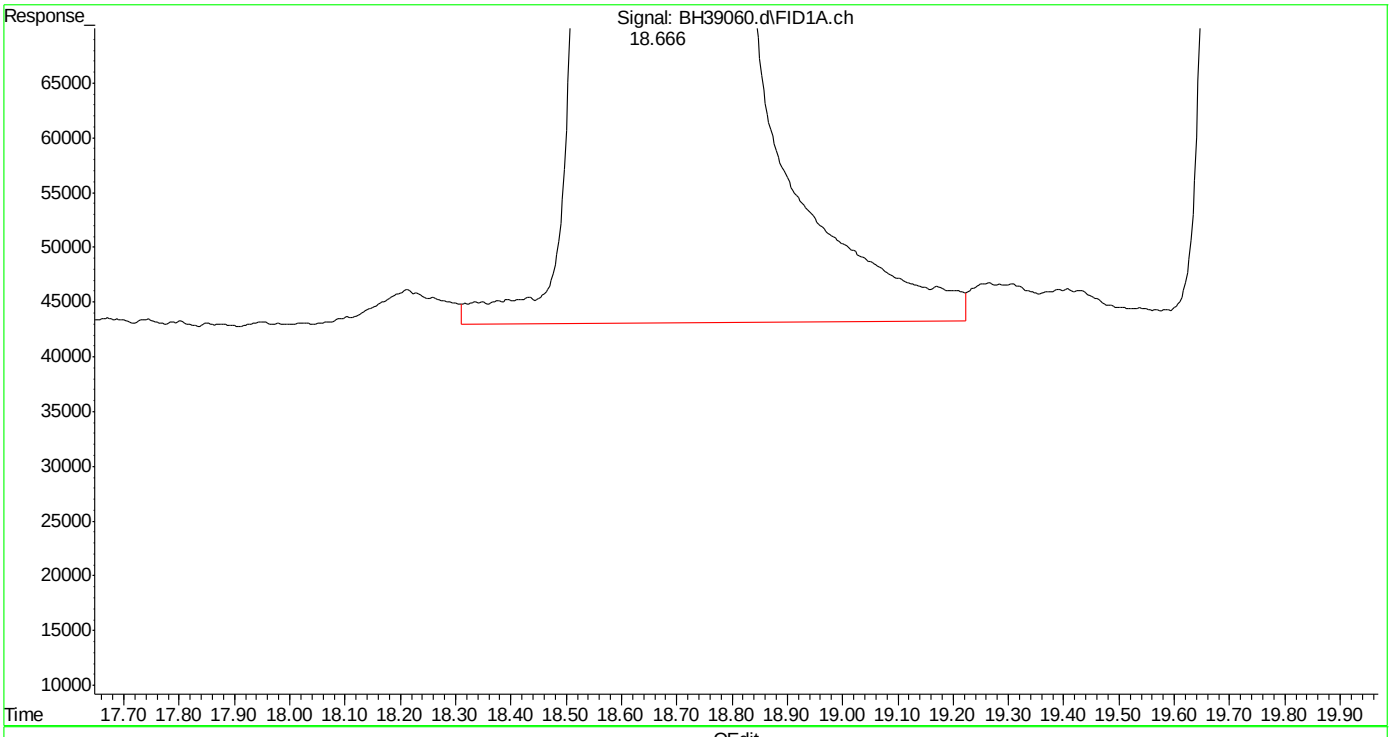
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 20 Apr 2016   9:38 am
Operator  : danielf
Sample    : ic2295-500
Misc      : gc26155,gbh2295,,,,5,1
ALS Vial  : 2   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title  : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(8) toluene (t)

18.667min 492.729 ppb

response 598885067

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:38:29 2016

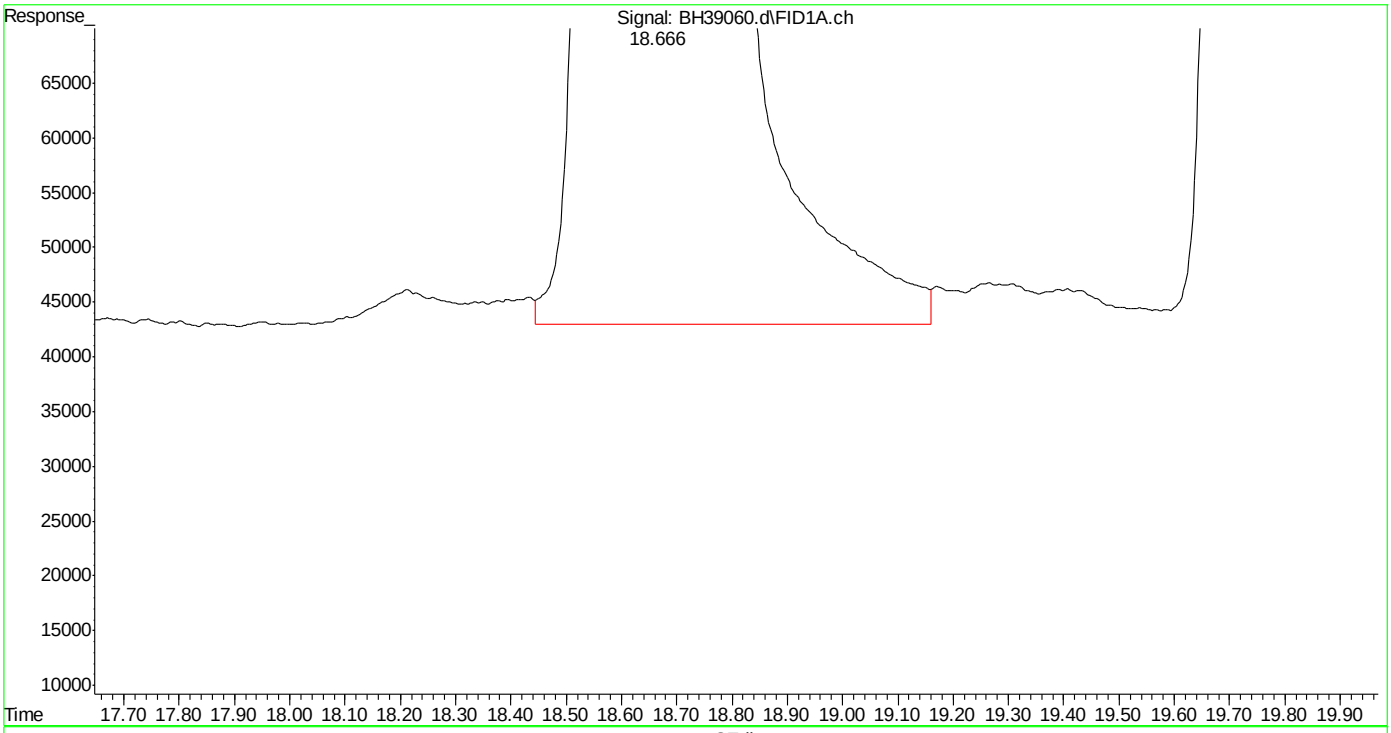
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.666min 492.564 ppb m
response 598684560

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:38:36 2016

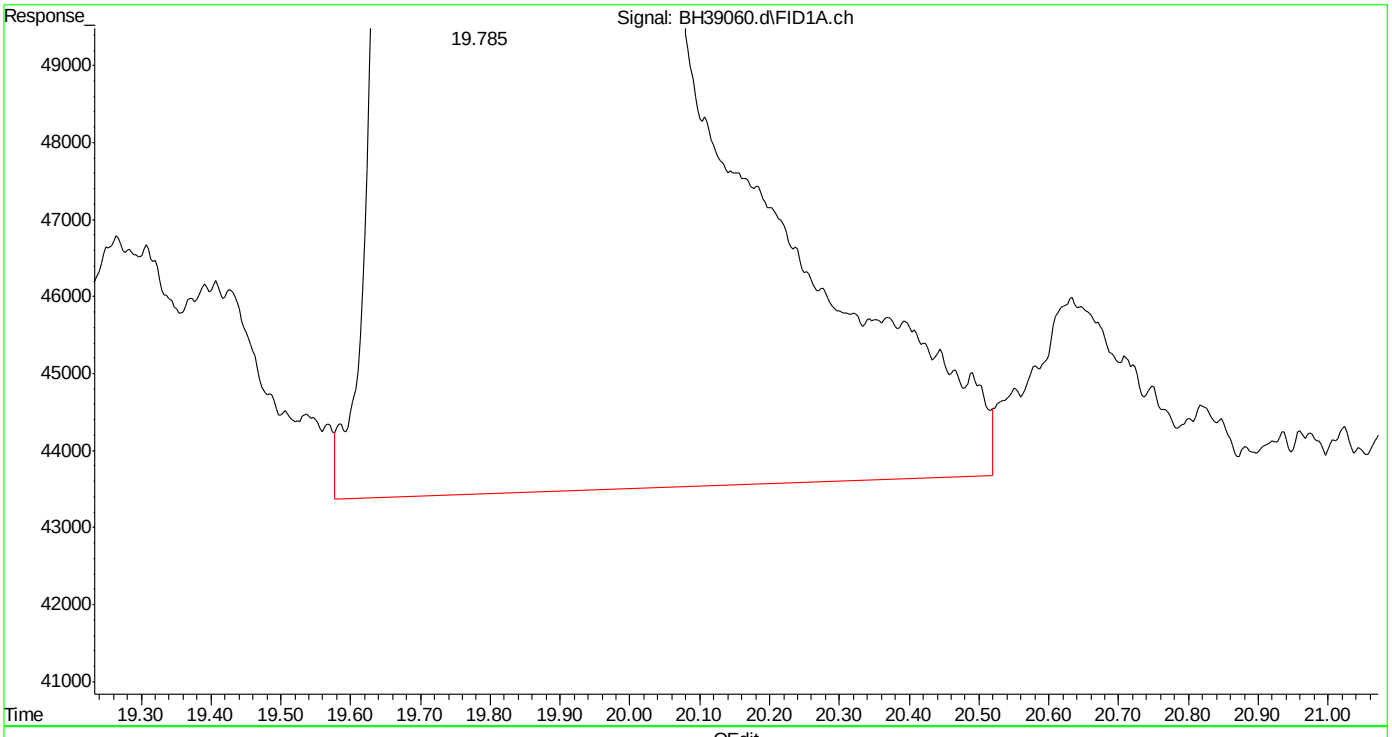
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.786min 482.668 ppb
response 393564672

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:38:44 2016

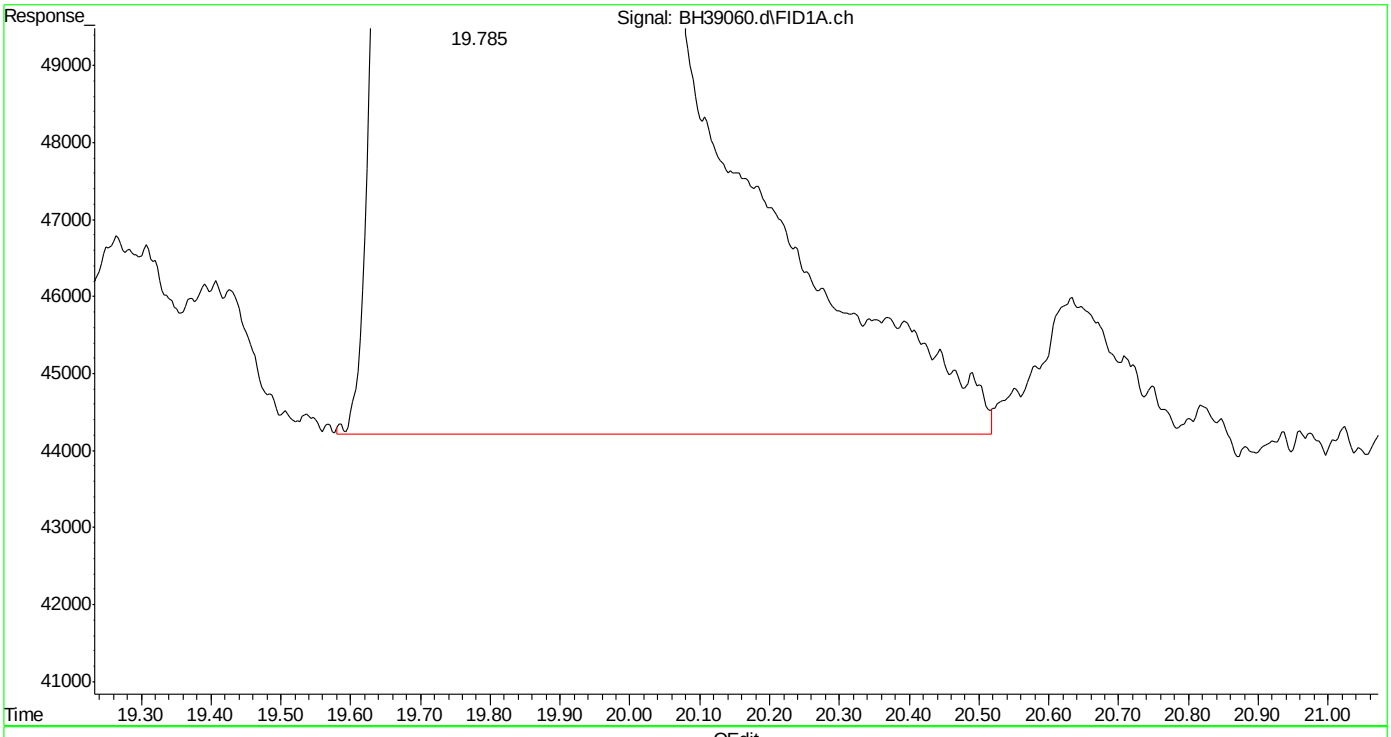
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.785min 482.185 ppb m
response 393170341

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:38:48 2016

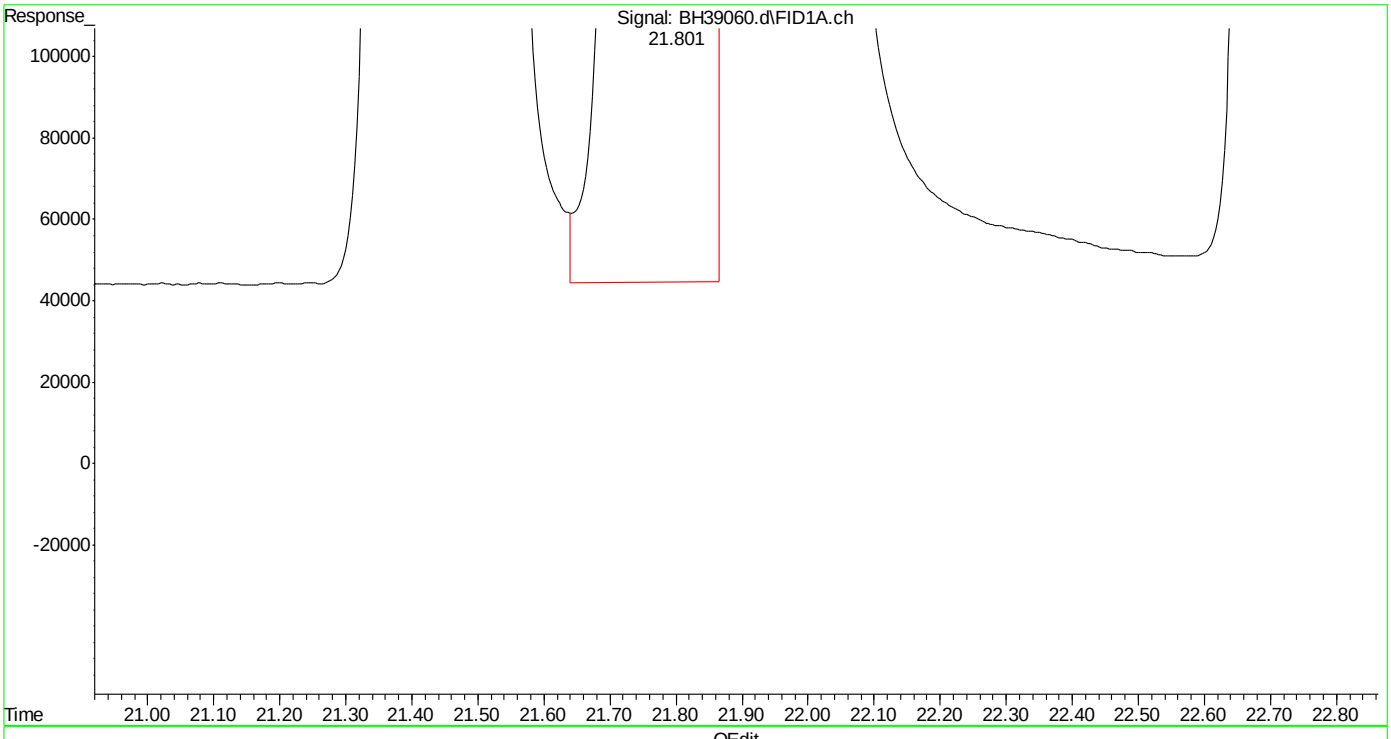
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.802min 506.106 ppb
response 606693875

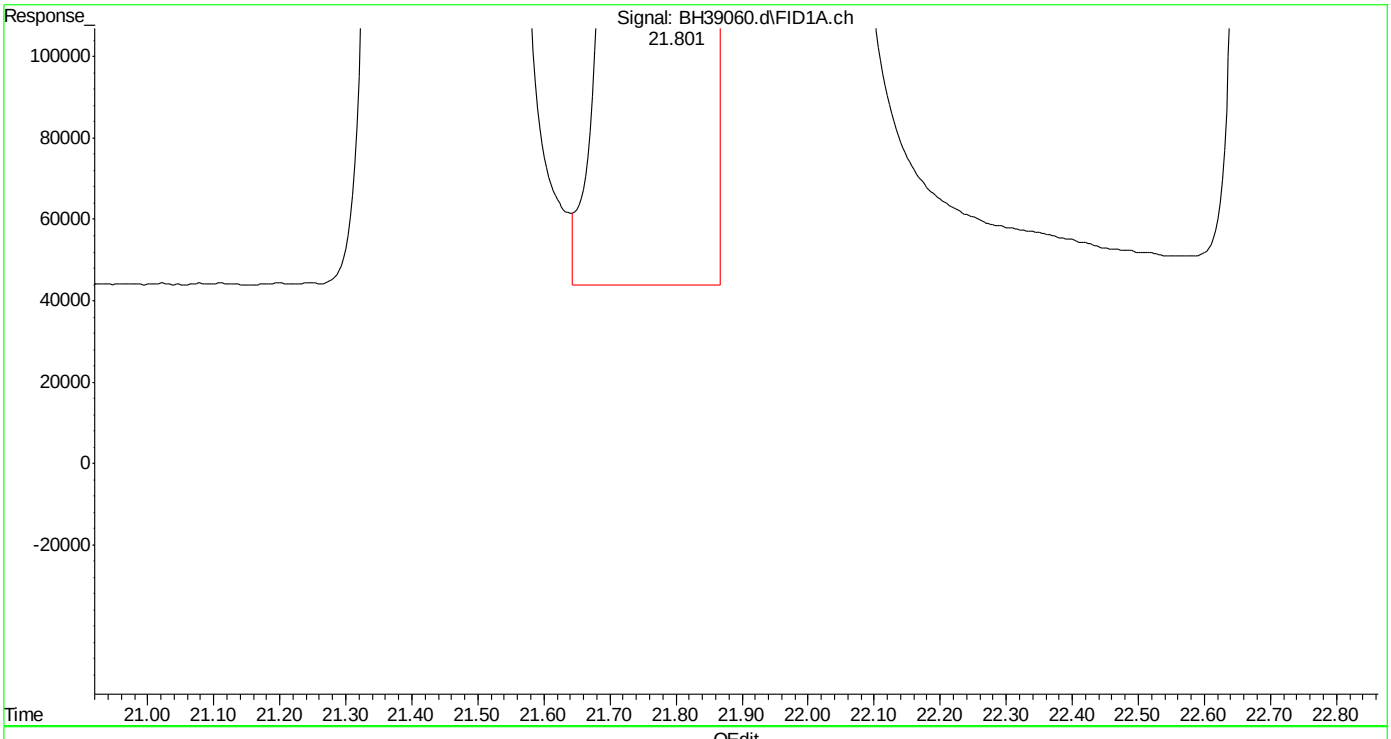
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:00 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.801min 505.663 ppb m
response 606162413

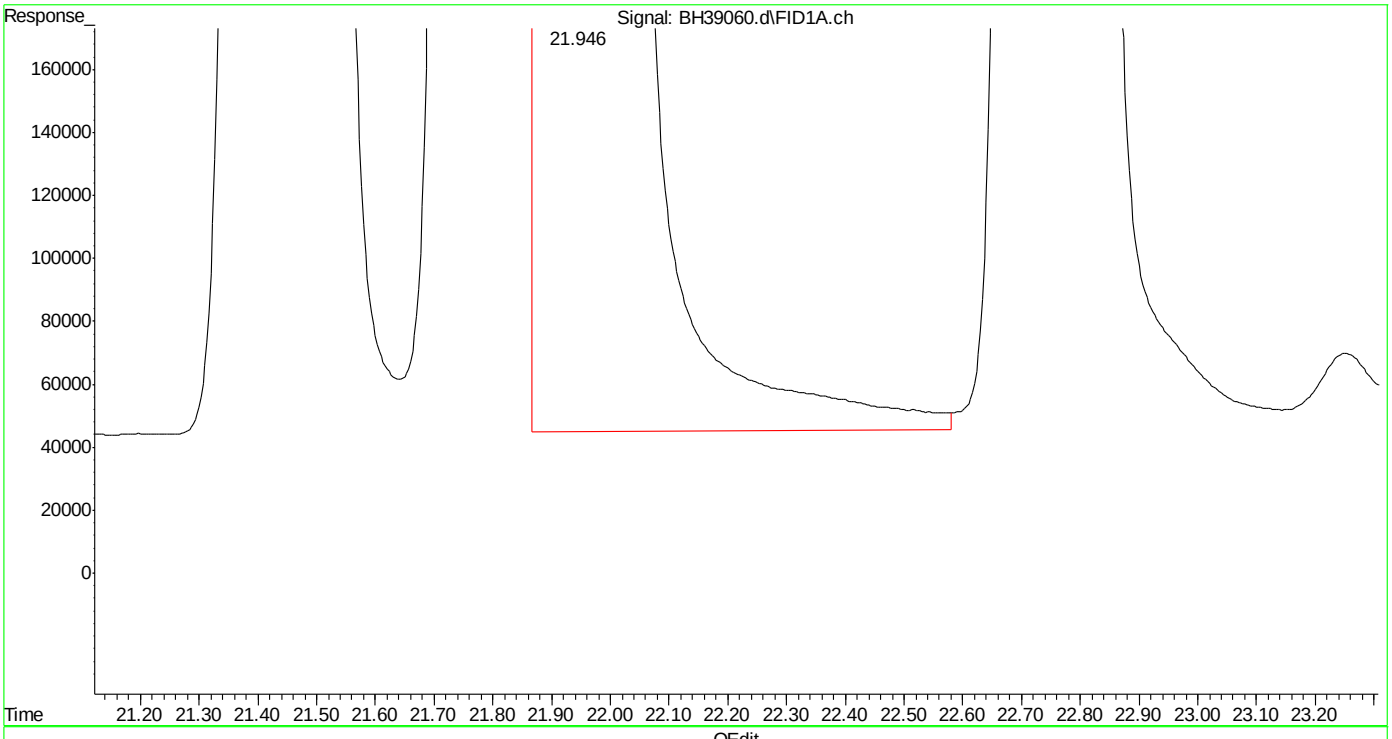
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:08 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.947min 1014.455 ppb
response 1274482306

(+) = Expected Retention Time

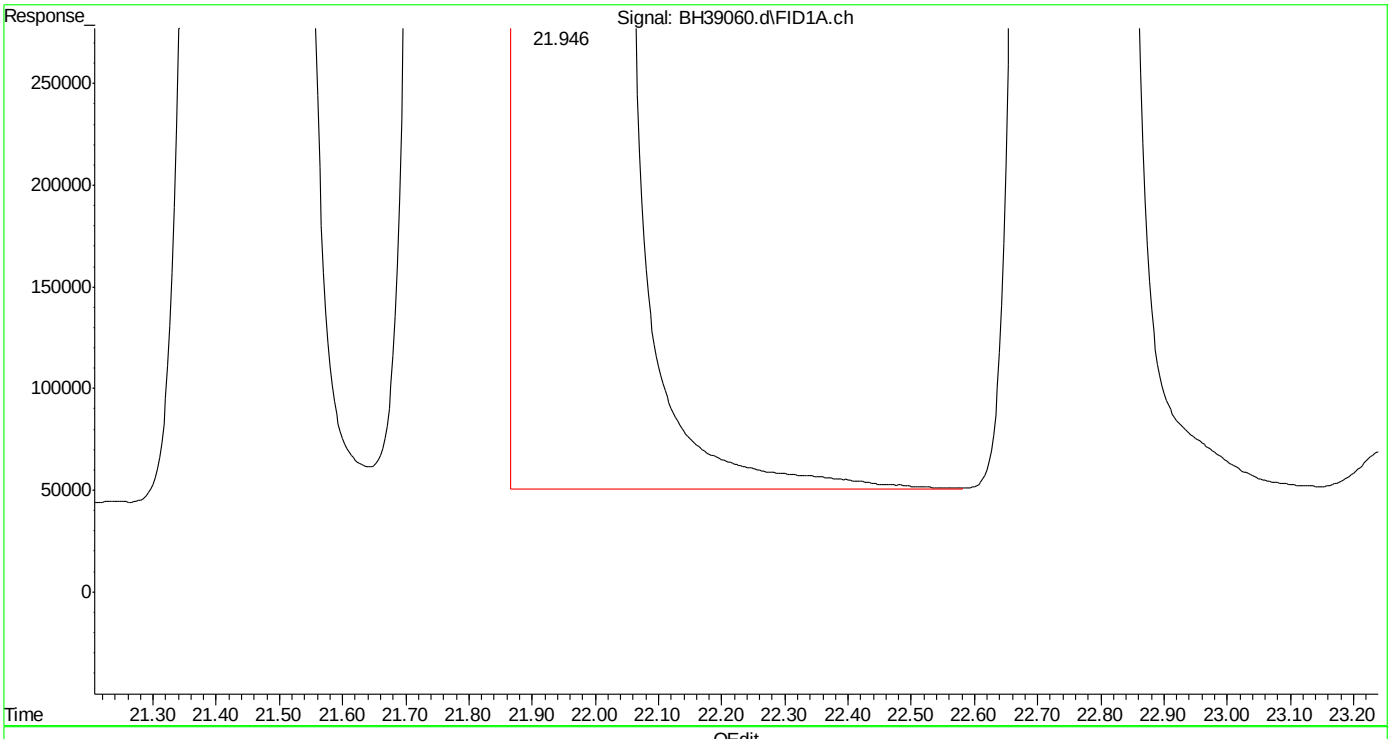
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.946min 1009.276 ppb m
response 1267975817

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:22 2016 Page: 1

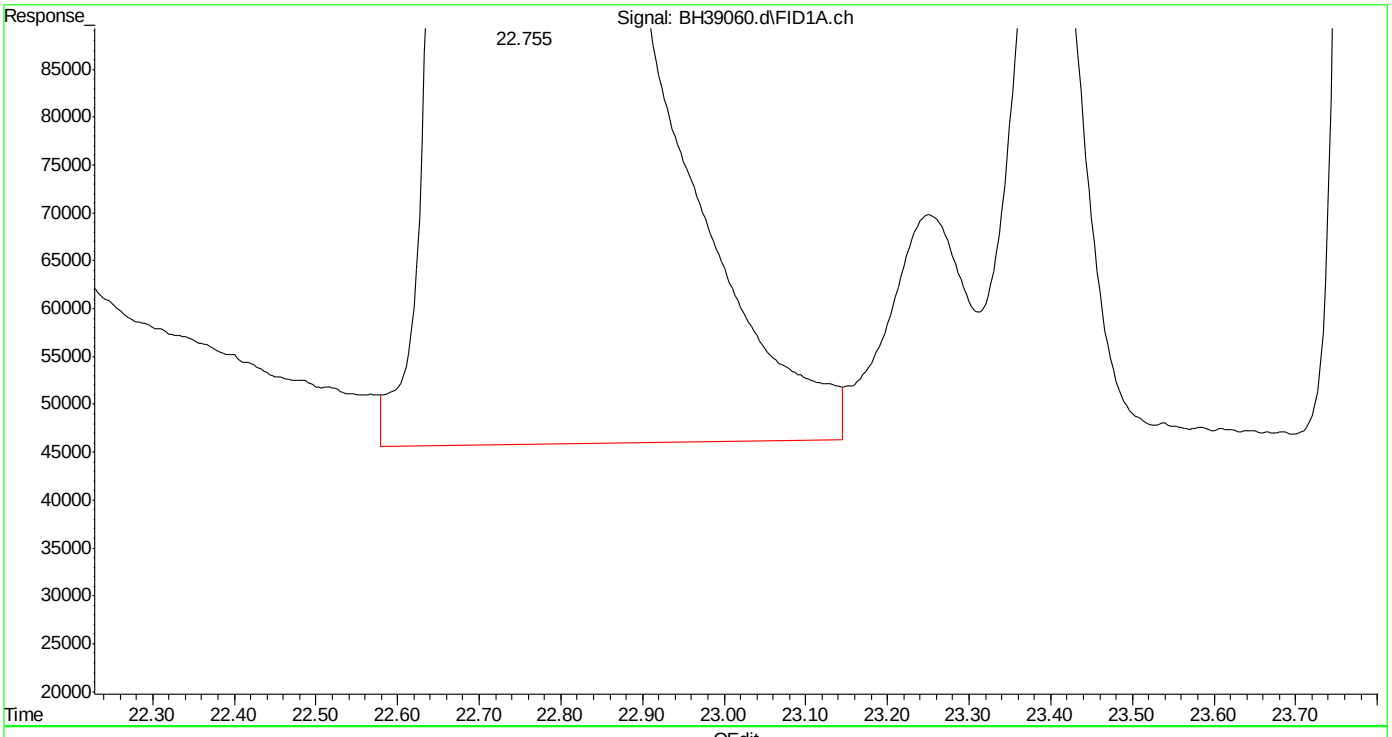
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.757min 500.390 ppb
response 641751472

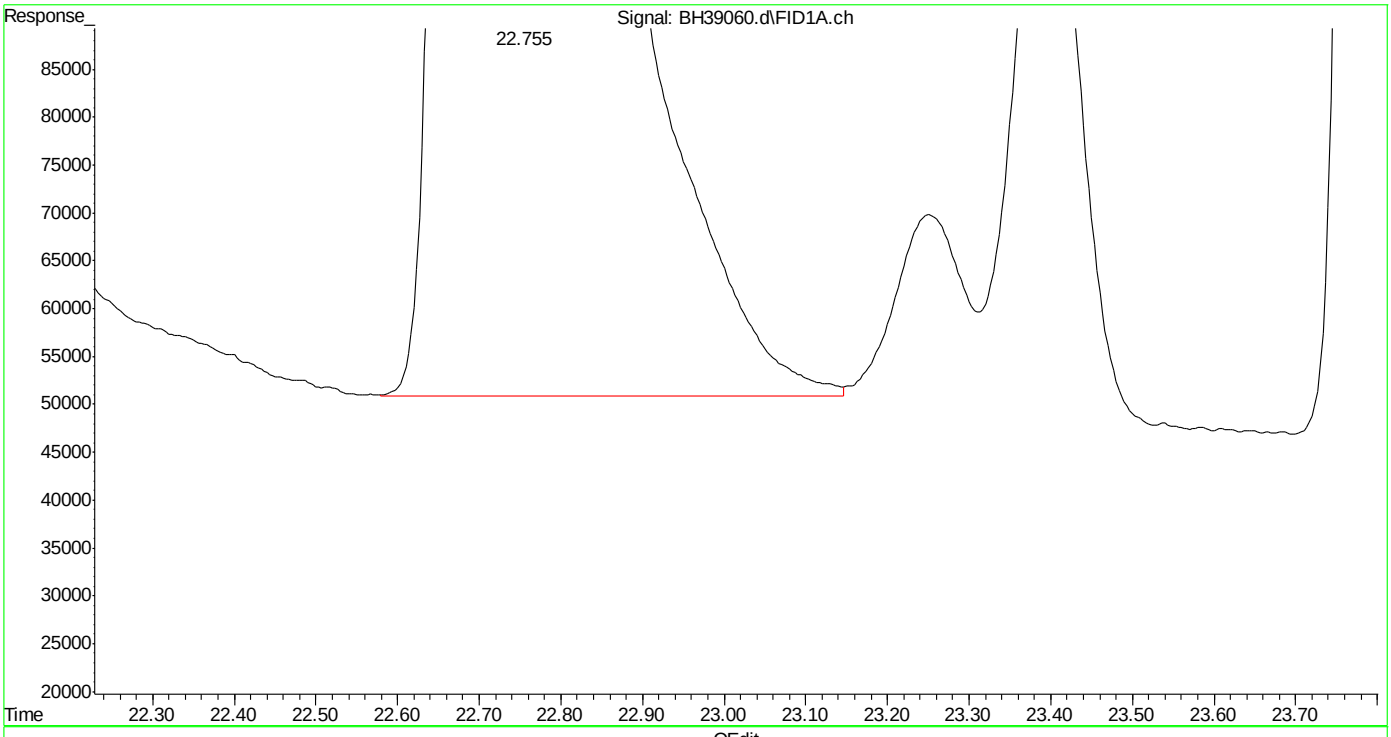
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:27 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.755min 499.097 ppb m
response 640094130

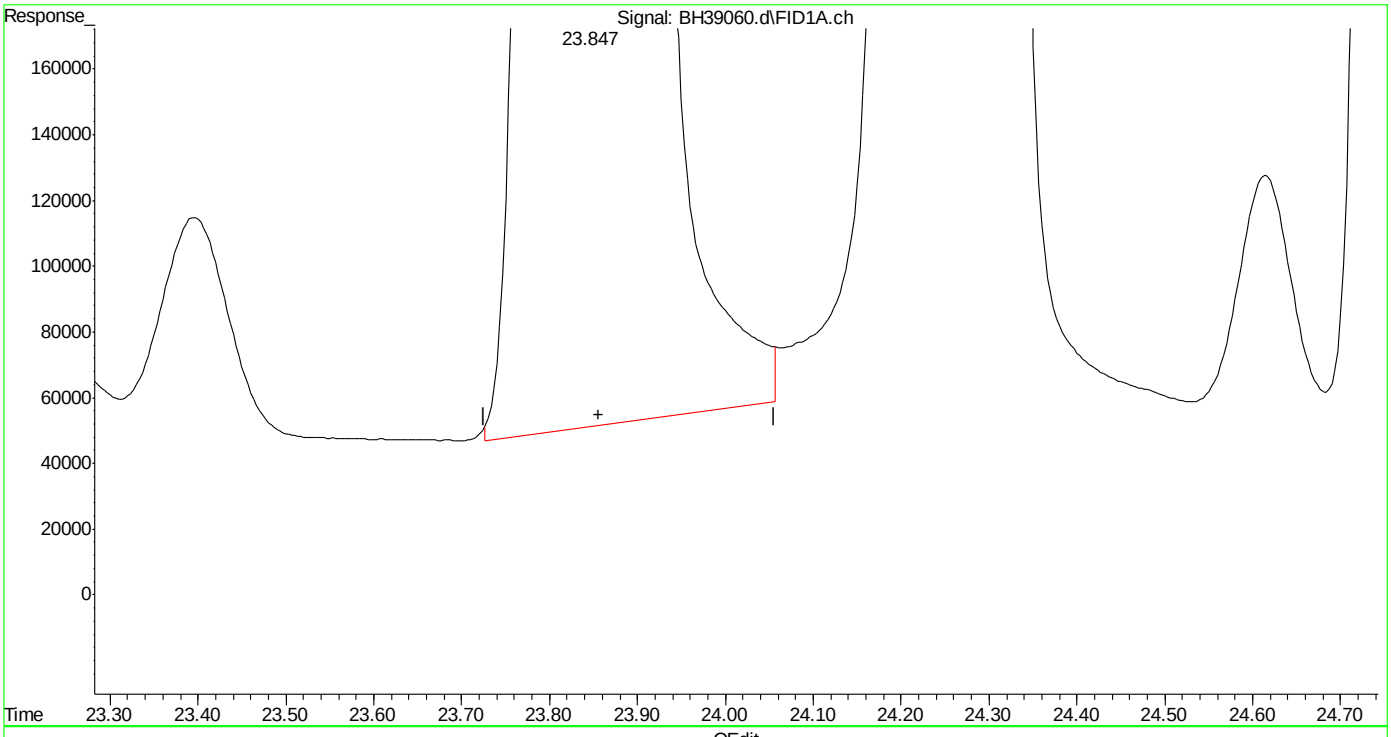
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:37 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 497.858 ppb
response 587918040

(+) = Expected Retention Time

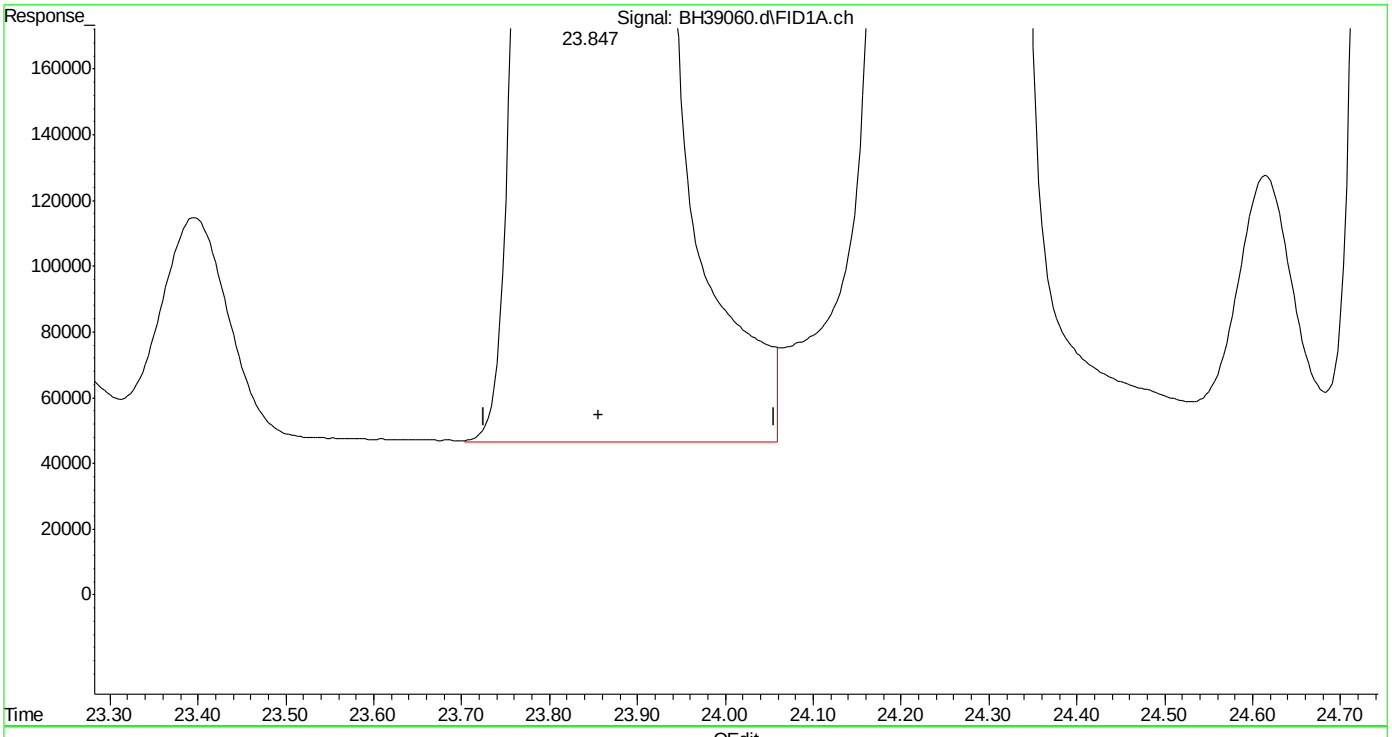
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 498.974 ppb m
response 589235505

(+) = Expected Retention Time

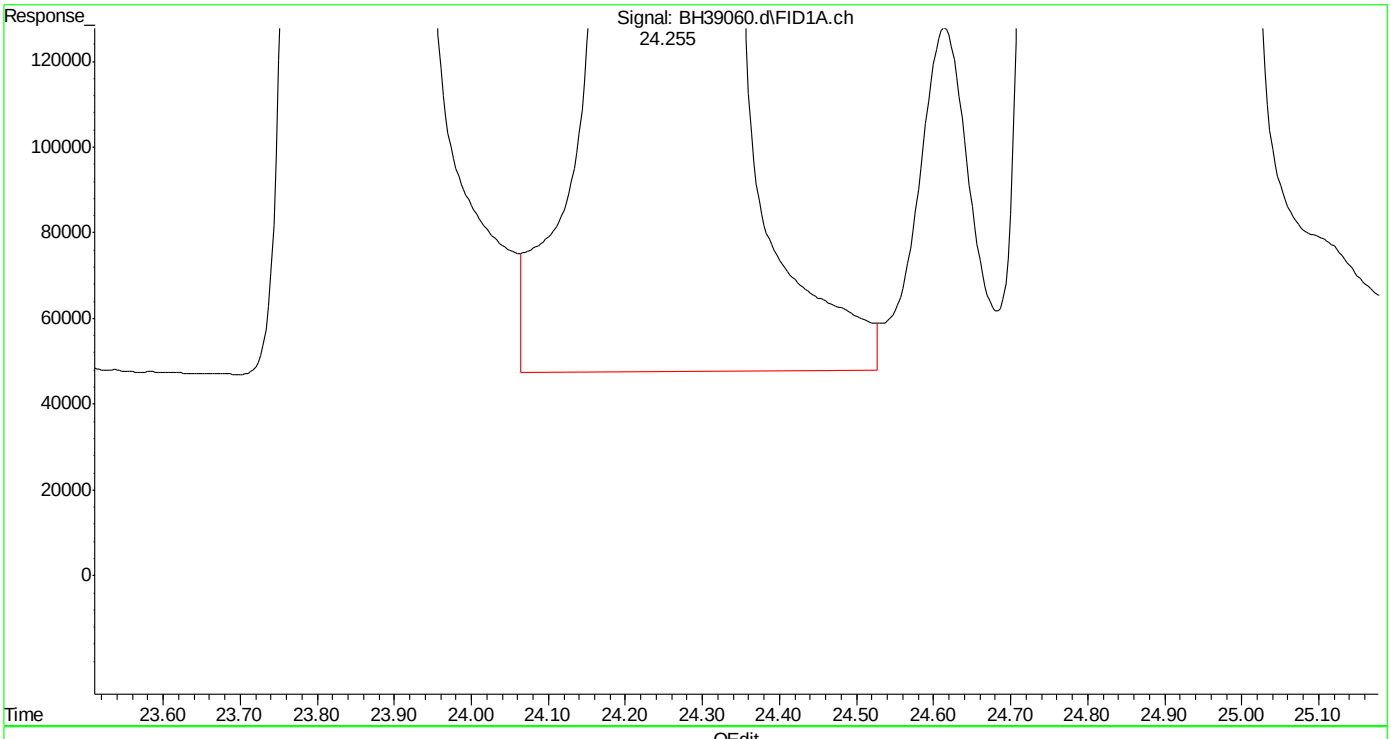
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.257min 480.663 ppb
response 650264095

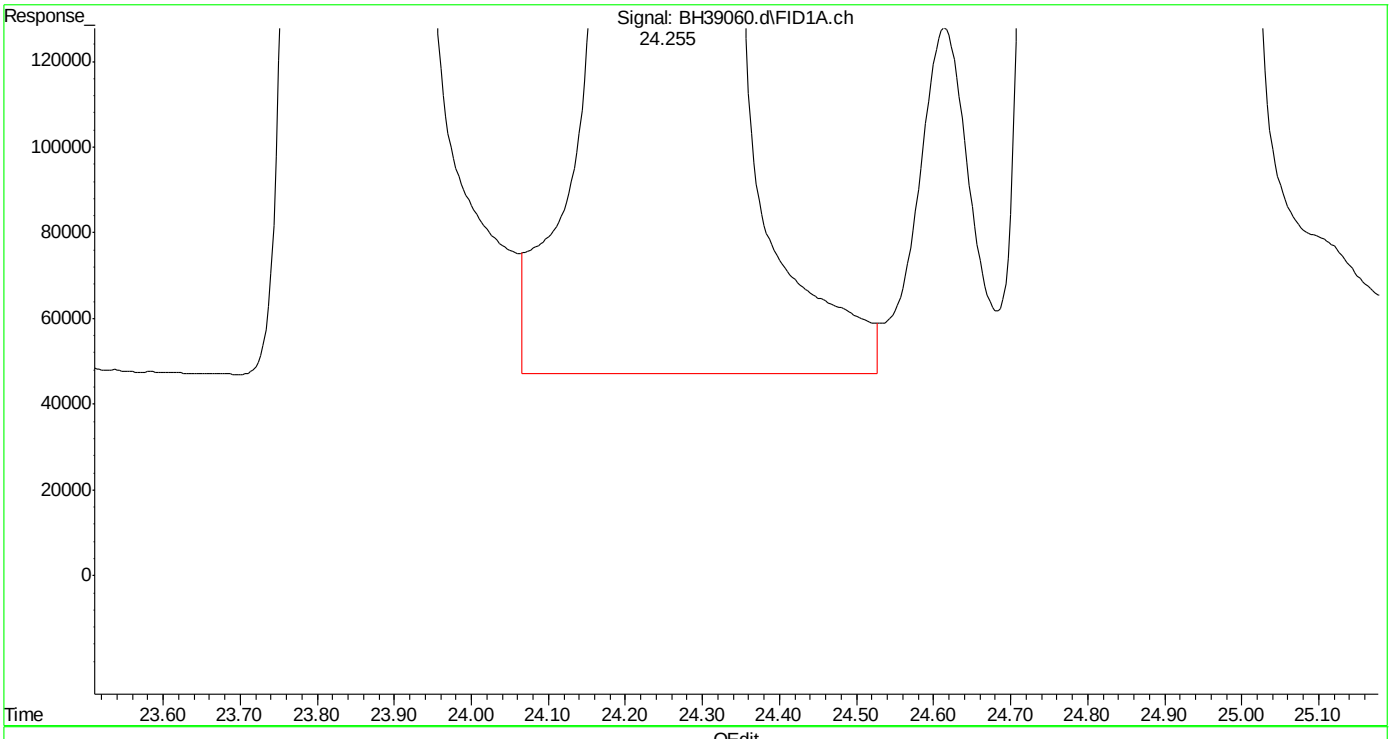
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:39:54 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.255min 480.783 ppb m
response 650427688

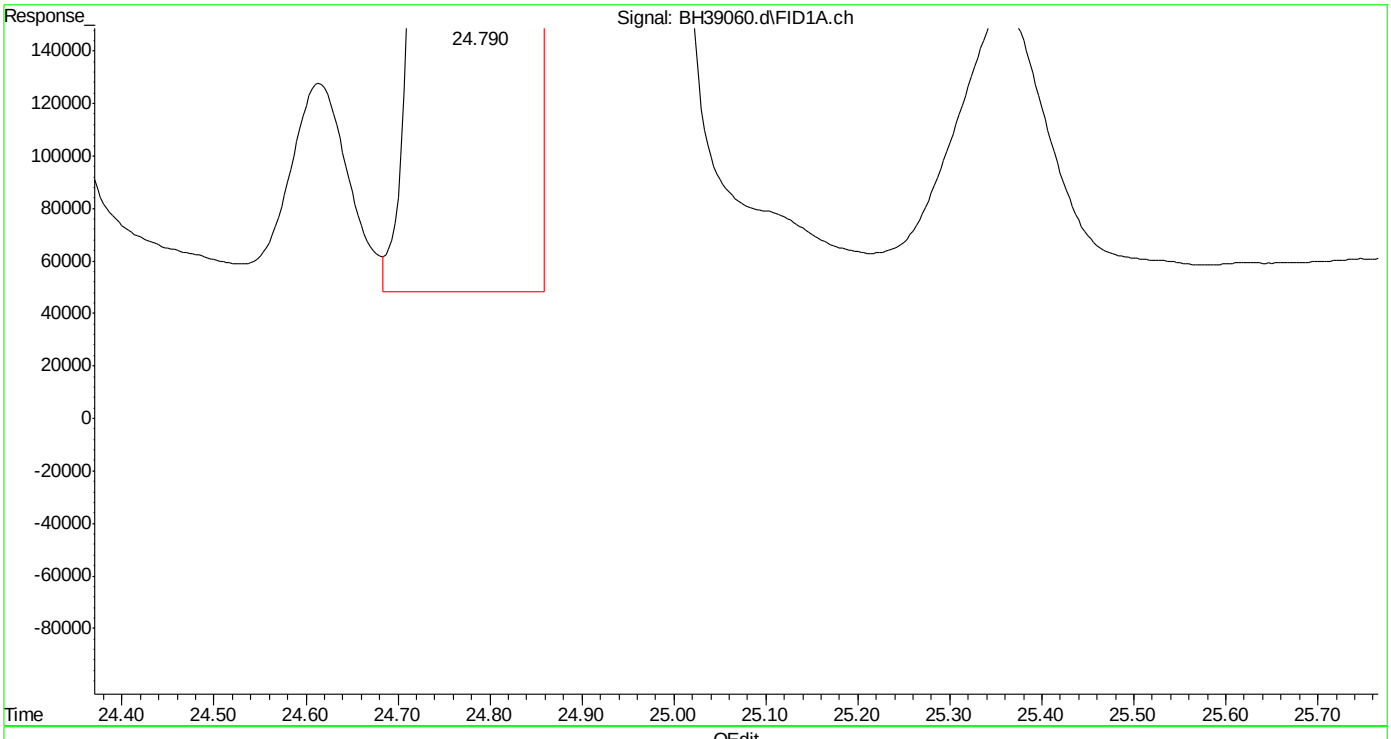
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:40:05 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.791min 465.996 ppb
response 639977142

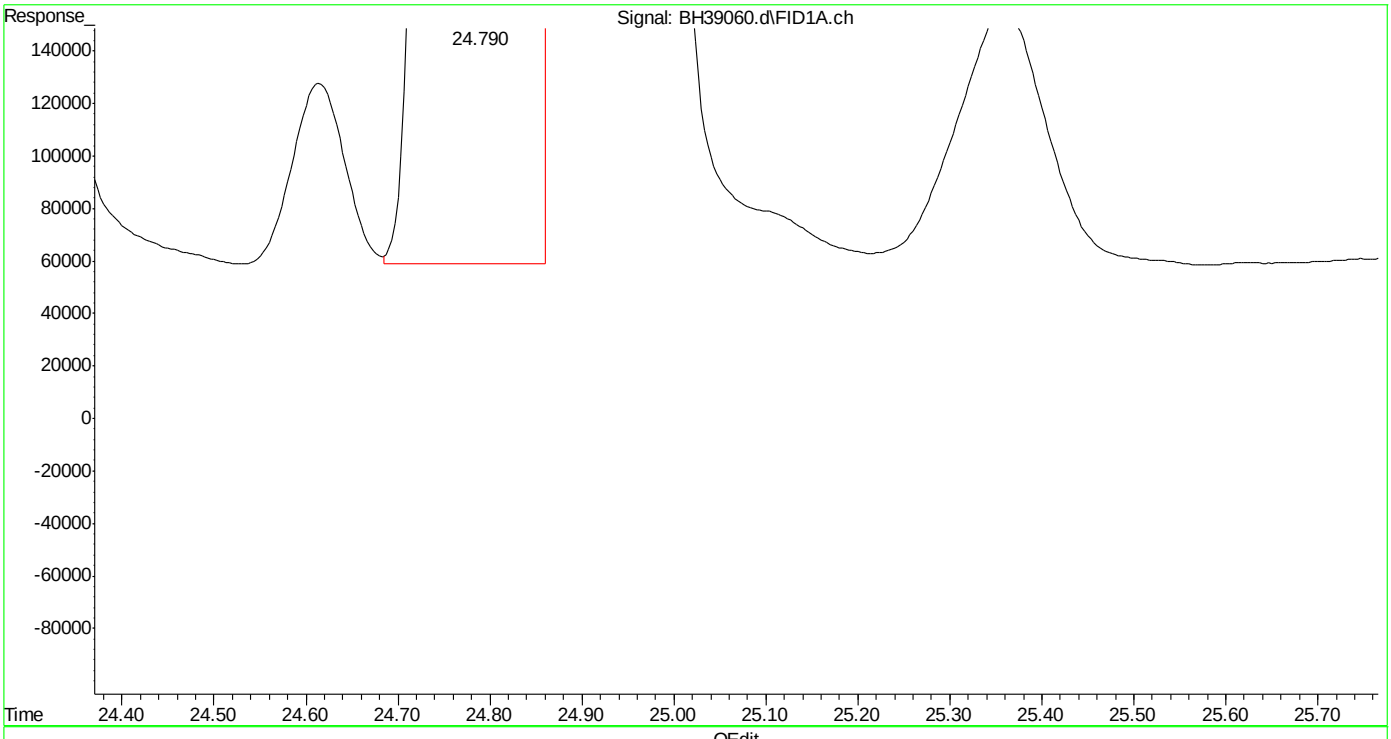
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:40:10 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.790min 464.629 ppb m
response 638100435

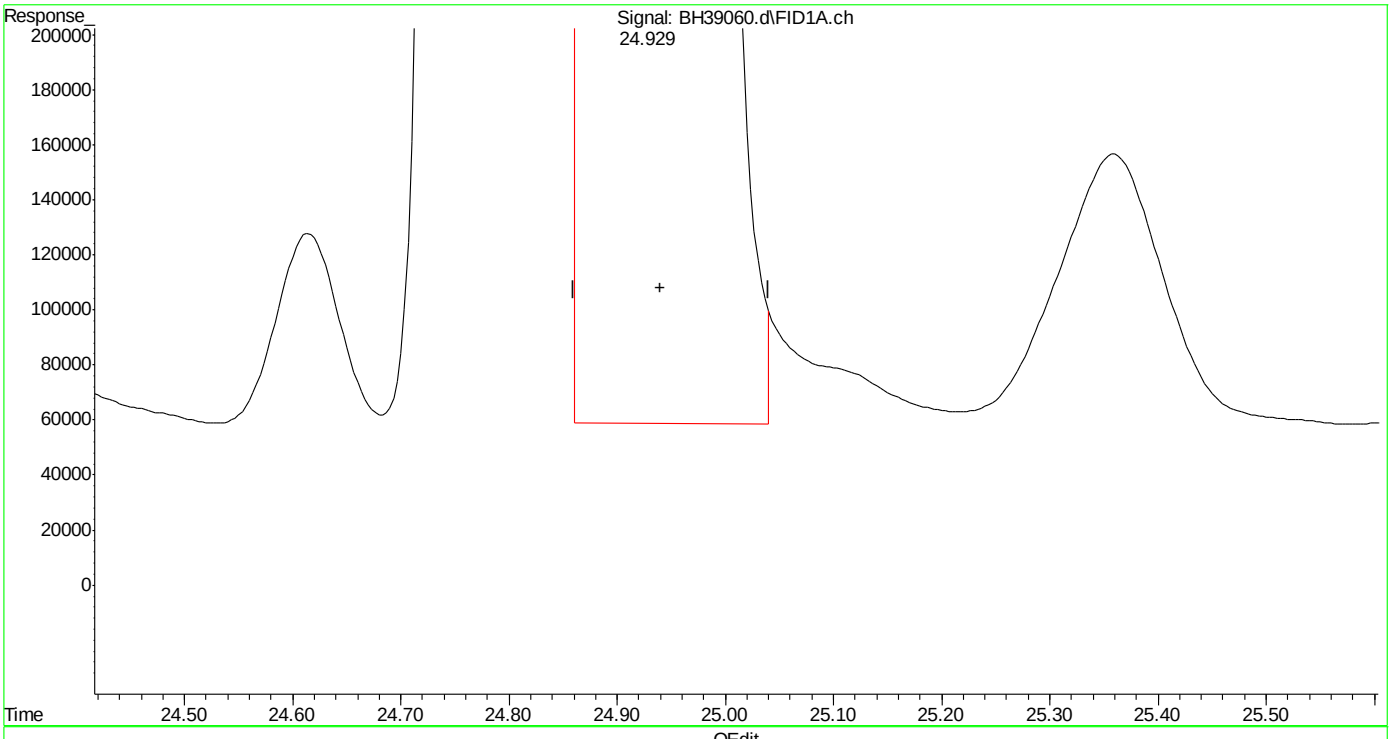
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 481.096 ppb
response 611501682

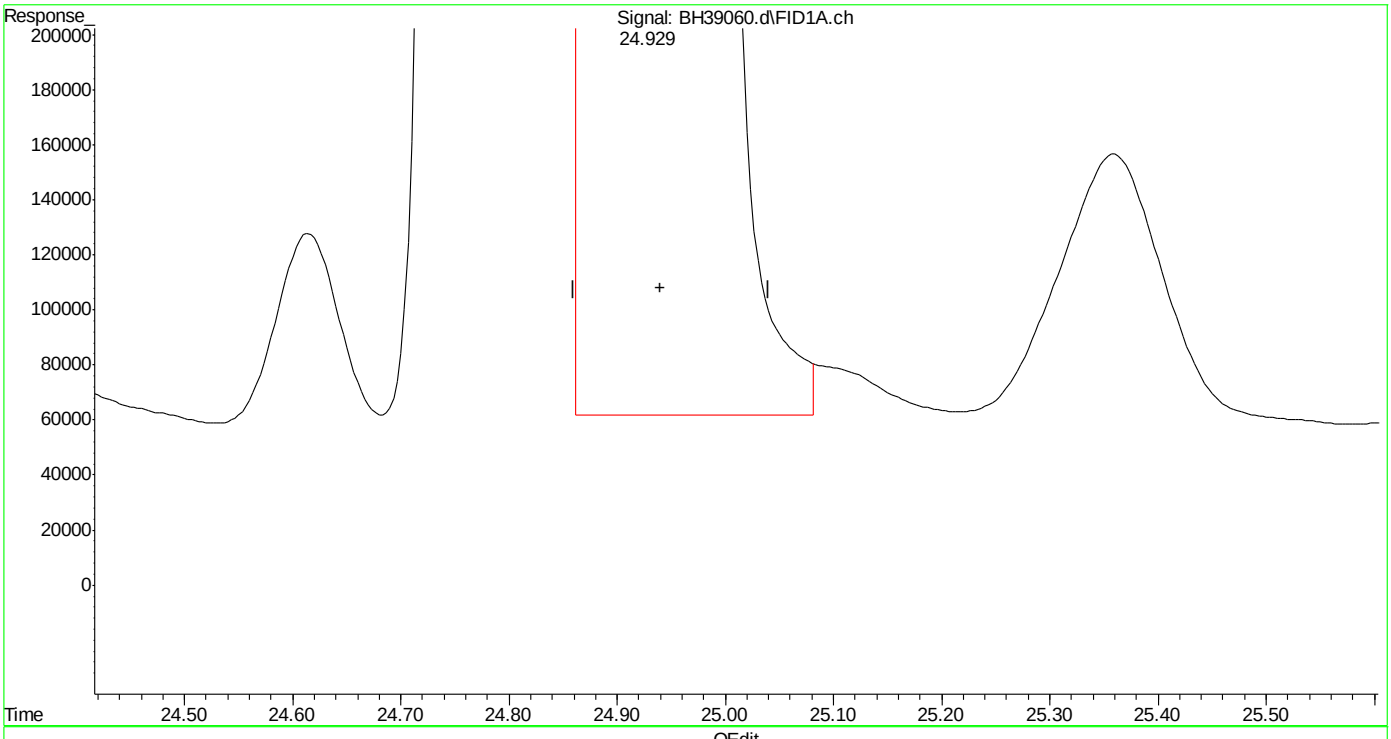
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 482.581 ppb m
response 613389026

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:40:30 2016

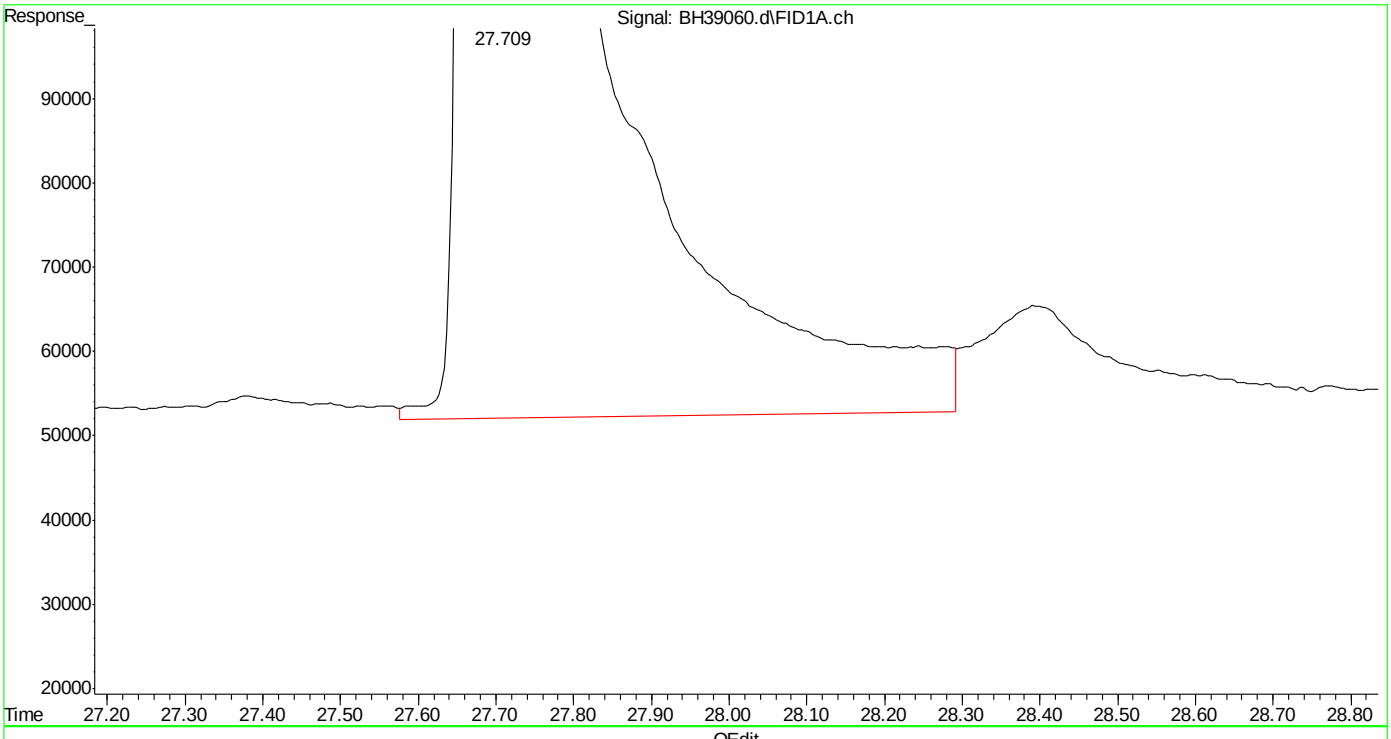
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.711min 417.739 ppb
response 353487103

(+) = Expected Retention Time

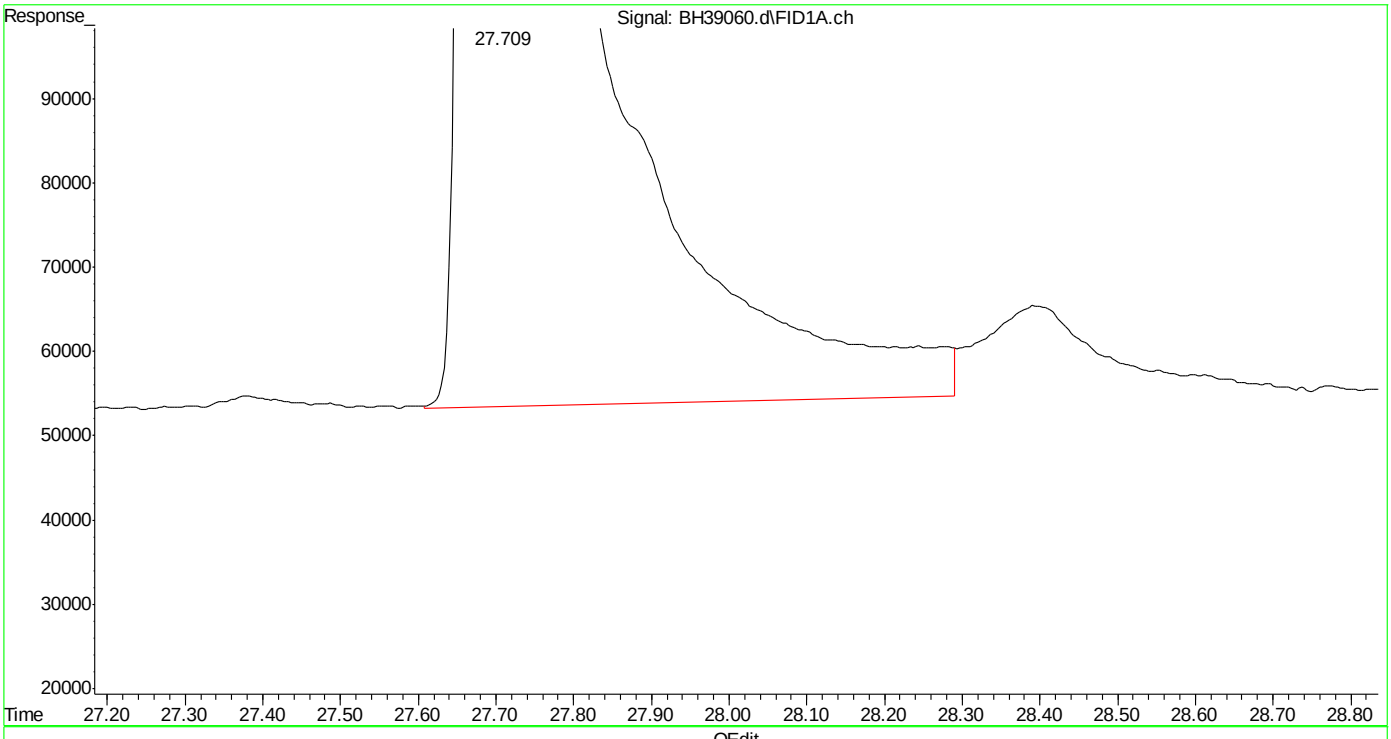
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 416.982 ppb m
response 352846203

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:40:40 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(23) mtbe #2 (t)
9.017min 482.851 ppb
response 137874626

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:40:55 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(23) mtbe #2 (t)
9.016min 481.937 ppb m
response 137613702

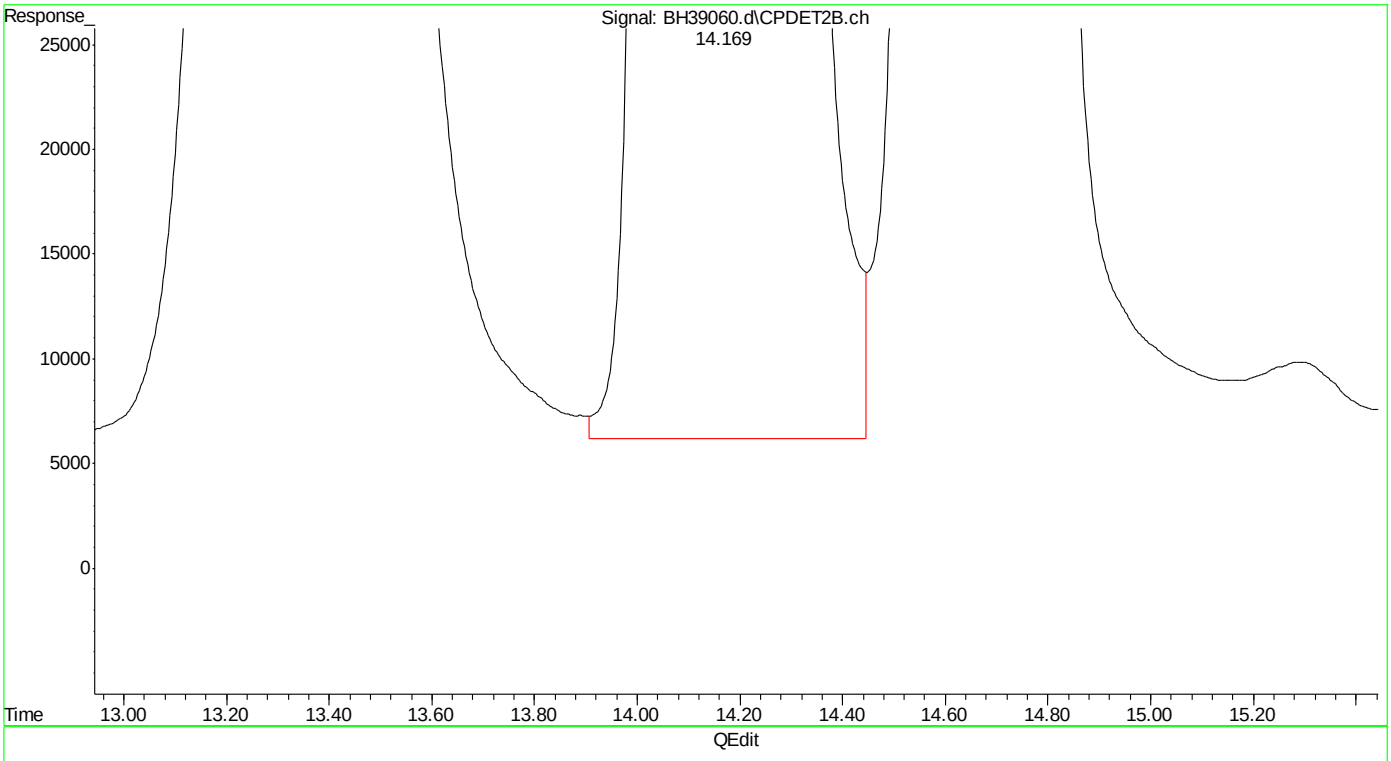
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:05 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.170min 478.941 ppb
response 318483902

(+) = Expected Retention Time

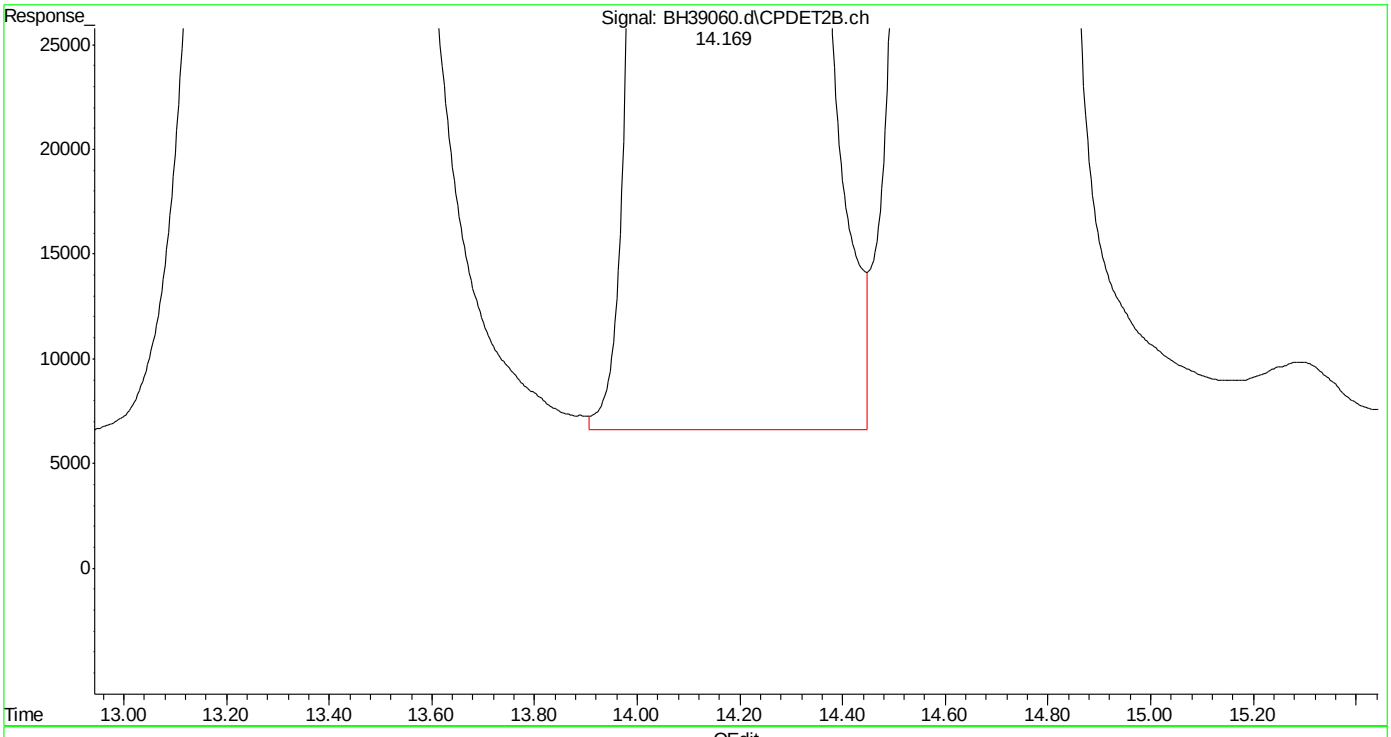
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.169min 478.763 ppb m
response 318365520

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:18 2016

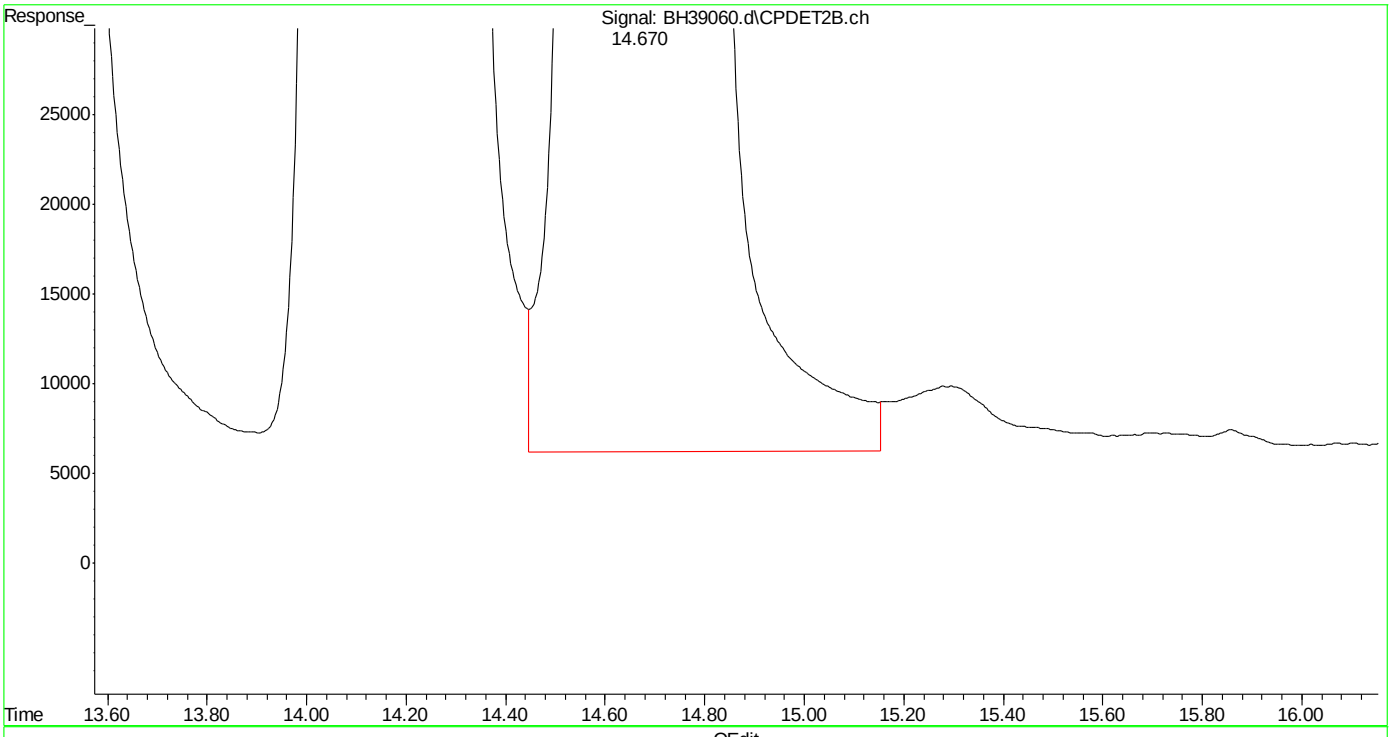
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.672min 495.480 ppb
response 202082252

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:23 2016

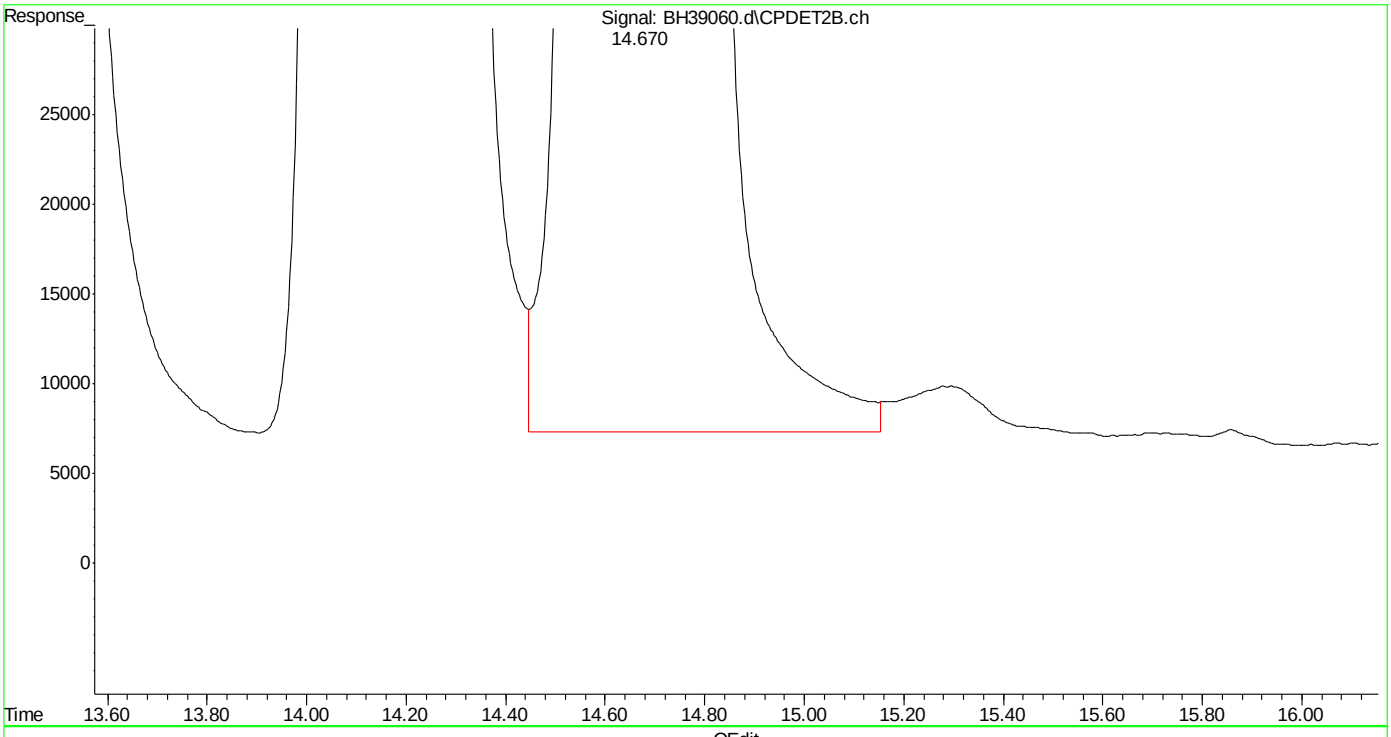
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 494.374 ppb m
response 201631236

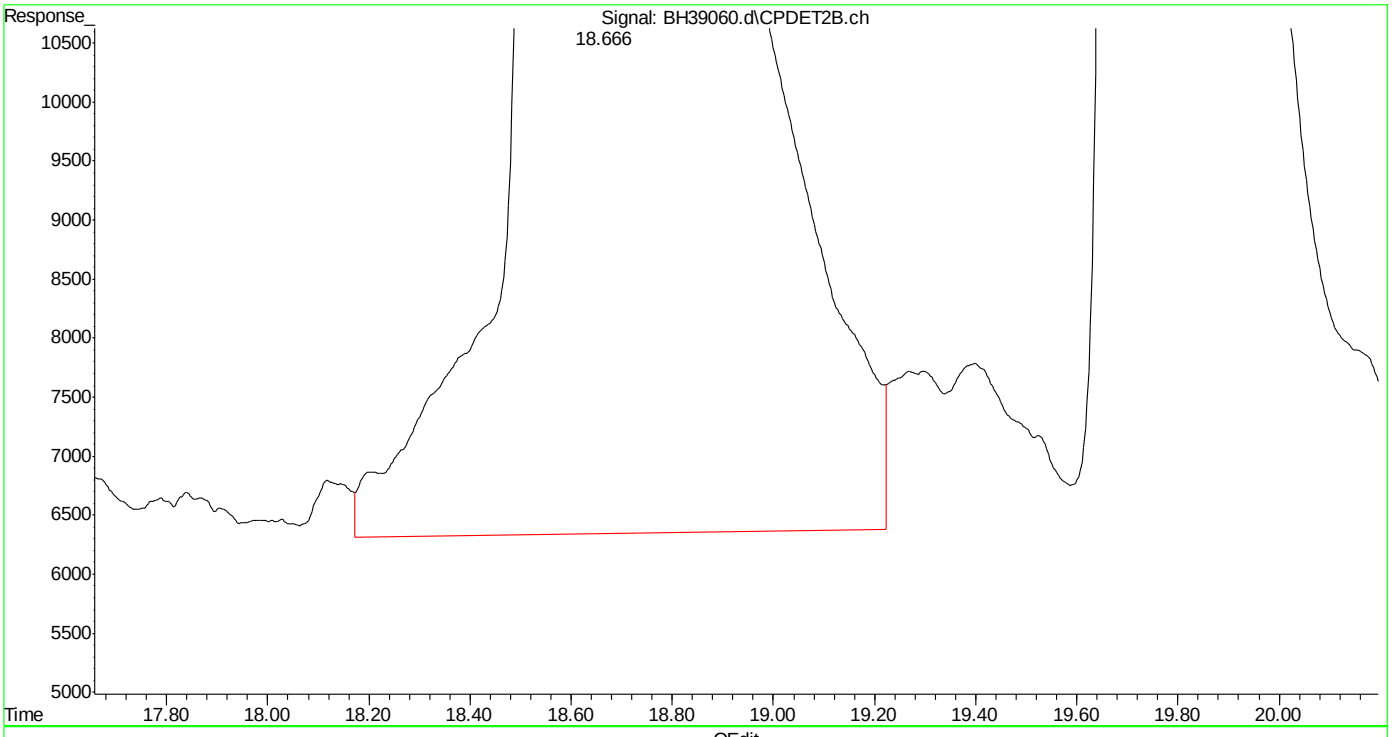
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.667min 487.499 ppb
response 302351882

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:38 2016

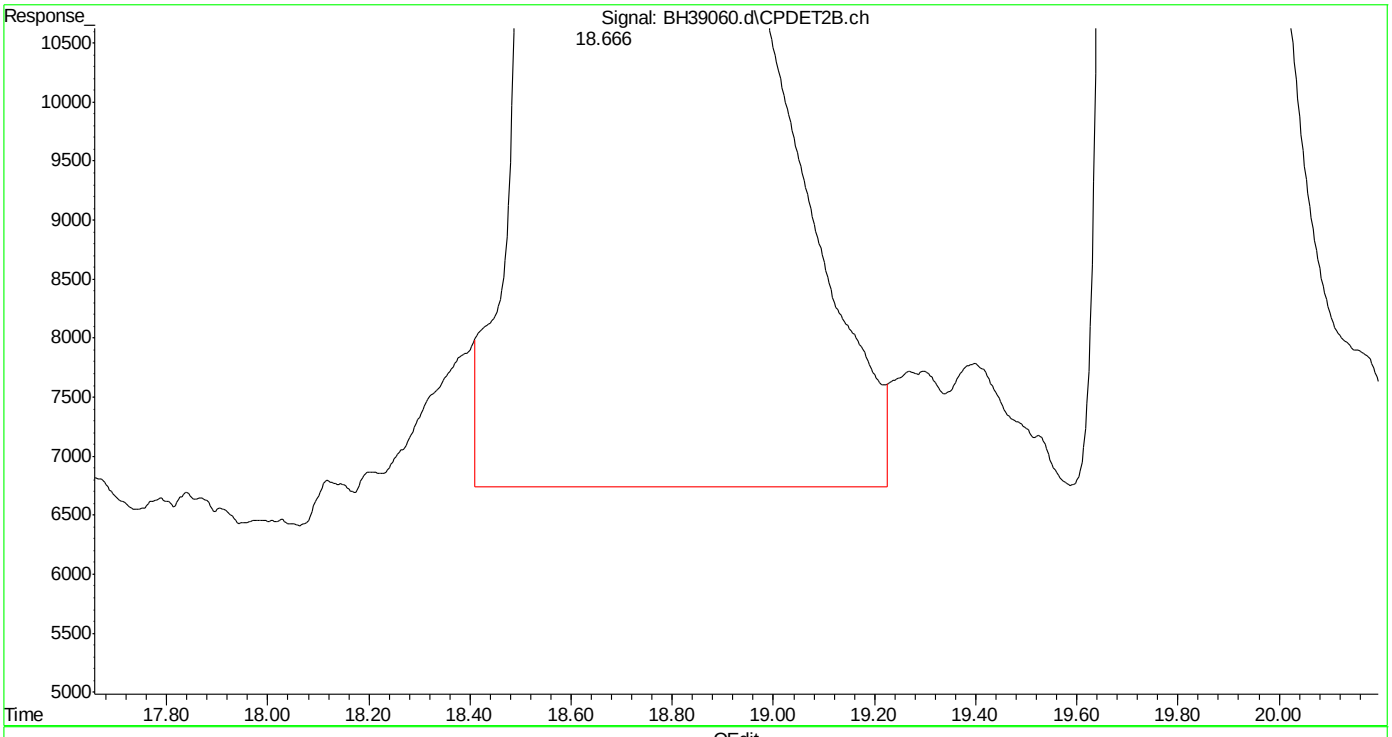
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 486.976 ppb m
response 302027483

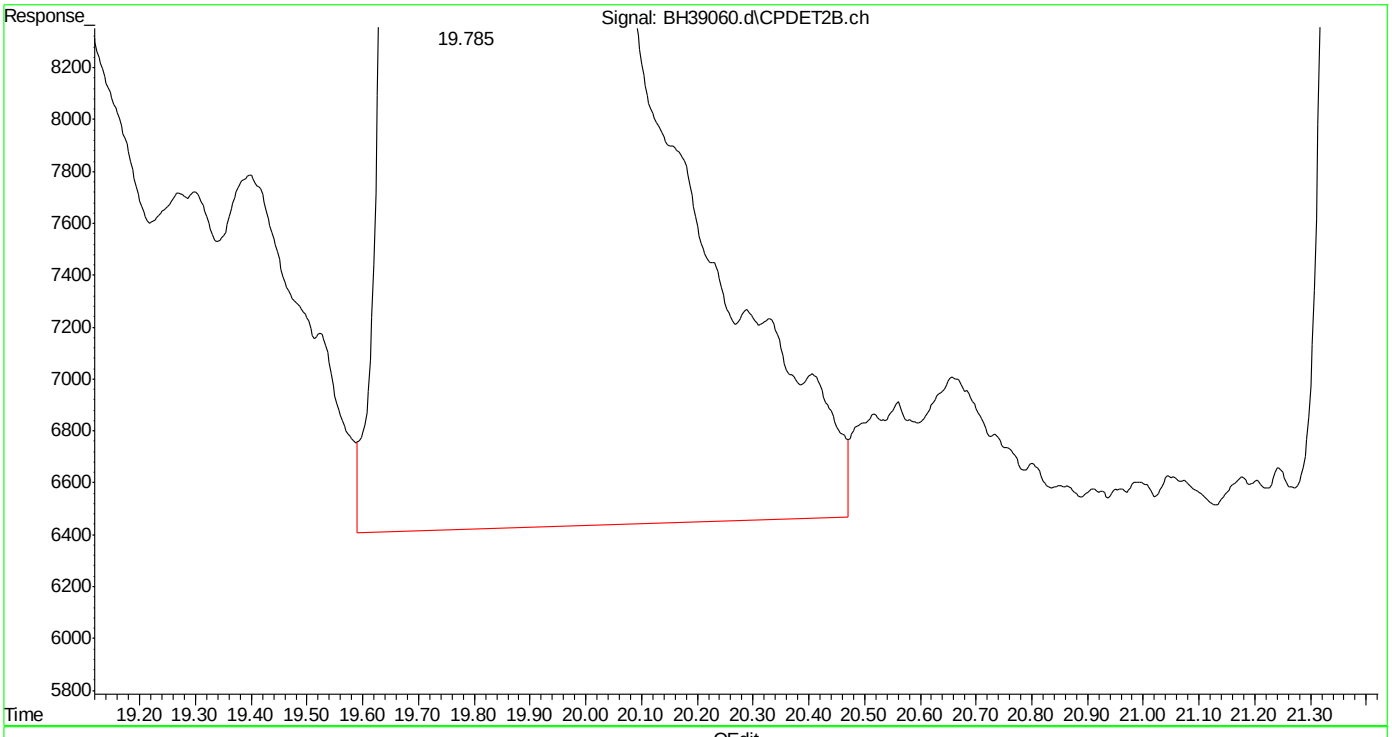
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:41:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 487.135 ppb
response 124264834

(+) = Expected Retention Time

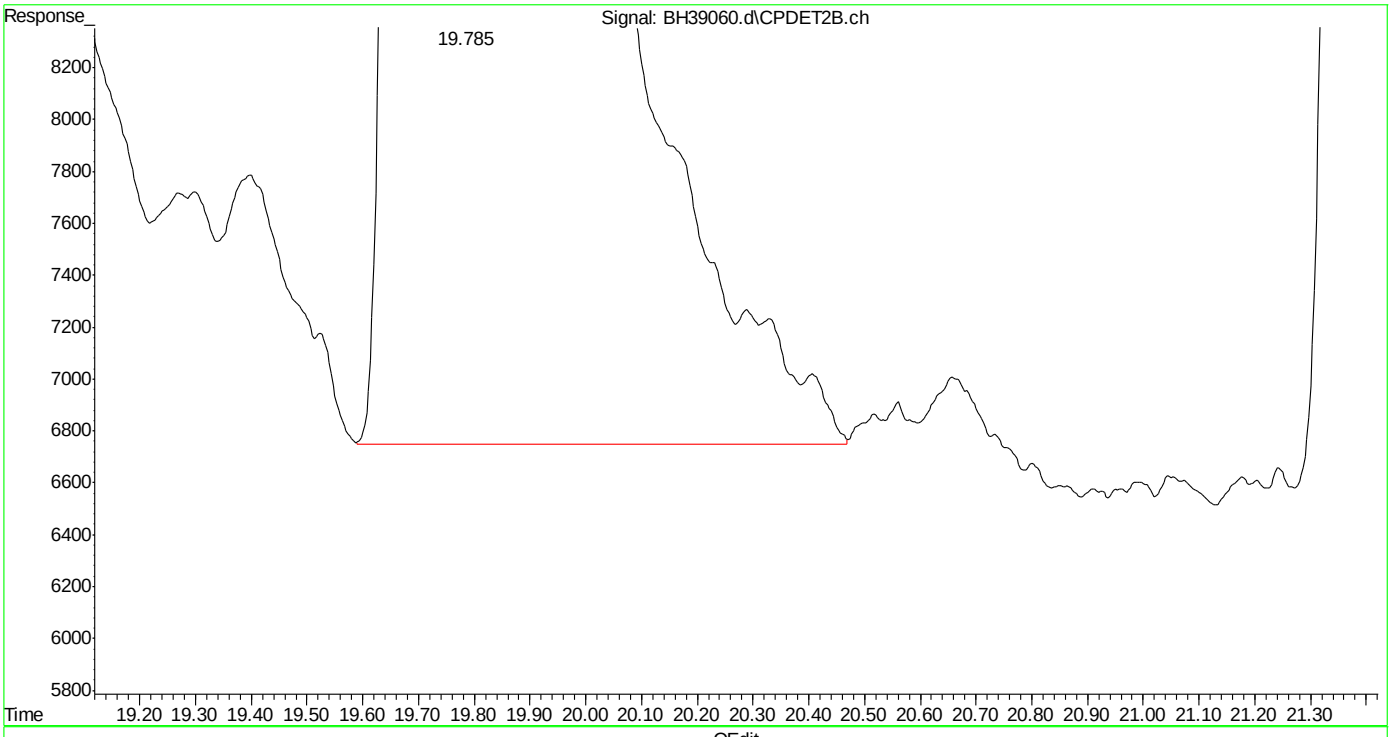
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.785min 486.495 ppb m
response 124101670

(+) = Expected Retention Time

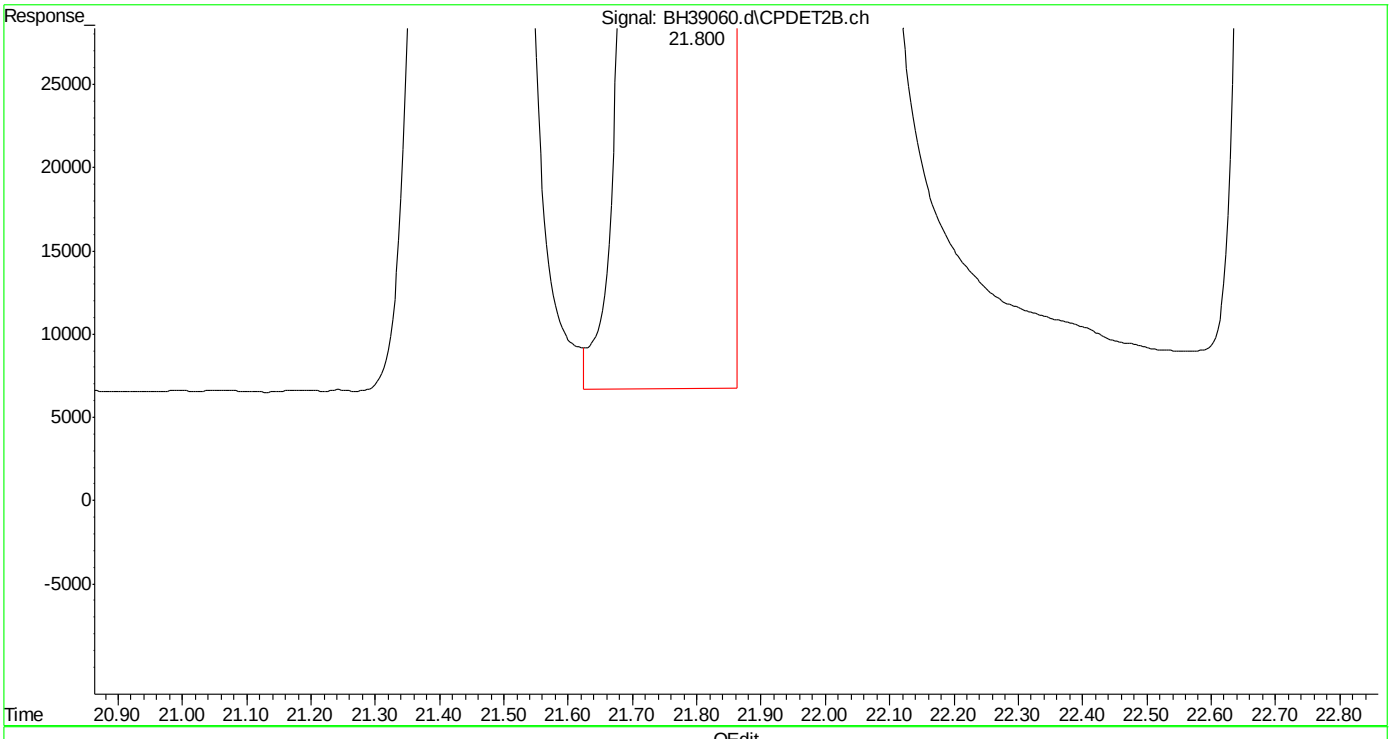
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.802min 502.347 ppb
response 274356102

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:02 2016

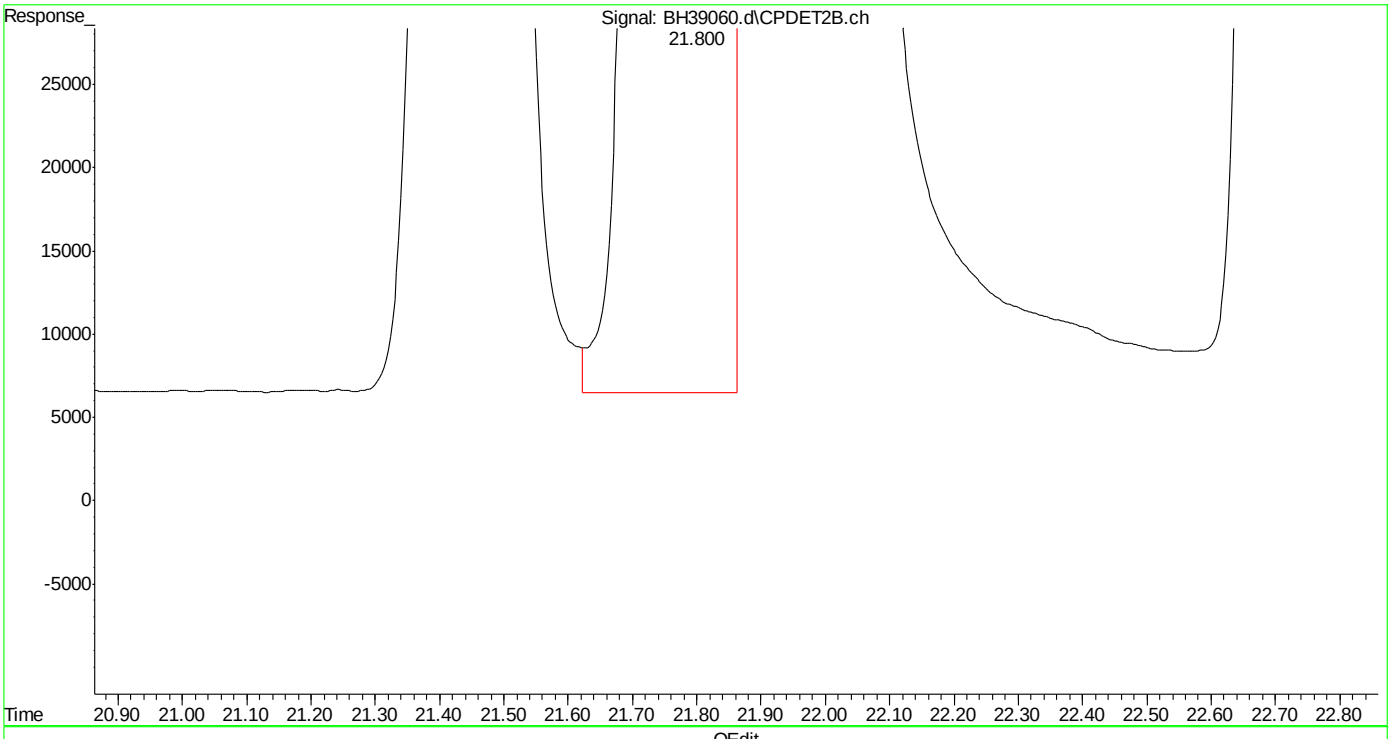
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.800min 502.899 ppb m
response 274657681

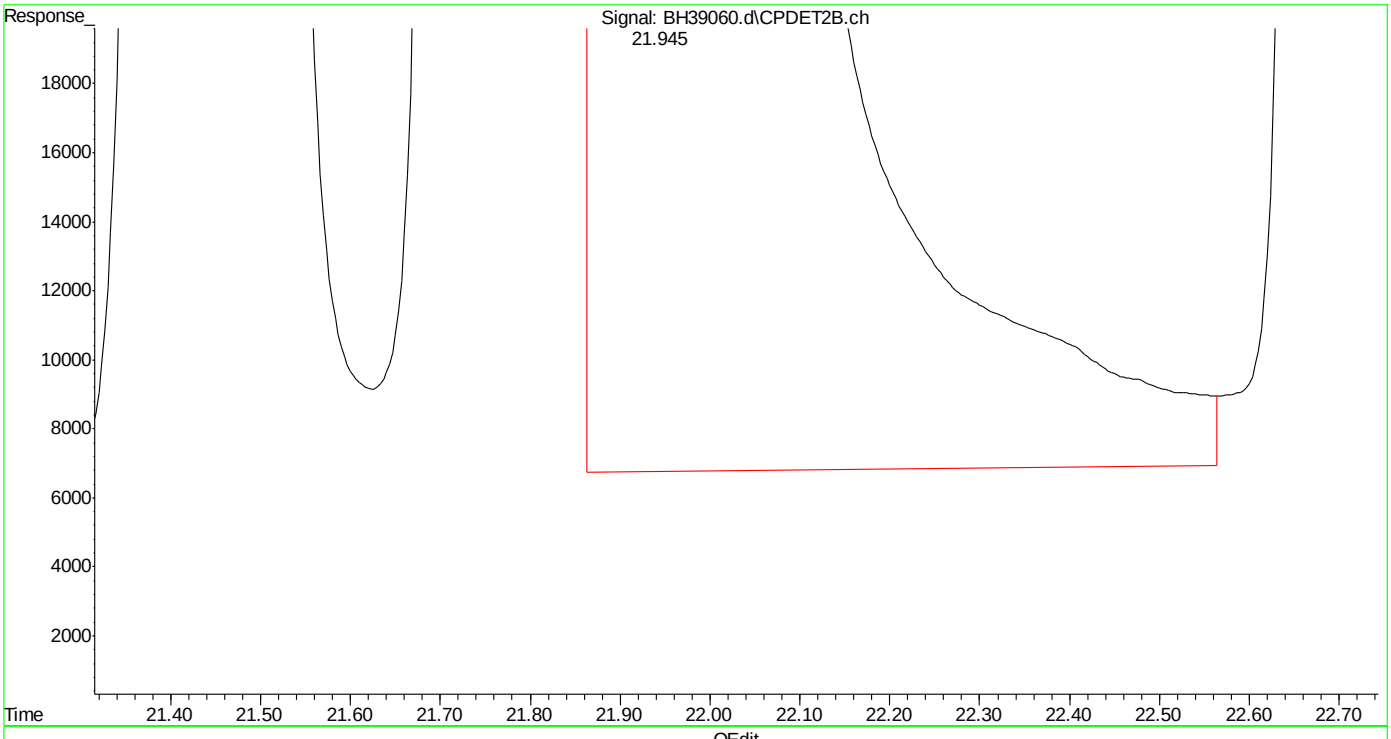
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:09 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.947min 978.497 ppb
response 656507453

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:23 2016 Page: 1

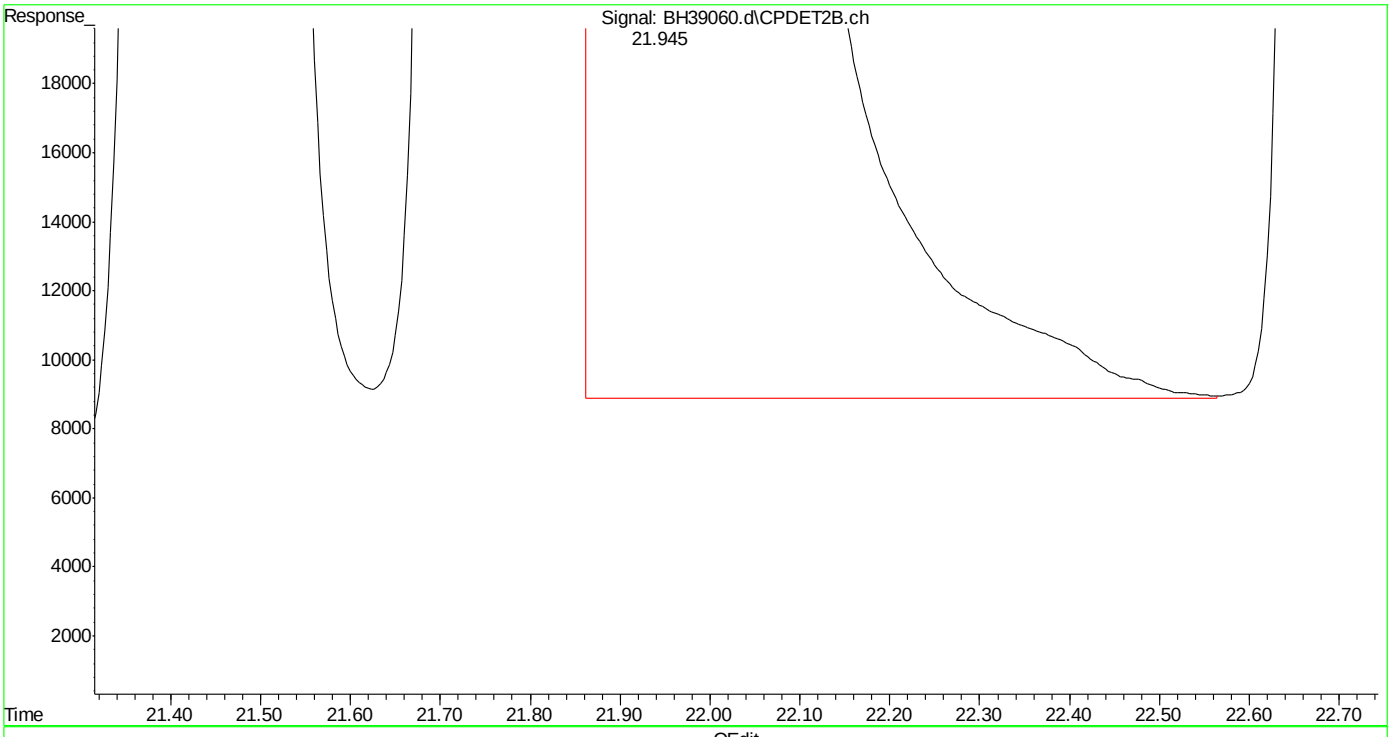
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.945min 977.459 ppb m
response 655811356

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:30 2016 Page: 1

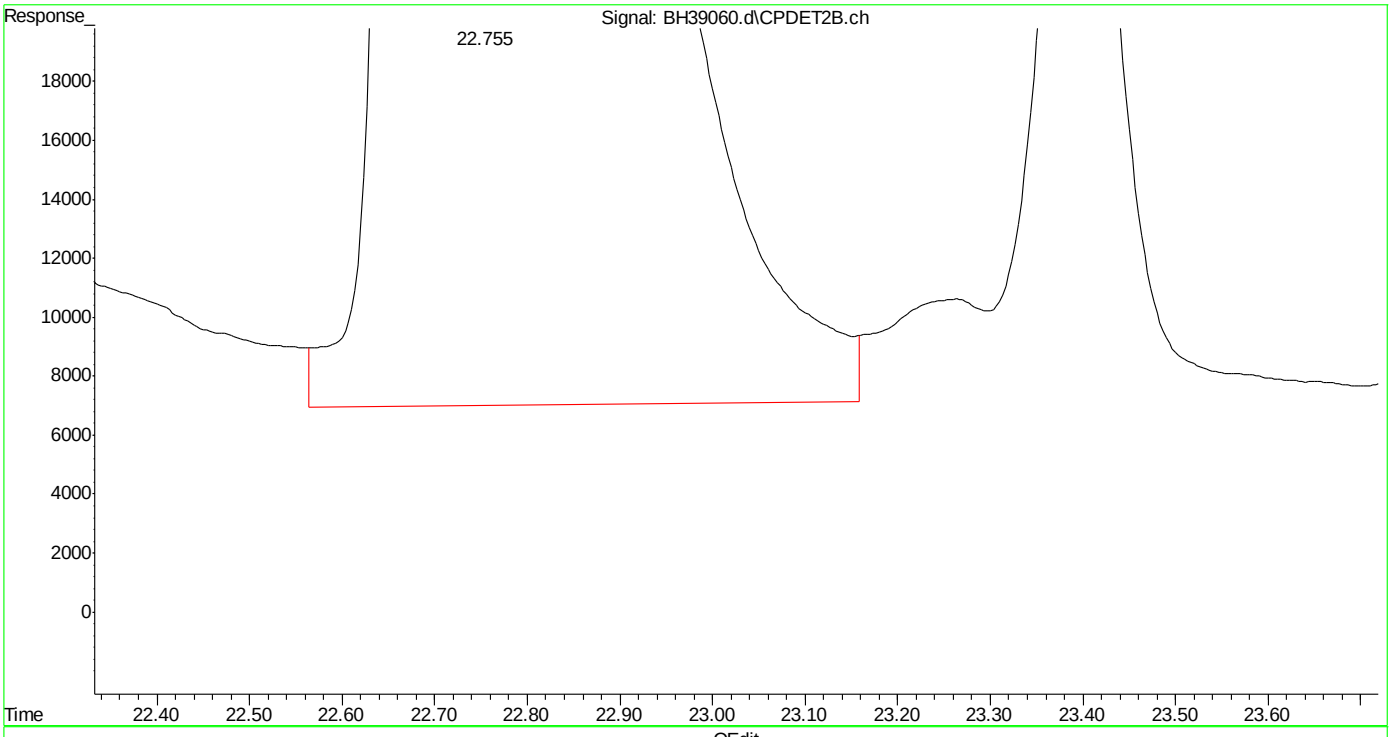
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.756min 491.134 ppb
response 287146502

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:35 2016

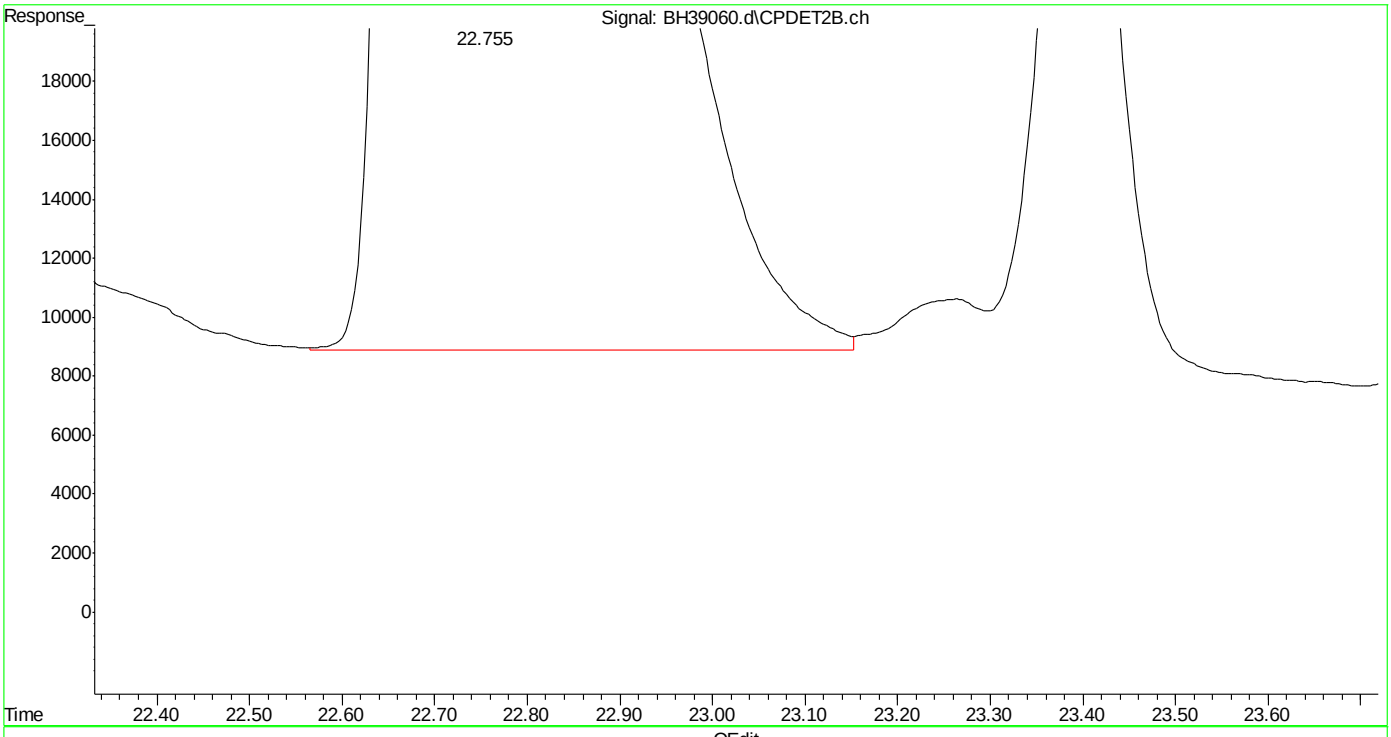
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 490.006 ppb m
response 286487107

(+) = Expected Retention Time

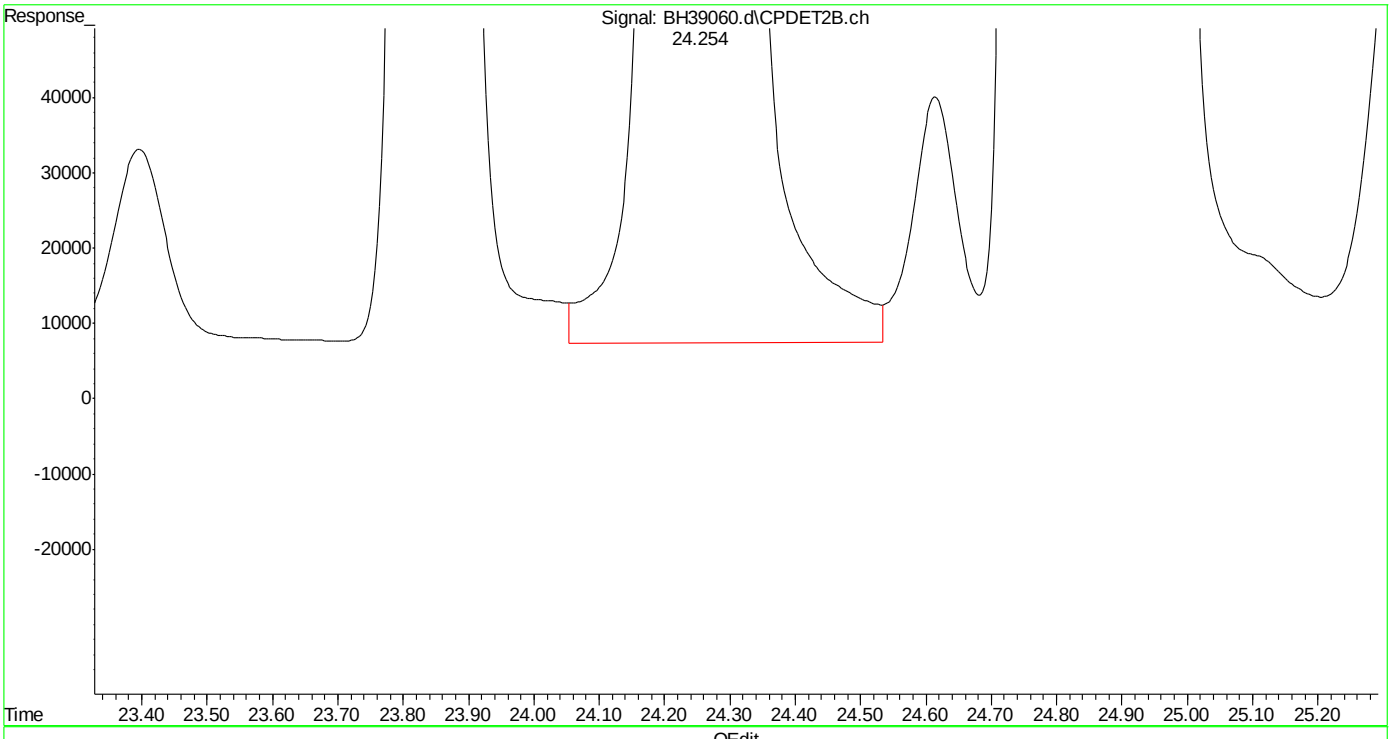
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.256min 471.241 ppb
response 399320795

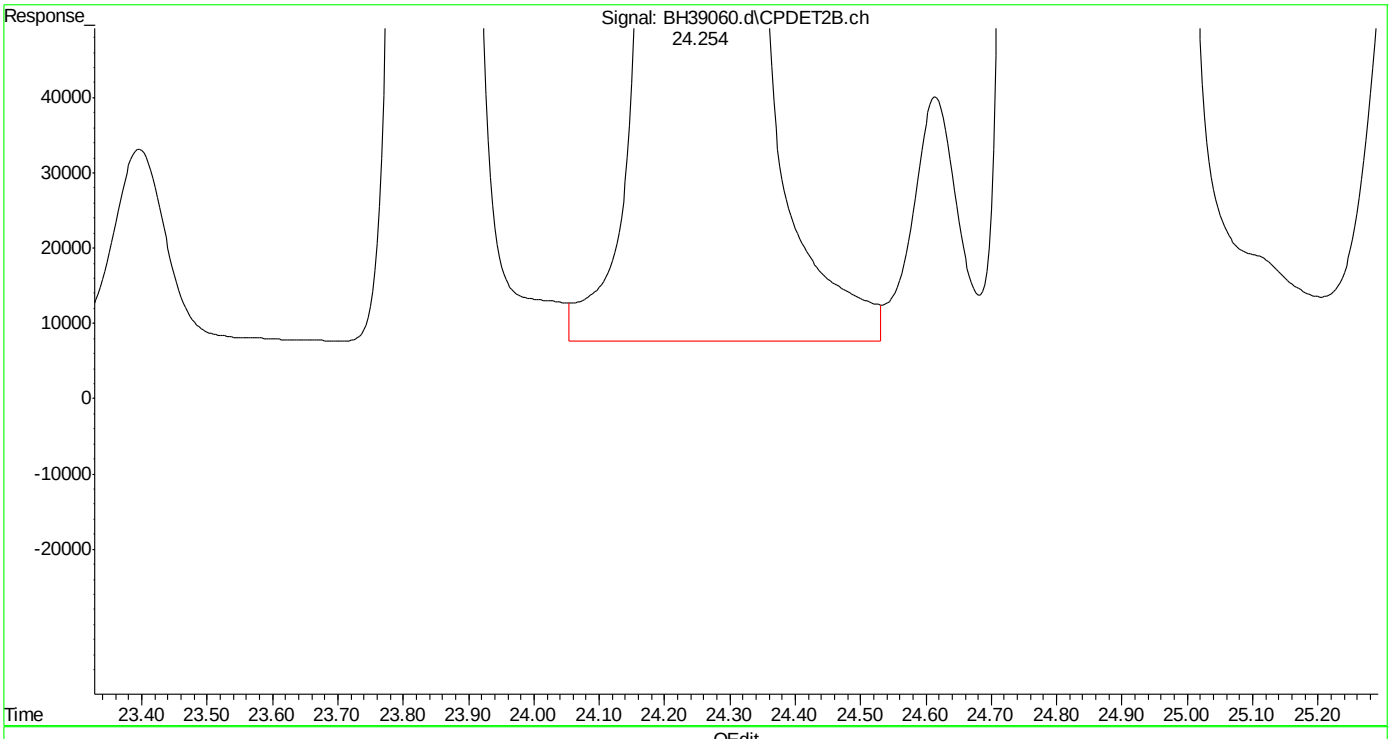
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:47 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.254min 471.160 ppb m
response 399252346

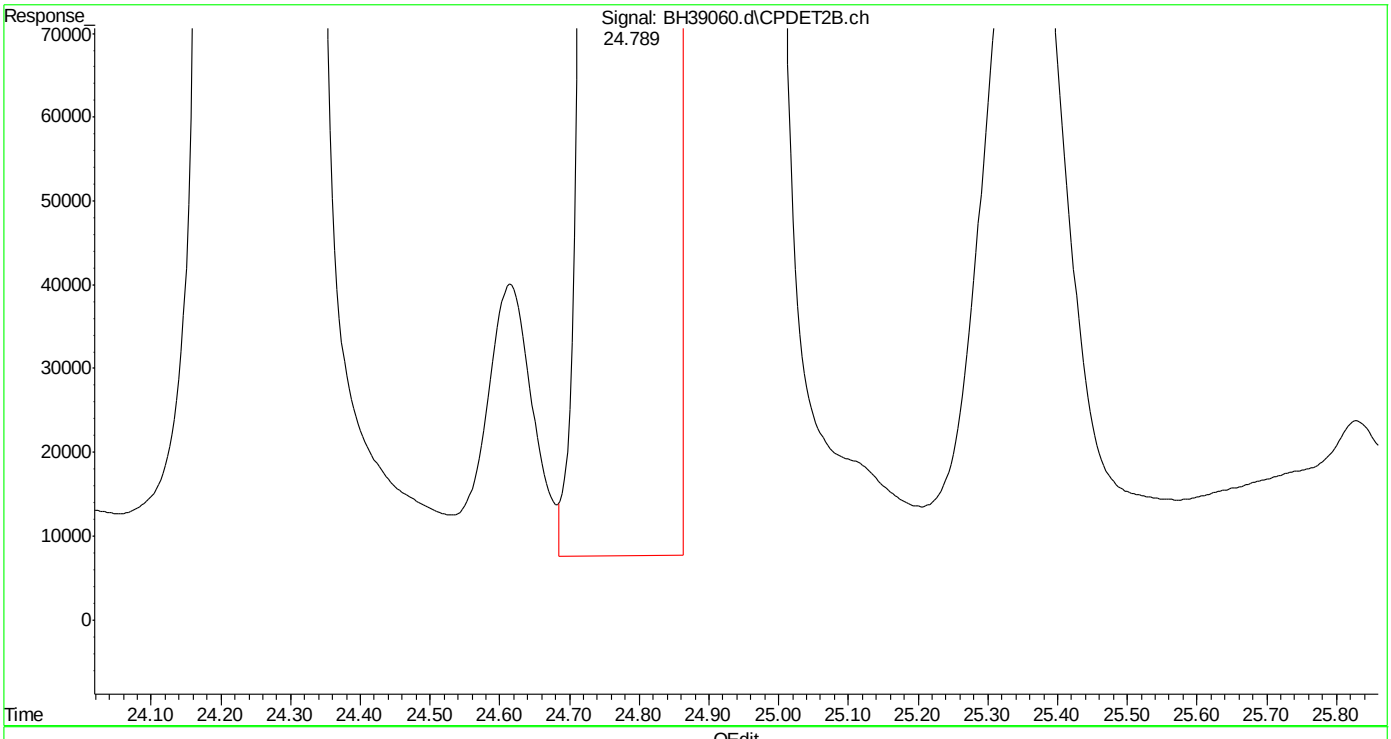
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:42:58 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.791min 464.067 ppb
response 304142136

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:43:02 2016

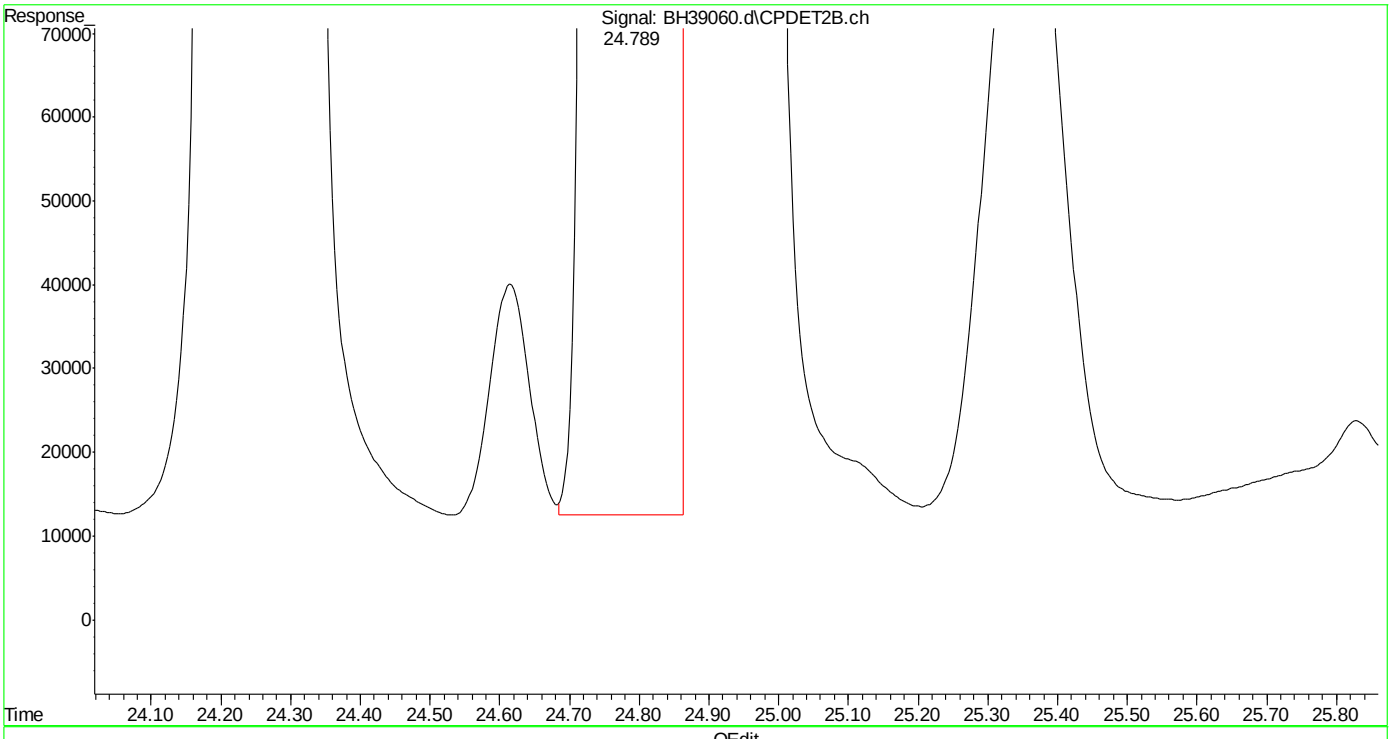
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 463.006 ppb m
response 303447138

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:43:10 2016

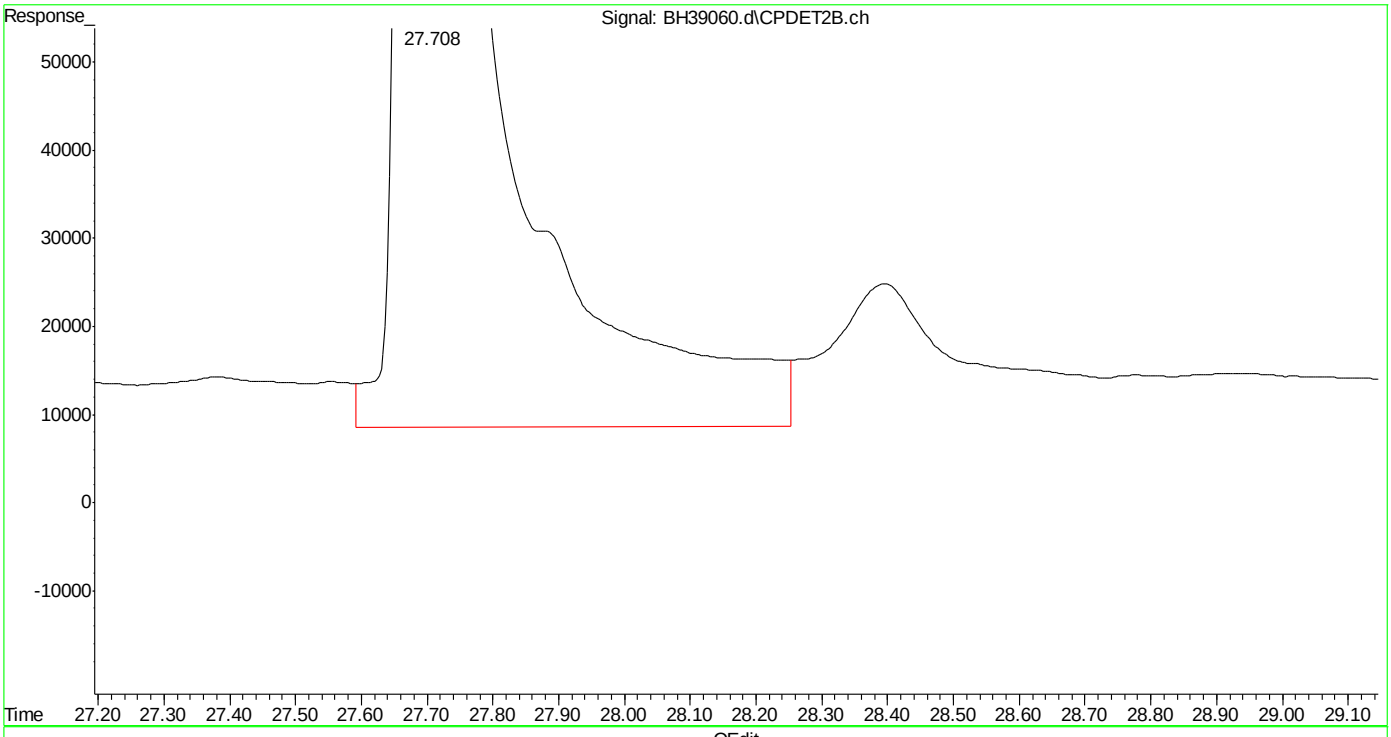
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.710min 407.797 ppb
response 233352165

(+) = Expected Retention Time

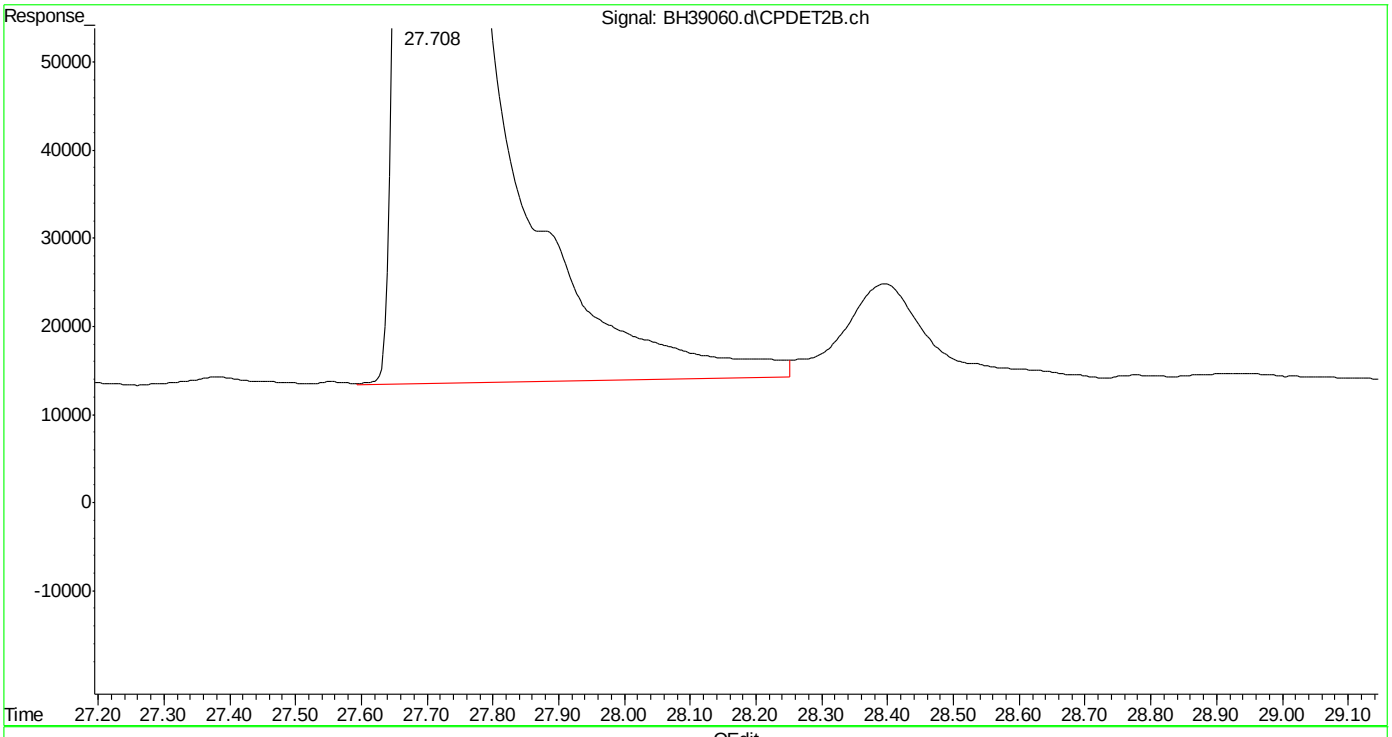
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39060.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 9:38 am
Operator : danielf
Sample : ic2295-500
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:37:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:36:17 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 404.162 ppb m
response 231271820

(+) = Expected Retention Time

SGS ACCUTEST MC45857

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:36:02 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
6) s fluorobenzene	14.670	223809943	236.180 ppb	m
Spiked Amount 50.000		Recovery	= 472.36%	
9) s 2,3,4-trifluorotoluene	19.784	188329255	228.073 ppb	m
Spiked Amount 50.000		Recovery	= 456.15%	
25) s fluorobenzene #2	14.670	98656019	240.591 ppb	m
Spiked Amount 50.000		Recovery	= 481.18%	
27) s 2,3,4-trifluorotoluen...	19.784	59896935	232.449 ppb	m
Spiked Amount 50.000		Recovery	= 464.90%	
Target Compounds				
1) h rt5.5-7	5.980	213573031	232.155 ppb	m
2) h rt7/10	8.250	237789720	229.888 ppb	m
3) t mtbe	9.014	148221117	234.393 ppb	m
4) h rt10/13	13.360	275524064	215.873 ppb	m
5) t benzene	14.169	283924309	232.085 ppb	
8) t toluene	18.665	287647681	234.574 ppb	m
11) h rt20/25	21.460	263984486	223.615 ppb	m
13) t ethylbenzene	21.799	292386841	242.924 ppb	m
14) t m,p-xylene	21.944	604345701	478.023 ppb	m
15) t o-xylene	22.754	304628584	235.568 ppb	m
16) h decane	23.856	275077235	230.320 ppb	m
17) t 1,3,5-trimethylbenzene	24.254	316087614	231.126 ppb	m
18) t 1,2,4-trimethylbenzene	24.789	312370576	224.082 ppb	m
19) h butylcyclohexane	24.940	294238593	228.669 ppb	m
20) t naphthalene	27.708	185177296	214.383 ppb	m
23) t mtbe #2	9.015	69107837	240.742 ppb	m
24) t benzene #2	14.167	156430291	232.950 ppb	m
26) t toluene #2	18.665	147395455	235.714 ppb	m
28) t ethylbenzene #2	21.799	132881798	242.226 ppb	m
29) t m,p-xylene #2	21.943	318061300	469.993 ppb	m
30) t o-xylene #2	22.754	138866543	235.556 ppb	m
31) t 1,3,5-trimethylbenzen...	24.253	197934709	231.055 ppb	m
32) t 1,2,4-trimethylbenzen...	24.788	151307419	227.961 ppb	m
33) t naphthalene #2	27.707	123172740	210.379 ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	150904765	227.206 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

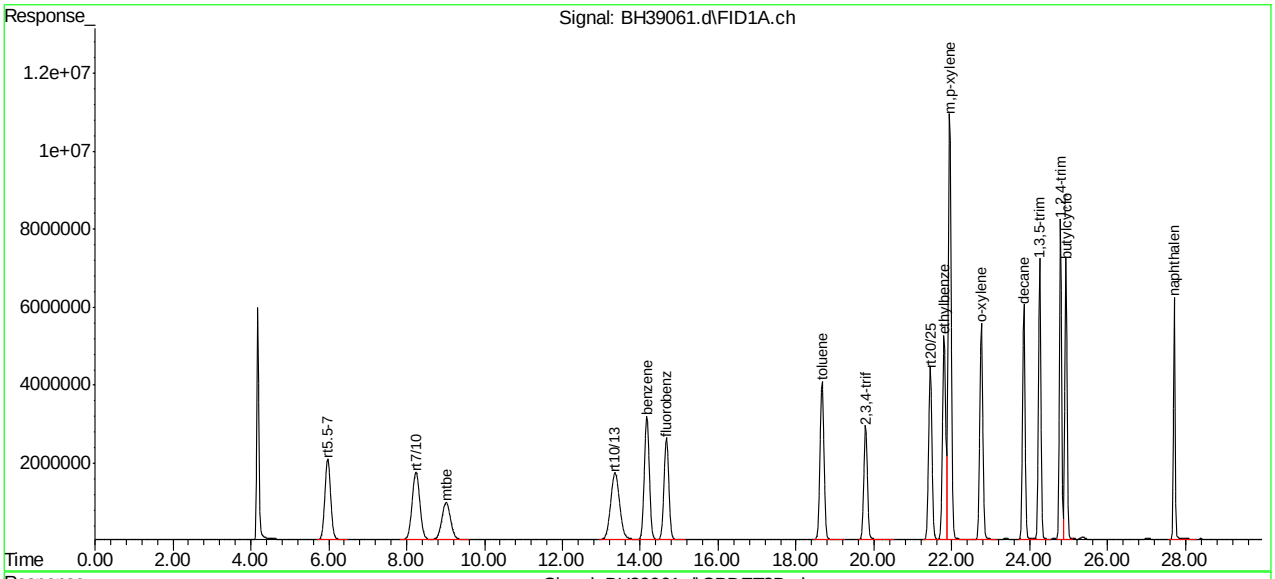
SGS ACCUTEST MC45857

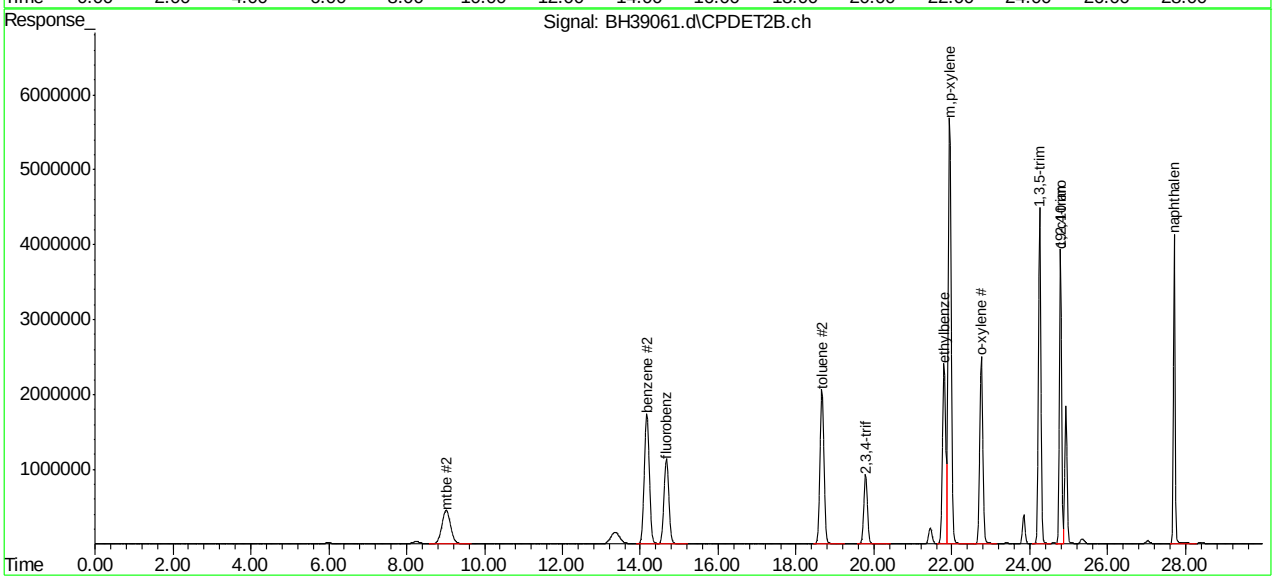
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

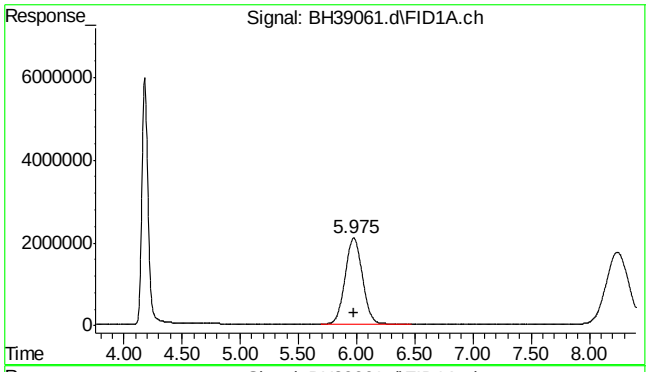
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:36:02 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



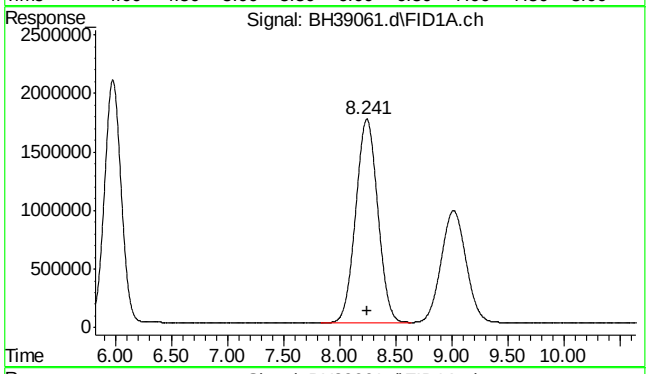


SGS ACCUTEST MC45857



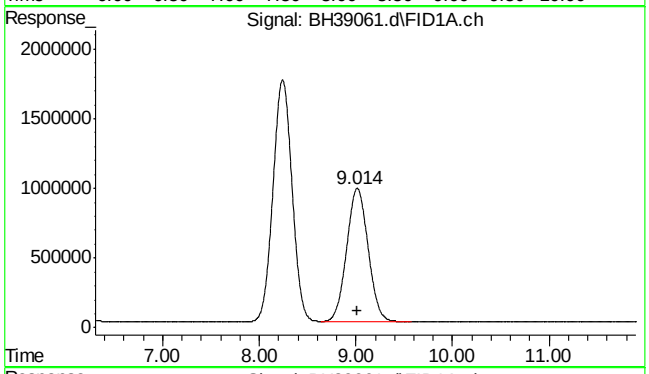
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 213573031
Conc: 232.15 ppb m



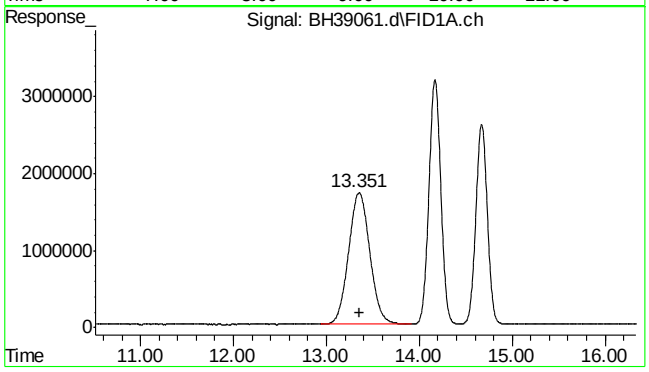
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 237789720
Conc: 229.89 ppb m



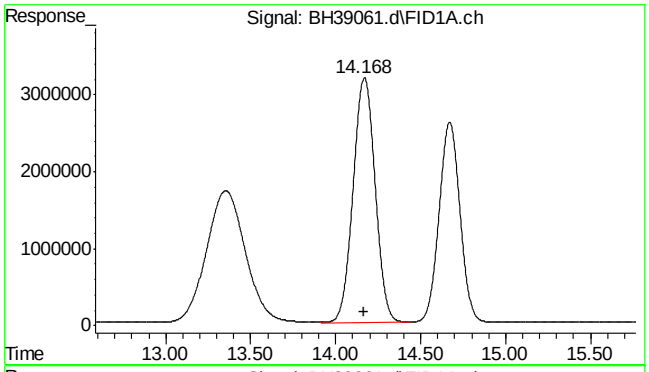
#3 mtbe

R.T.: 9.014 min
Delta R.T.: 0.001 min
Response: 148221117
Conc: 234.39 ppb m



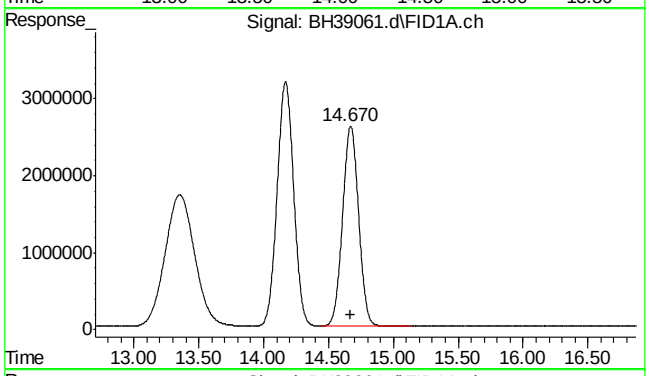
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 275524064
Conc: 215.87 ppb m



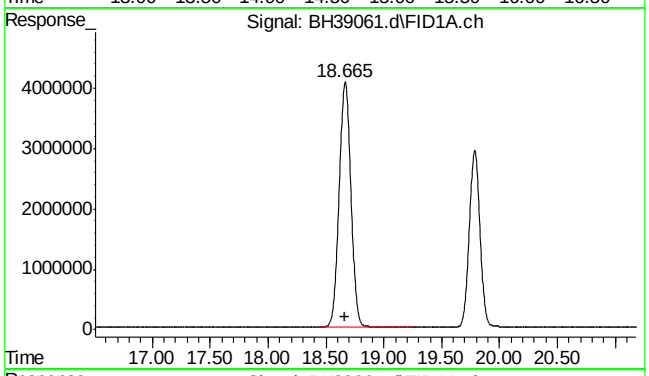
#5 benzene

R.T.: 14.169 min
Delta R.T.: 0.003 min
Response: 283924309
Conc: 232.09 ppb



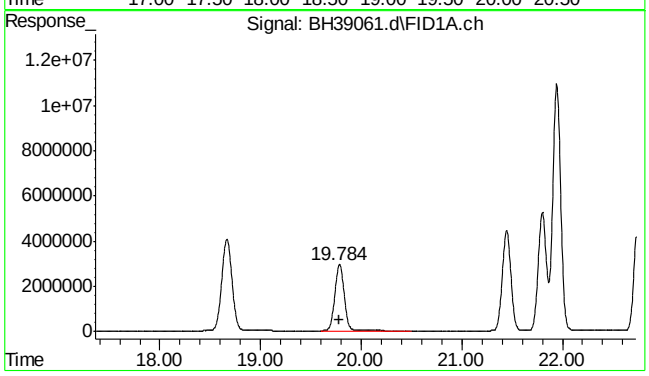
#6 fluorobenzene

R.T.: 14.670 min
Delta R.T.: 0.001 min
Response: 223809943
Conc: 236.18 ppb m



#8 toluene

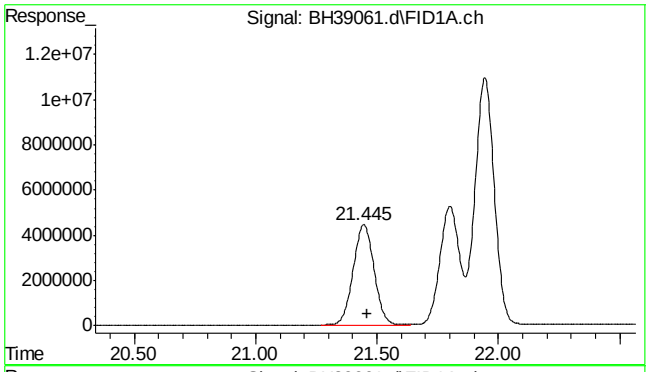
R.T.: 18.665 min
Delta R.T.: 0.001 min
Response: 287647681
Conc: 234.57 ppb m



#9 2,3,4-trifluorotoluene

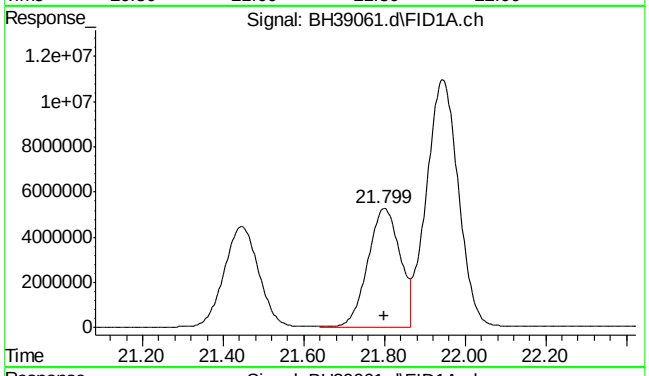
R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 188329255
Conc: 228.07 ppb m

SGS ACCUTEST MC45857



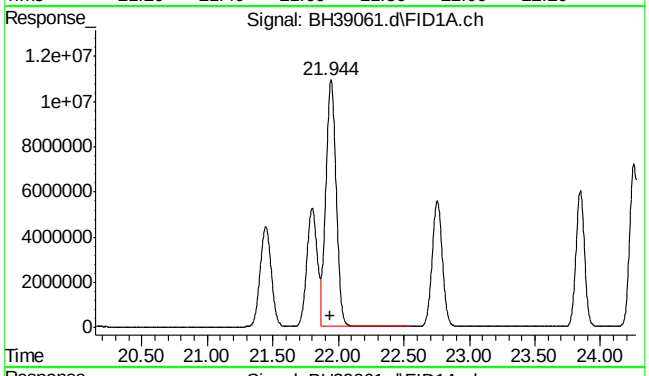
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 263984486
Conc: 223.61 ppb m



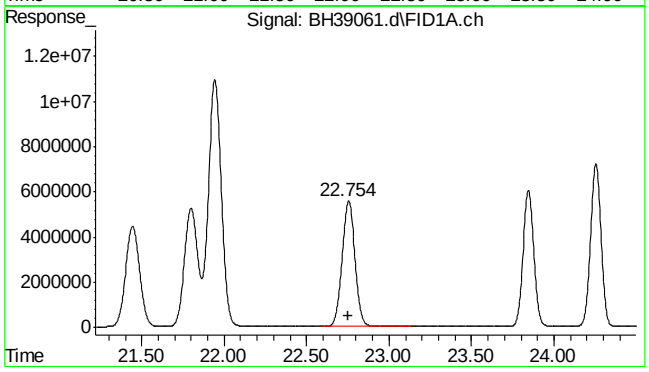
#13 ethylbenzene

R.T.: 21.799 min
Delta R.T.: 0.001 min
Response: 292386841
Conc: 242.92 ppb m



#14 m,p-xylene

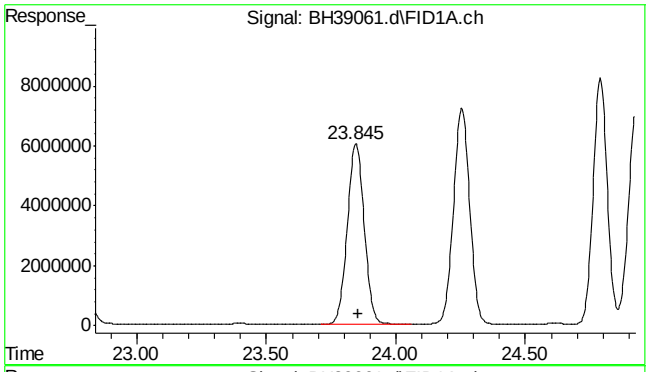
R.T.: 21.944 min
Delta R.T.: 0.002 min
Response: 604345701
Conc: 478.02 ppb m



#15 o-xylene

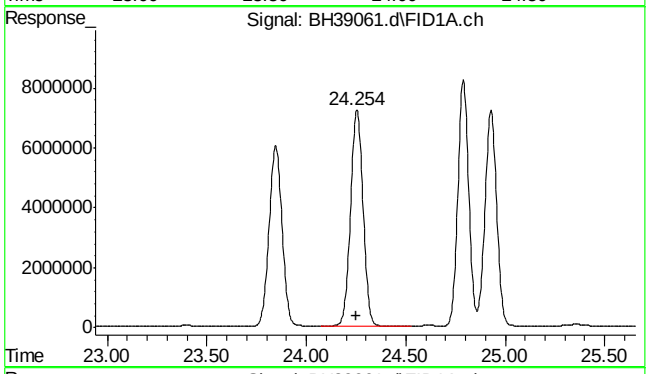
R.T.: 22.754 min
Delta R.T.: 0.001 min
Response: 304628584
Conc: 235.57 ppb m

SGS ACCUTEST MC45857



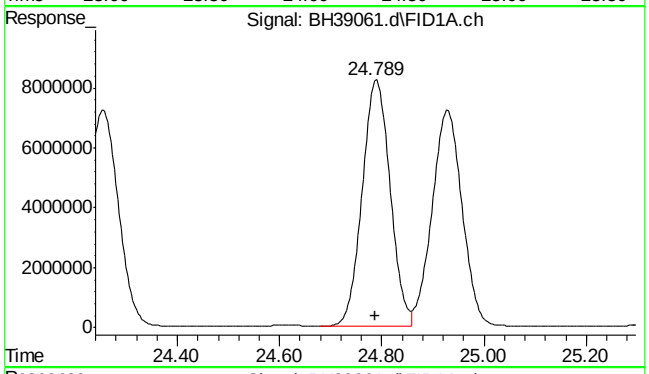
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 275077235
Conc: 230.32 ppb m



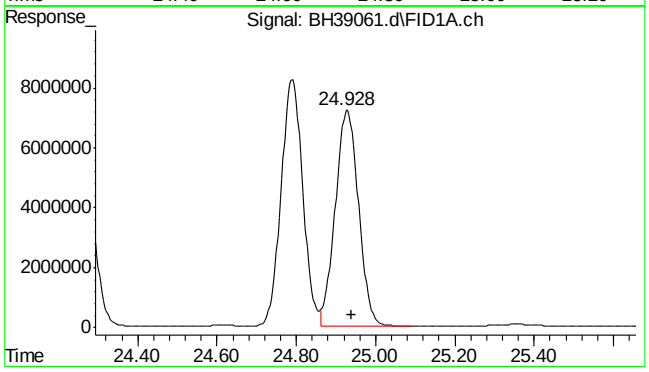
#17 1,3,5-trimethylbenzene

R.T.: 24.254 min
Delta R.T.: 0.002 min
Response: 316087614
Conc: 231.13 ppb m



#18 1,2,4-trimethylbenzene

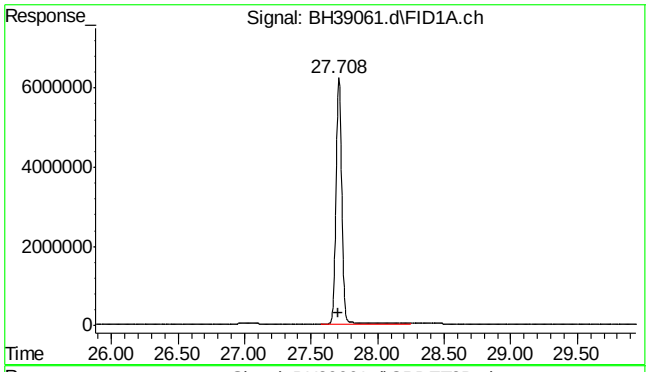
R.T.: 24.789 min
Delta R.T.: 0.000 min
Response: 312370576
Conc: 224.08 ppb m



#19 butylcyclohexane

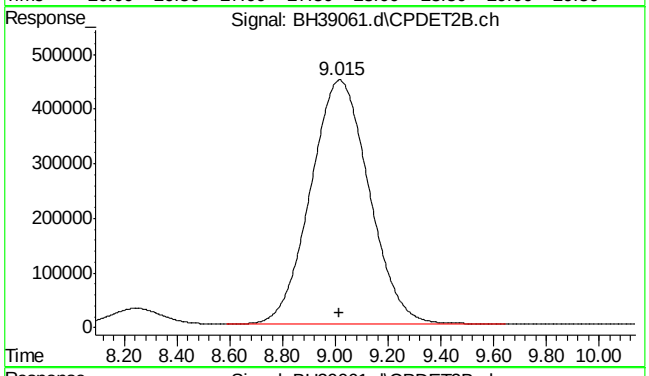
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 294238593
Conc: 228.67 ppb m

SGS ACCUTEST MC45857



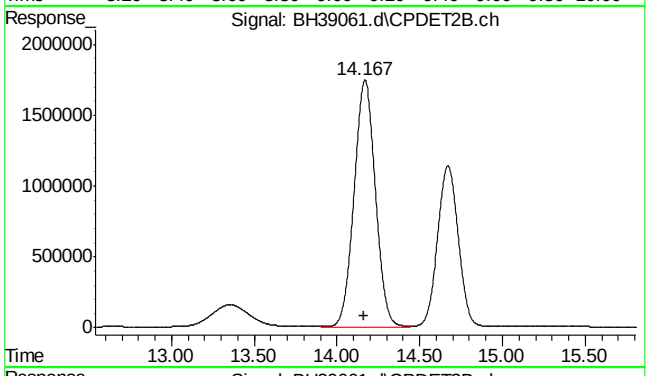
#20 naphthalene

R.T.: 27.708 min
Delta R.T.: 0.000 min
Response: 185177296
Conc: 214.38 ppb m



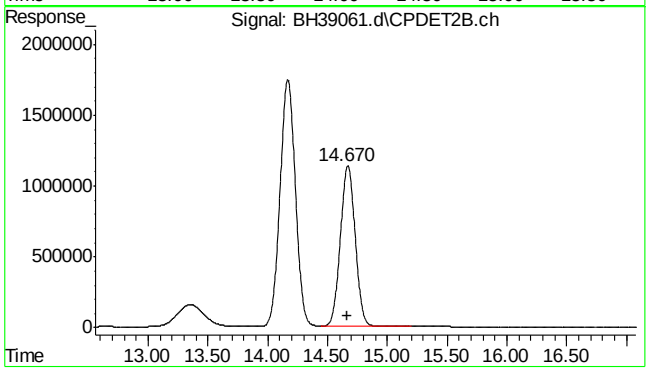
#23 mtbe #2

R.T.: 9.015 min
Delta R.T.: 0.002 min
Response: 69107837
Conc: 240.74 ppb m



#24 benzene #2

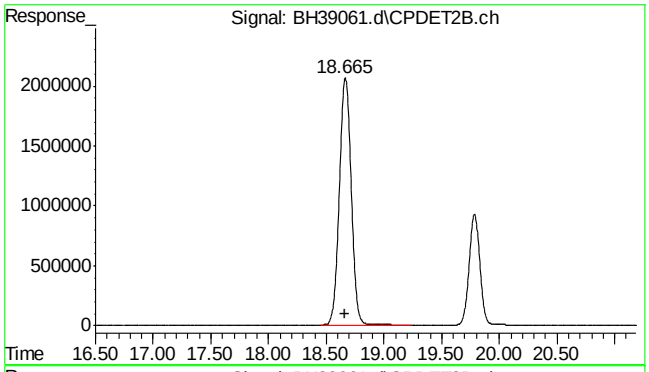
R.T.: 14.167 min
Delta R.T.: 0.001 min
Response: 156430291
Conc: 232.95 ppb m



#25 fluorobenzene #2

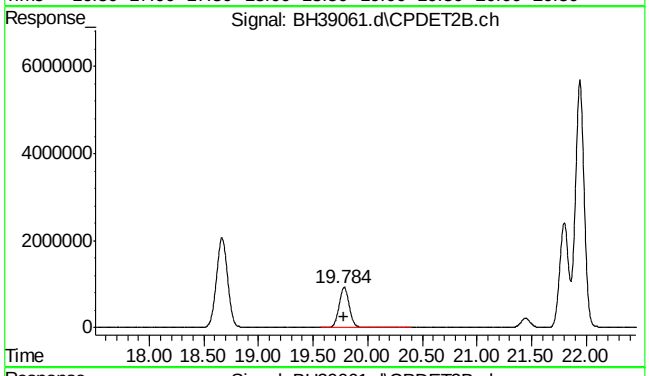
R.T.: 14.670 min
Delta R.T.: 0.002 min
Response: 98656019
Conc: 240.59 ppb m

SGS ACCUTEST MC45857



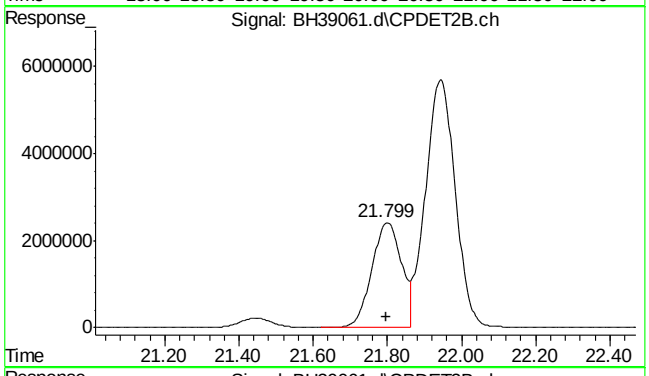
#26 toluene #2

R.T.: 18.665 min
Delta R.T.: 0.000 min
Response: 147395455
Conc: 235.71 ppb m



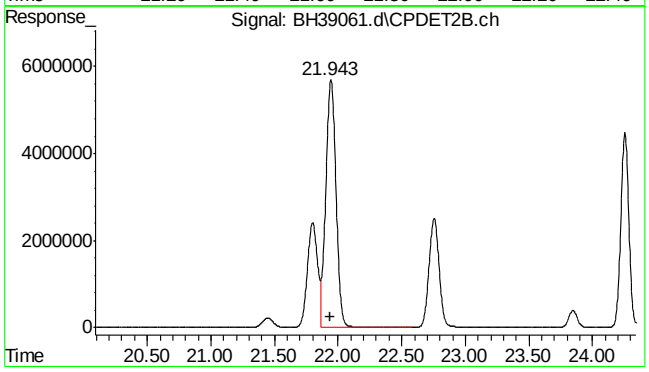
#27 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 59896935
Conc: 232.45 ppb m



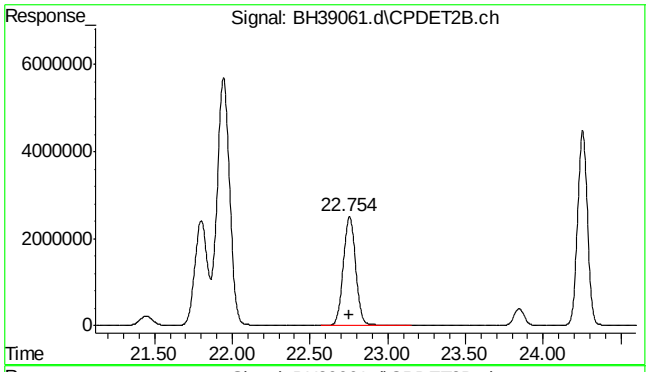
#28 ethylbenzene #2

R.T.: 21.799 min
Delta R.T.: 0.002 min
Response: 132881798
Conc: 242.23 ppb m



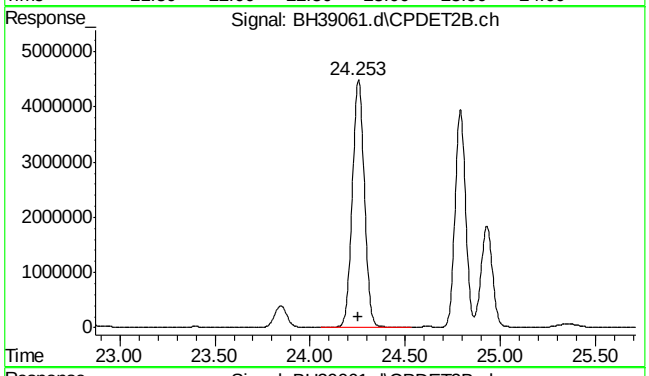
#29 m,p-xylene #2

R.T.: 21.943 min
Delta R.T.: 0.002 min
Response: 318061300
Conc: 469.99 ppb m



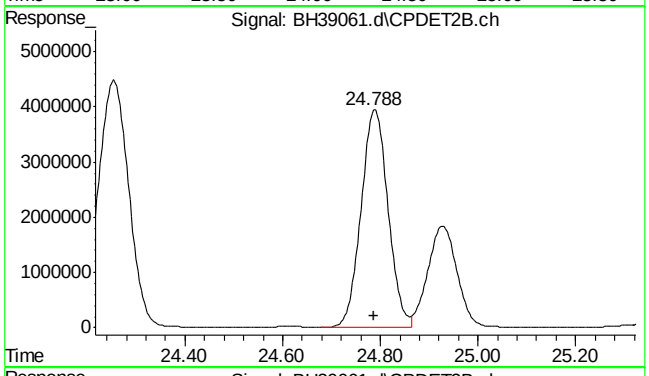
#30 o-xylene #2

R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 138866543
Conc: 235.56 ppb m



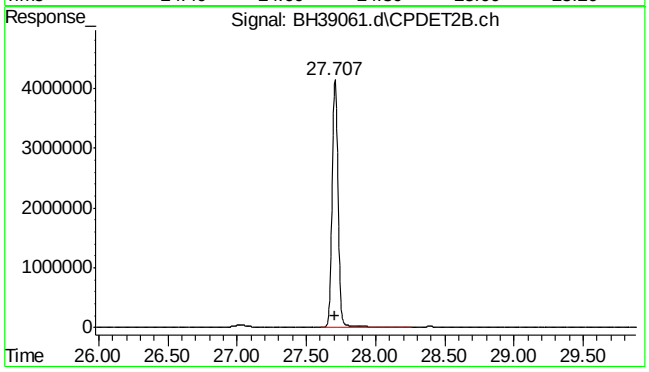
#31 1,3,5-trimethylbenzene #2

R.T.: 24.253 min
Delta R.T.: 0.001 min
Response: 197934709
Conc: 231.06 ppb m



#32 1,2,4-trimethylbenzene #2

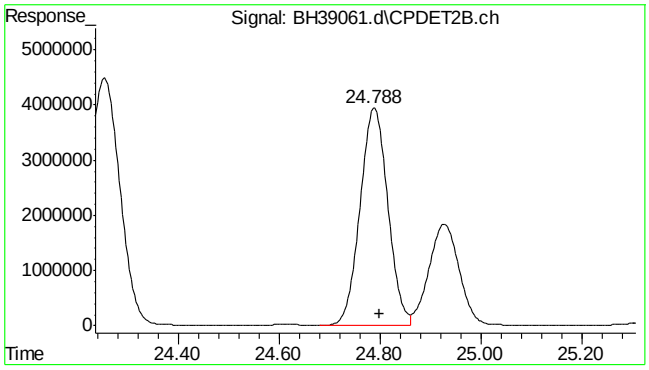
R.T.: 24.788 min
Delta R.T.: 0.001 min
Response: 151307419
Conc: 227.96 ppb m



#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.001 min
Response: 123172740
Conc: 210.38 ppb m

SGS ACCUTEST MC45857



#34 c9-c10 arom as 1,2,4-tmb

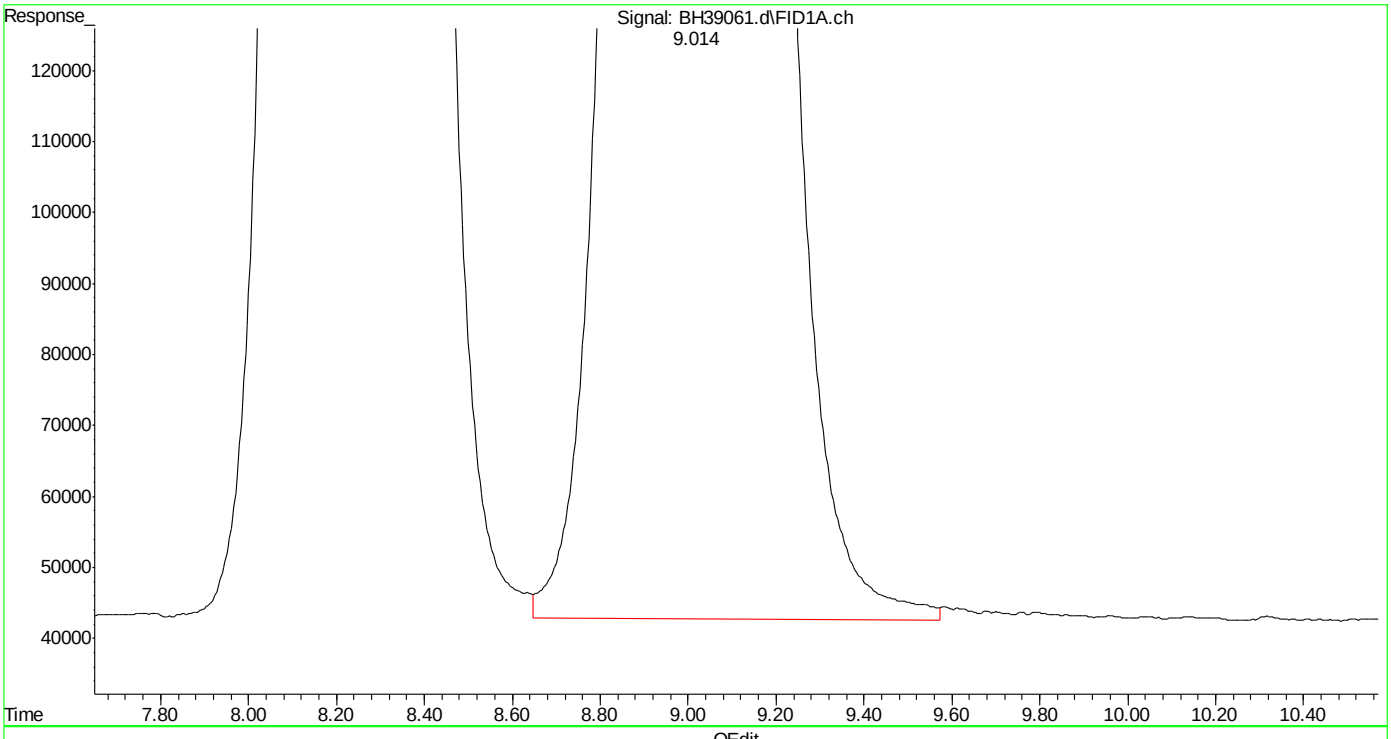
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 150904765
Conc: 227.21 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.016min 234.594 ppb
response 148348175

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:30:49 2016

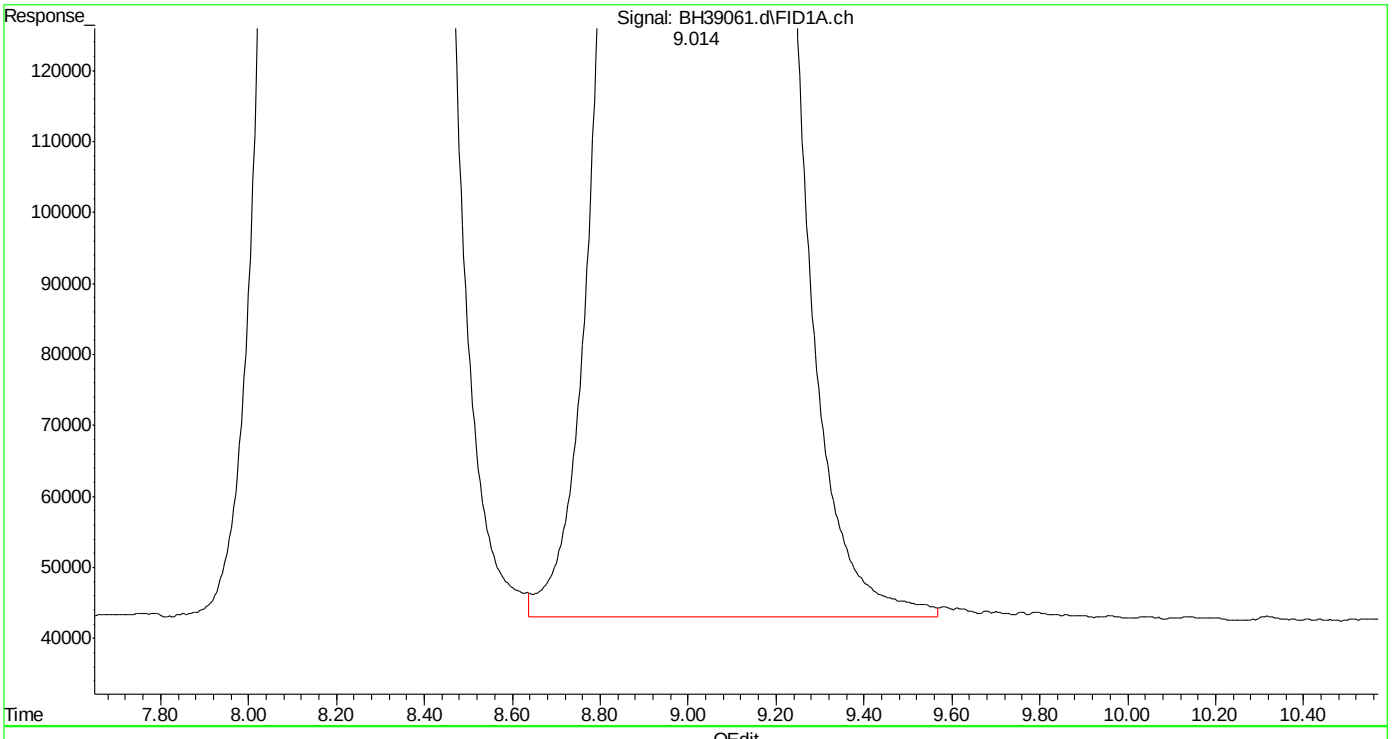
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.014min 234.393 ppb m
response 148221117

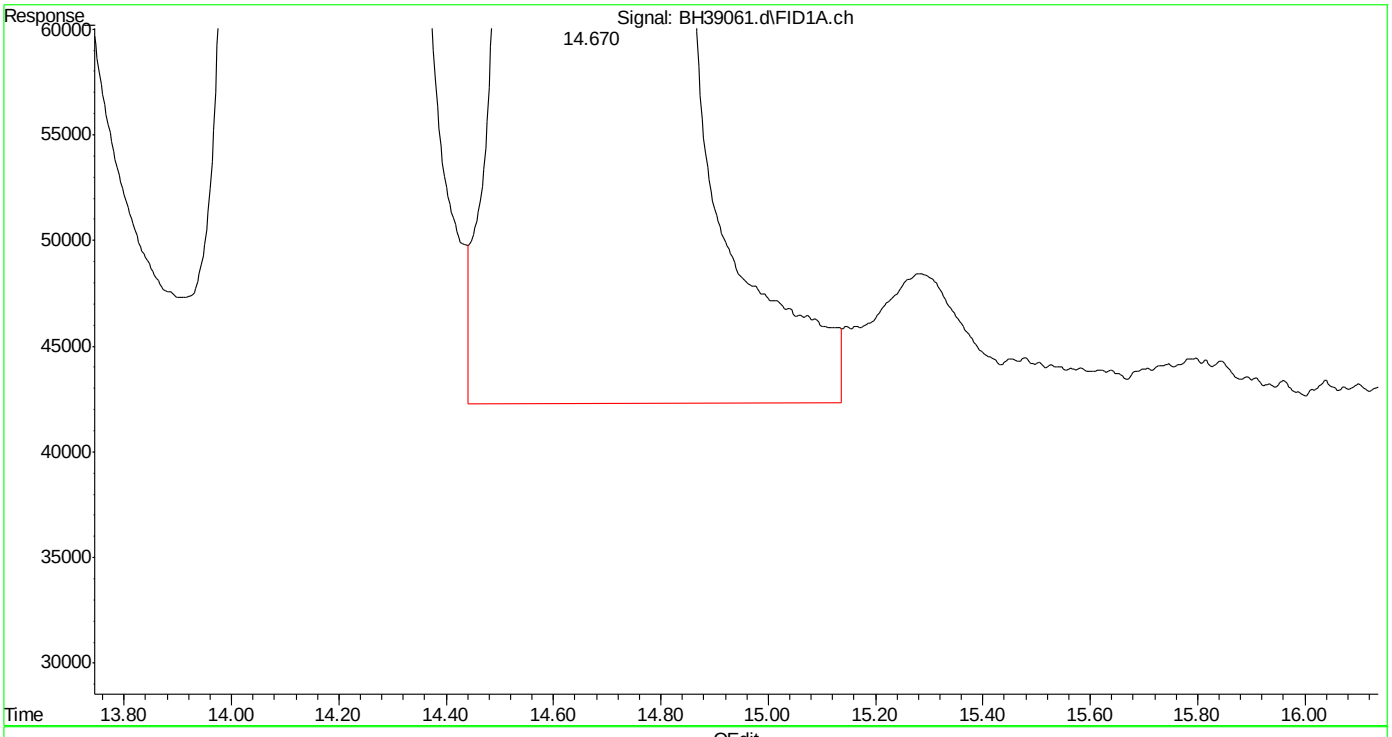
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:30:58 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.672min 237.934 ppb
response 225472377

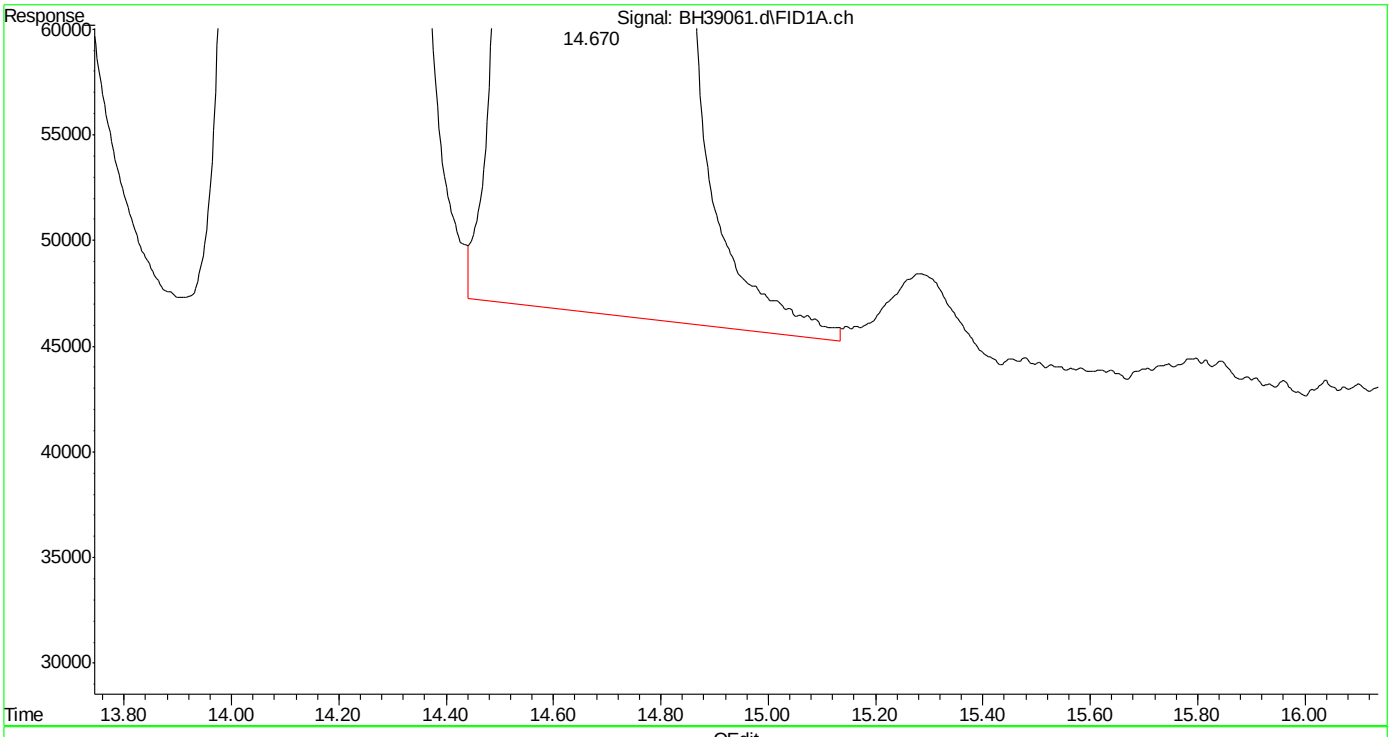
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:31:18 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.670min 236.180 ppb m
response 223809943

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:31:27 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(8) toluene (t)
18.667min 235.108 ppb
response 288301625

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:31:33 2016

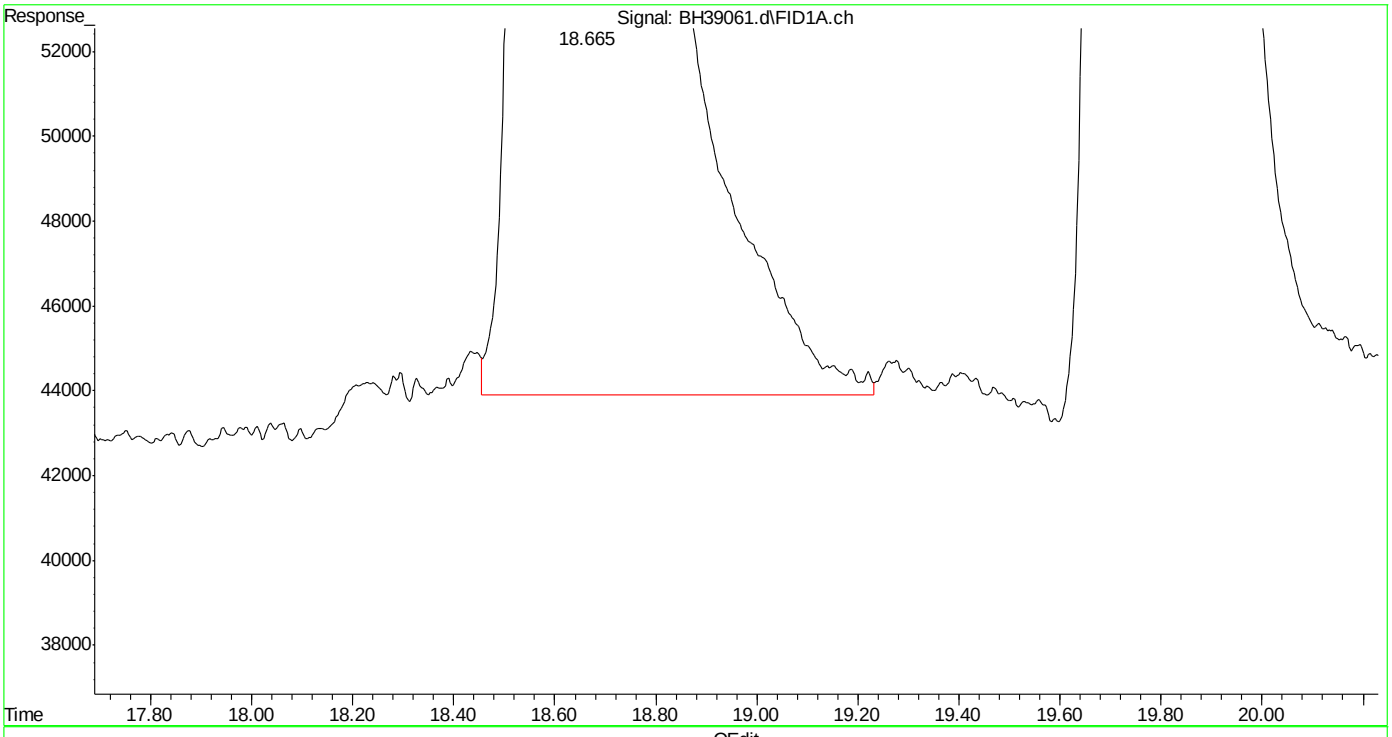
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.665min 234.574 ppb m
response 287647681

(+) = Expected Retention Time

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(9) 2,3,4-trifluorotoluene (s)
19.786min 228.296 ppb
response 188512699

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:31:45 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(9) 2,3,4-trifluorotoluene (s)
19.784min 228.073 ppb m
response 188329255

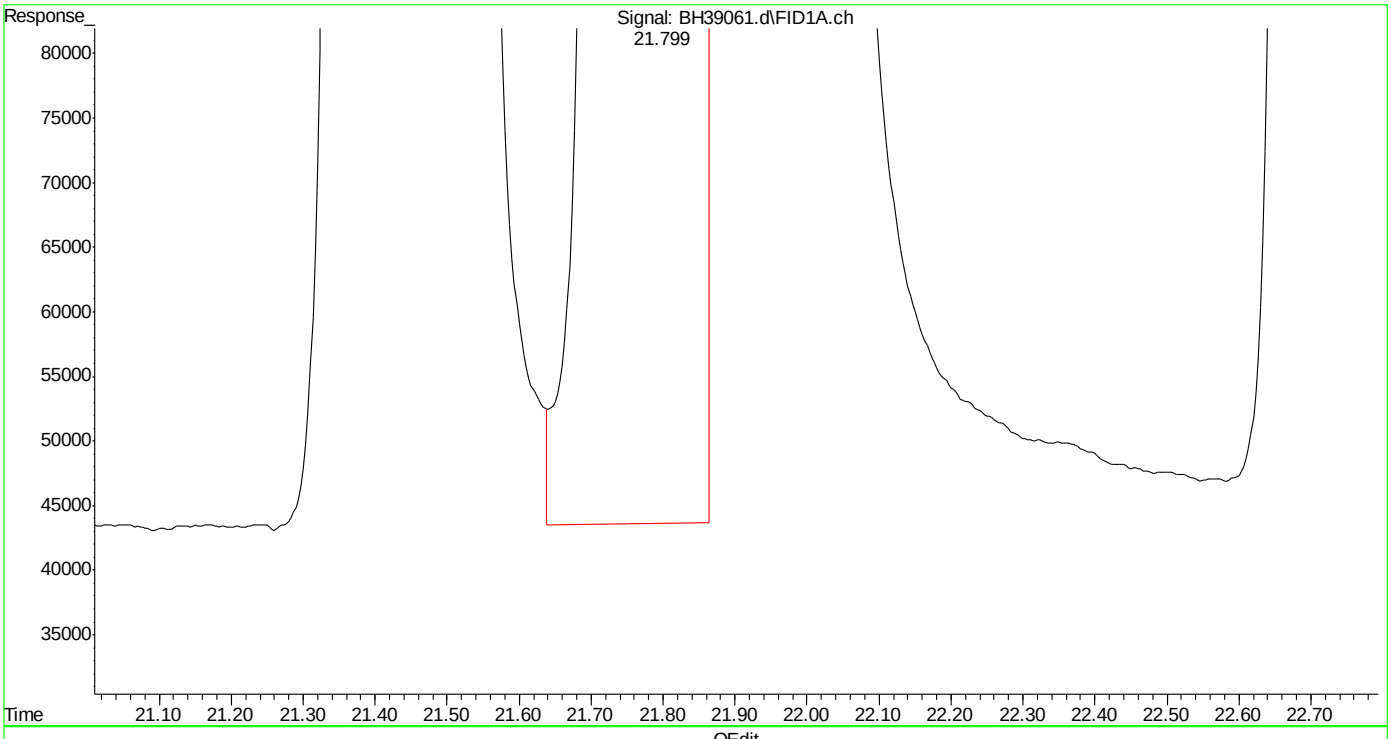
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:31:51 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.801min 239.492 ppb
response 288256369

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:32:08 2016

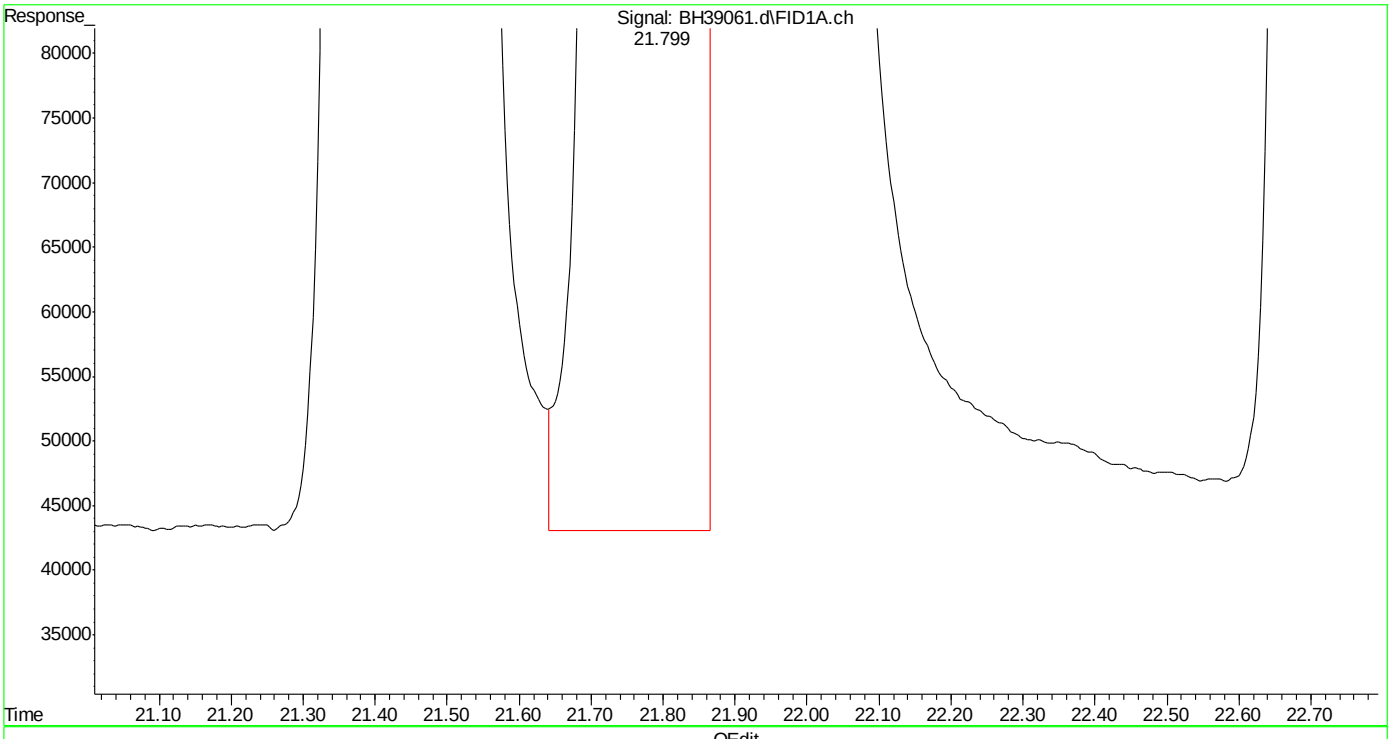
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.799min 242.924 ppb m
response 292386841

(+) = Expected Retention Time

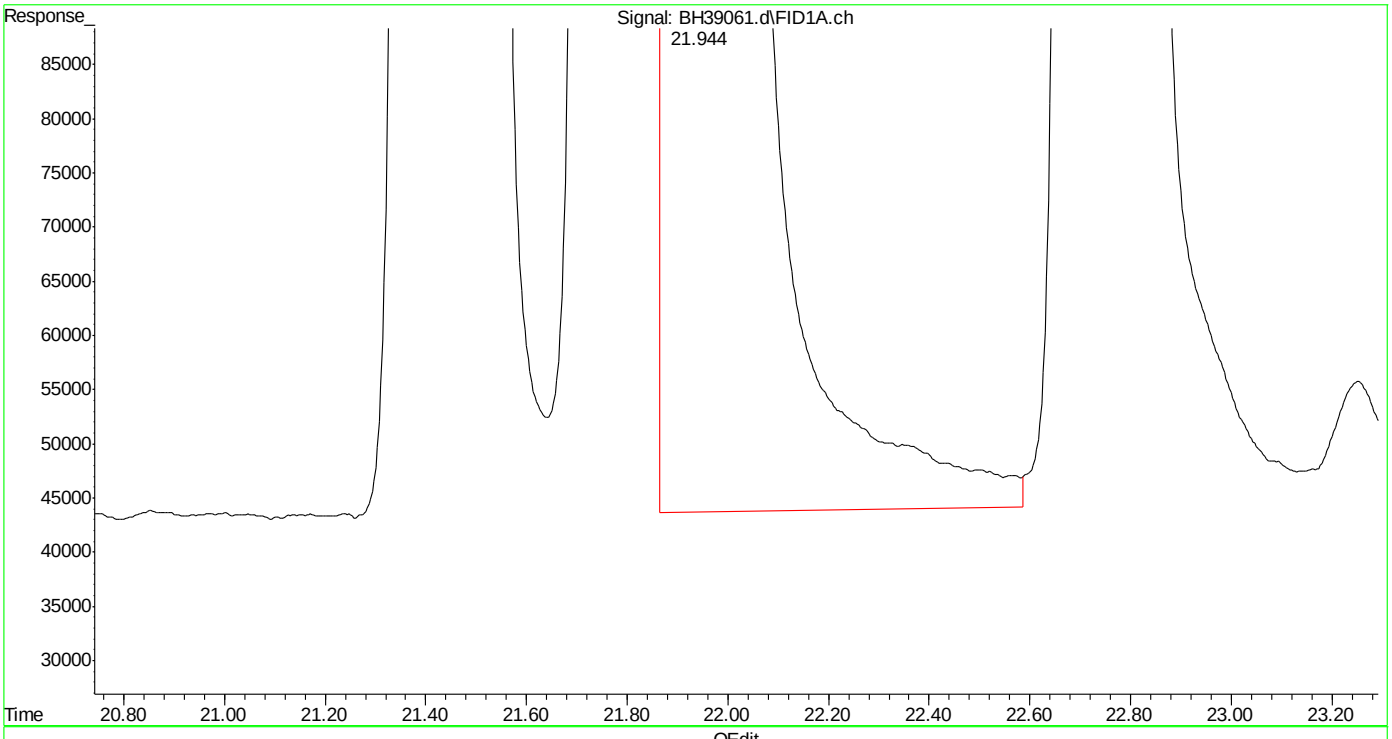
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.945min 480.222 ppb
response 607124903

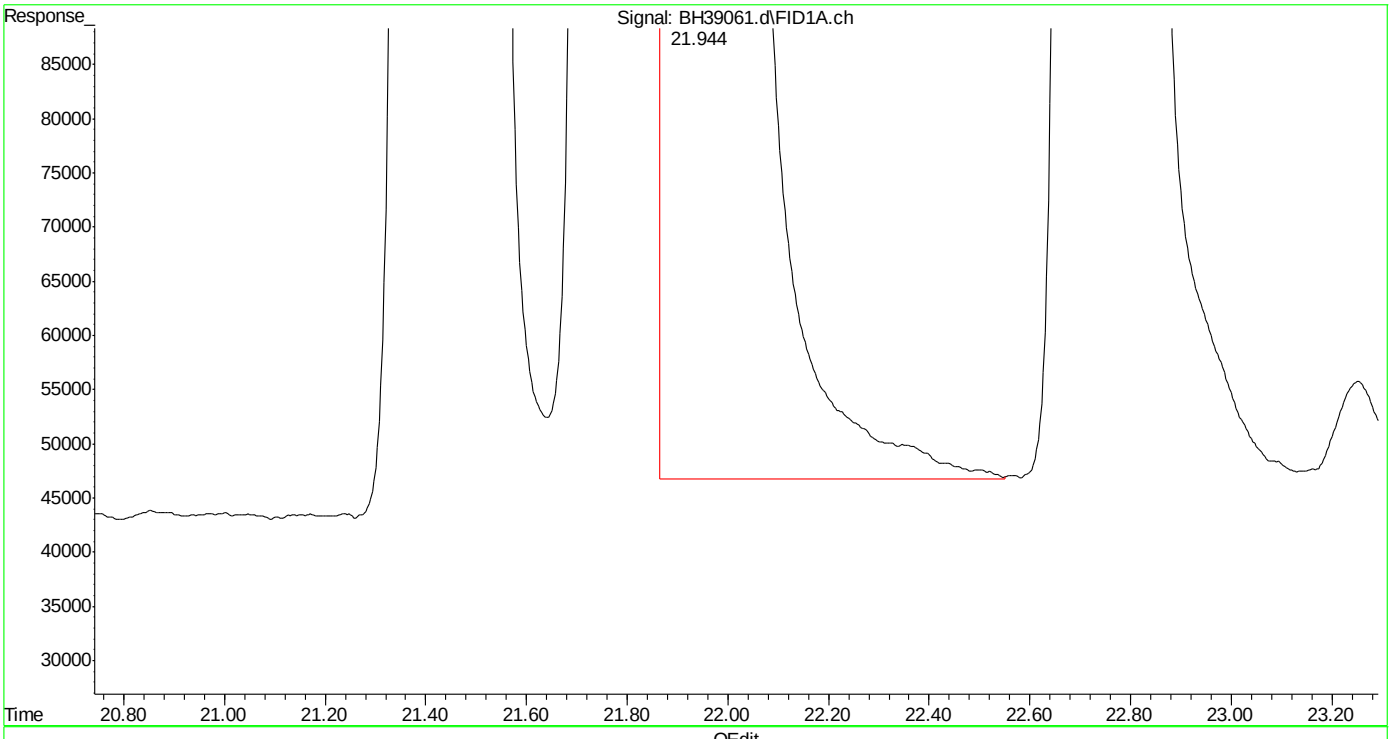
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.944min 478.023 ppb m
response 604345701

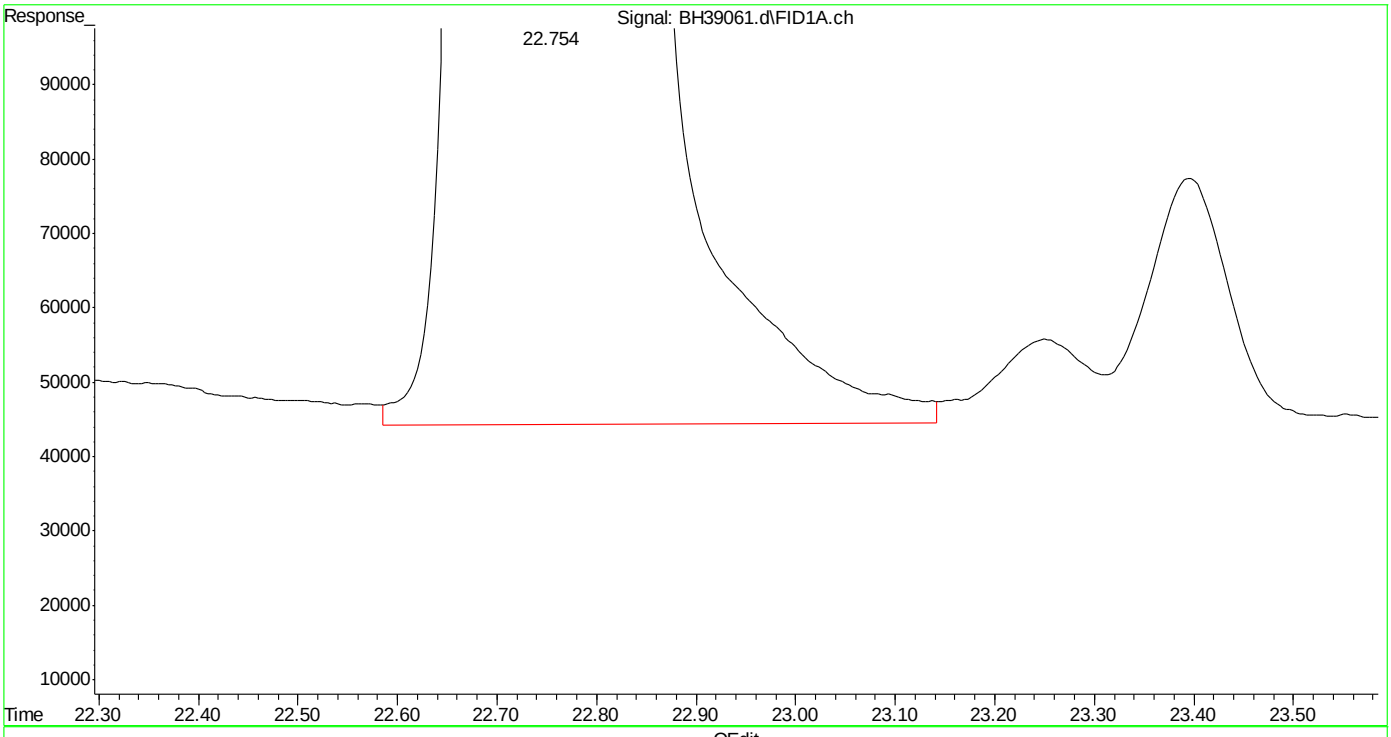
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.756min 236.164 ppb
response 305400217

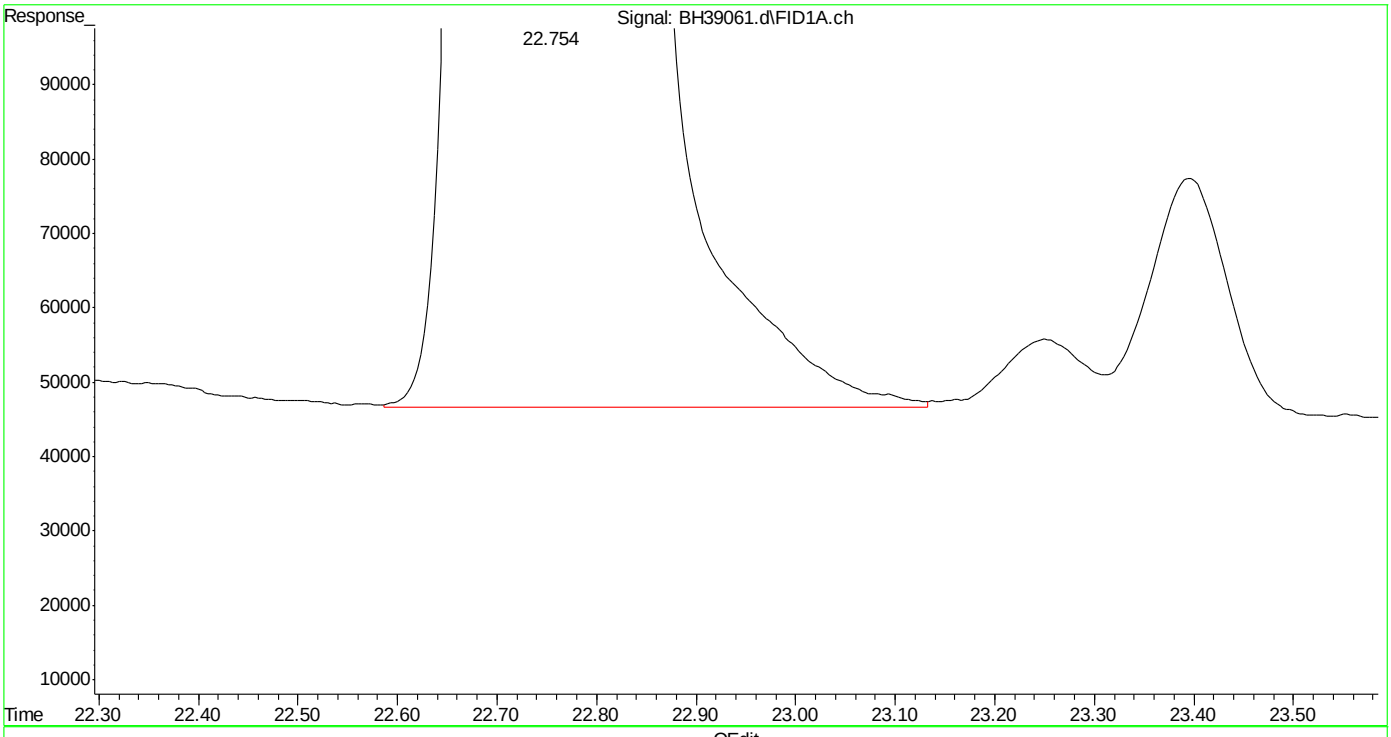
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:32:33 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.754min 235.568 ppb m
response 304628584

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:32:42 2016

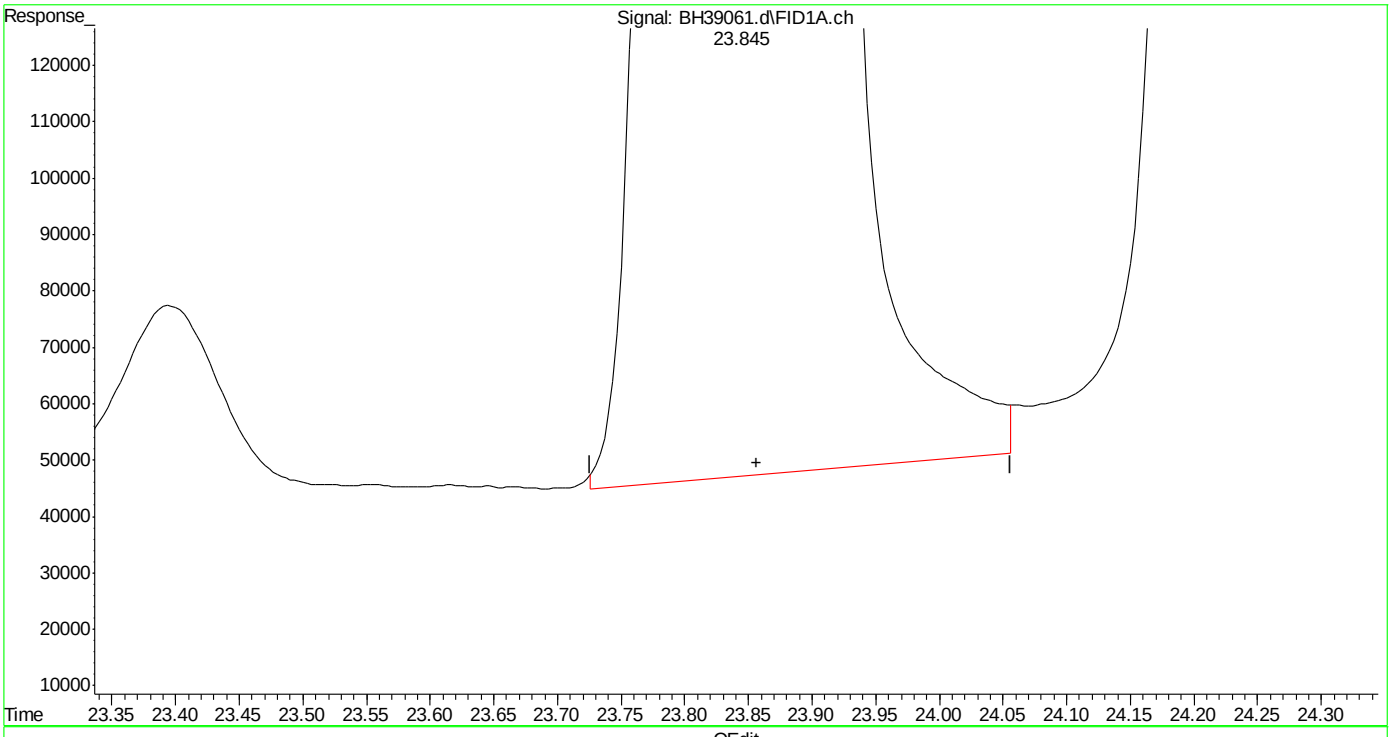
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 229.725 ppb
response 274366948

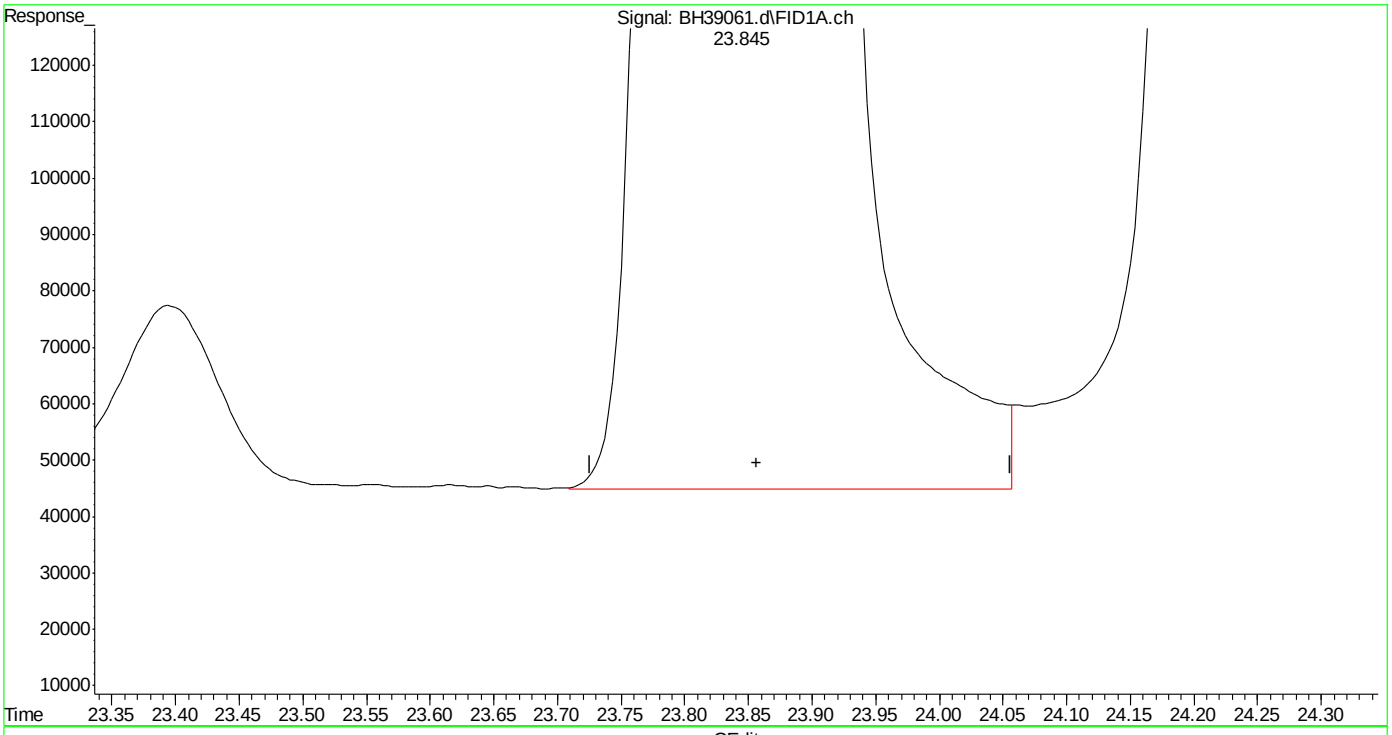
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:32:46 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 230.320 ppb m
response 275077235

(+) = Expected Retention Time

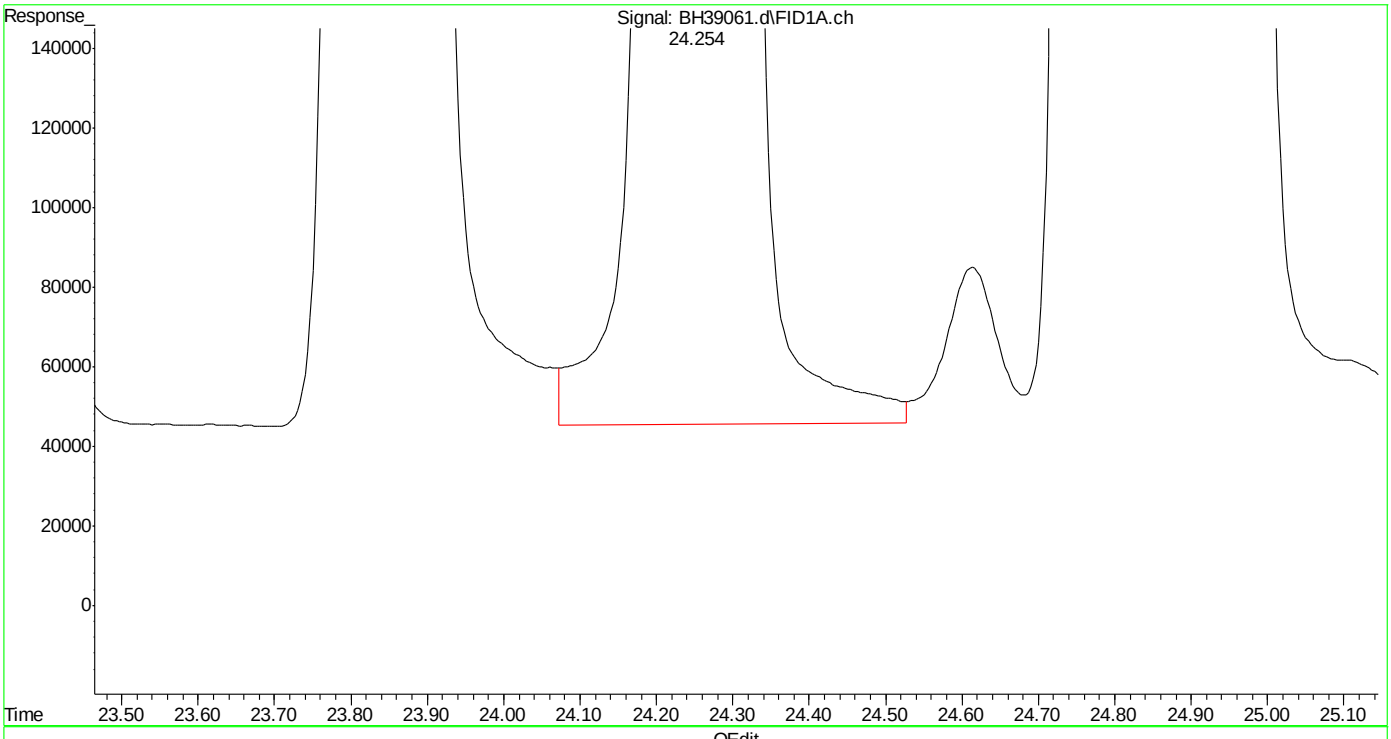
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.255min 230.979 ppb
response 315886254

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:32:55 2016

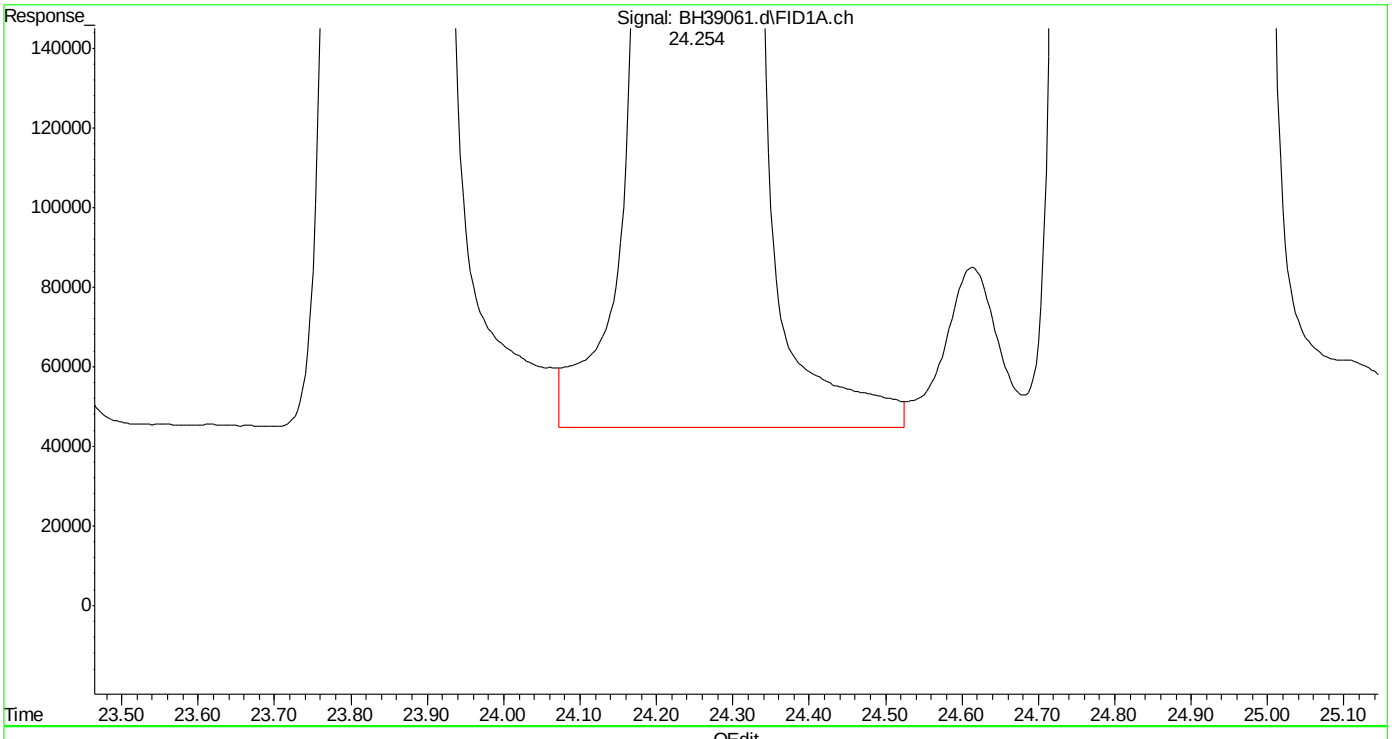
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 231.126 ppb m
response 316087614

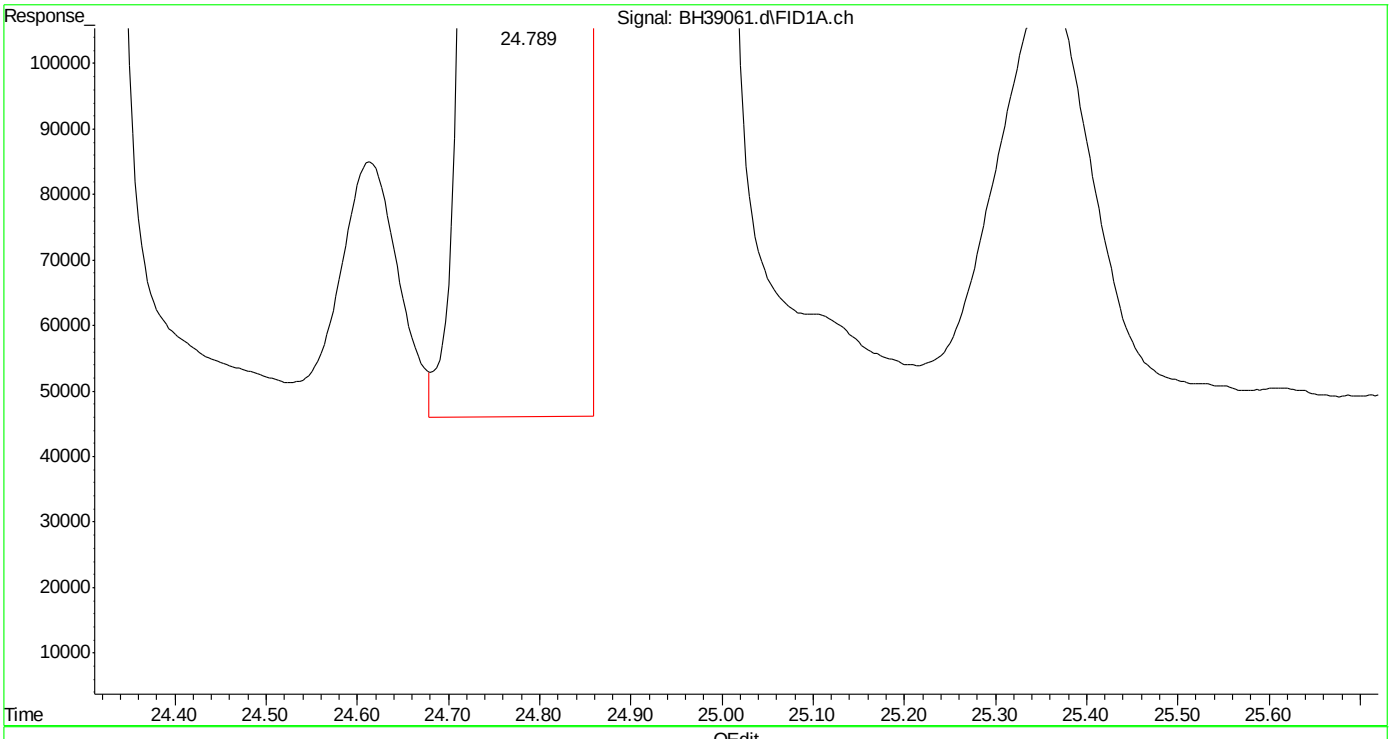
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:33:02 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.790min 223.999 ppb
response 312254823

(+) = Expected Retention Time

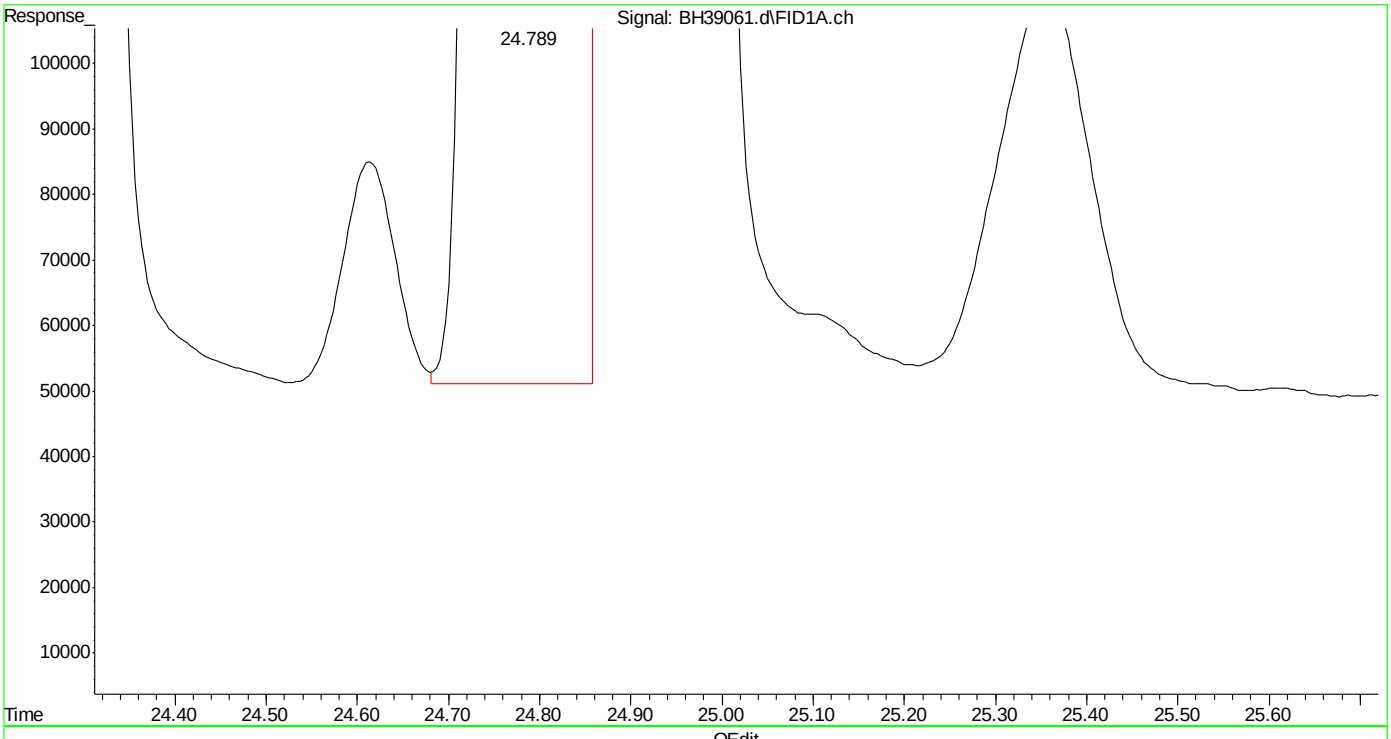
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.789min 224.082 ppb m
response 312370576

(+) = Expected Retention Time

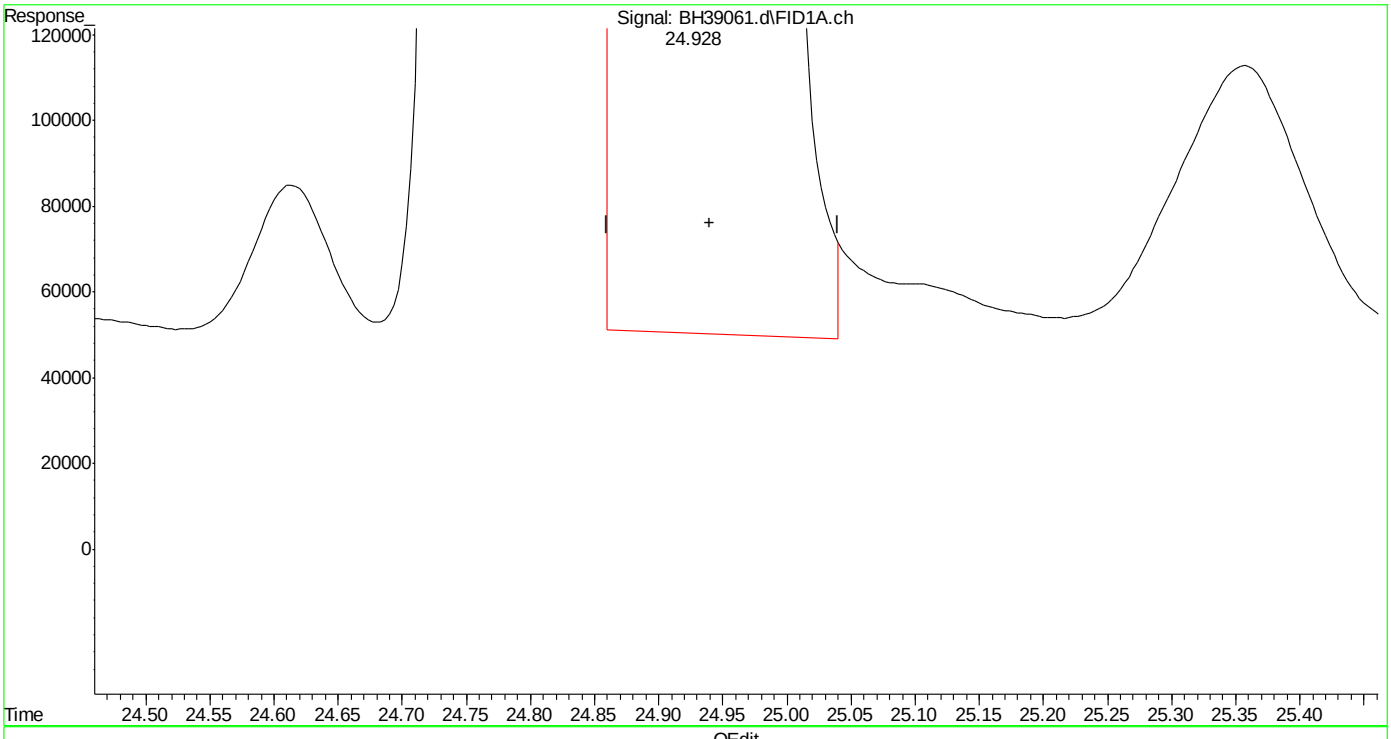
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 228.012 ppb
response 293392940

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:33:16 2016

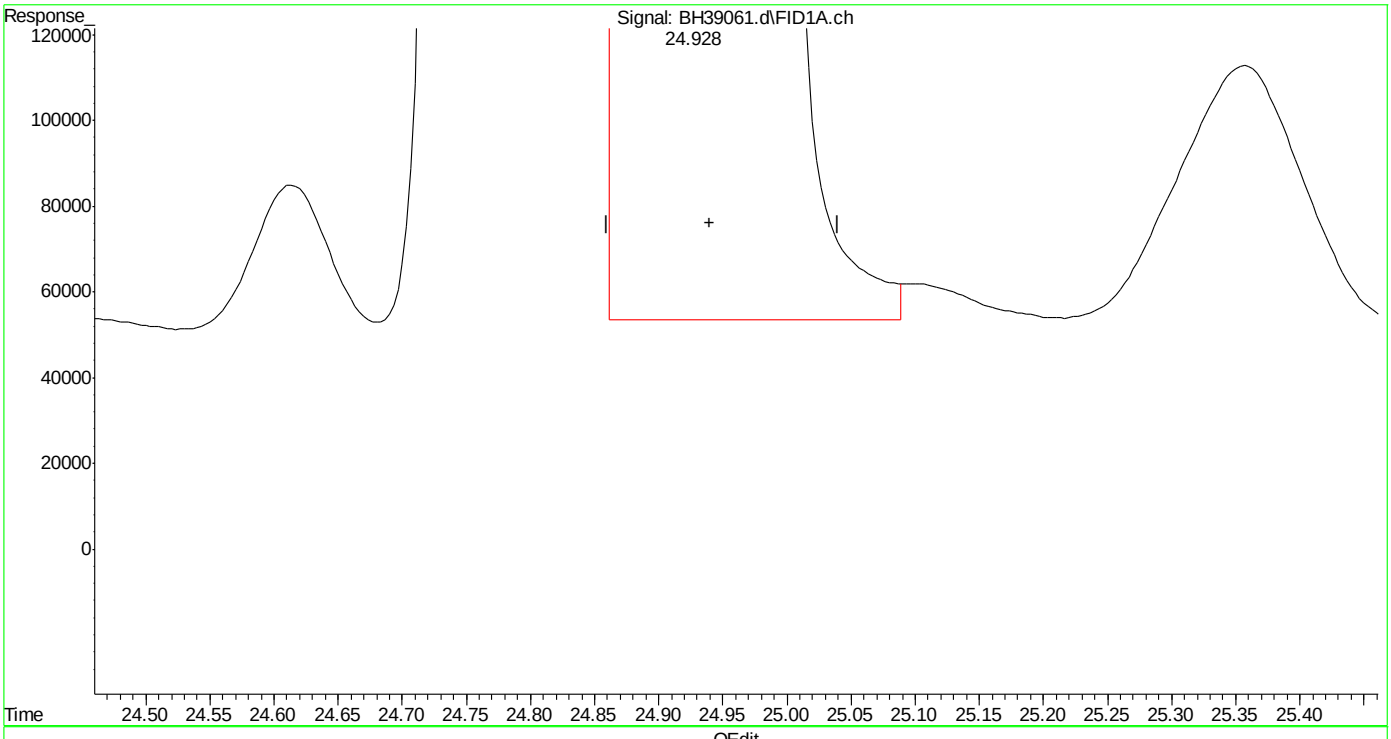
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 228.669 ppb m
response 294238593

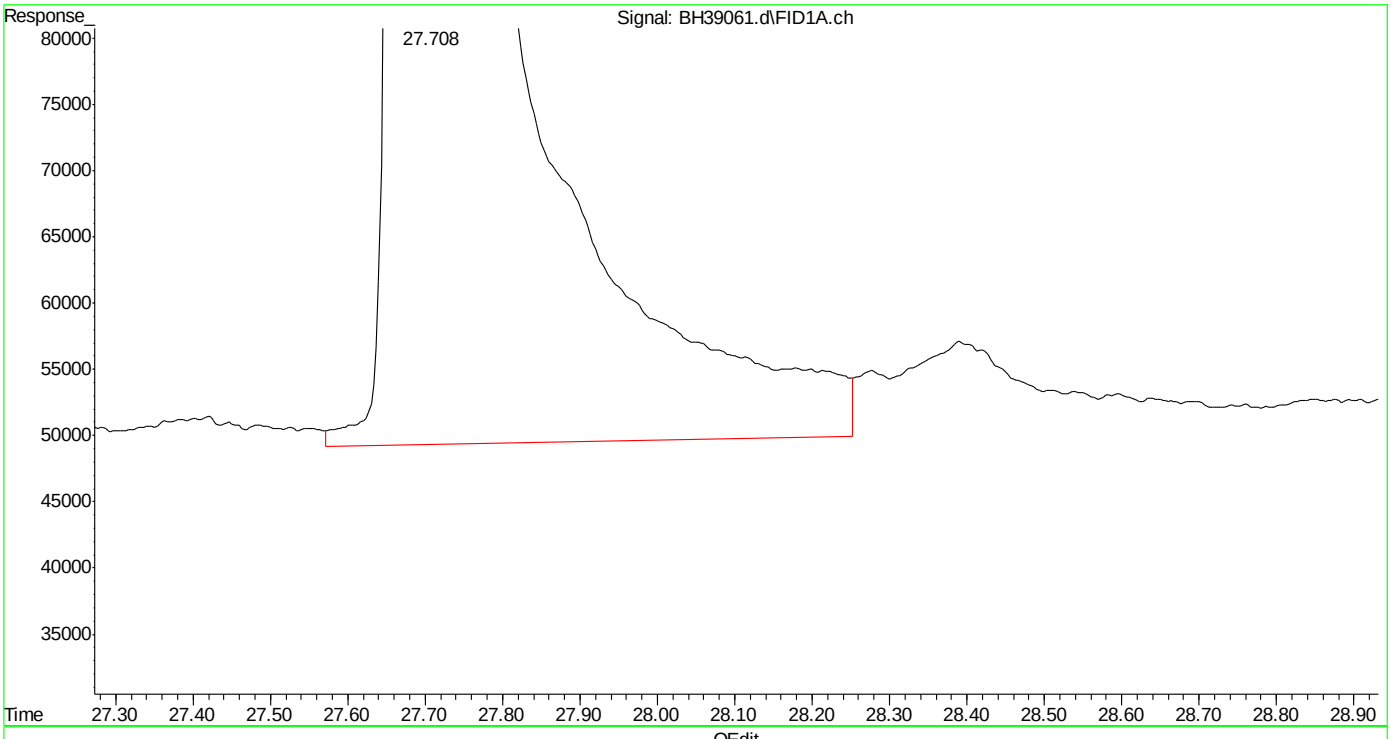
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:33:27 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 215.046 ppb
response 185750399

(+) = Expected Retention Time

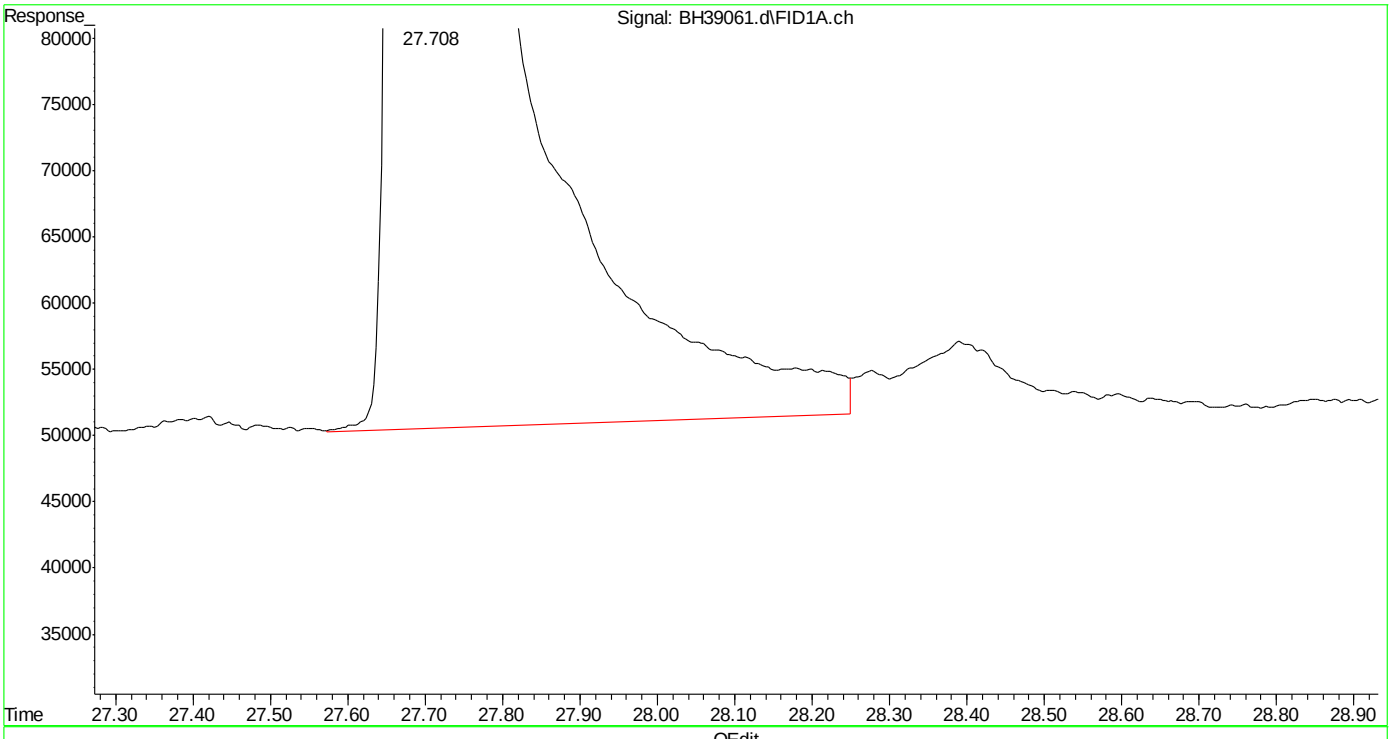
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.708min 214.383 ppb m
response 185177296

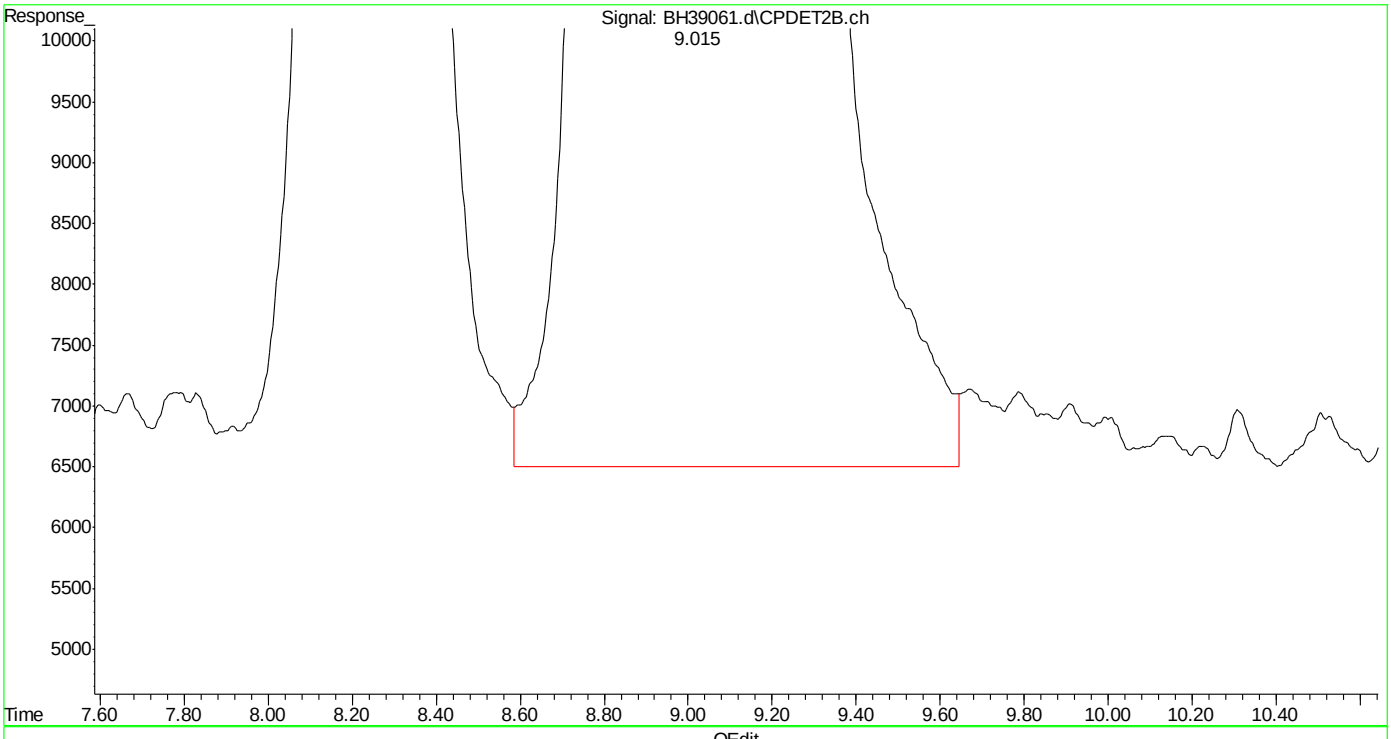
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.017min 241.325 ppb
response 69275197

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:33:44 2016 Page: 1

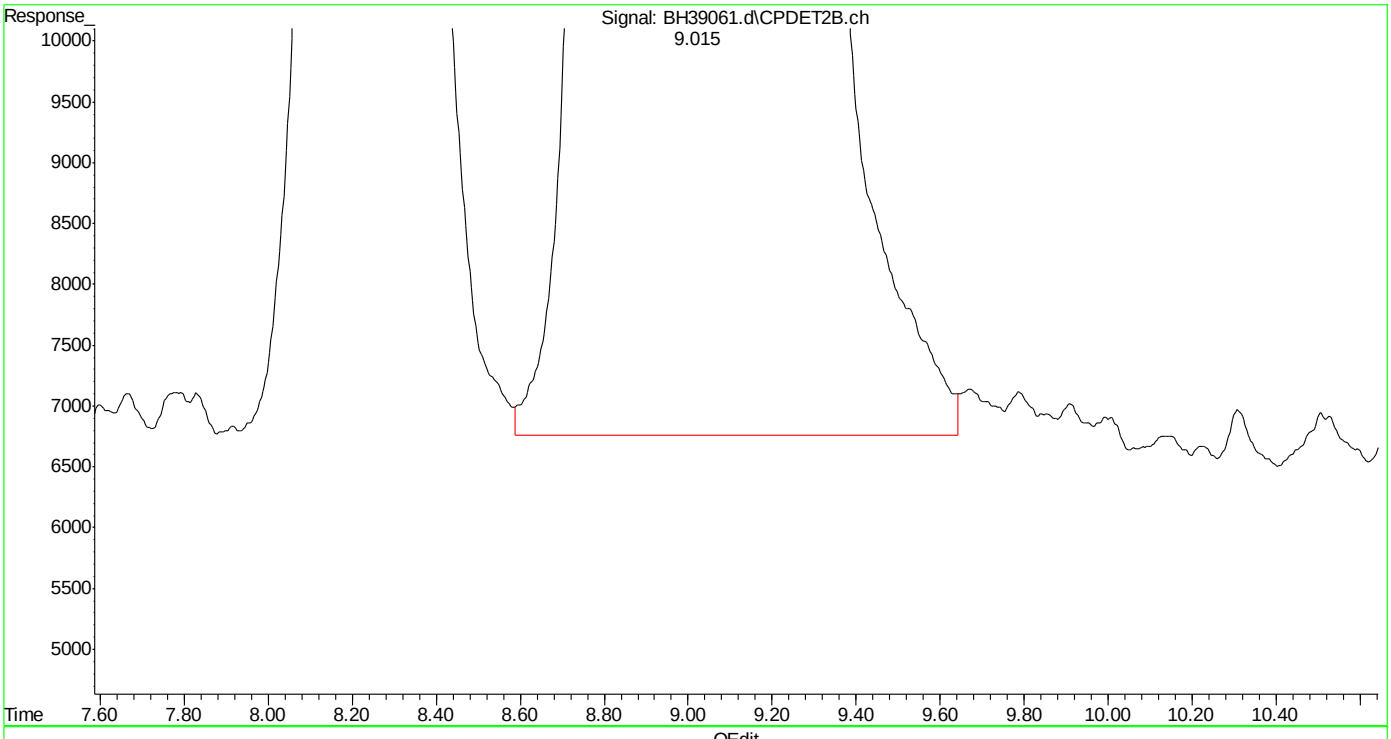
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.015min 240.742 ppb m
response 69107837

(+) = Expected Retention Time

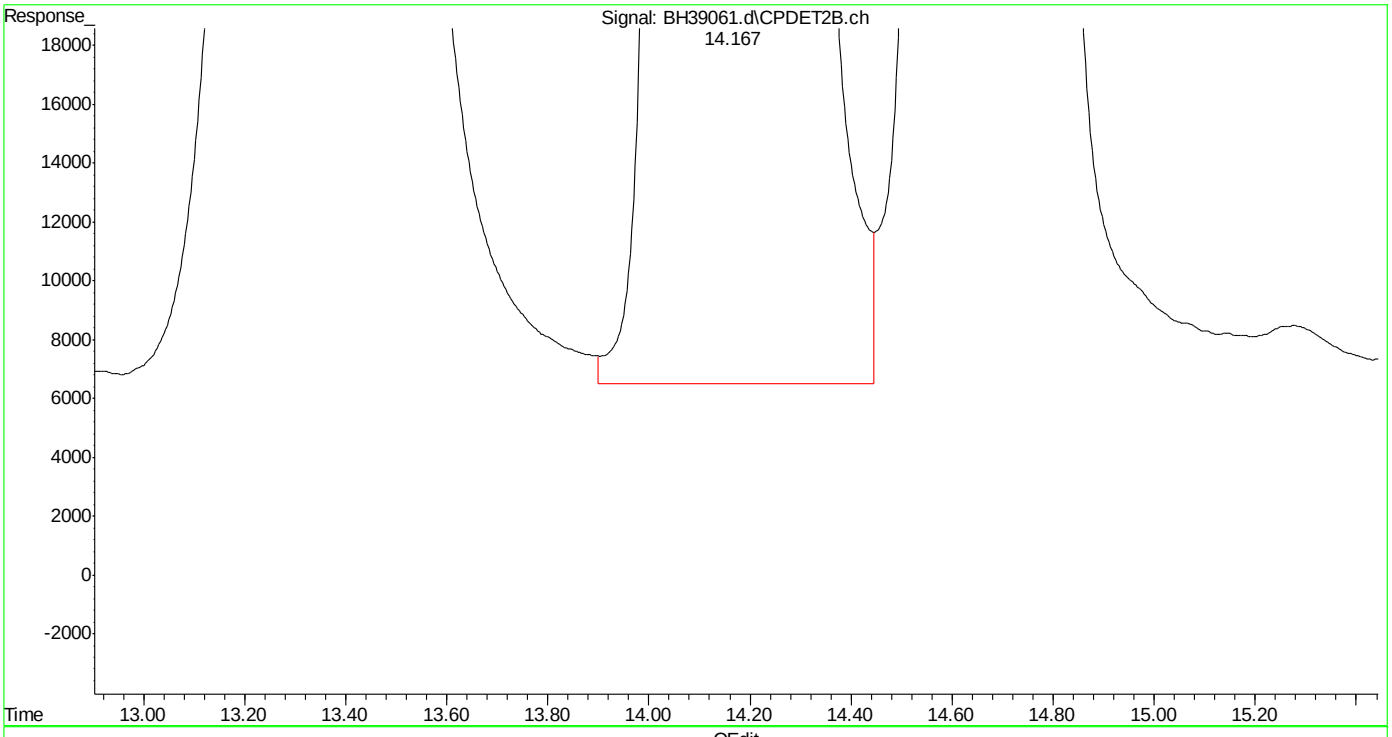
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.169min 233.118 ppb
response 156543003

(+) = Expected Retention Time

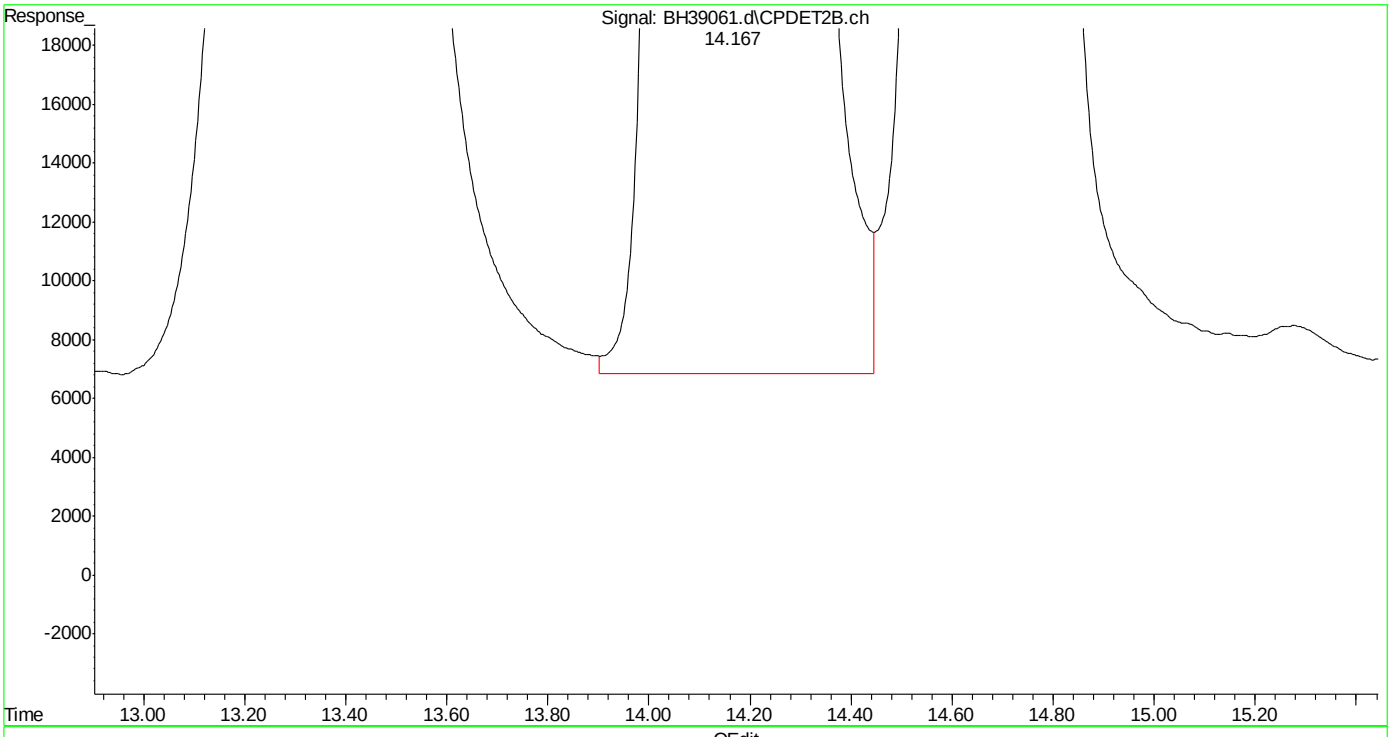
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.167min 232.950 ppb m
response 156430291

(+) = Expected Retention Time

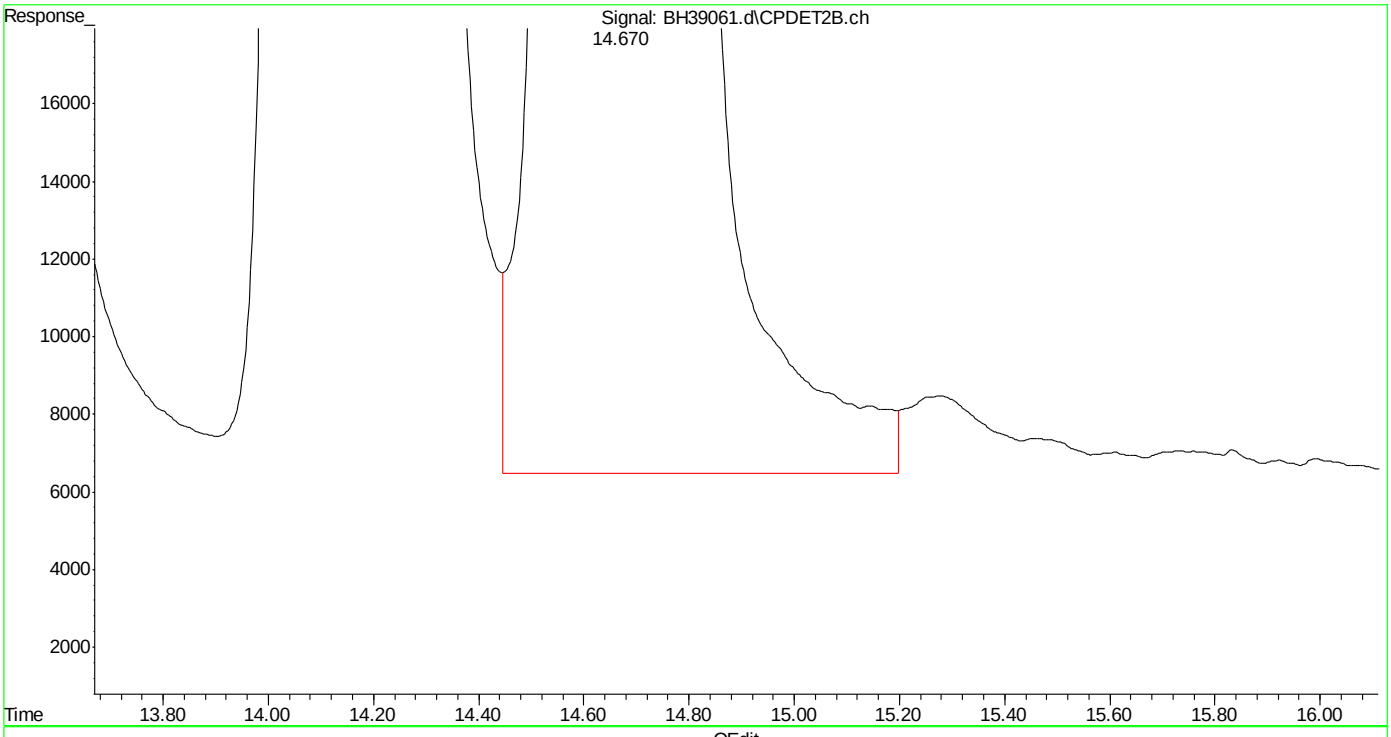
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.671min 241.574 ppb
response 99059077

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:12 2016

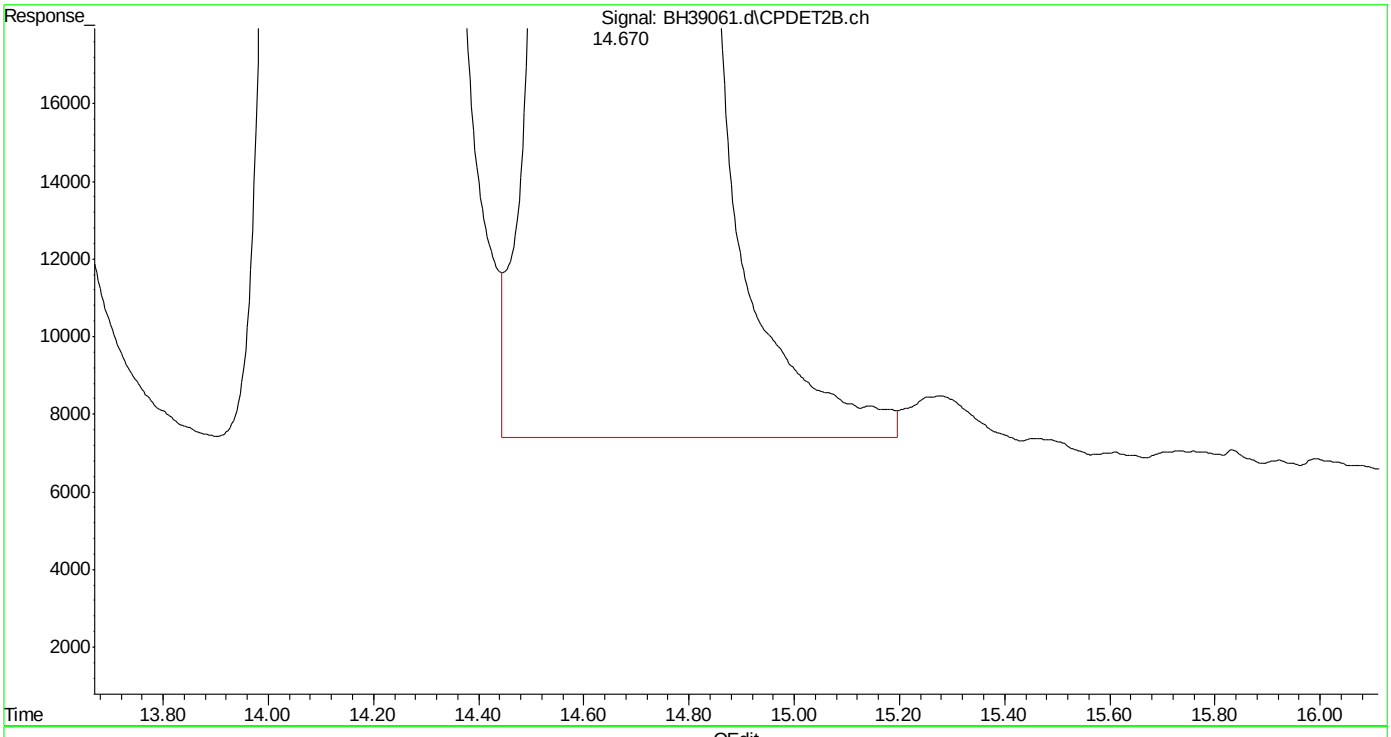
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 240.591 ppb m
response 98656019

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:21 2016

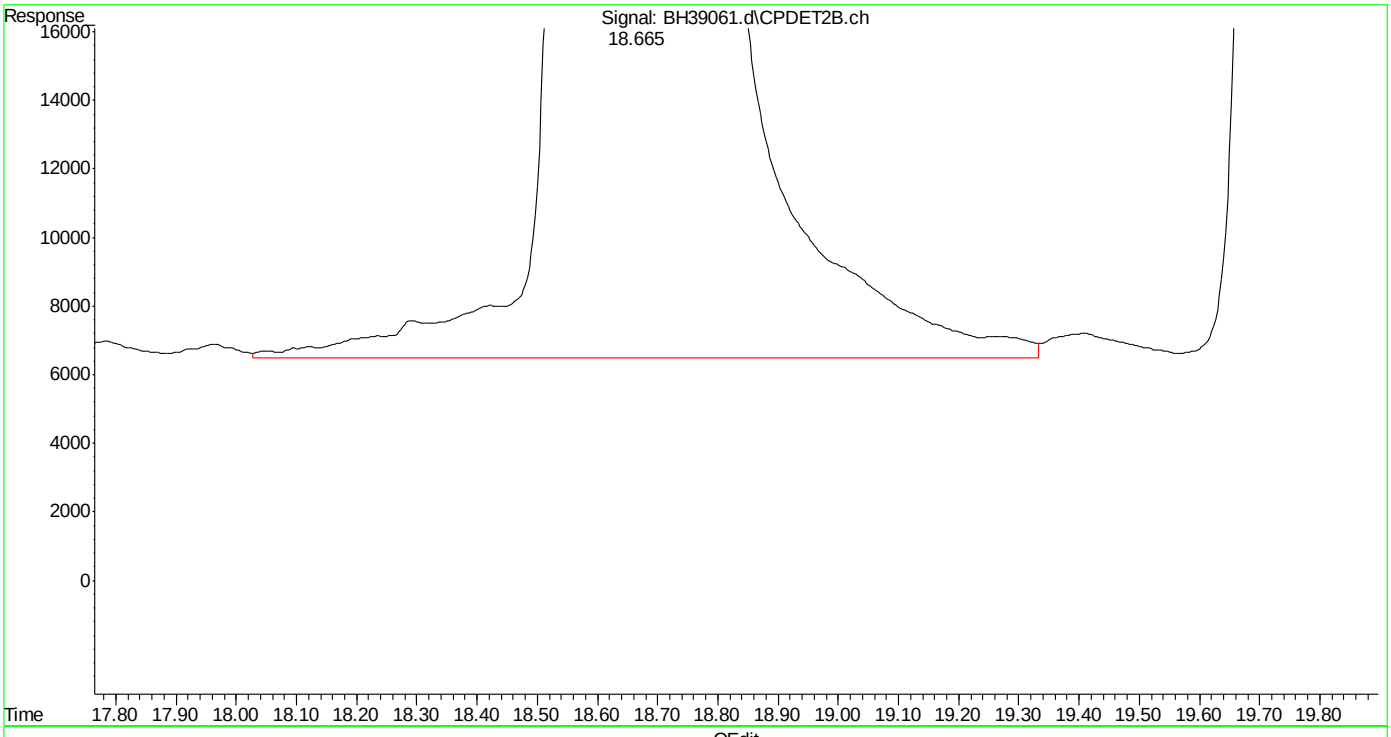
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 236.157 ppb
response 147672571

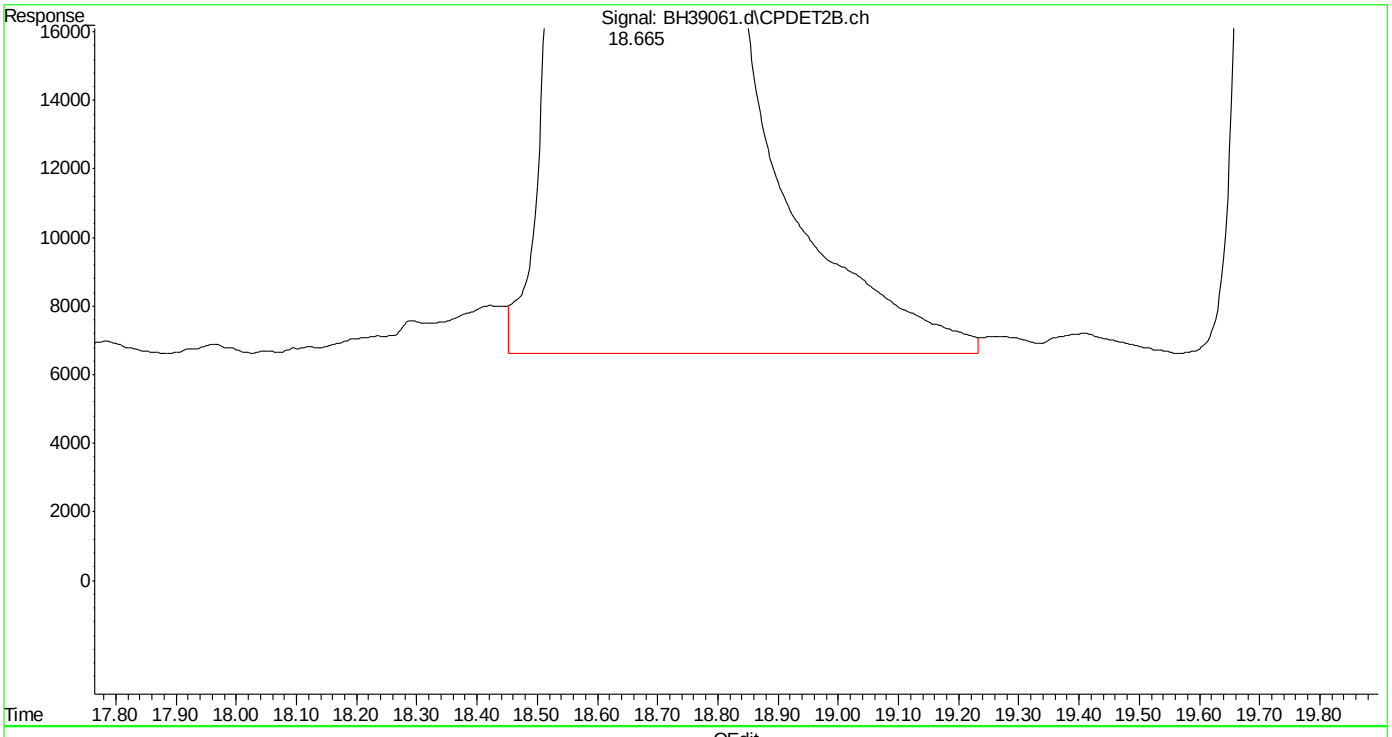
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:27 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.665min 235.714 ppb m
response 147395455

(+) = Expected Retention Time

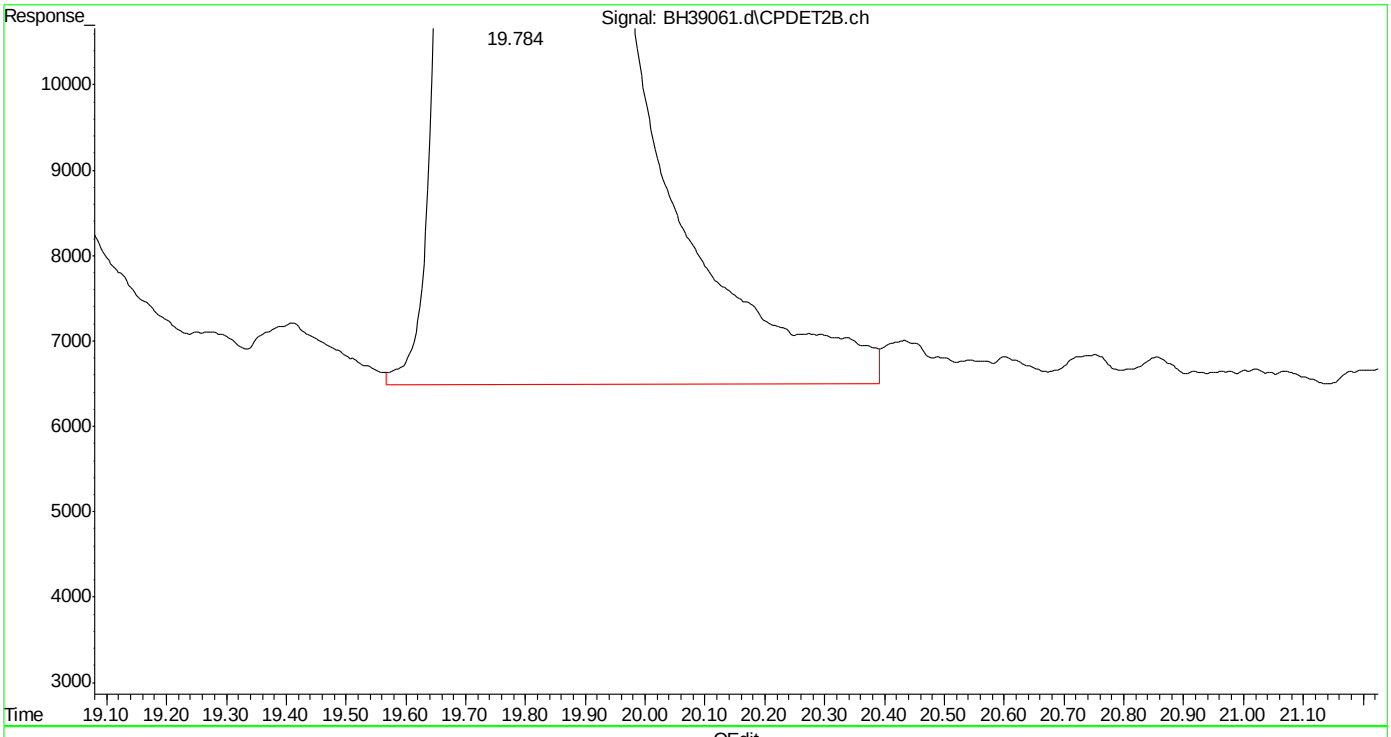
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.785min 232.677 ppb
response 59955552

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:40 2016

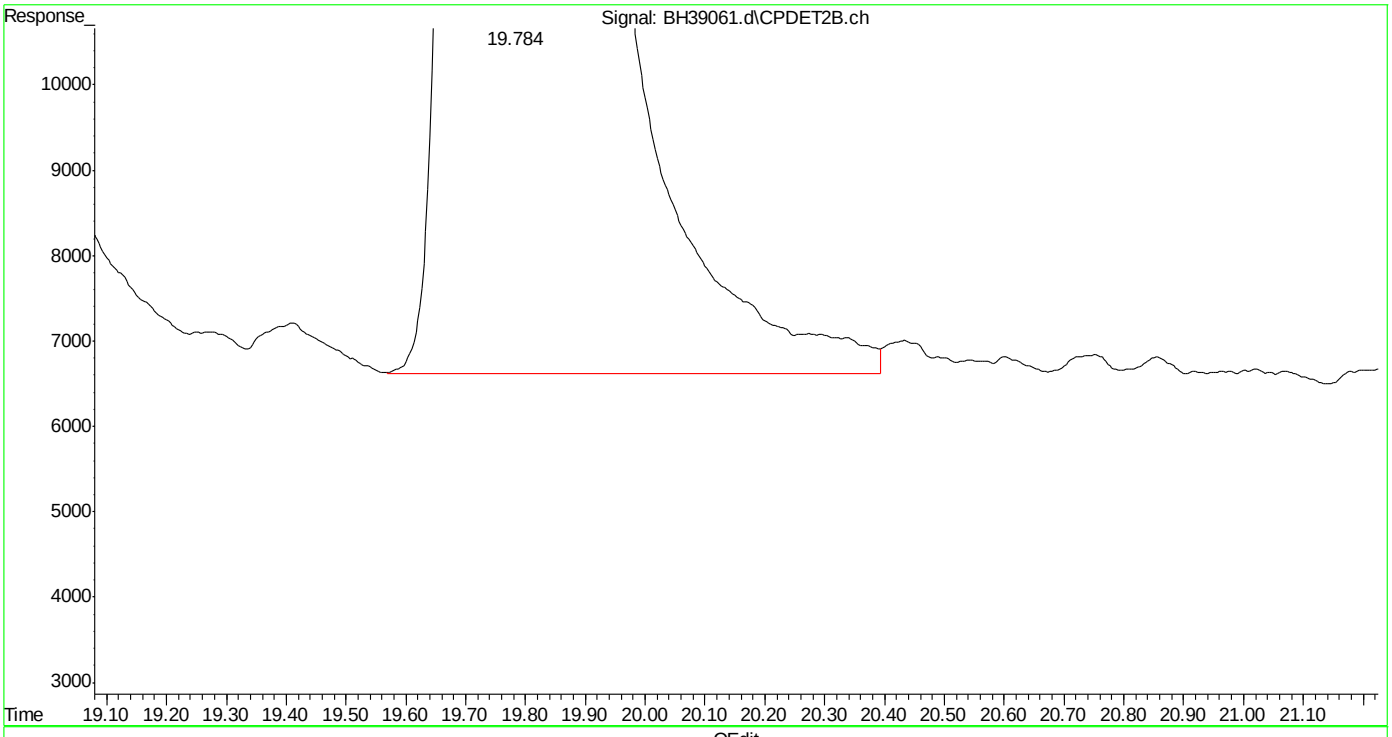
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.784min 232.449 ppb m
response 59896935

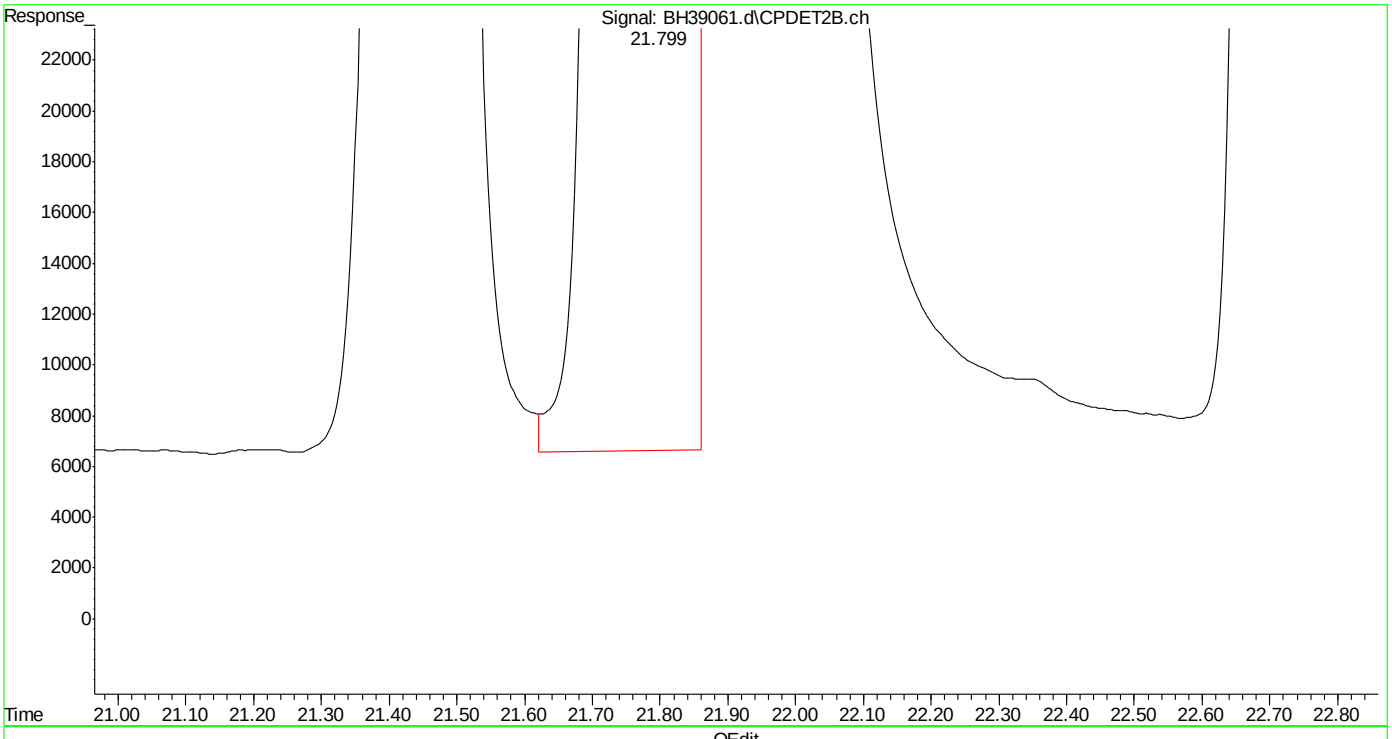
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:46 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.801min 241.481 ppb
response 132472992

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:50 2016

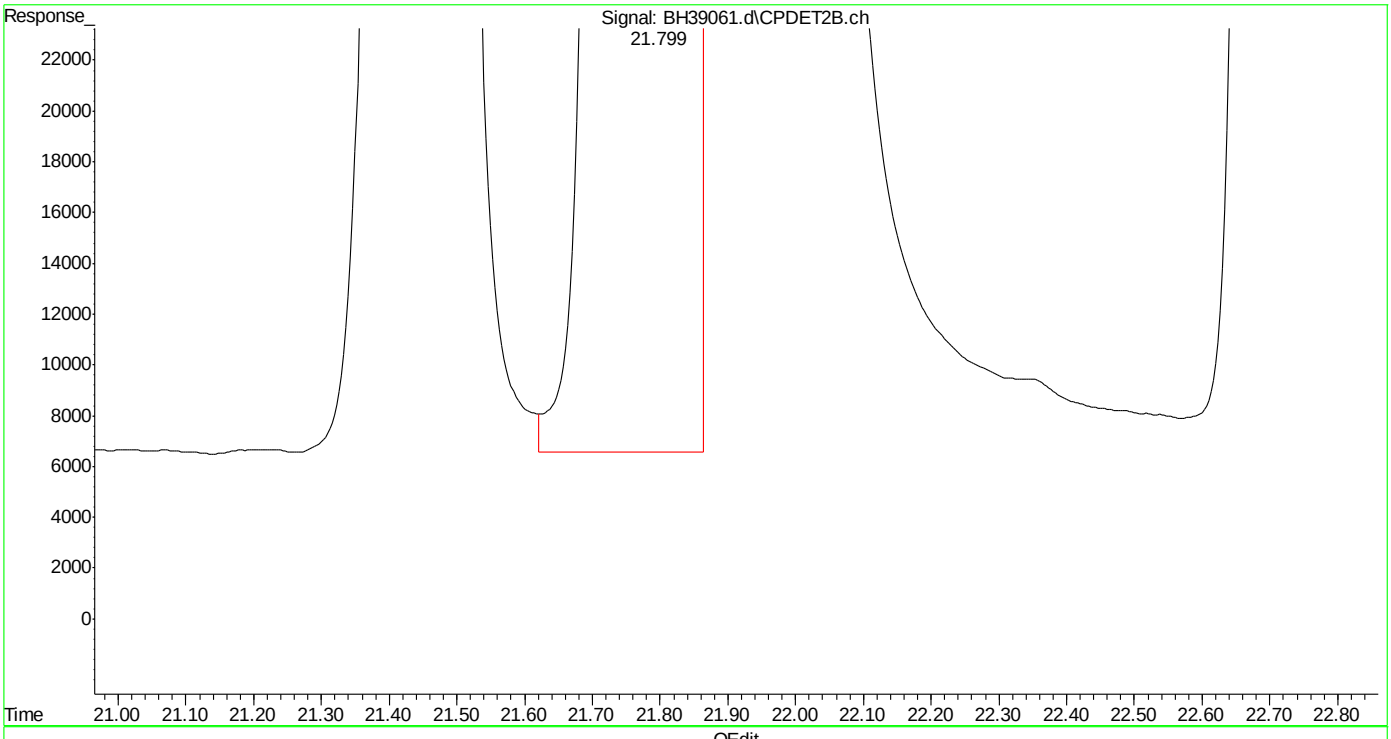
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.799min 242.226 ppb m
response 132881798

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:34:57 2016

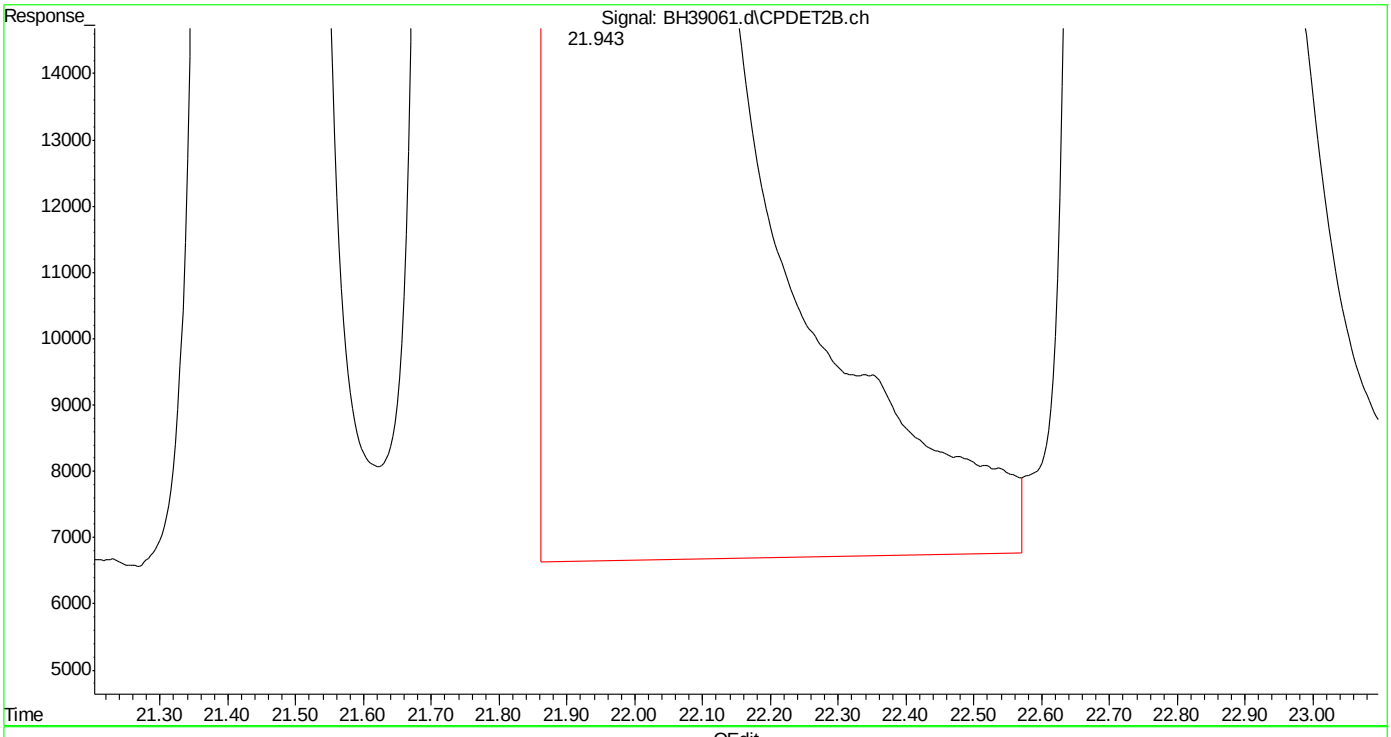
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.944min 473.480 ppb
response 320420981

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:35:02 2016

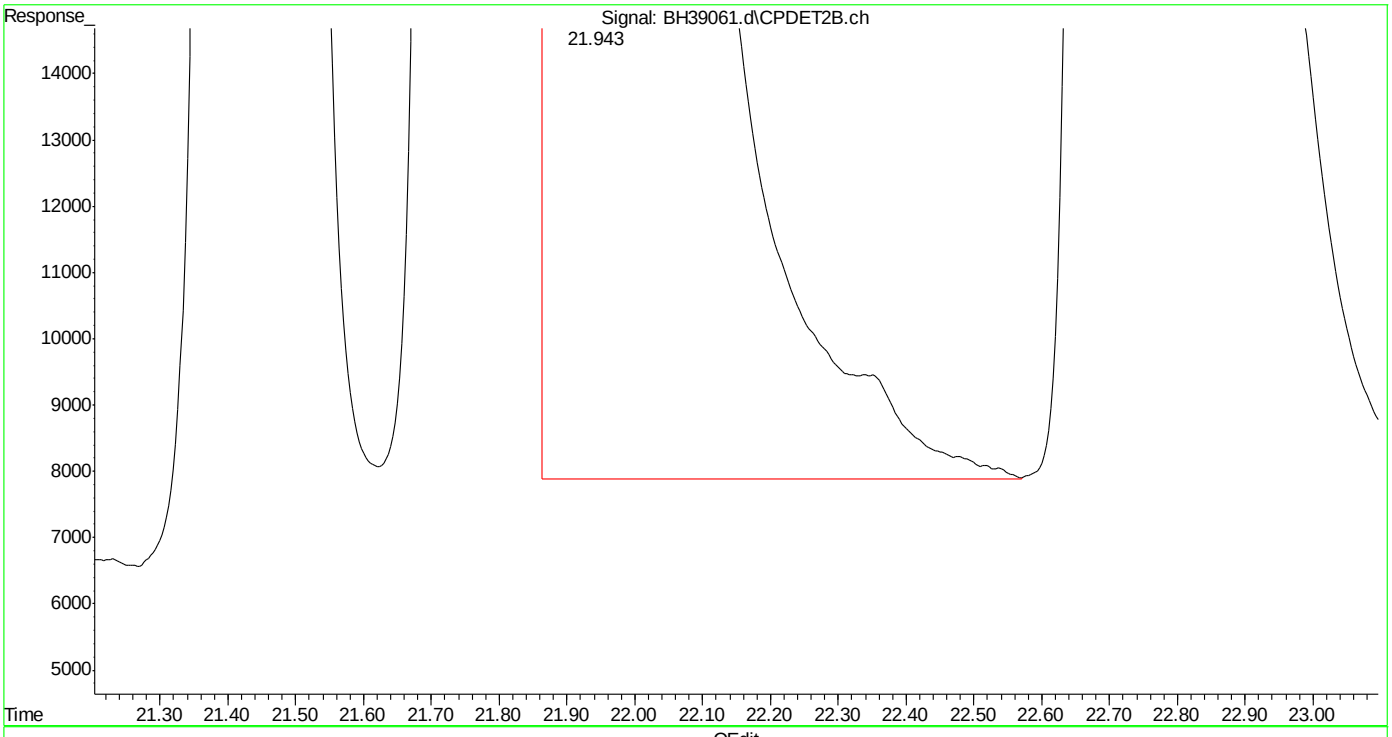
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 469.993 ppb m
response 318061300

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:35:08 2016

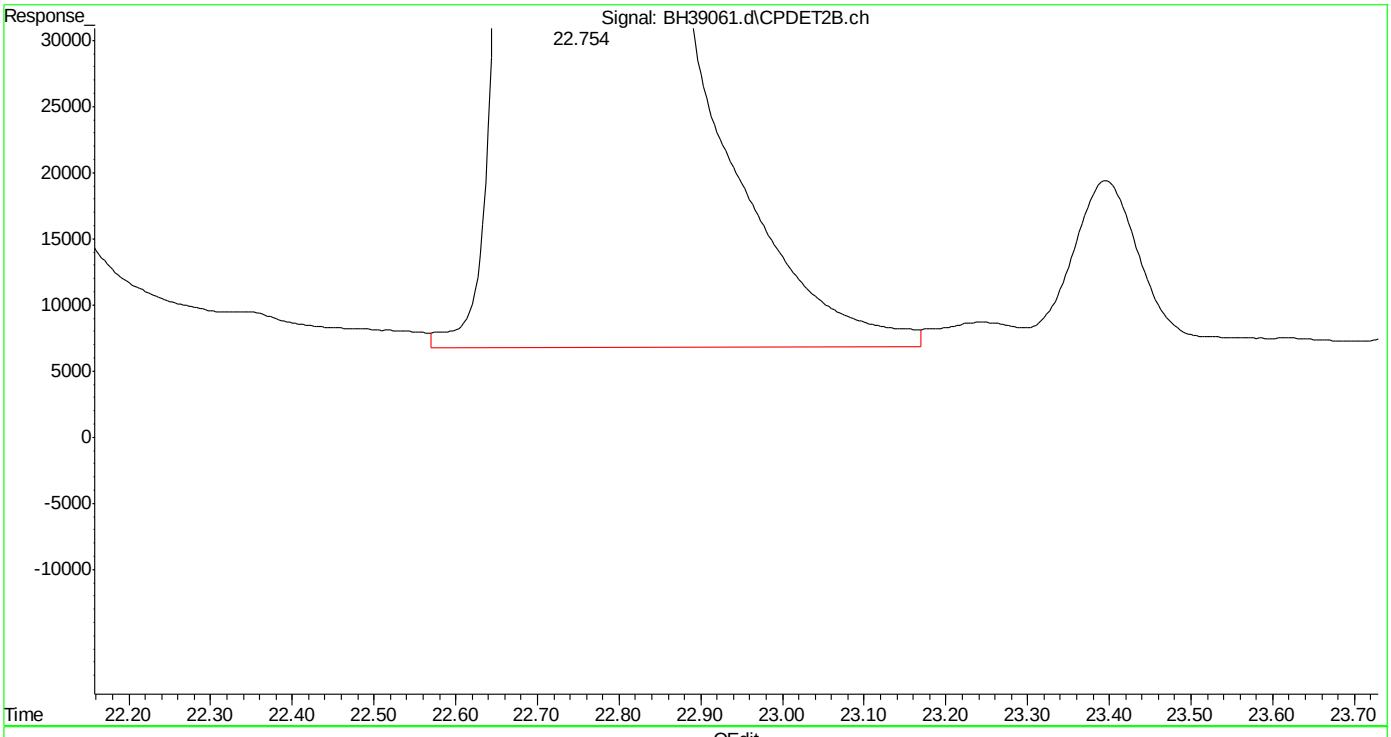
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 236.157 ppb
response 139220770

(+) = Expected Retention Time

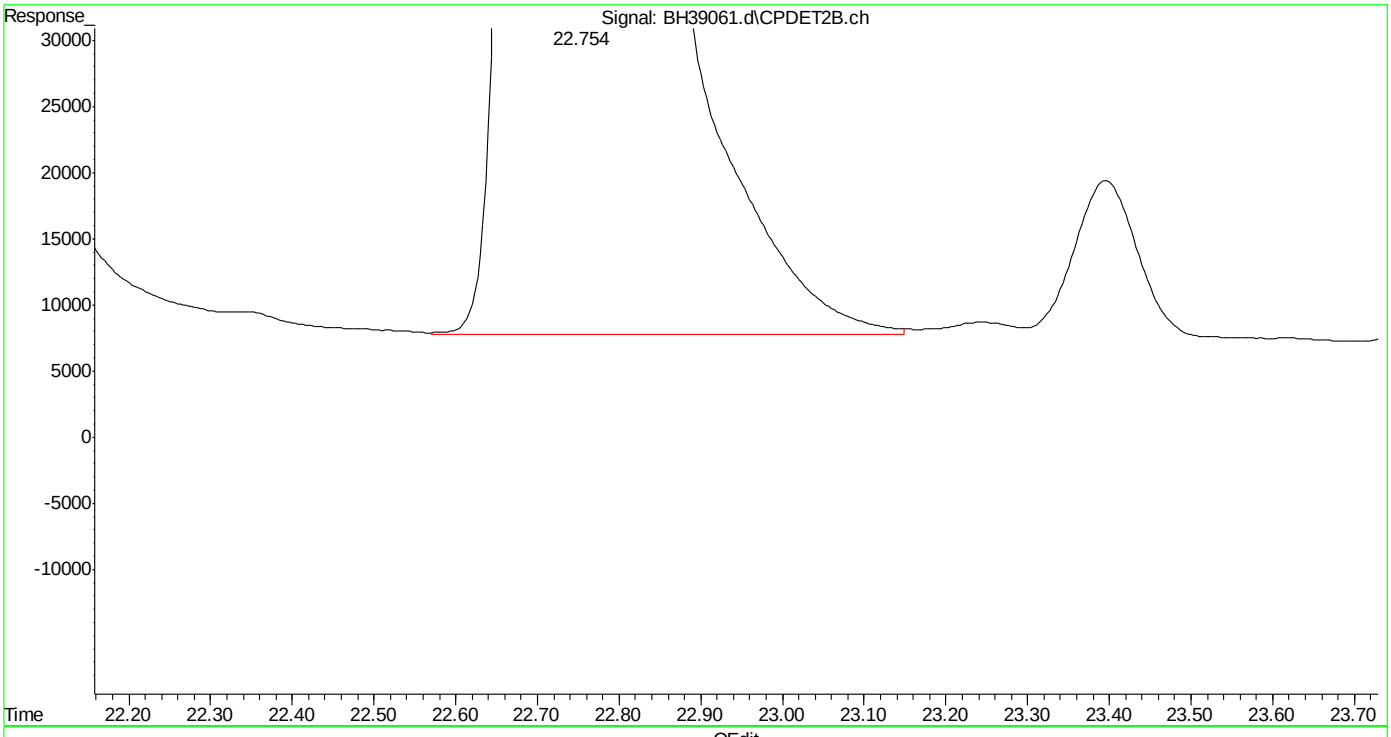
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.754min 235.556 ppb m
response 138866543

(+) = Expected Retention Time

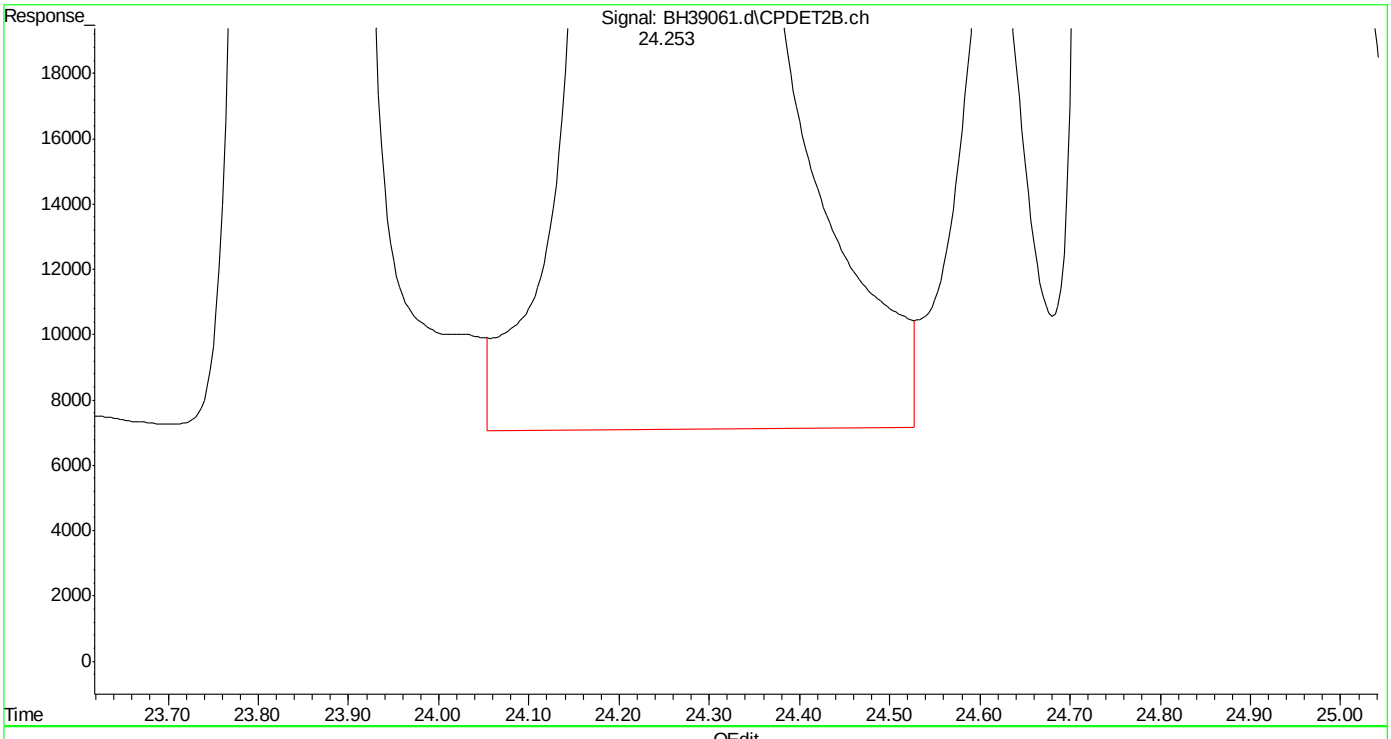
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.255min 231.097 ppb
response 197970471

(+) = Expected Retention Time

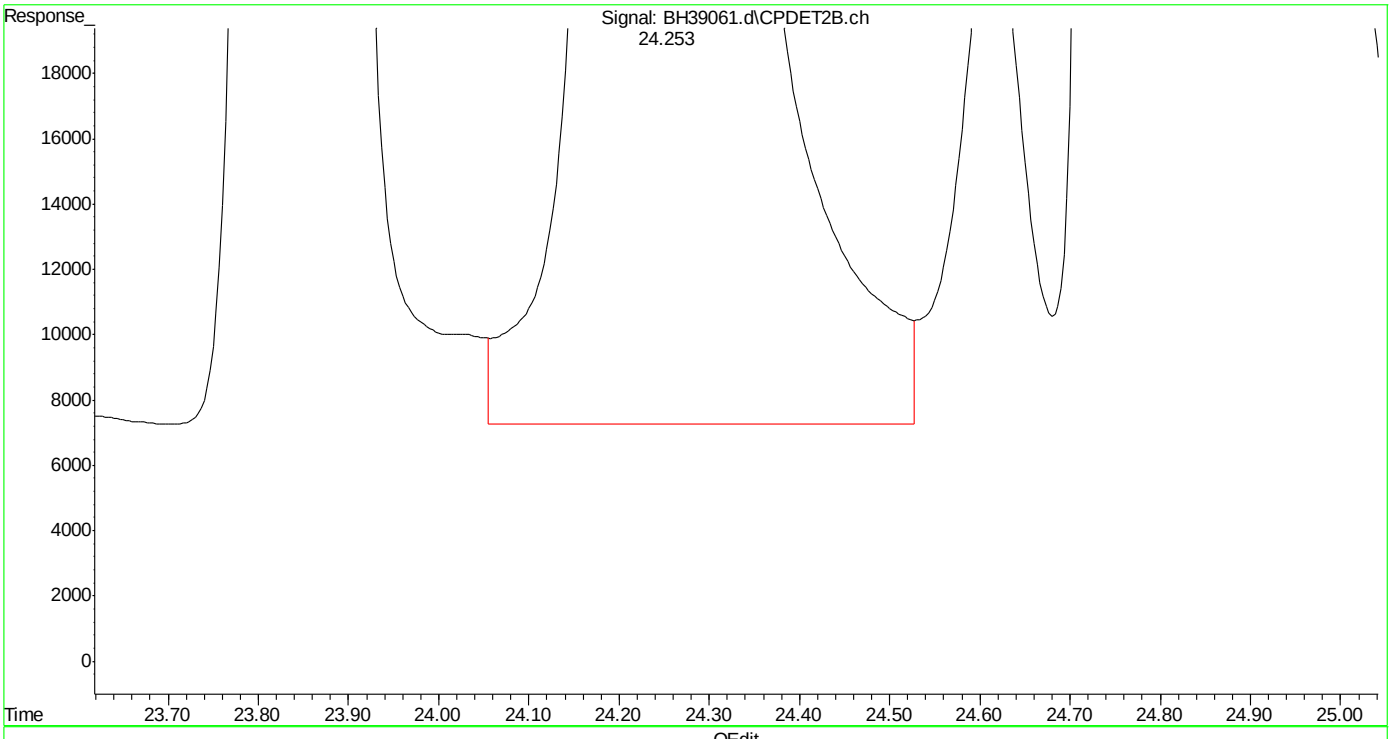
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.253min 231.055 ppb m
response 197934709

(+) = Expected Retention Time

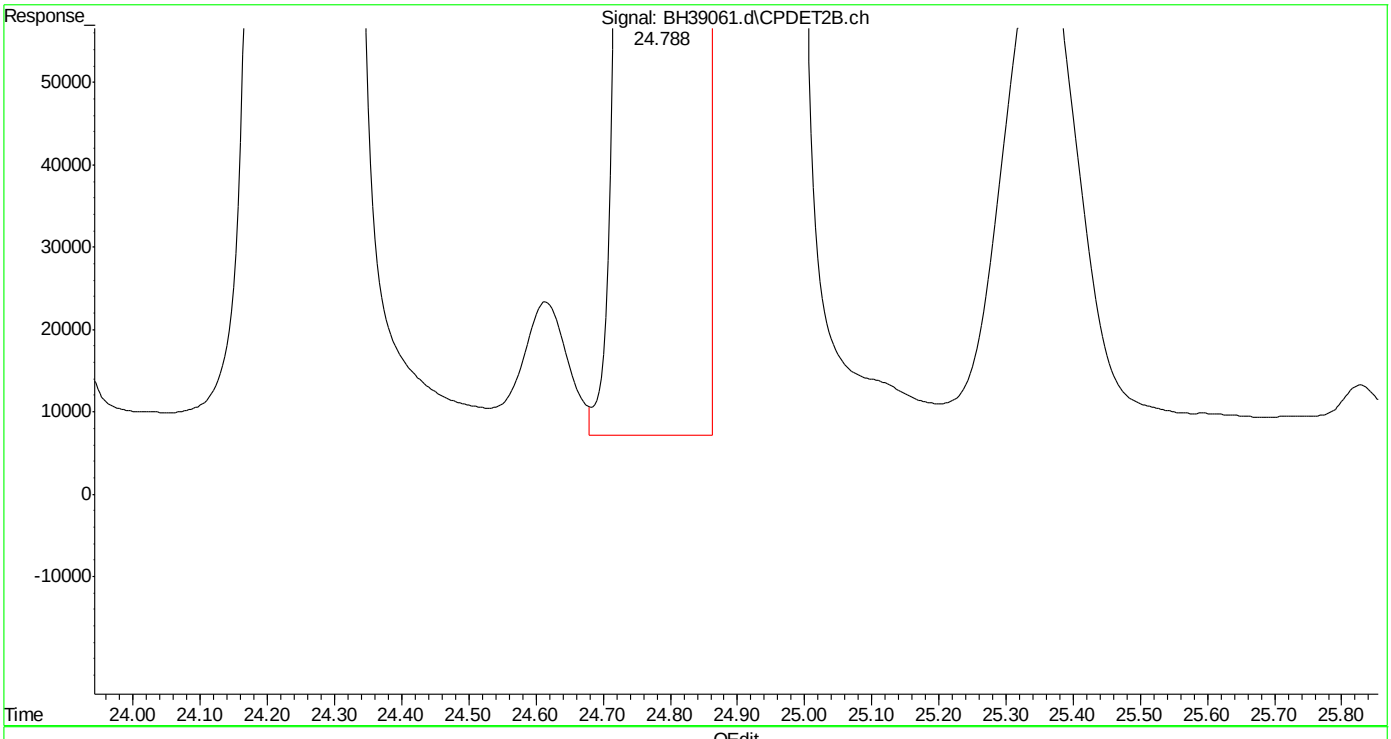
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.790min 227.464 ppb
response 150977704

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:35:34 2016

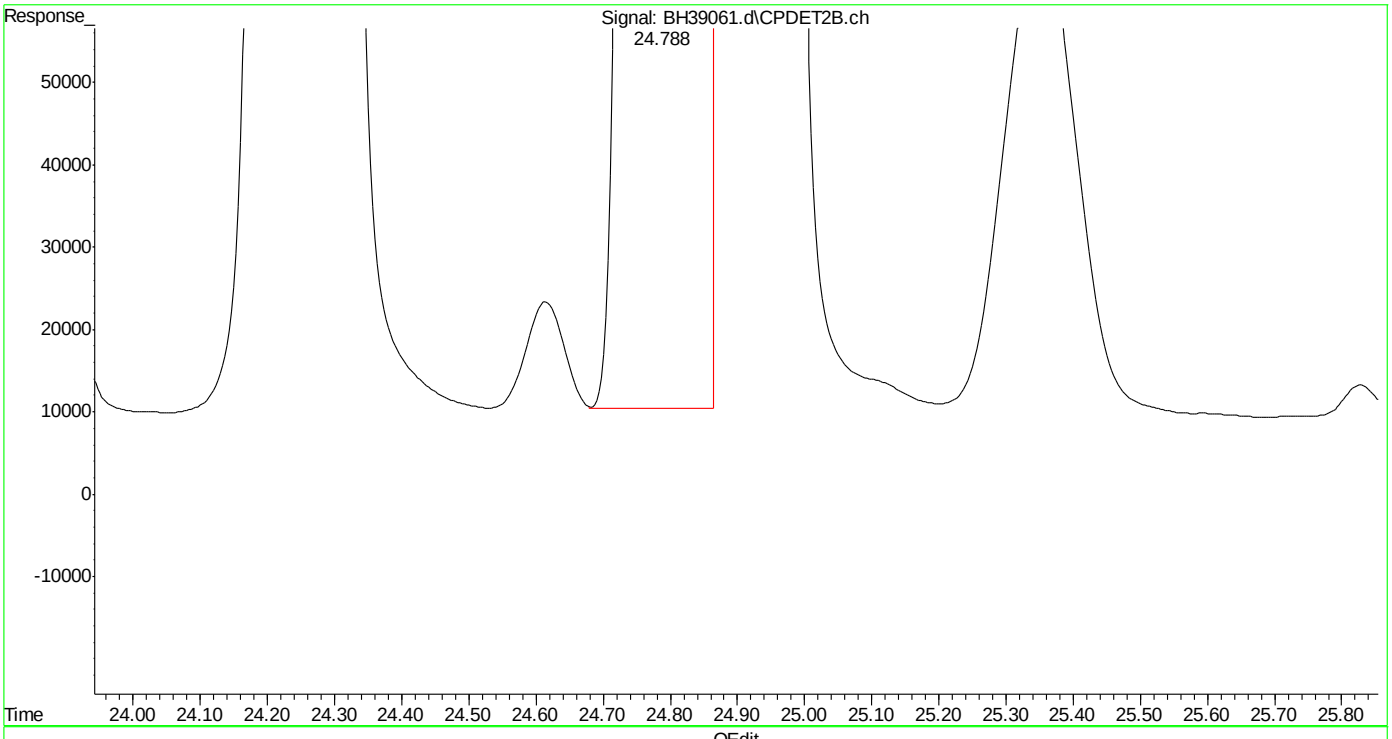
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.788min 227.961 ppb m
response 151307419

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:35:40 2016

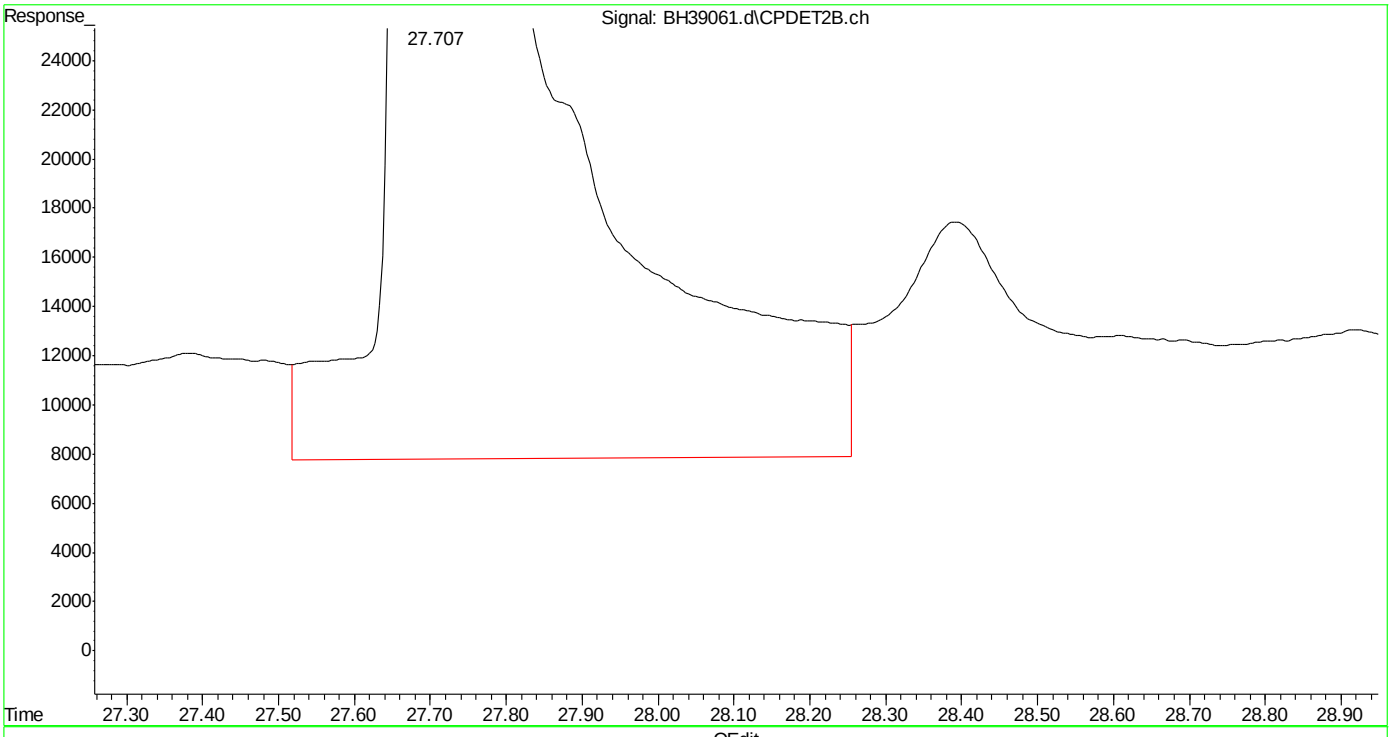
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.709min 213.546 ppb
response 125026985

(+) = Expected Retention Time

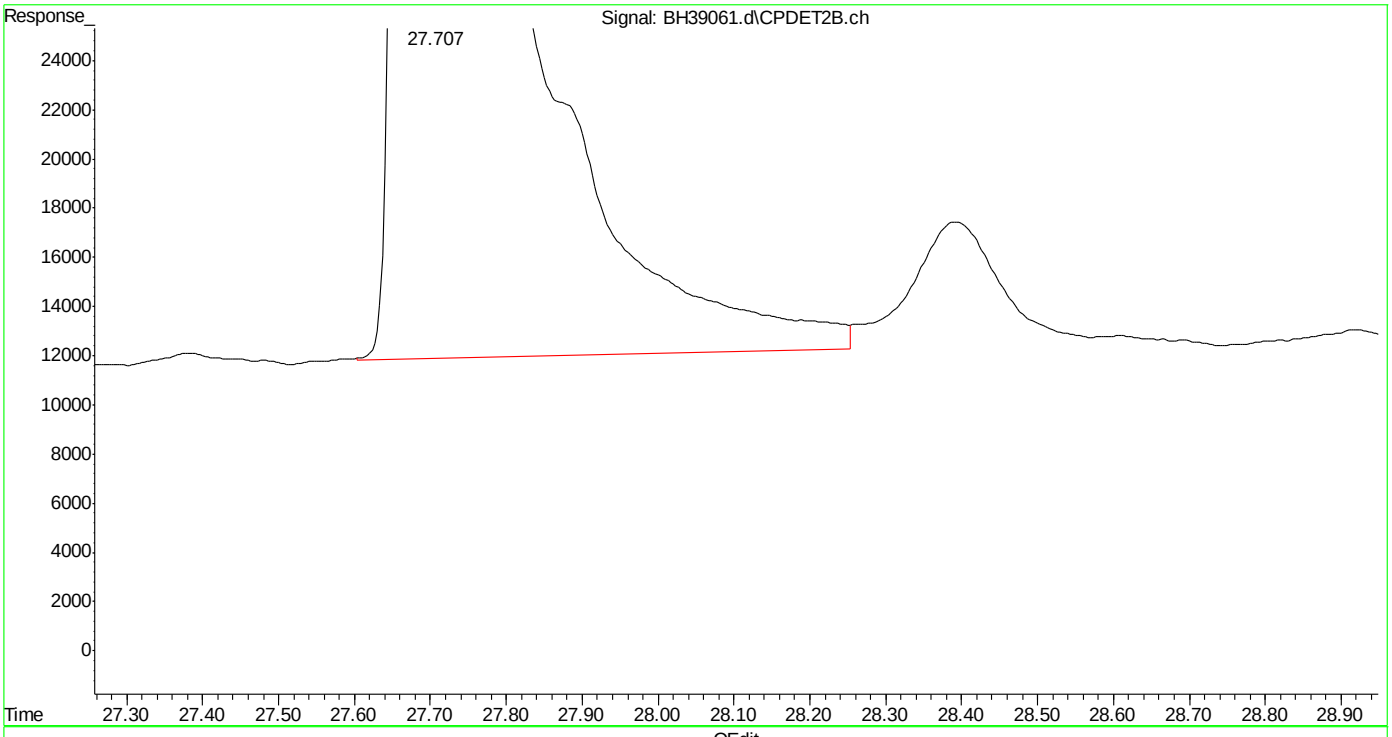
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39061.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:13 am
Operator : danielf
Sample : ic2295-250
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:28:36 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:27:54 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 210.379 ppb m
response 123172740

(+) = Expected Retention Time

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:27:38 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) s fluorobenzene	14.669	90765234	94.980	ppb	m
Spiked Amount 50.000		Recovery = 189.96%			
9) s 2,3,4-trifluorotoluene	19.784	75839465	90.370	ppb	m
Spiked Amount 50.000		Recovery = 180.74%			
25) s fluorobenzene #2	14.670	39932324	96.875	ppb	m
Spiked Amount 50.000		Recovery = 193.75%			
27) s 2,3,4-trifluorotoluen...	19.784	24083903	92.259	ppb	m
Spiked Amount 50.000		Recovery = 184.52%			
Target Compounds					
1) h rt5.5-7	5.980	88006208	94.840	ppb	m
2) h rt7/10	8.250	98501845	94.329	ppb	m
3) t mtbe	9.013	61431151	96.594	ppb	m
4) h rt10/13	13.360	115530079	88.833	ppb	m
5) t benzene	14.167	114939363	92.831	ppb	m
8) t toluene	18.665	115659834	93.260	ppb	m
11) h rt20/25	21.460	104369658	86.406	ppb	m
13) t ethylbenzene	21.799	114887596	94.592	ppb	m
14) t m,p-xylene	21.943	240790244	188.659	ppb	m
15) t o-xylene	22.754	121140736	92.508	ppb	m
16) h decane	23.856	105281419	86.111	ppb	m
17) t 1,3,5-trimethylbenzene	24.253	127133133	91.670	ppb	m
18) t 1,2,4-trimethylbenzene	24.788	125753099	88.478	ppb	m
19) h butylcyclohexane	24.940	116336140	88.710	ppb	m
20) t naphthalene	27.708	80532183	91.988	ppb	m
23) t mtbe #2	9.011	28641380	99.729	ppb	m
24) t benzene #2	14.167	63717445	93.925	ppb	m
26) t toluene #2	18.665	59634760	94.492	ppb	m
28) t ethylbenzene #2	21.798	53836458	97.772	ppb	m
29) t m,p-xylene #2	21.942	129216067	189.226	ppb	m
30) t o-xylene #2	22.753	55746821	93.545	ppb	m
31) t 1,3,5-trimethylbenzen...	24.254	80495892	92.845	ppb	
32) t 1,2,4-trimethylbenzen...	24.788	61313205	90.987	ppb	m
33) t naphthalene #2	27.707	54237843	91.294	ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	61406833	91.081	ppb	m

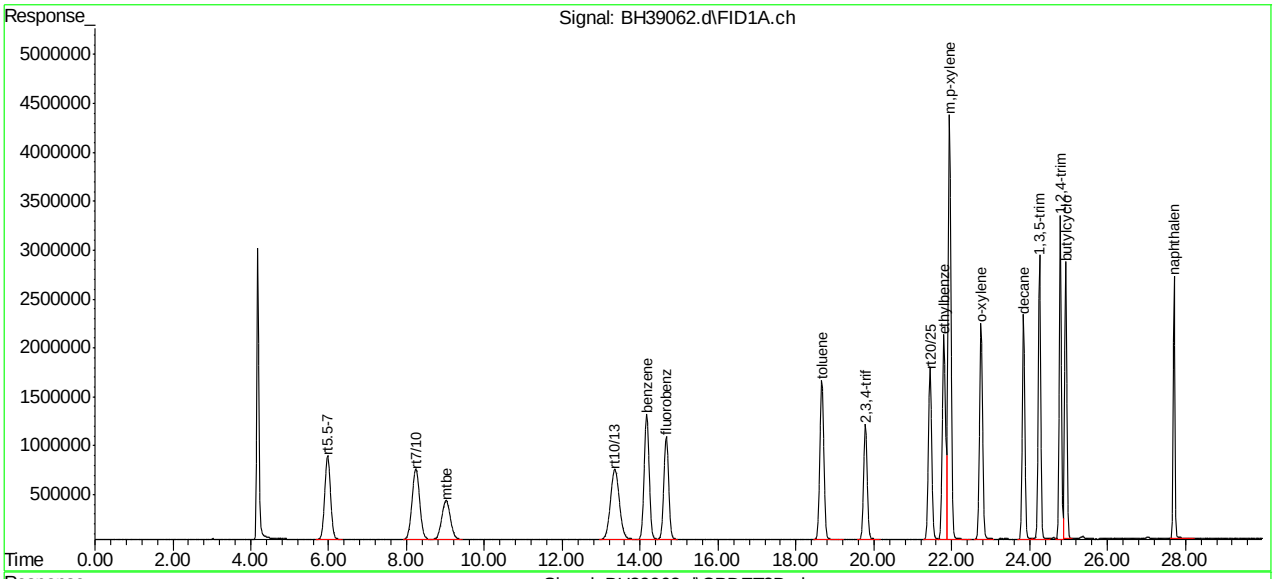
(f)=RT Delta > 1/2 Window (m)=manual int.

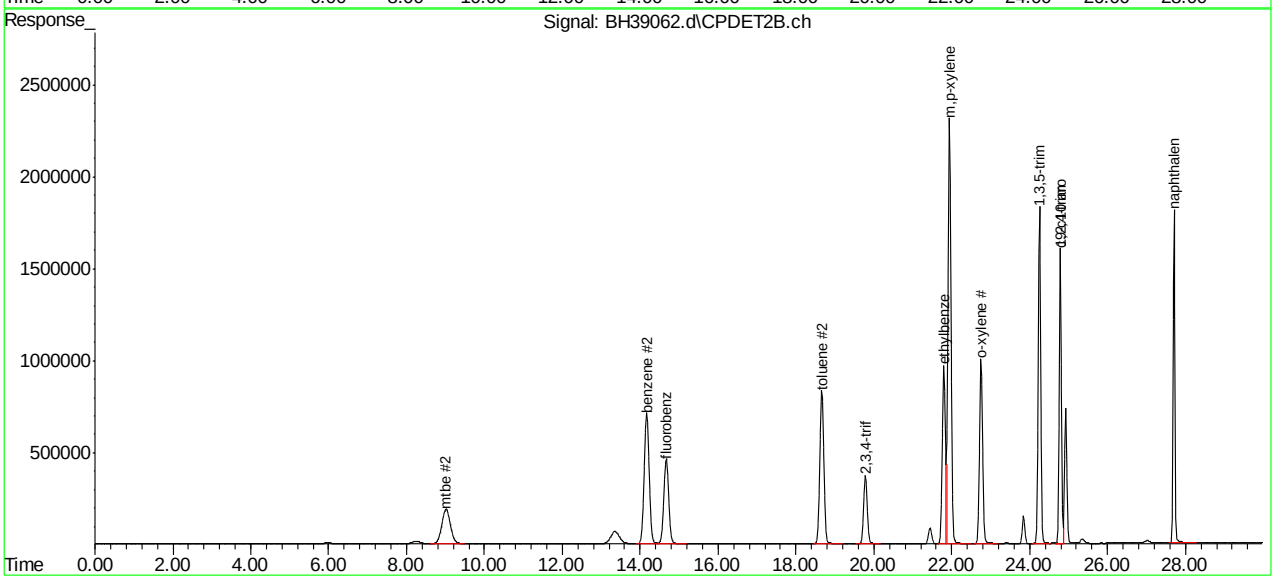
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:27:38 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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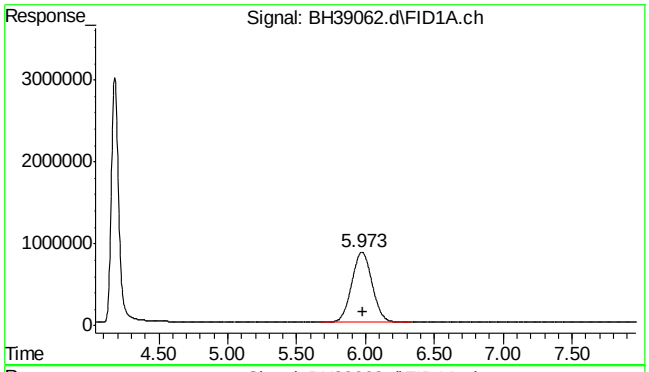
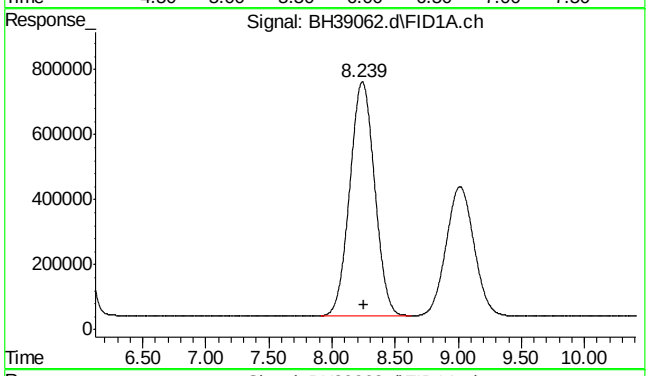


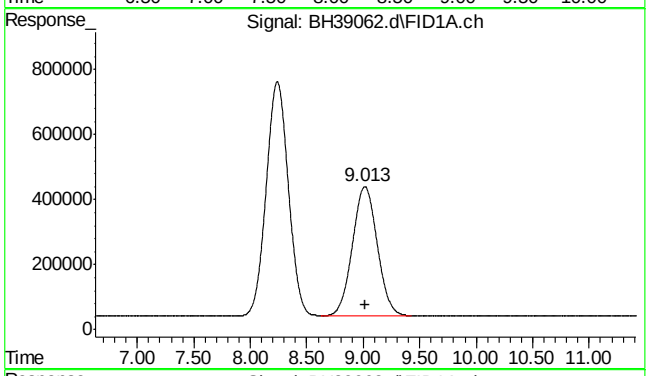
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 88006208
Conc: 94.84 ppb m



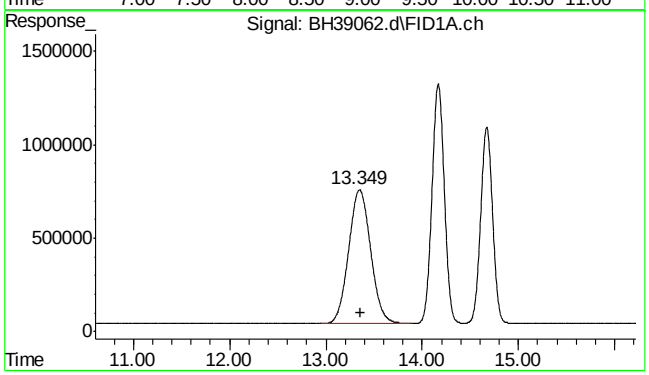
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 98501845
Conc: 94.33 ppb m



#3 mtbe

R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 61431151
Conc: 96.59 ppb m



#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 115530079
Conc: 88.83 ppb m

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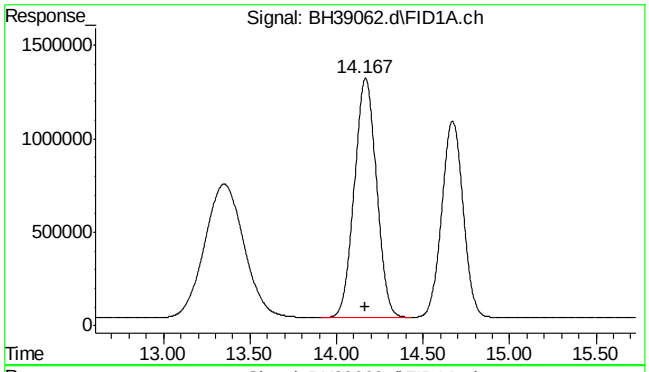
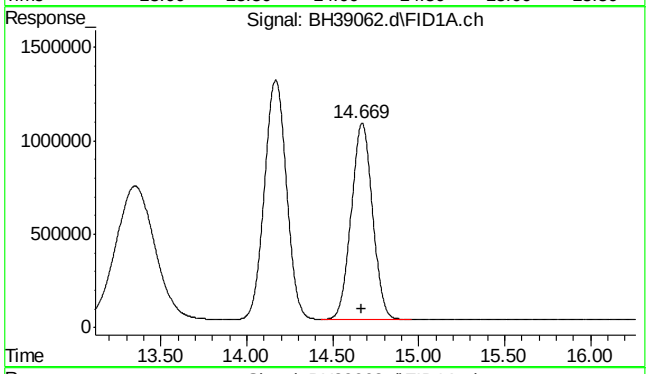


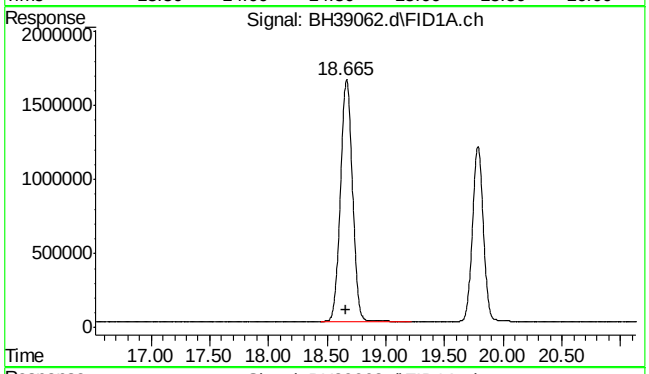
#5 benzene

R.T.: 14.167 min
Delta R.T.: 0.000 min
Response: 114939363
Conc: 92.83 ppb m



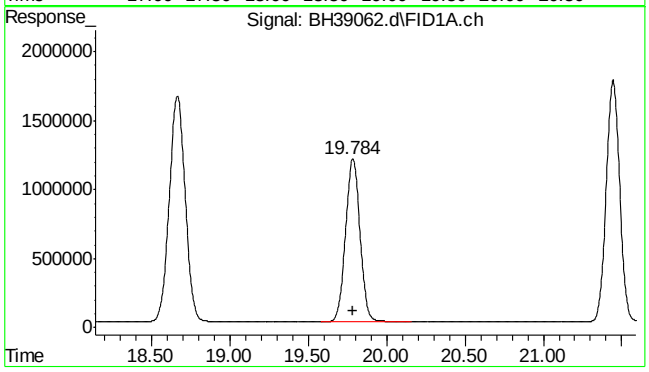
#6 fluorobenzene

R.T.: 14.669 min
Delta R.T.: 0.000 min
Response: 90765234
Conc: 94.98 ppb m



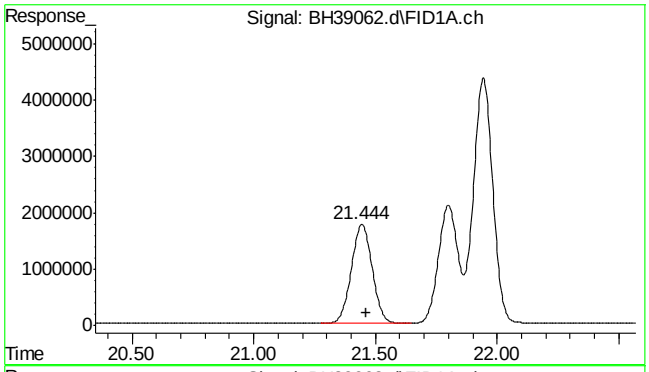
#8 toluene

R.T.: 18.665 min
Delta R.T.: 0.000 min
Response: 115659834
Conc: 93.26 ppb m



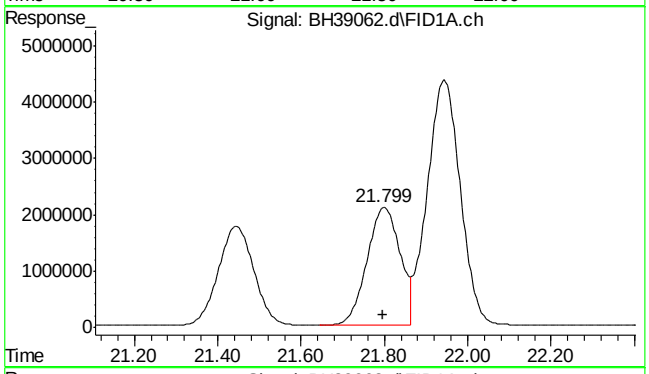
#9 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 75839465
Conc: 90.37 ppb m



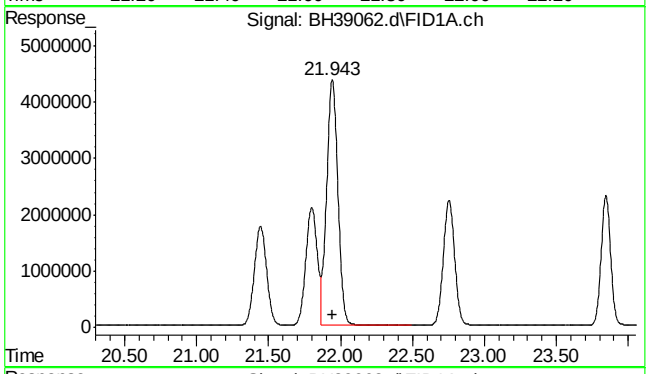
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 104369658
Conc: 86.41 ppb m



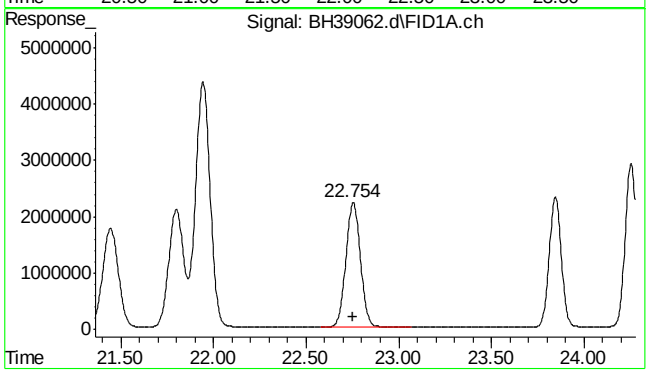
#13 ethylbenzene

R.T.: 21.799 min
Delta R.T.: 0.000 min
Response: 114887596
Conc: 94.59 ppb m



#14 m,p-xylene

R.T.: 21.943 min
Delta R.T.: 0.000 min
Response: 240790244
Conc: 188.66 ppb m



#15 o-xylene

R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 121140736
Conc: 92.51 ppb m

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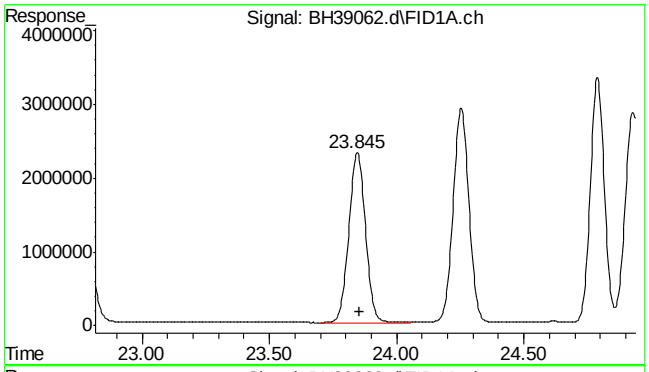
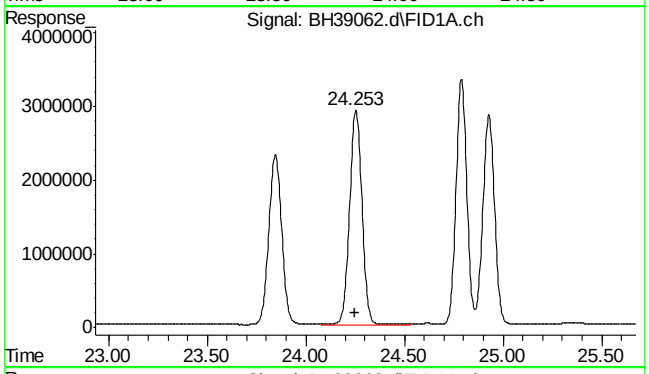


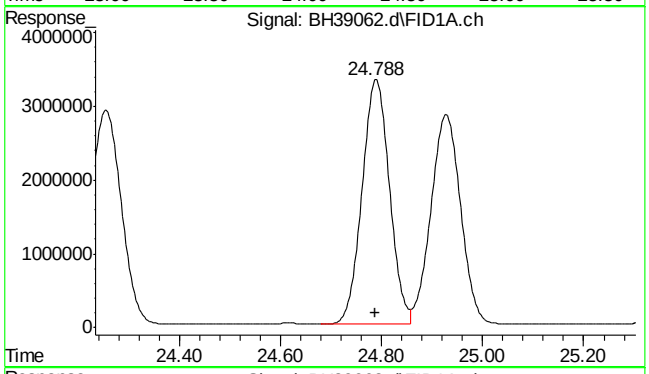
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 105281419
Conc: 86.11 ppb m



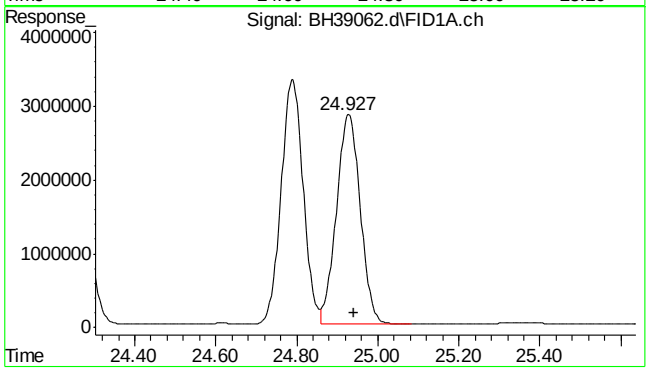
#17 1,3,5-trimethylbenzene

R.T.: 24.253 min
Delta R.T.: 0.001 min
Response: 127133133
Conc: 91.67 ppb m



#18 1,2,4-trimethylbenzene

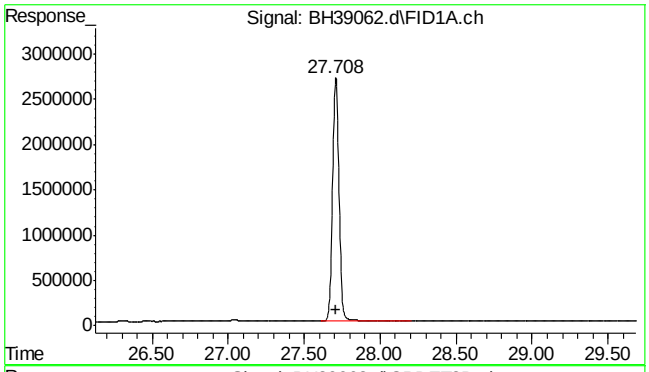
R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 125753099
Conc: 88.48 ppb m



#19 butylcyclohexane

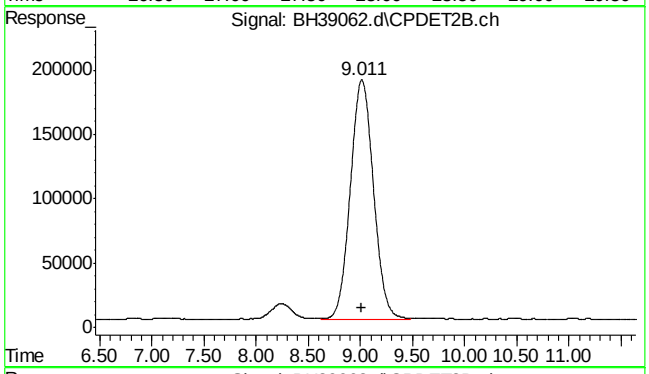
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 116336140
Conc: 88.71 ppb m

SGS ACCUTEST MC45857



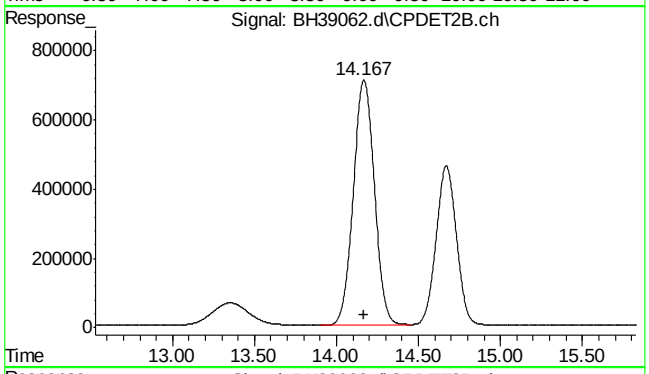
#20 naphthalene

R.T.: 27.708 min
Delta R.T.: 0.001 min
Response: 80532183
Conc: 91.99 ppb m



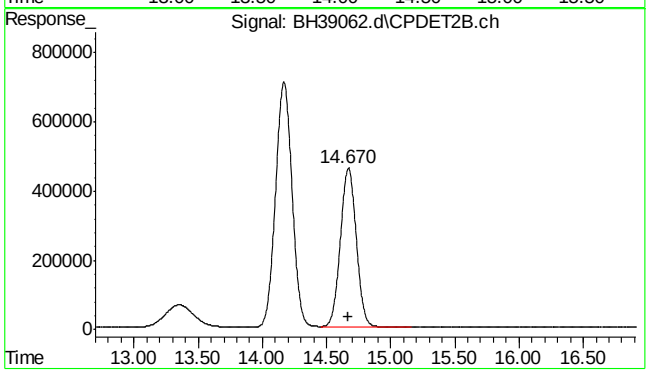
#23 mtbe #2

R.T.: 9.011 min
Delta R.T.: -0.002 min
Response: 28641380
Conc: 99.73 ppb m



#24 benzene #2

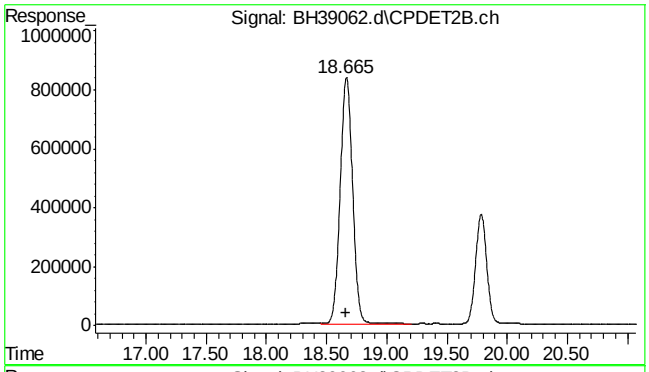
R.T.: 14.167 min
Delta R.T.: 0.001 min
Response: 63717445
Conc: 93.93 ppb m



#25 fluorobenzene #2

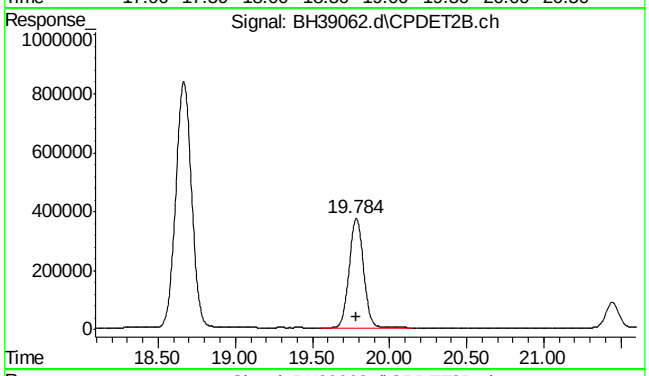
R.T.: 14.670 min
Delta R.T.: 0.002 min
Response: 39932324
Conc: 96.88 ppb m

SGS ACCUTEST MC45857



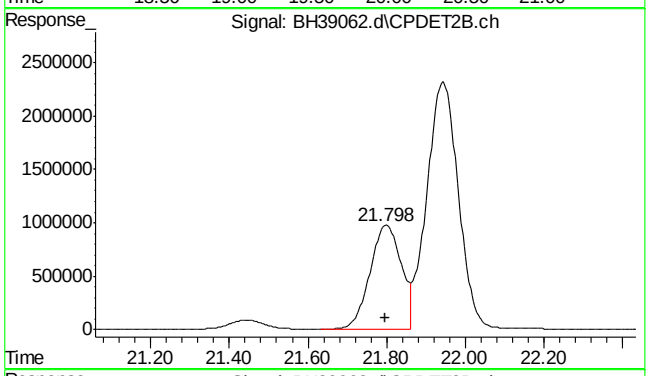
#26 toluene #2

R.T.: 18.665 min
Delta R.T.: 0.000 min
Response: 59634760
Conc: 94.49 ppb m



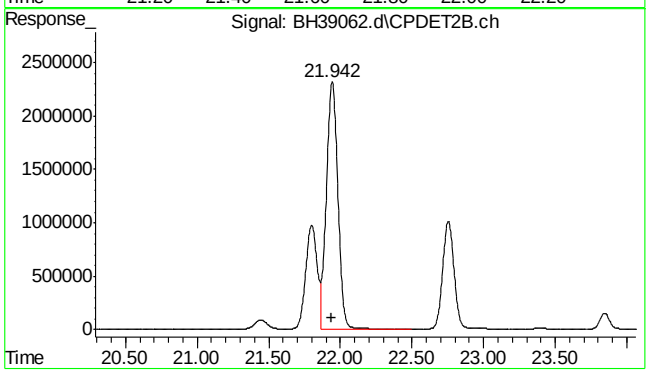
#27 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 24083903
Conc: 92.26 ppb m



#28 ethylbenzene #2

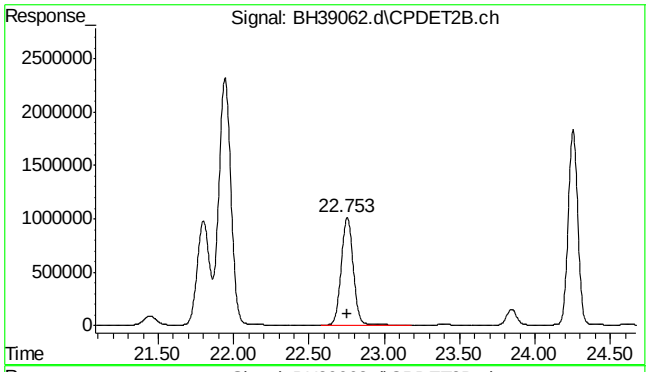
R.T.: 21.798 min
Delta R.T.: 0.001 min
Response: 53836458
Conc: 97.77 ppb m



#29 m,p-xylene #2

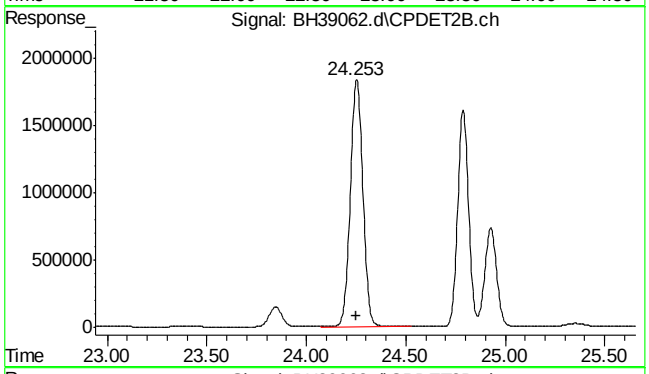
R.T.: 21.942 min
Delta R.T.: 0.001 min
Response: 129216067
Conc: 189.23 ppb m

SGS ACCUTEST MC45857



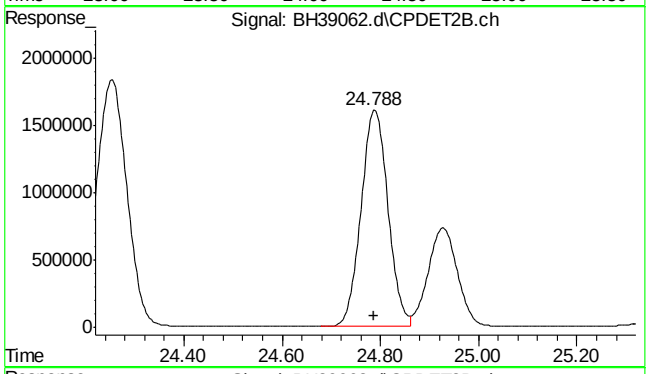
#30 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 55746821
Conc: 93.54 ppb m



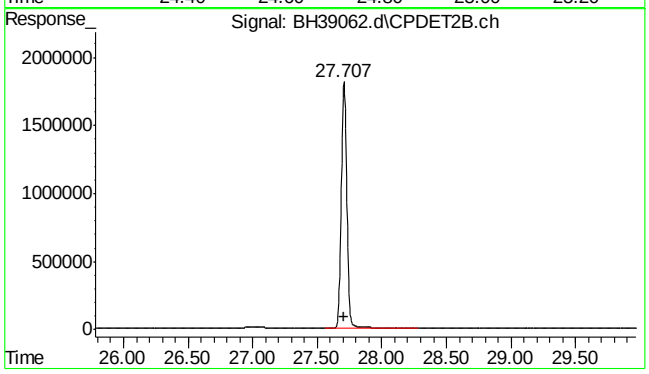
#31 1,3,5-trimethylbenzene #2

R.T.: 24.254 min
Delta R.T.: 0.002 min
Response: 80495892
Conc: 92.84 ppb



#32 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 61313205
Conc: 90.99 ppb m



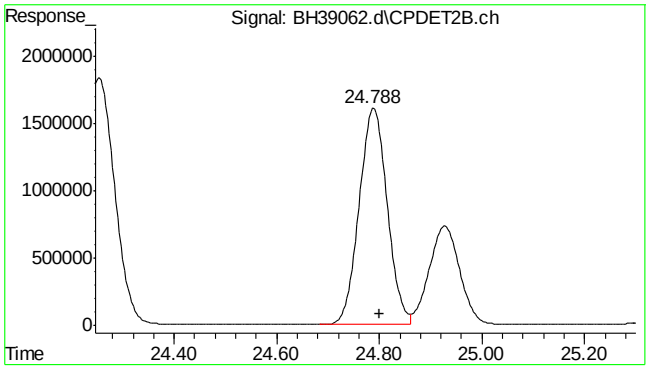
#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.001 min
Response: 54237843
Conc: 91.29 ppb m

7.5.4

7

SGS ACCUTEST MC45857



#34 c9-c10 arom as 1,2,4-tmb

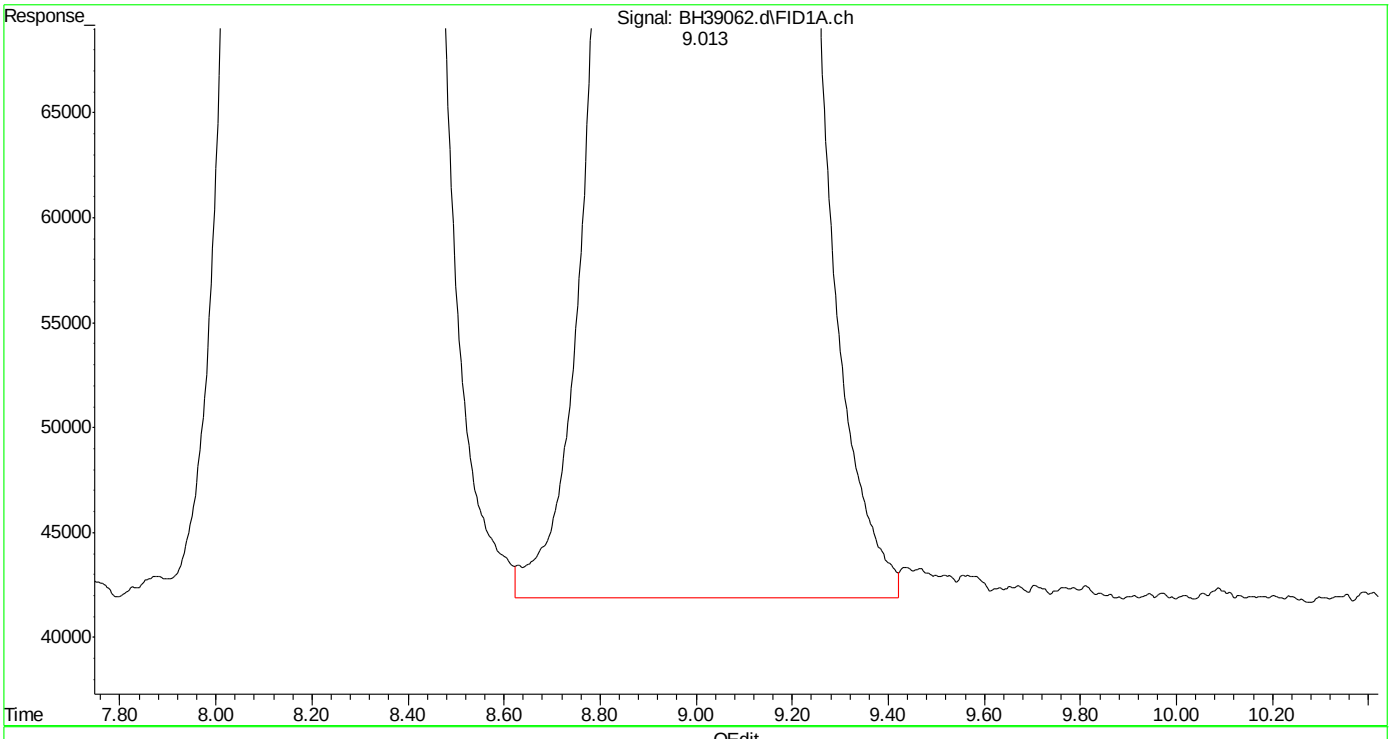
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 61406833
Conc: 91.08 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.014min 96.619 ppb
response 61447064

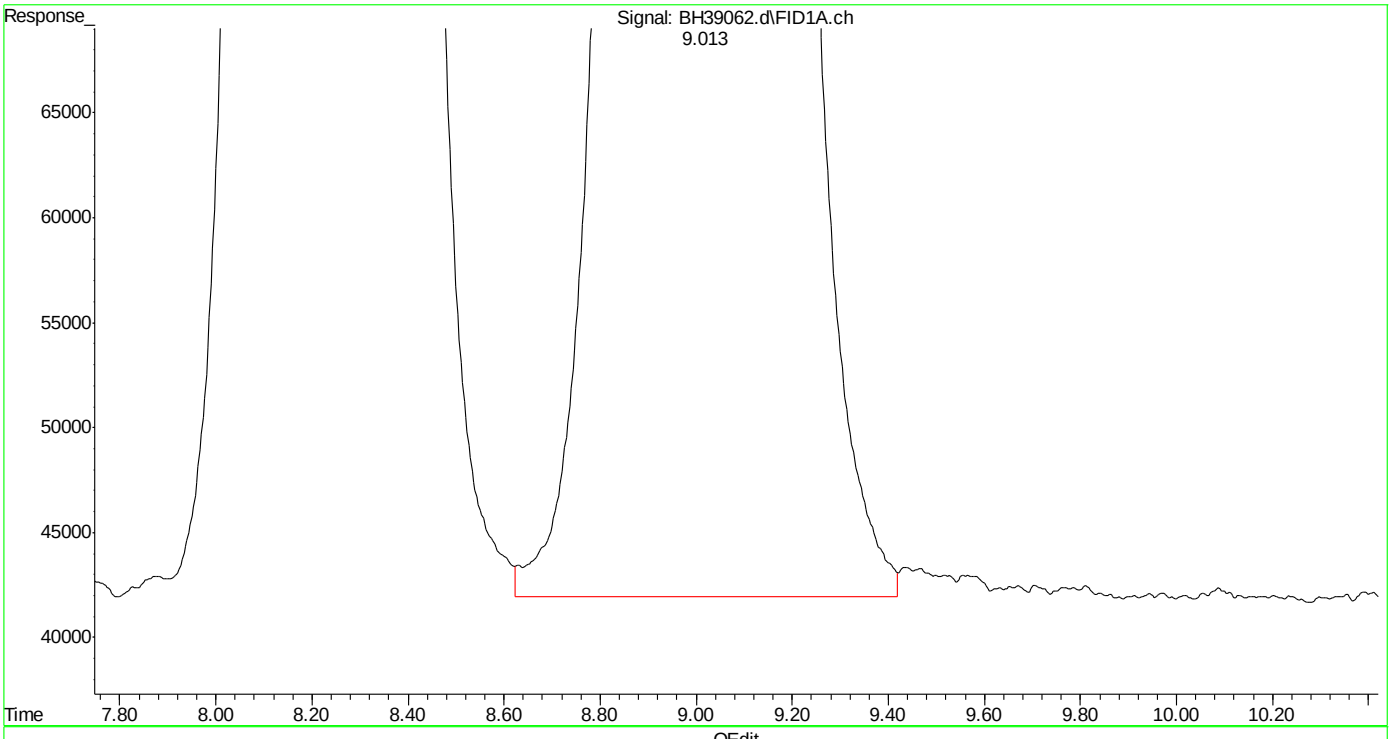
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:21:50 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.013min 96.594 ppb m
response 61431151

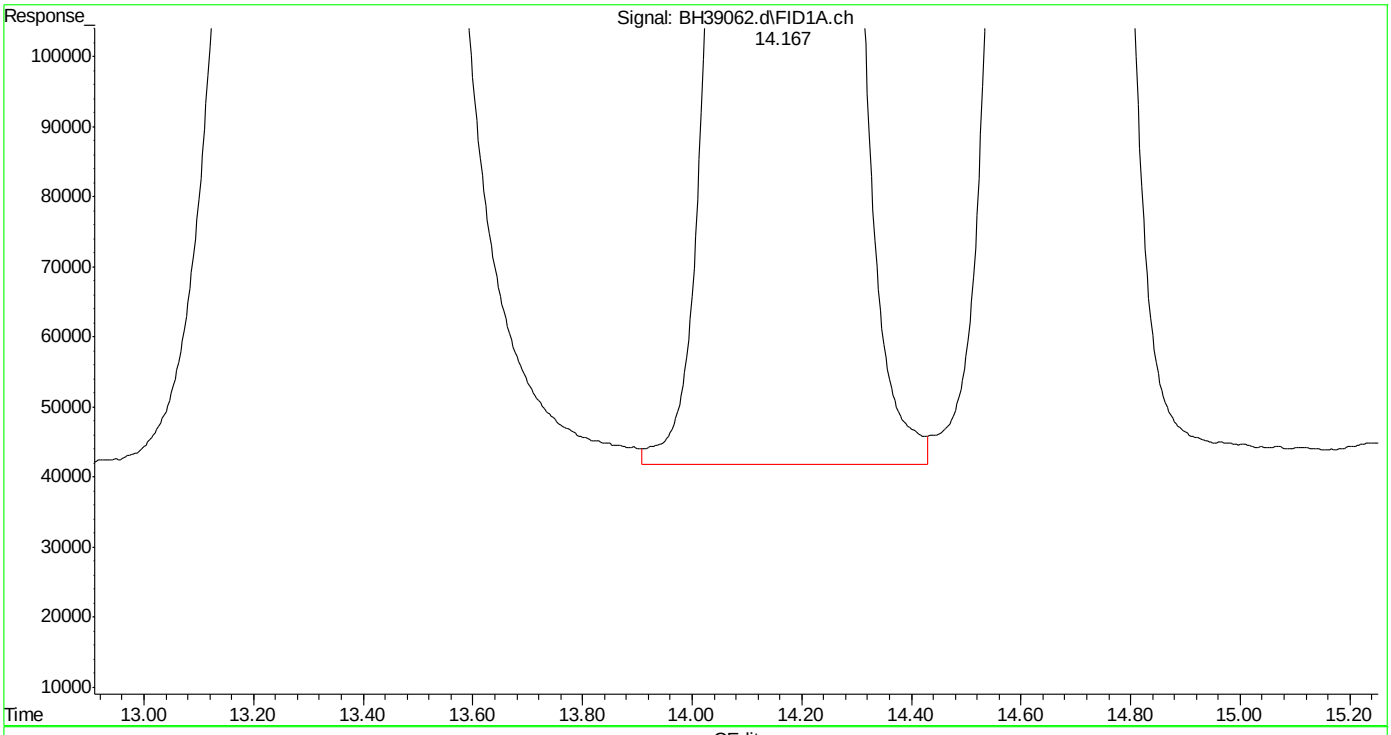
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:21:57 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.168min 92.937 ppb
response 115071123

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:22:08 2016 Page: 1

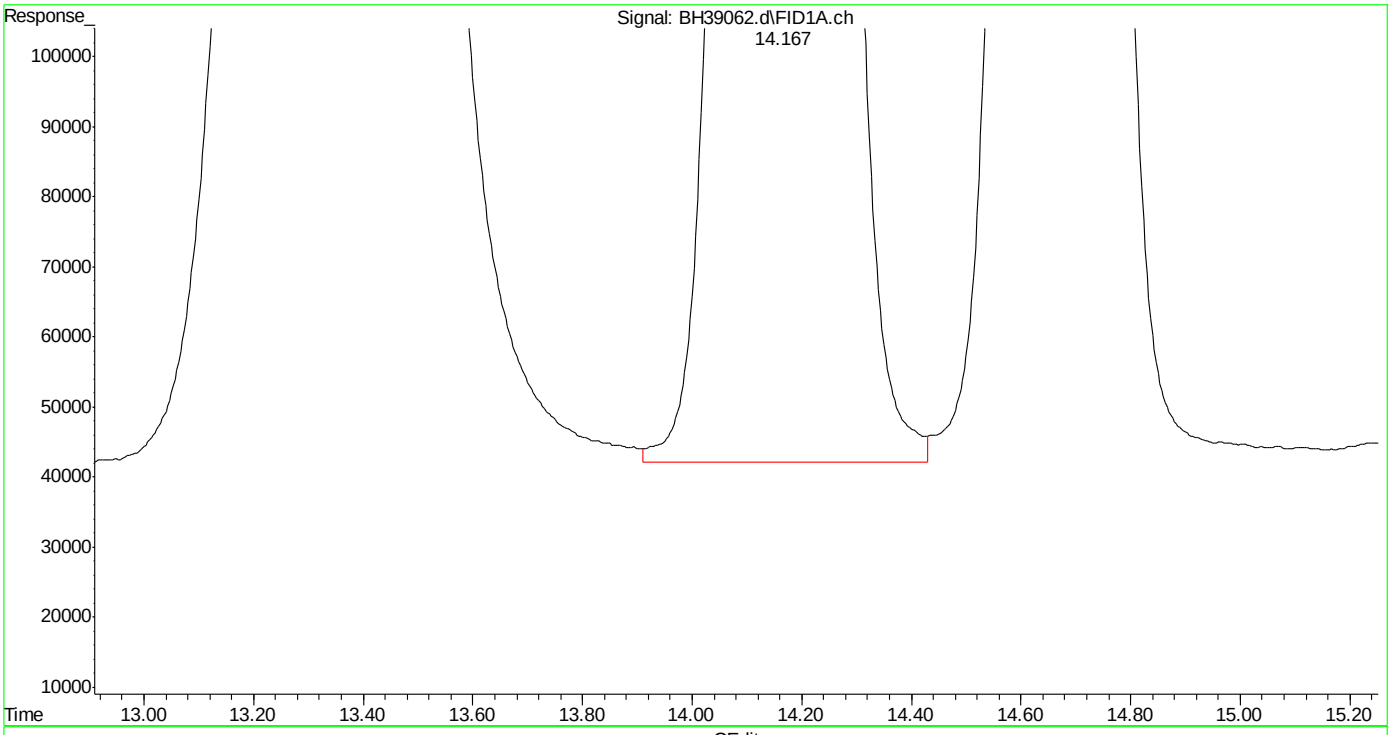
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.167min 92.831 ppb m
response 114939363

(+) = Expected Retention Time

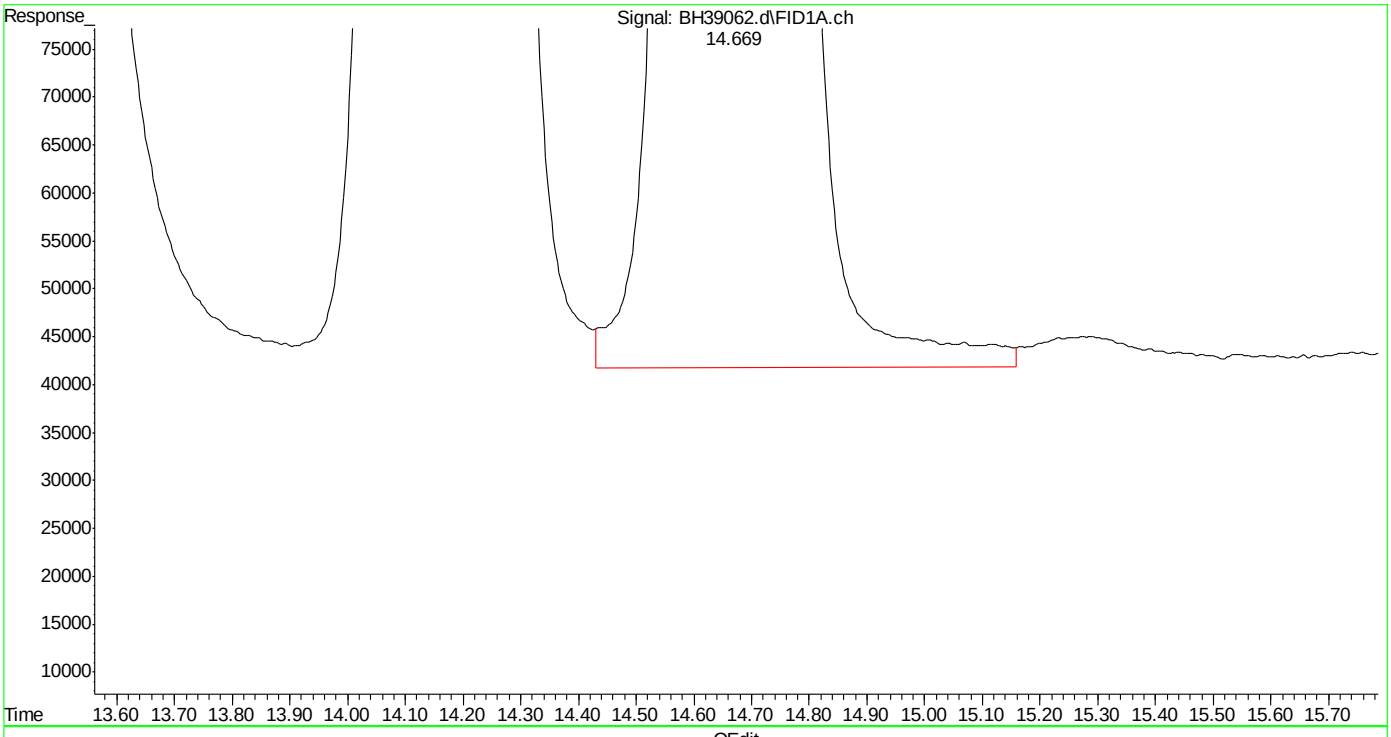
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.671min 96.006 ppb
response 91745451

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:22:24 2016 Page: 1

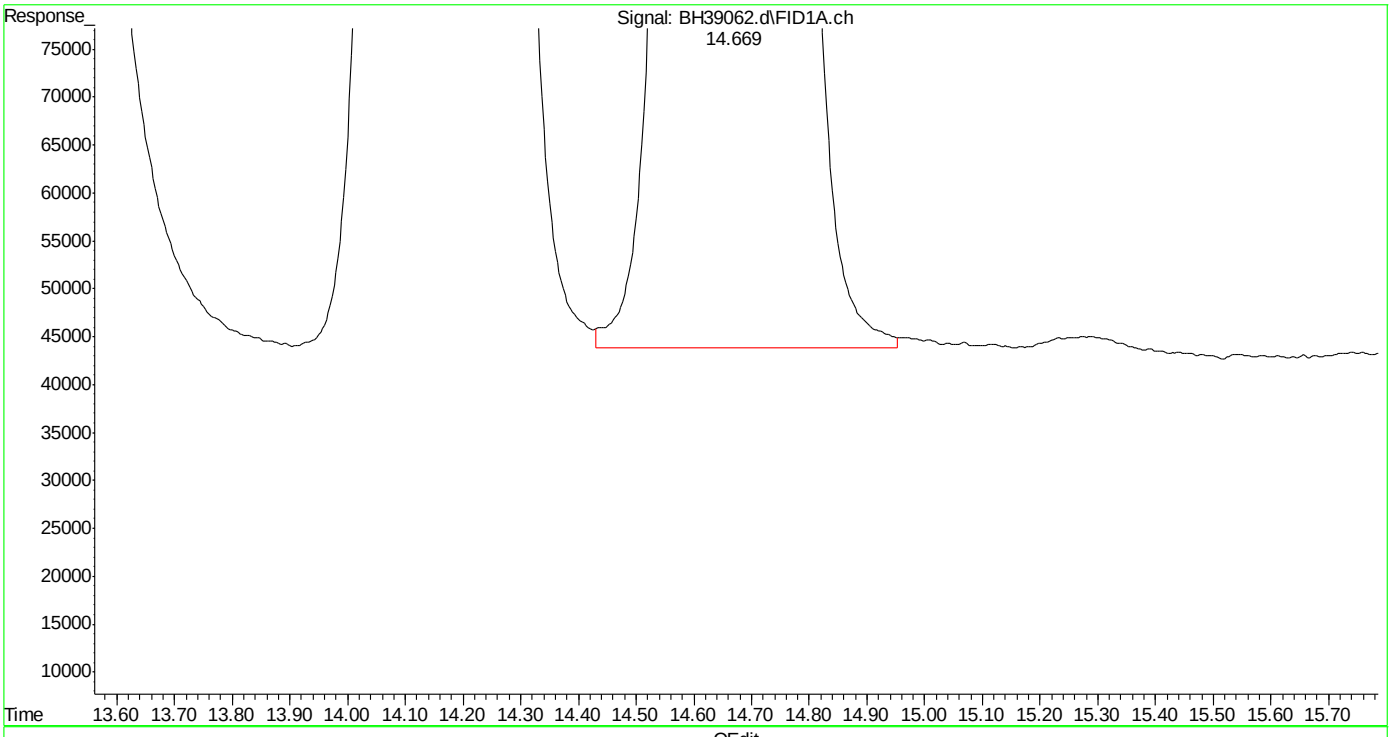
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.669min 94.980 ppb m
response 90765234

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:22:32 2016

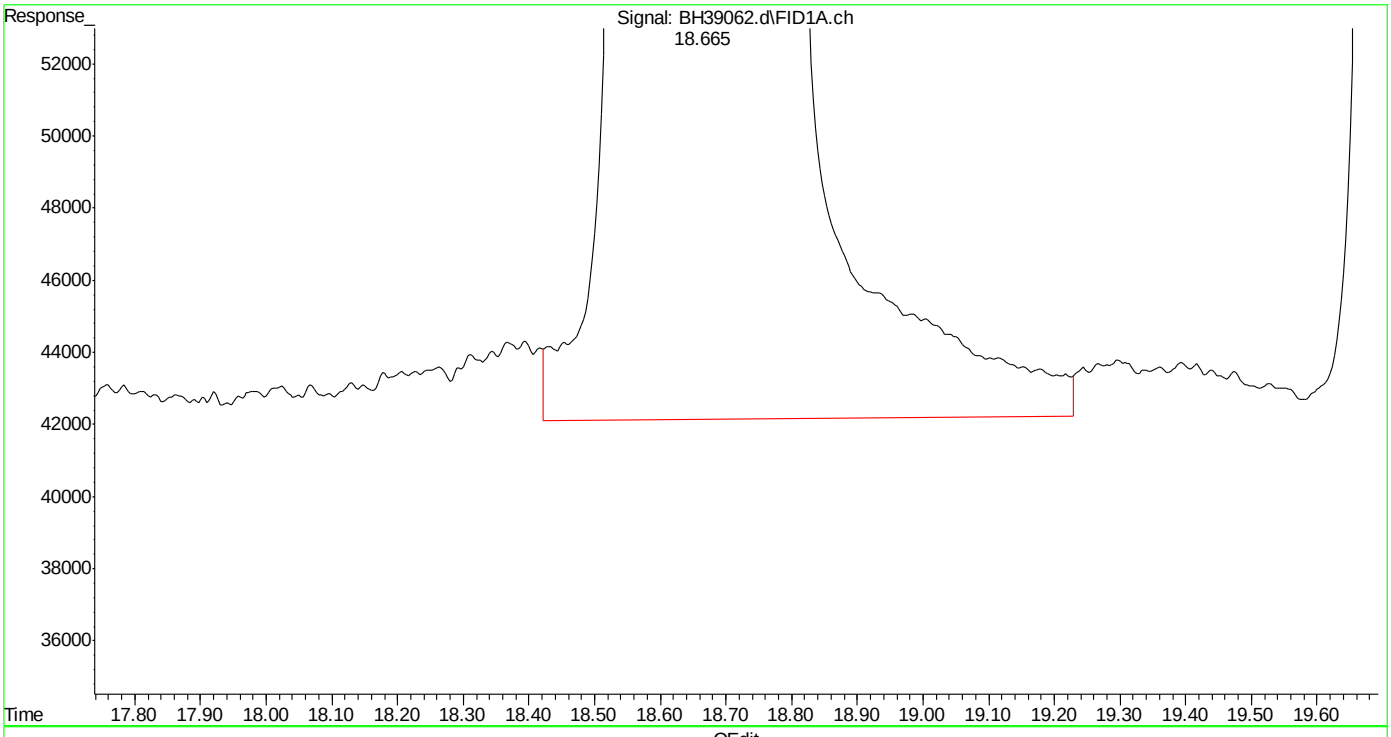
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.666min 93.708 ppb
response 116215260

(+) = Expected Retention Time

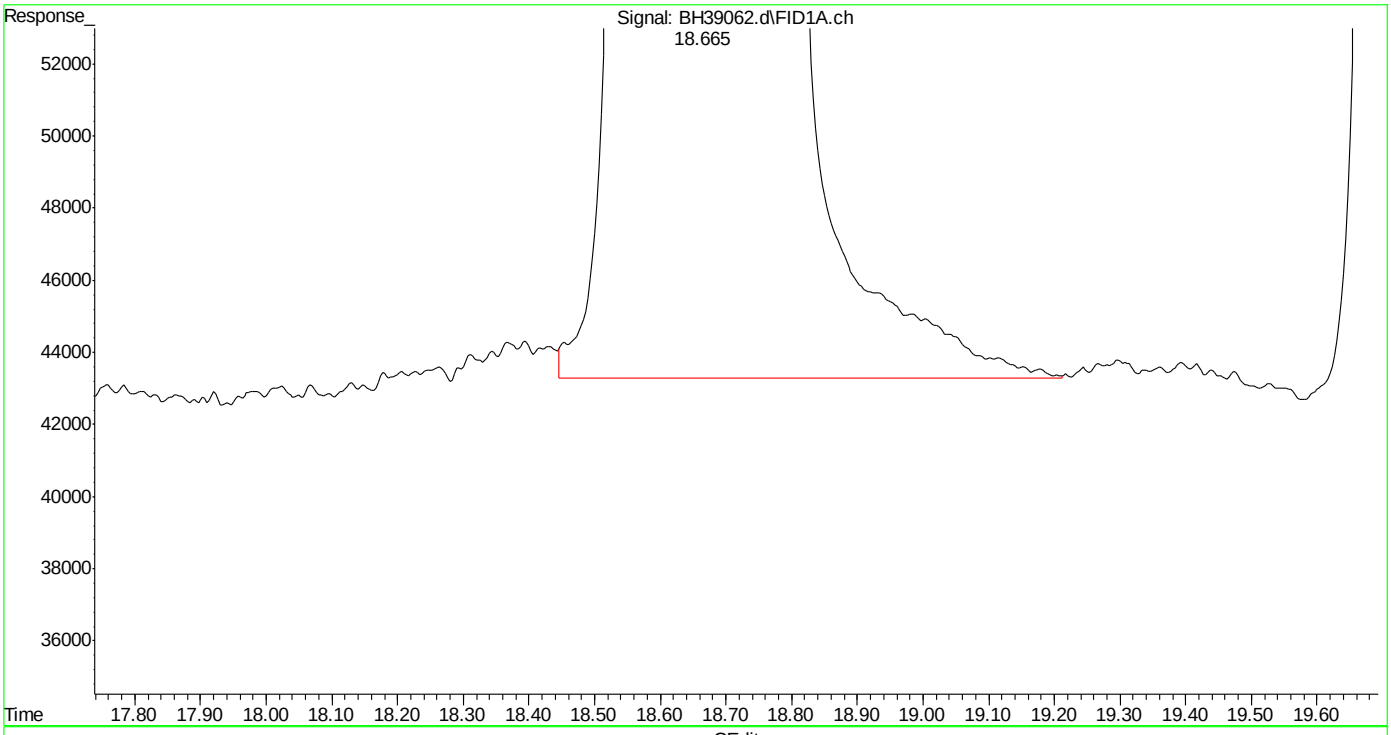
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.665min 93.260 ppb m
response 115659834

(+) = Expected Retention Time

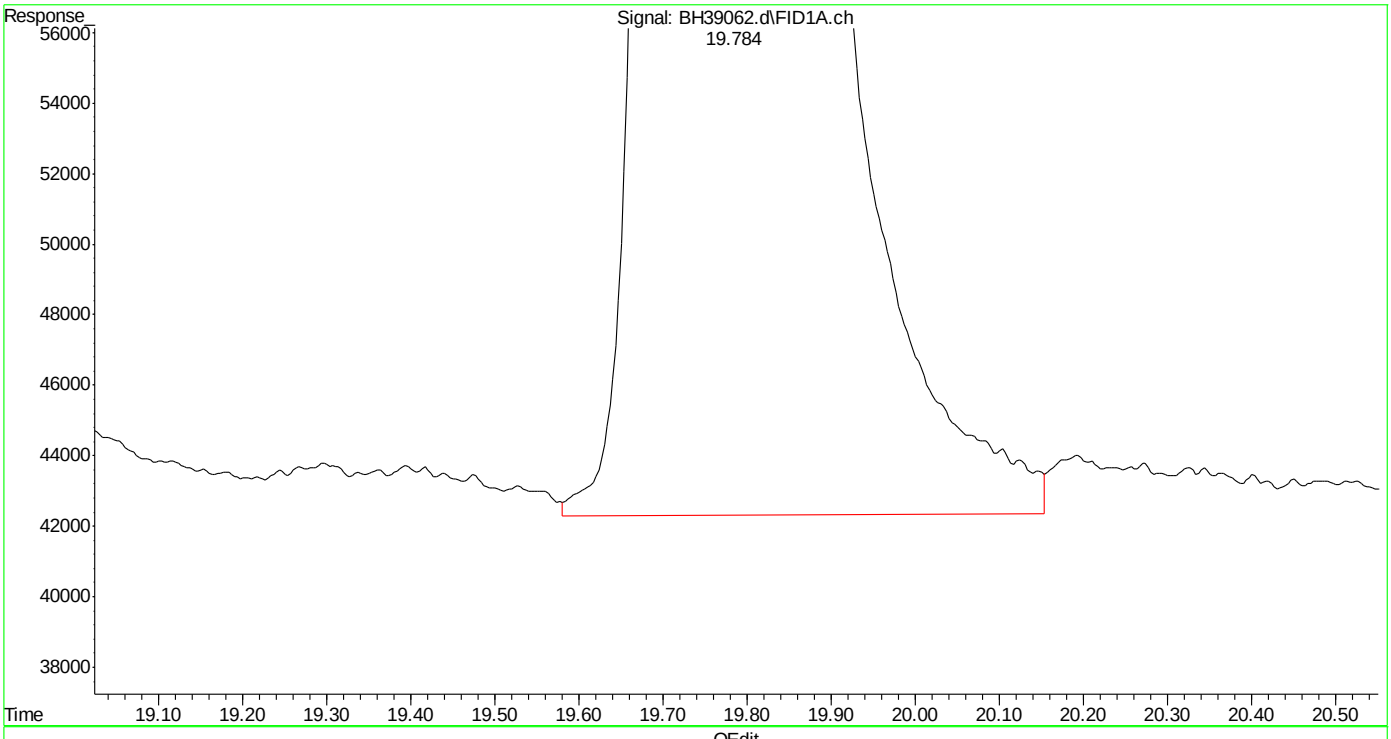
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.785min 90.510 ppb
response 75956747

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:22:51 2016 Page: 1

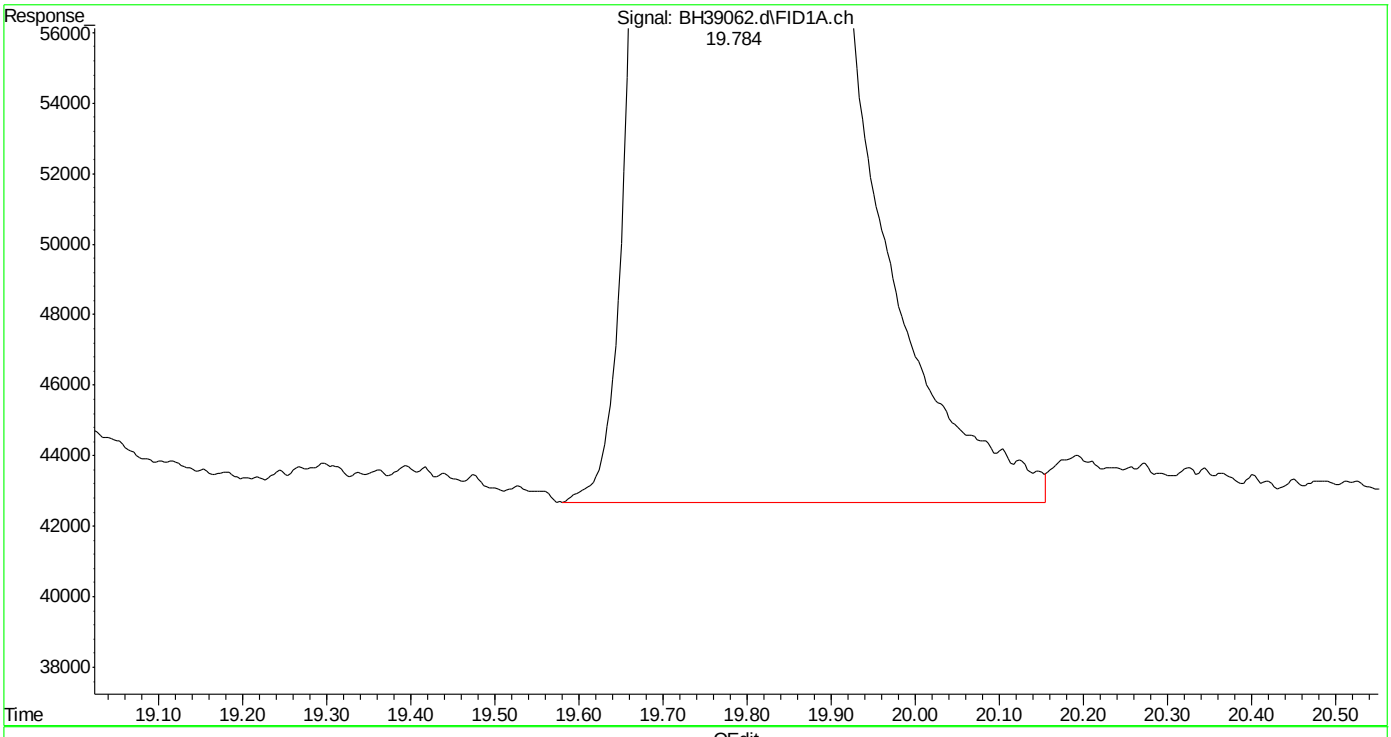
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.784min 90.370 ppb m
response 75839465

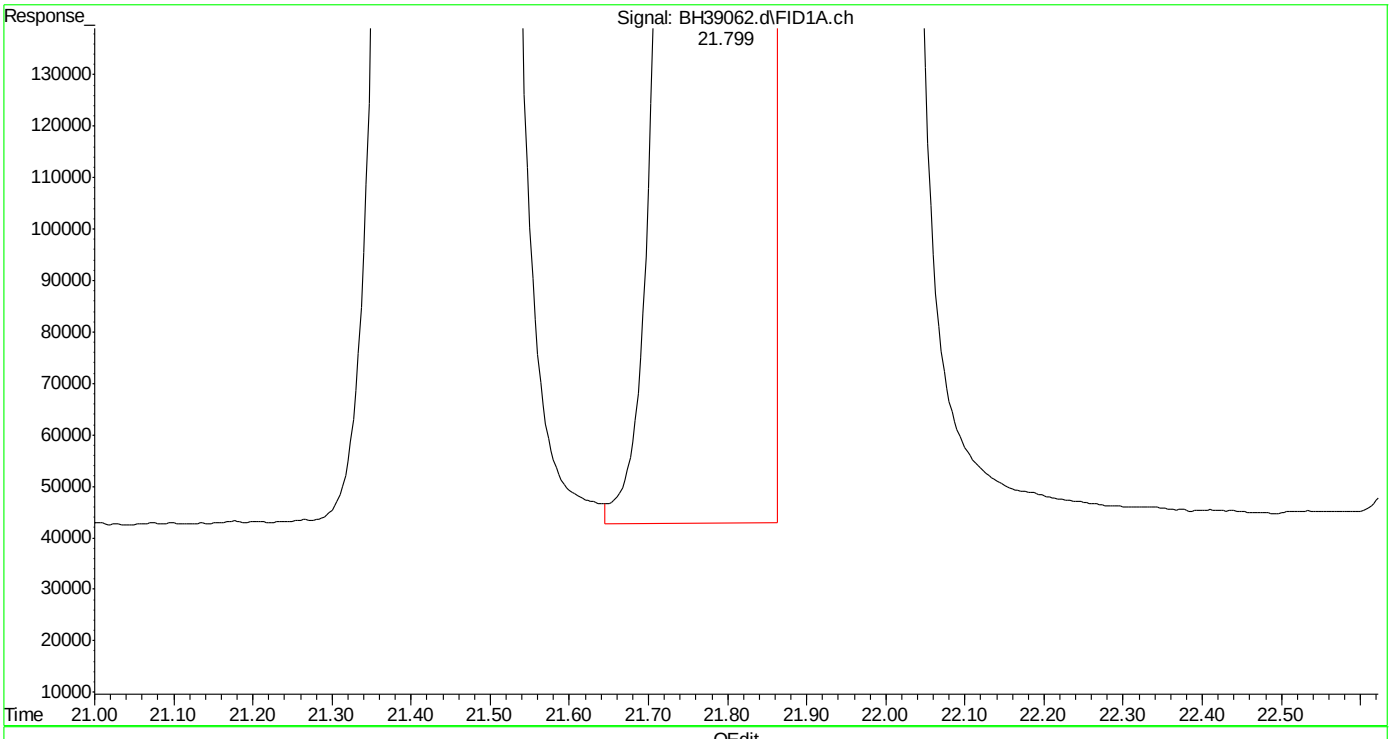
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:23:00 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.800min 94.719 ppb
response 115042660

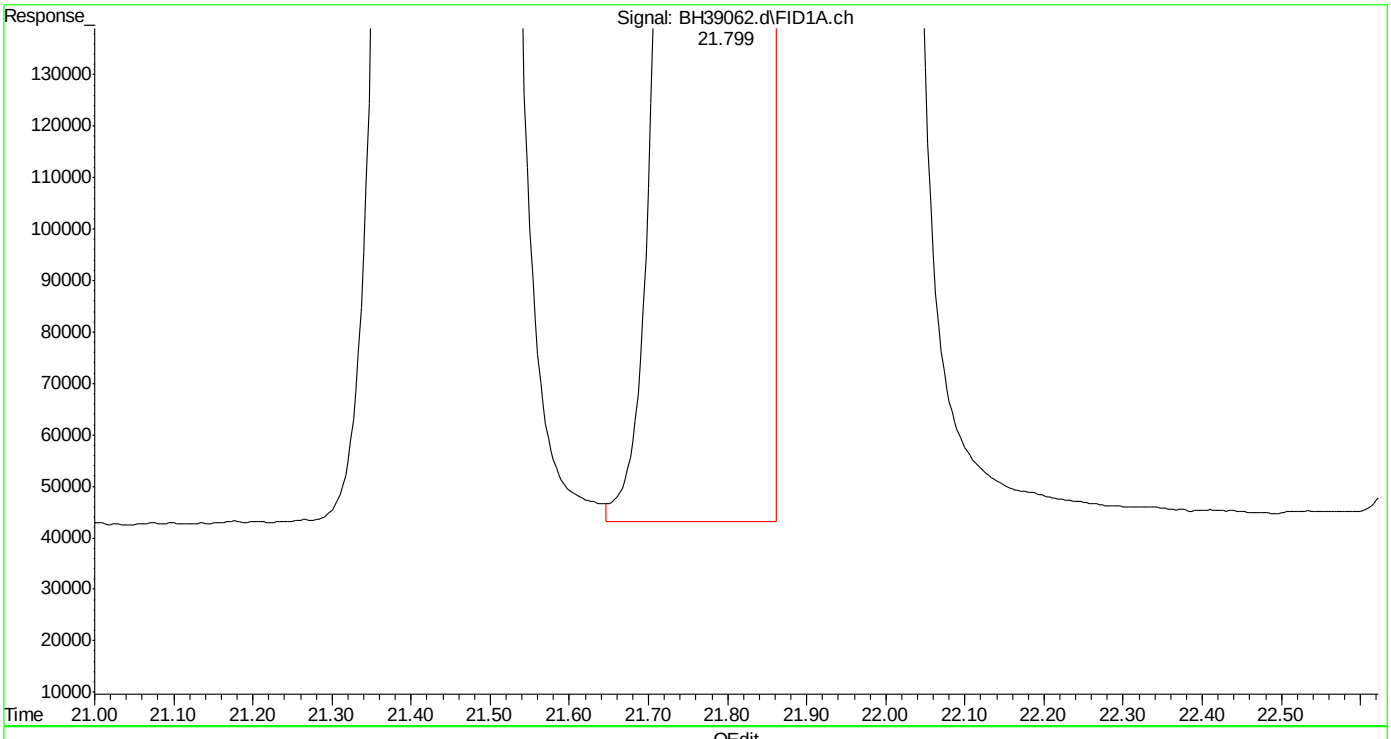
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:23:16 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.799min 94.592 ppb m
response 114887596

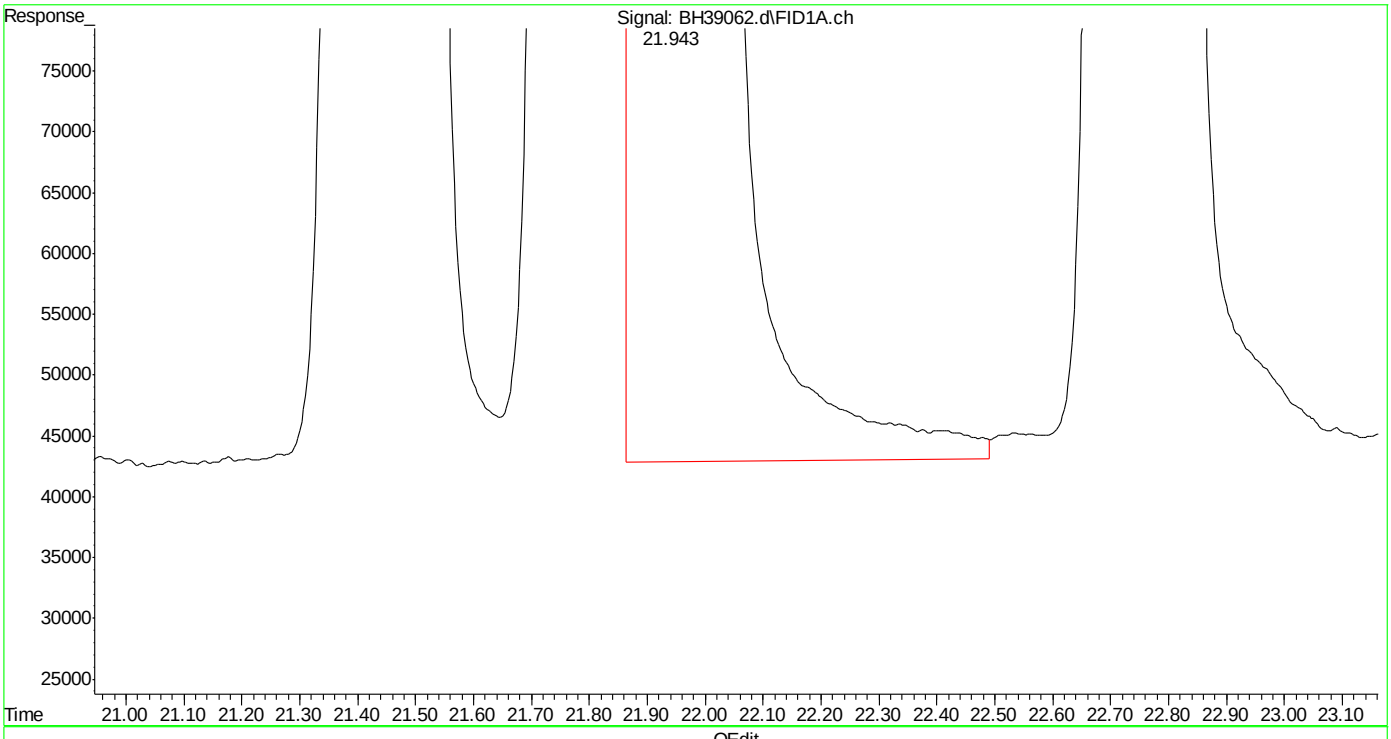
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.944min 189.607 ppb
response 241999930

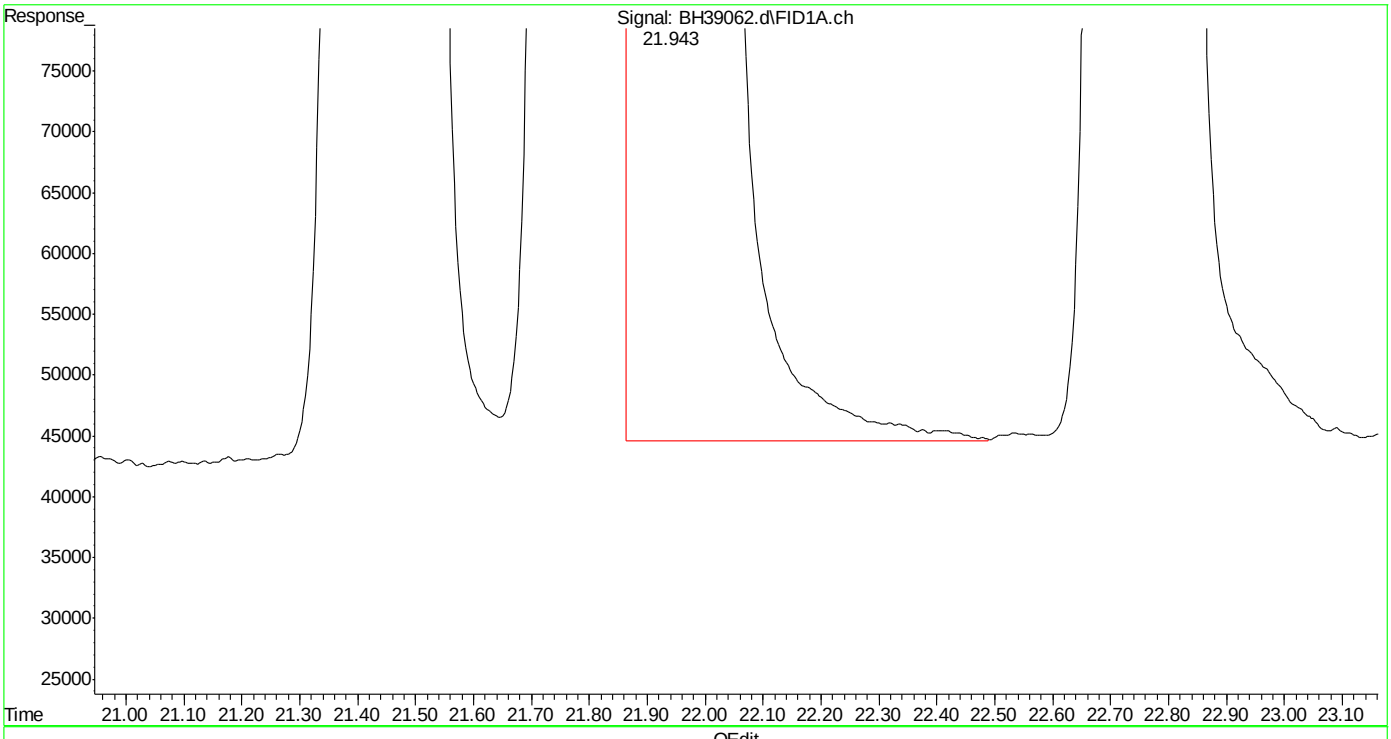
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 188.659 ppb m
response 240790244

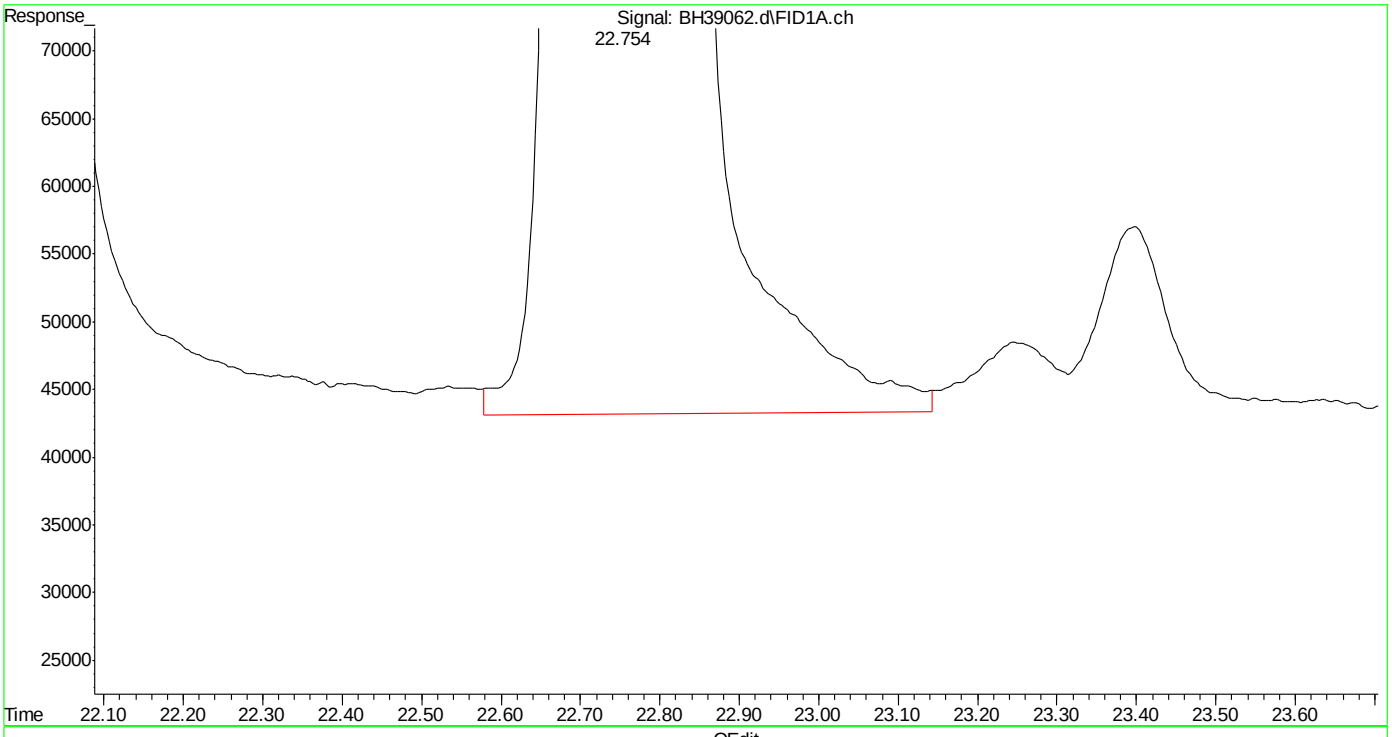
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:23:38 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.755min 92.872 ppb
response 121617308

(+) = Expected Retention Time

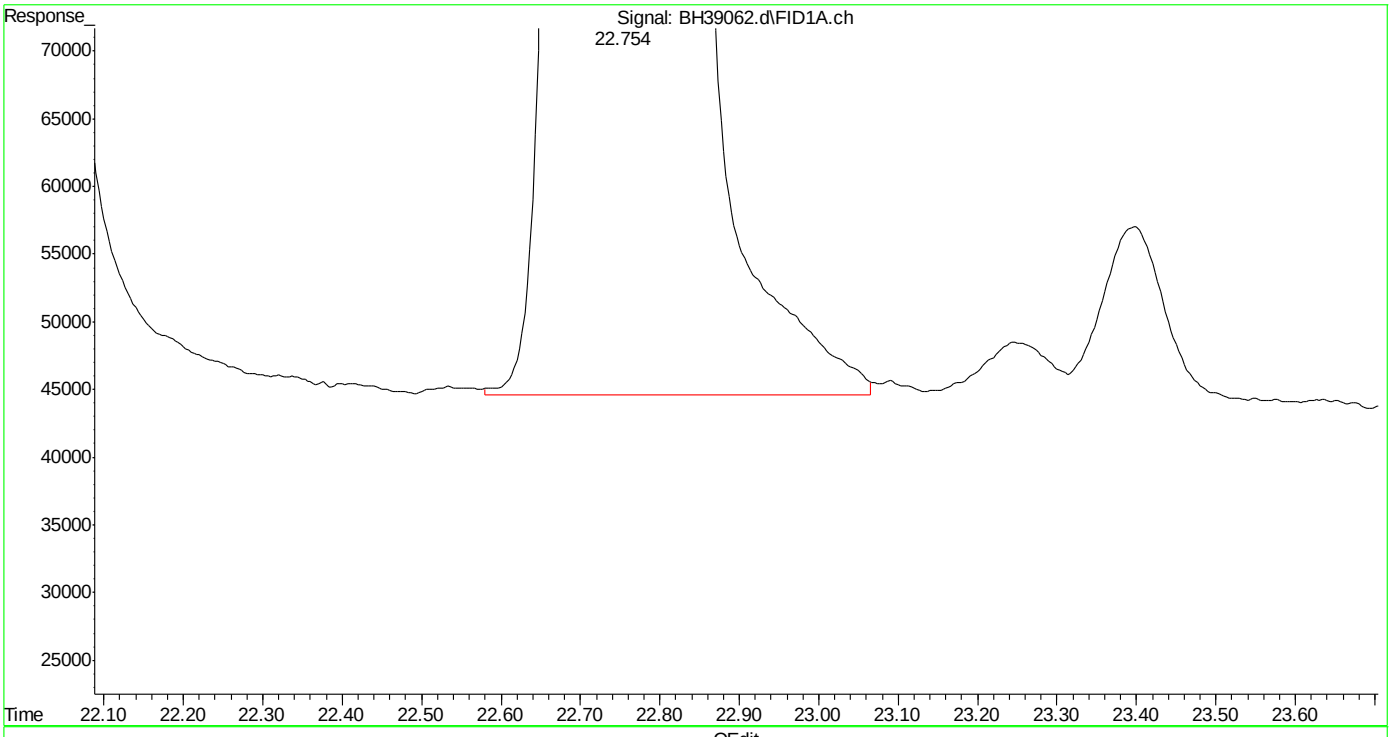
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.754min 92.508 ppb m
response 121140736

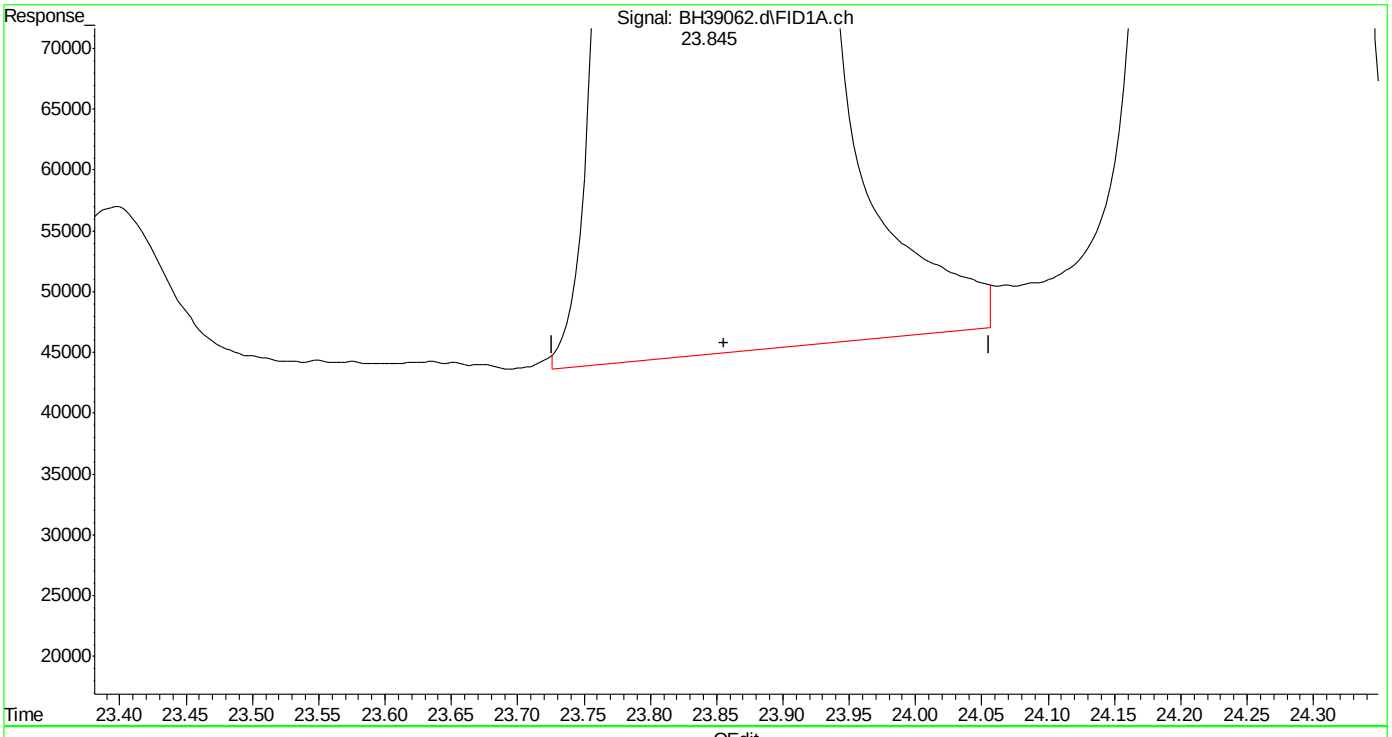
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:23:50 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 85.815 ppb
response 104920419

(+) = Expected Retention Time

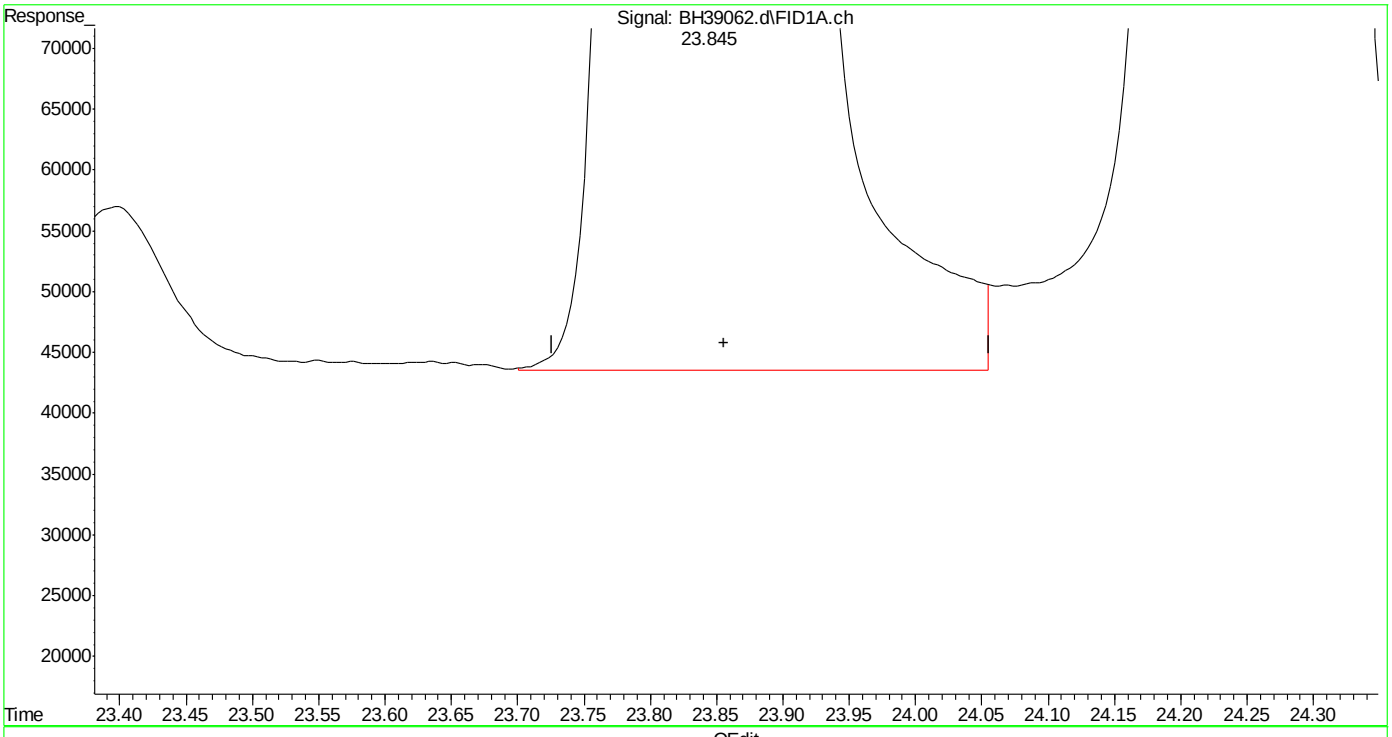
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 86.111 ppb m
response 105281419

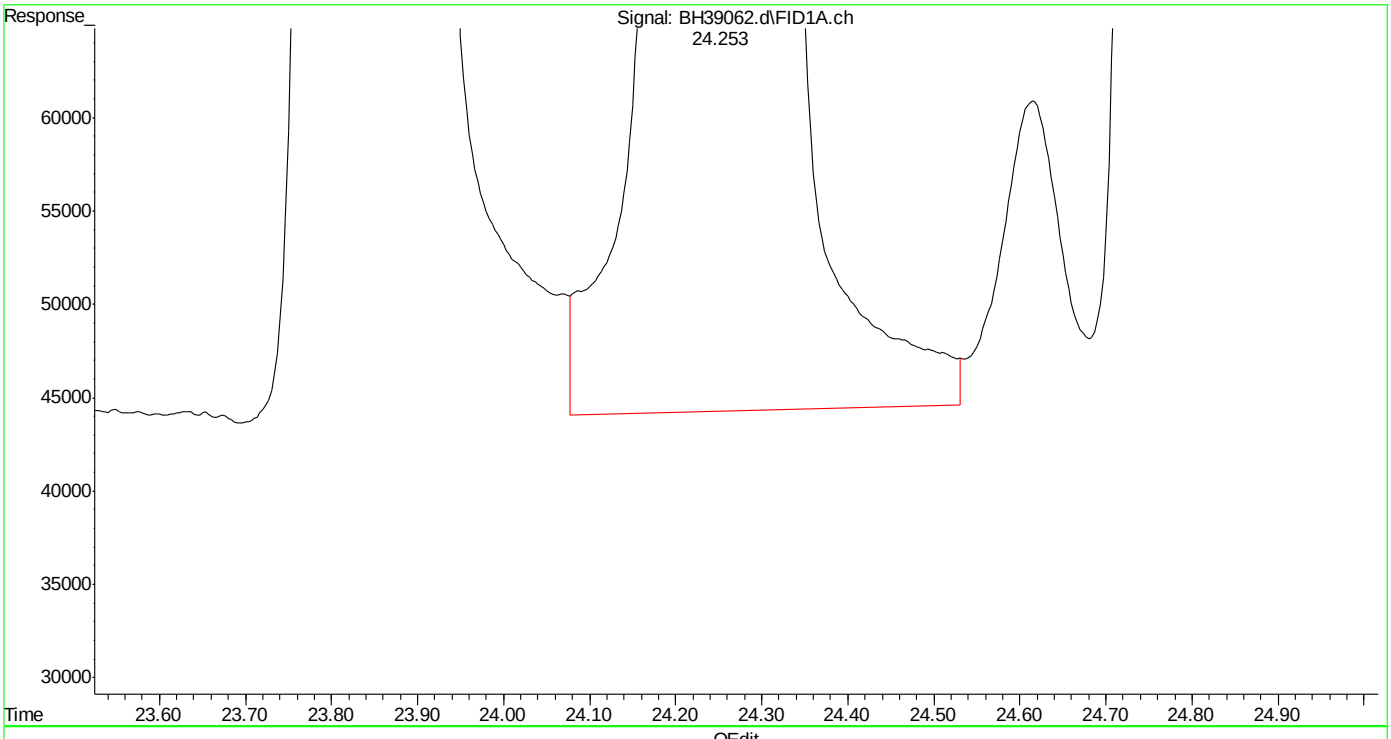
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:03 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 91.512 ppb
response 126913802

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:08 2016

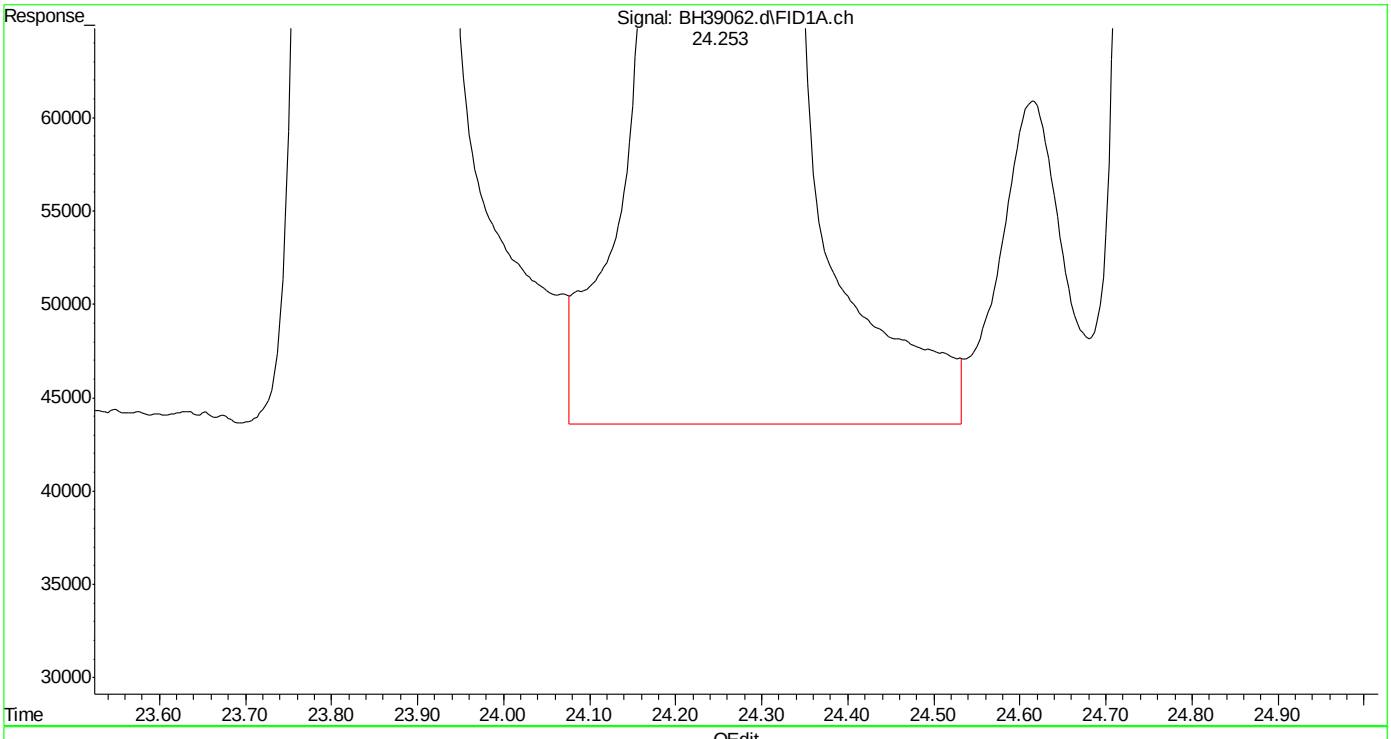
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.253min 91.670 ppb m
response 127133133

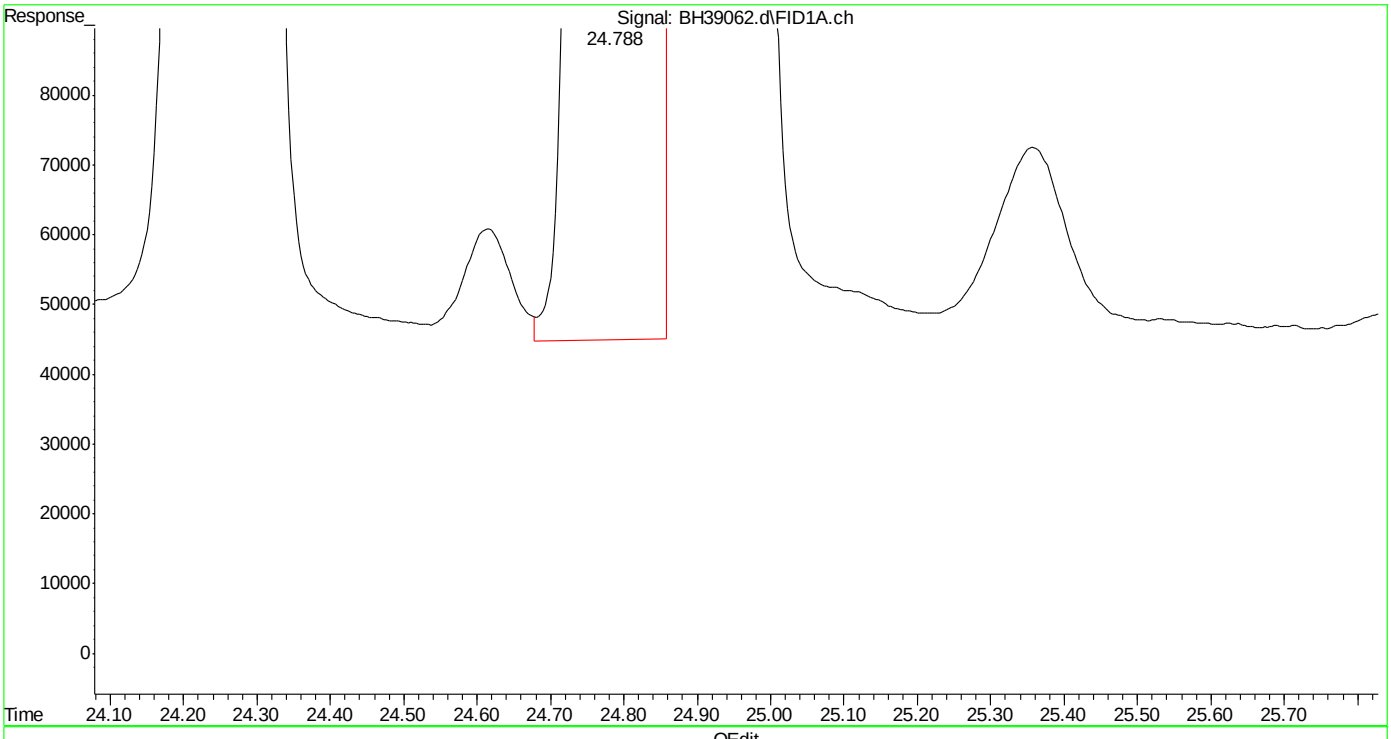
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:15 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.790min 88.432 ppb
response 125687956

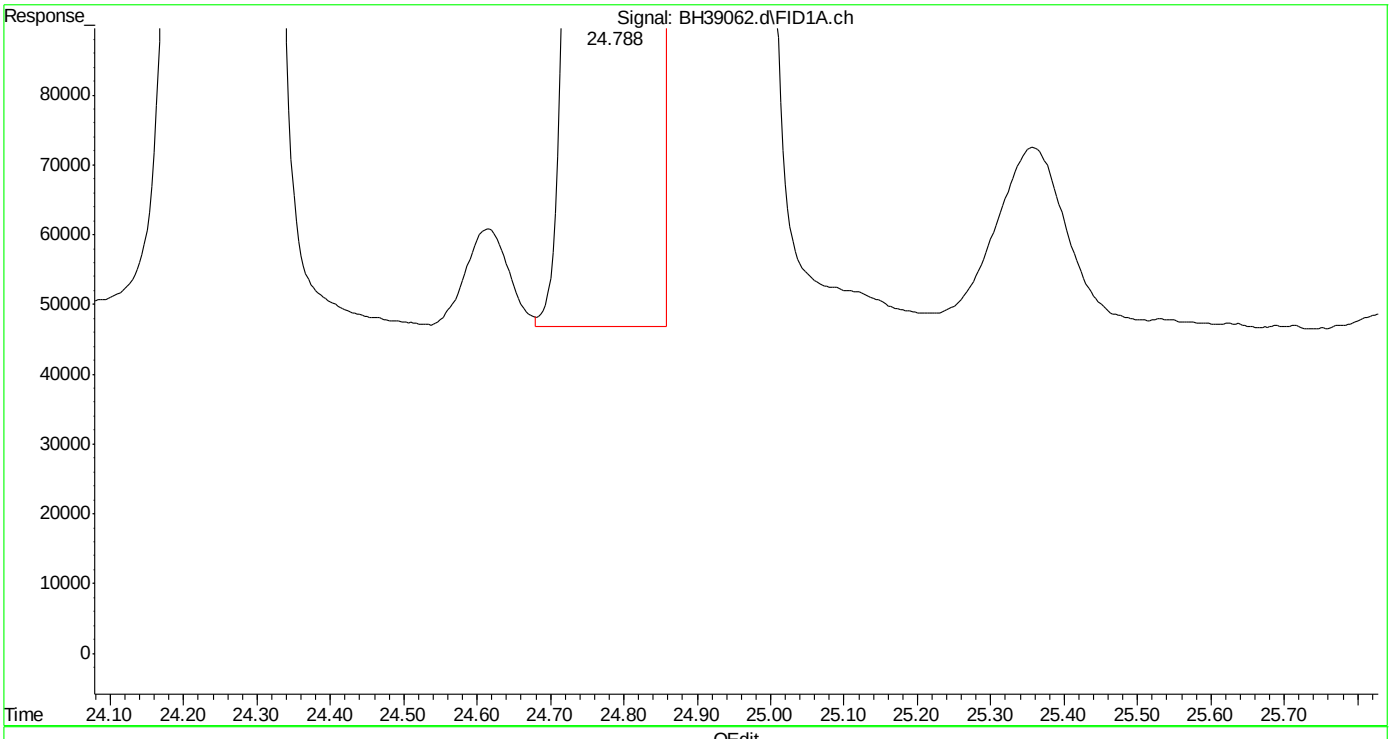
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:19 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.788min 88.478 ppb m
response 125753099

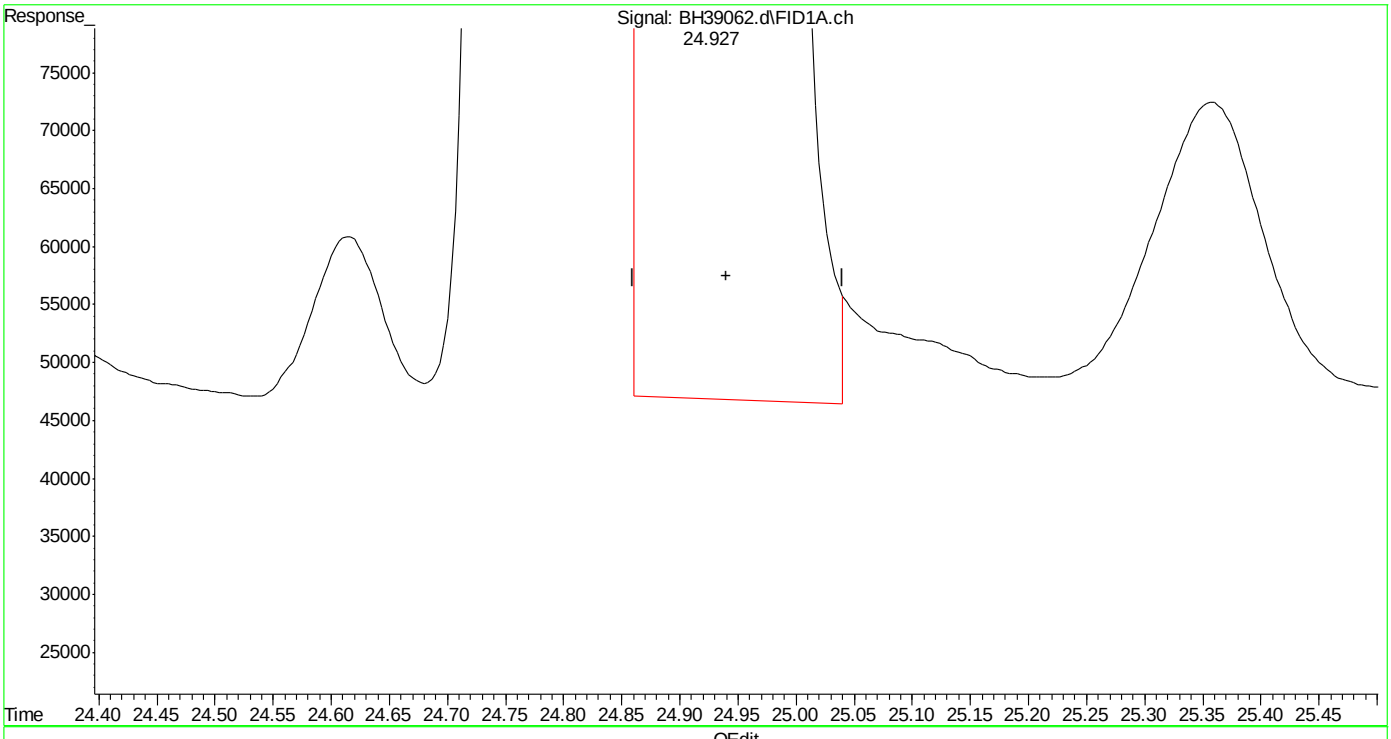
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:24 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 88.278 ppb
response 115769258

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:29 2016

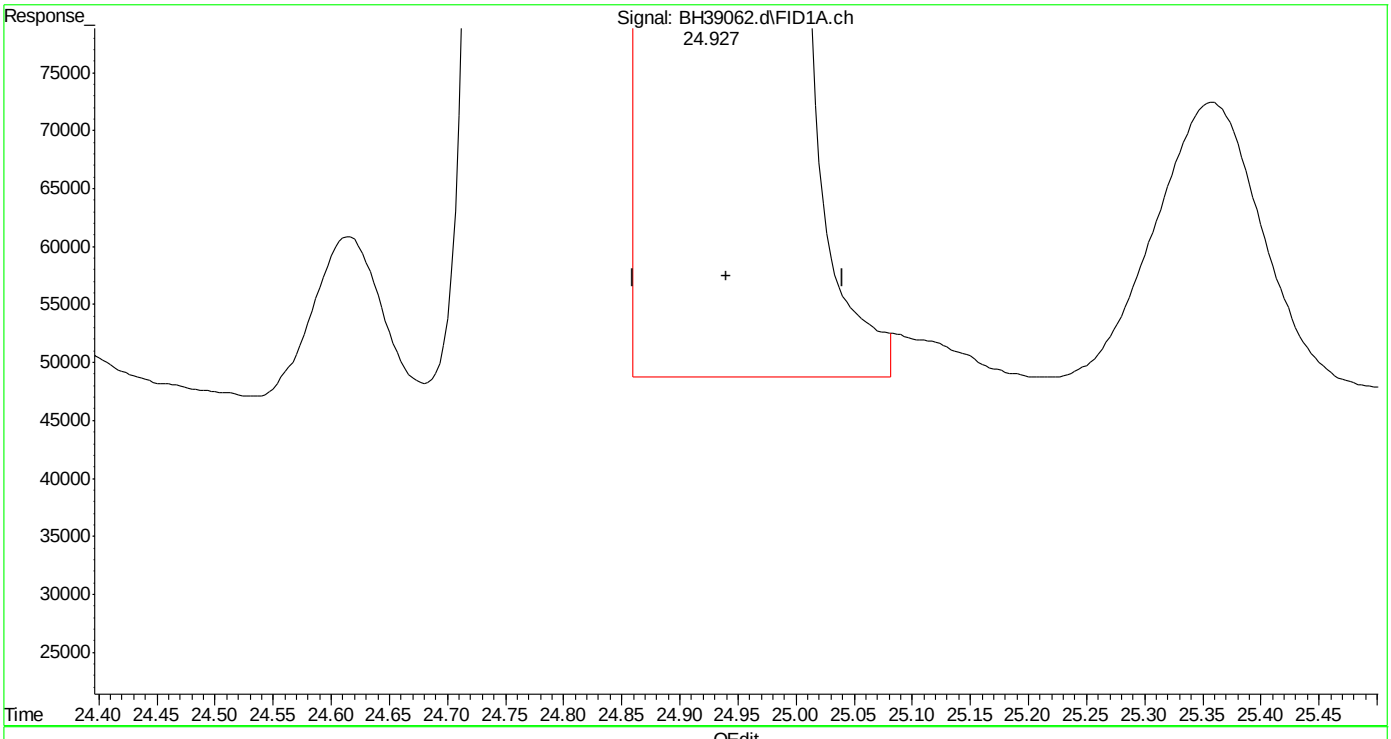
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 88.710 ppb m
response 116336140

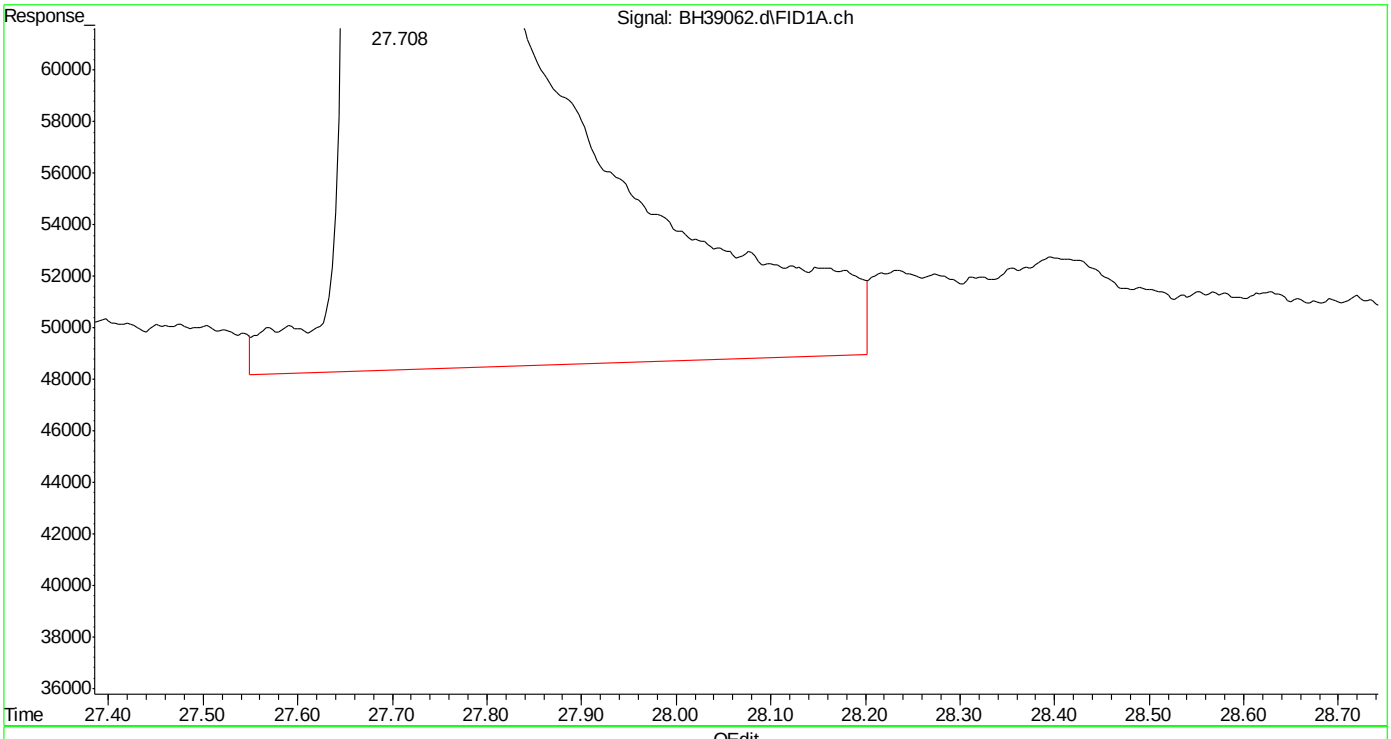
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:38 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.710min 92.708 ppb
response 81162300

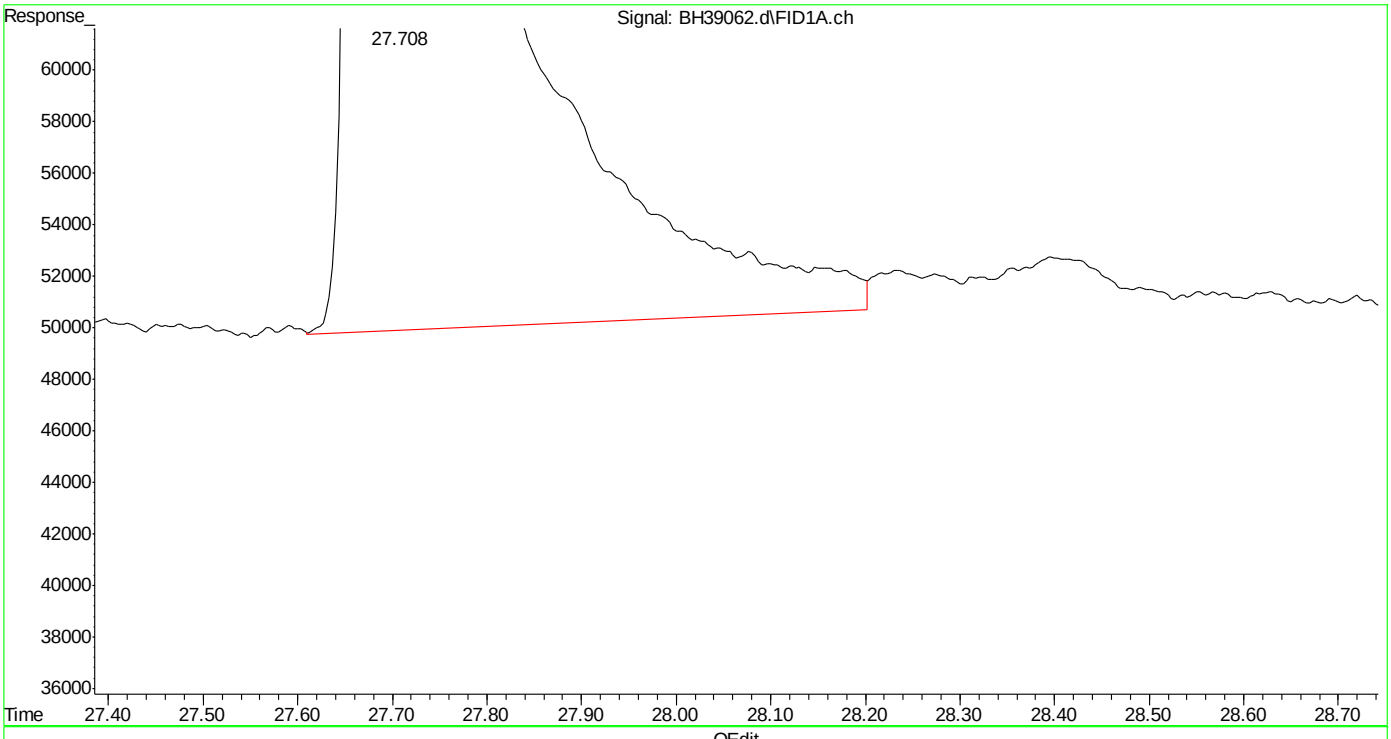
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.708min 91.988 ppb m
response 80532183

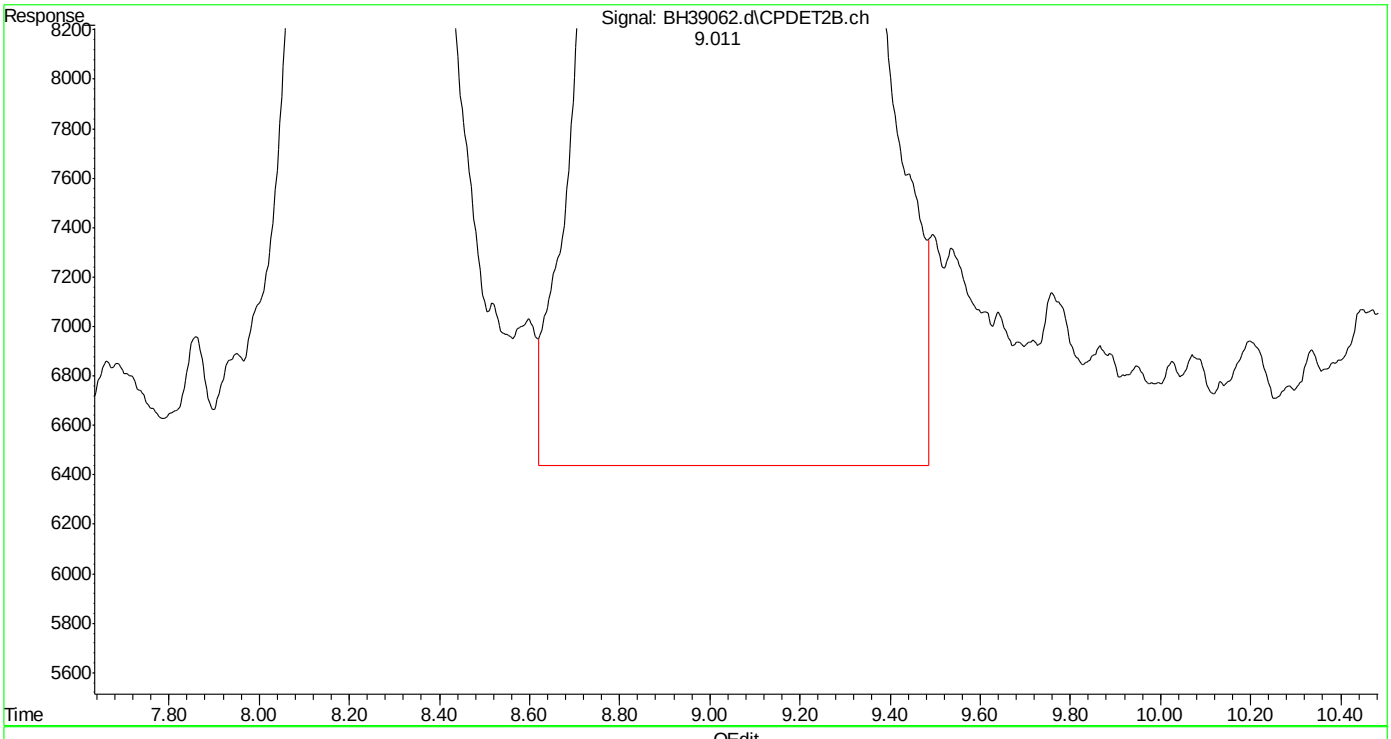
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:52 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.014min 100.132 ppb
response 28756903

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:24:58 2016

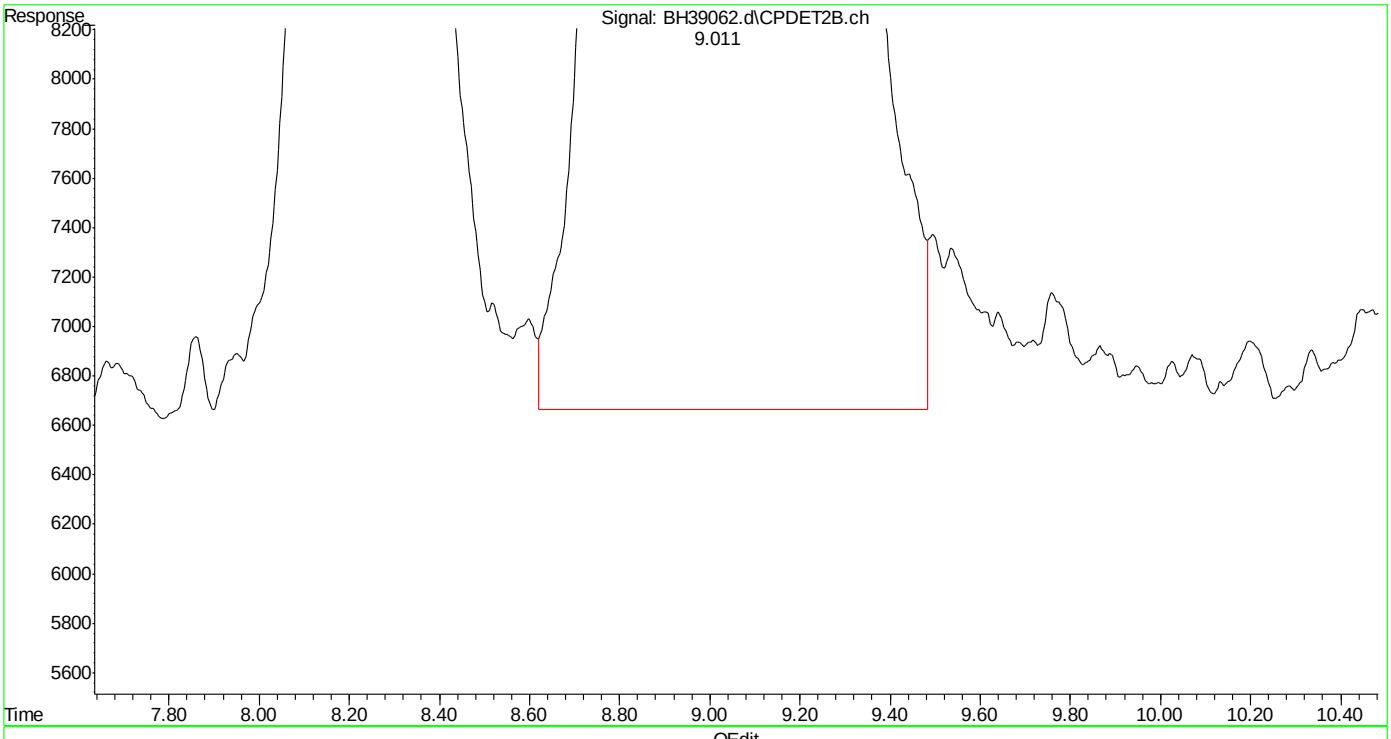
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.011min 99.729 ppb m
response 28641380

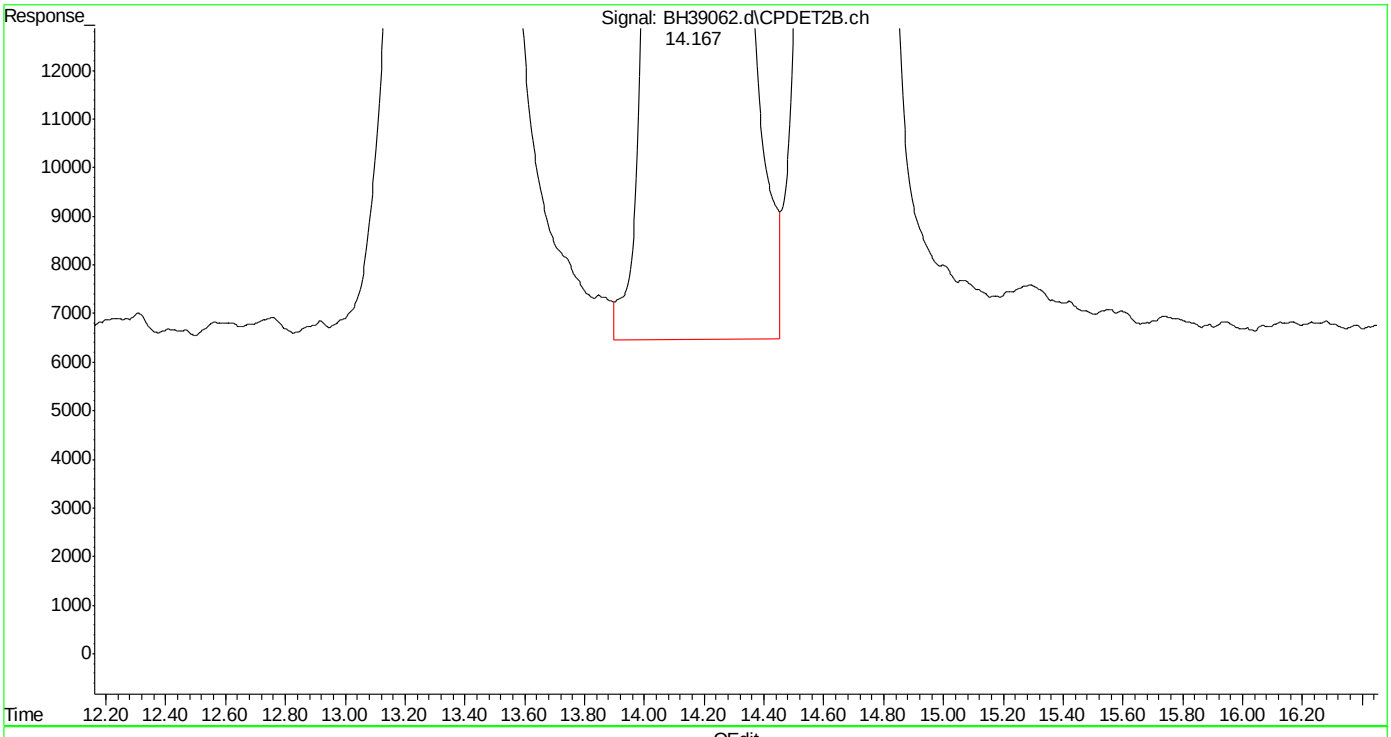
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:25:09 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.169min 93.975 ppb
response 63751455

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:25:17 2016

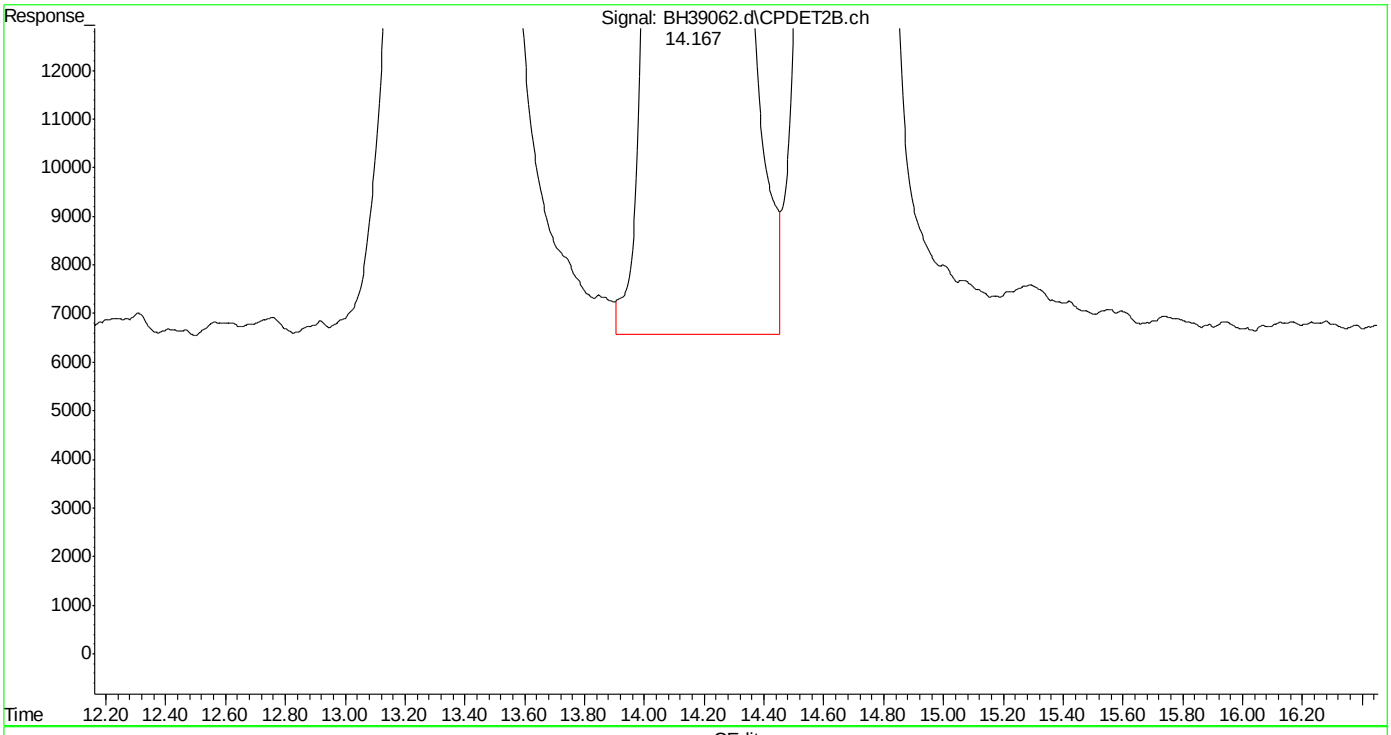
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.167min 93.925 ppb m
response 63717445

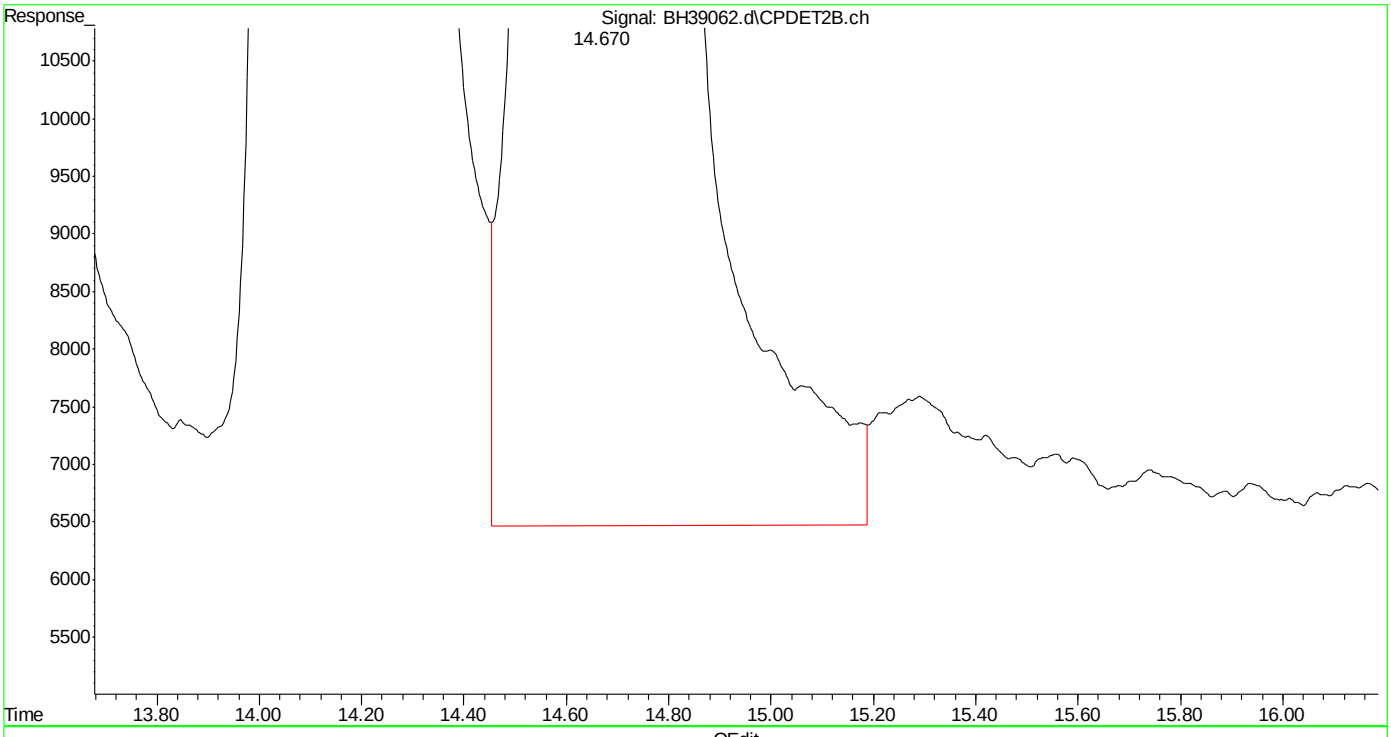
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.671min 97.680 ppb
response 40264168

(+) = Expected Retention Time

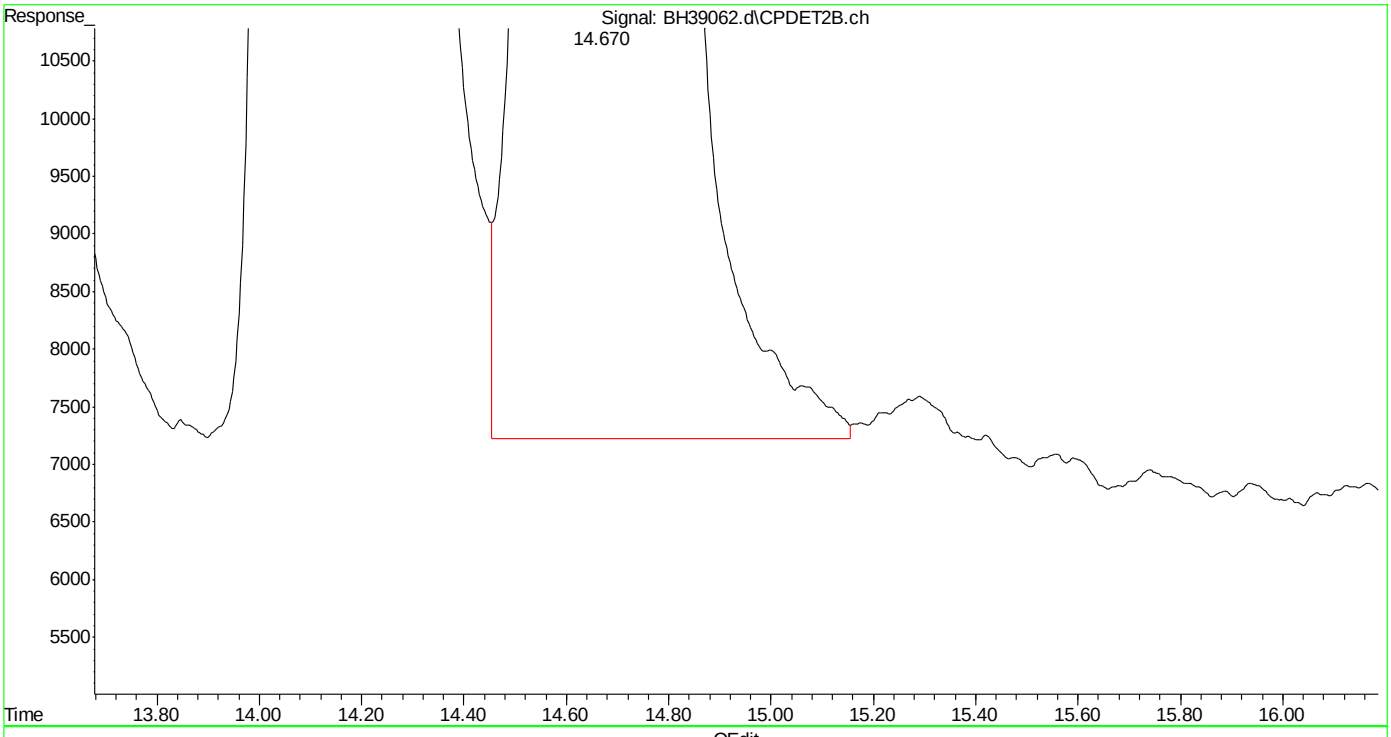
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 96.875 ppb m
response 39932324

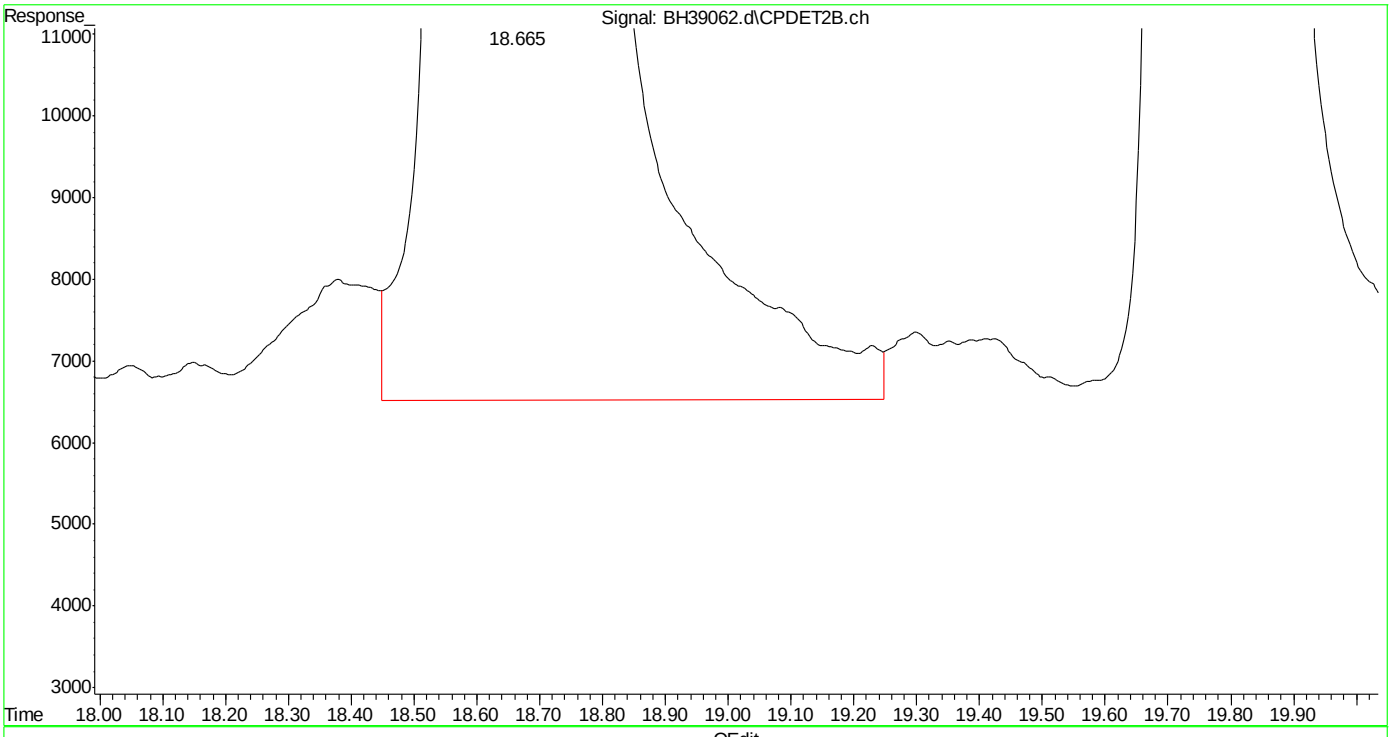
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:25:35 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 94.752 ppb
response 59798915

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:25:52 2016

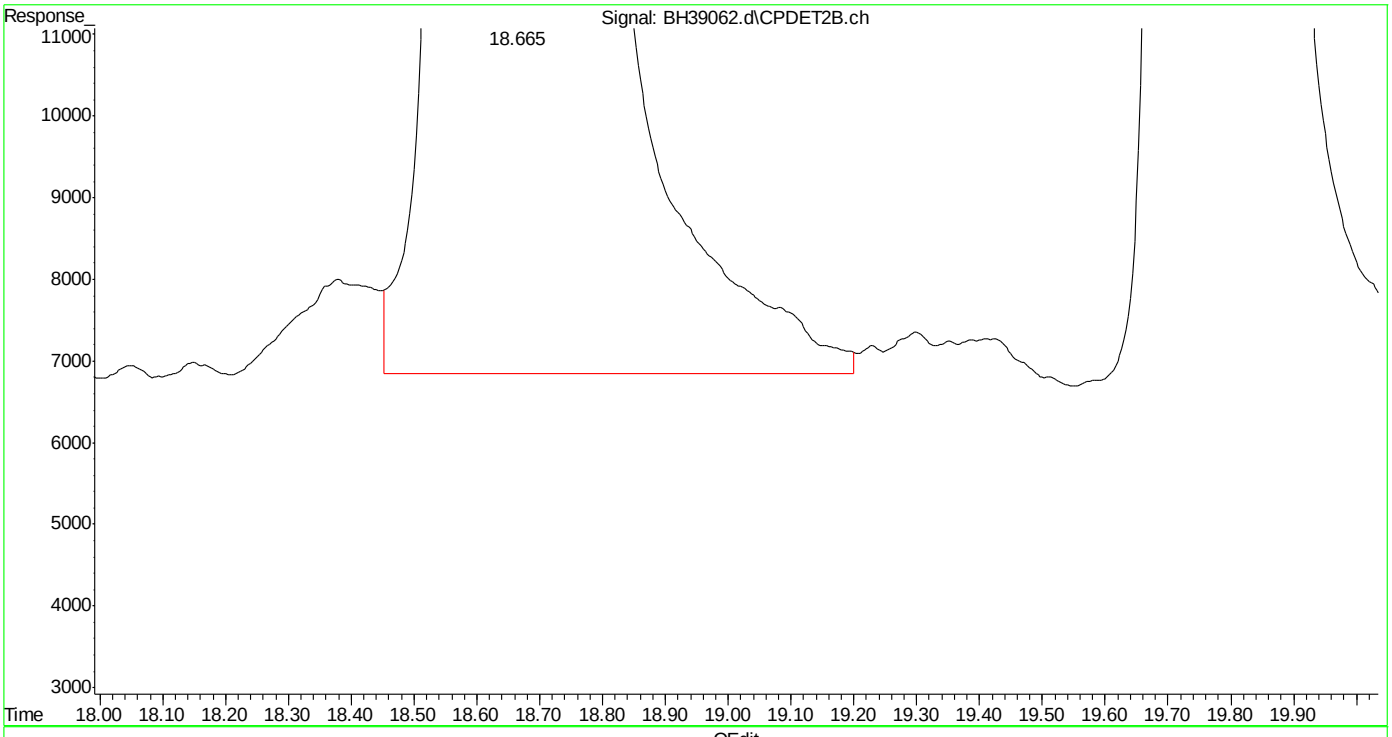
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.665min 94.492 ppb m
response 59634760

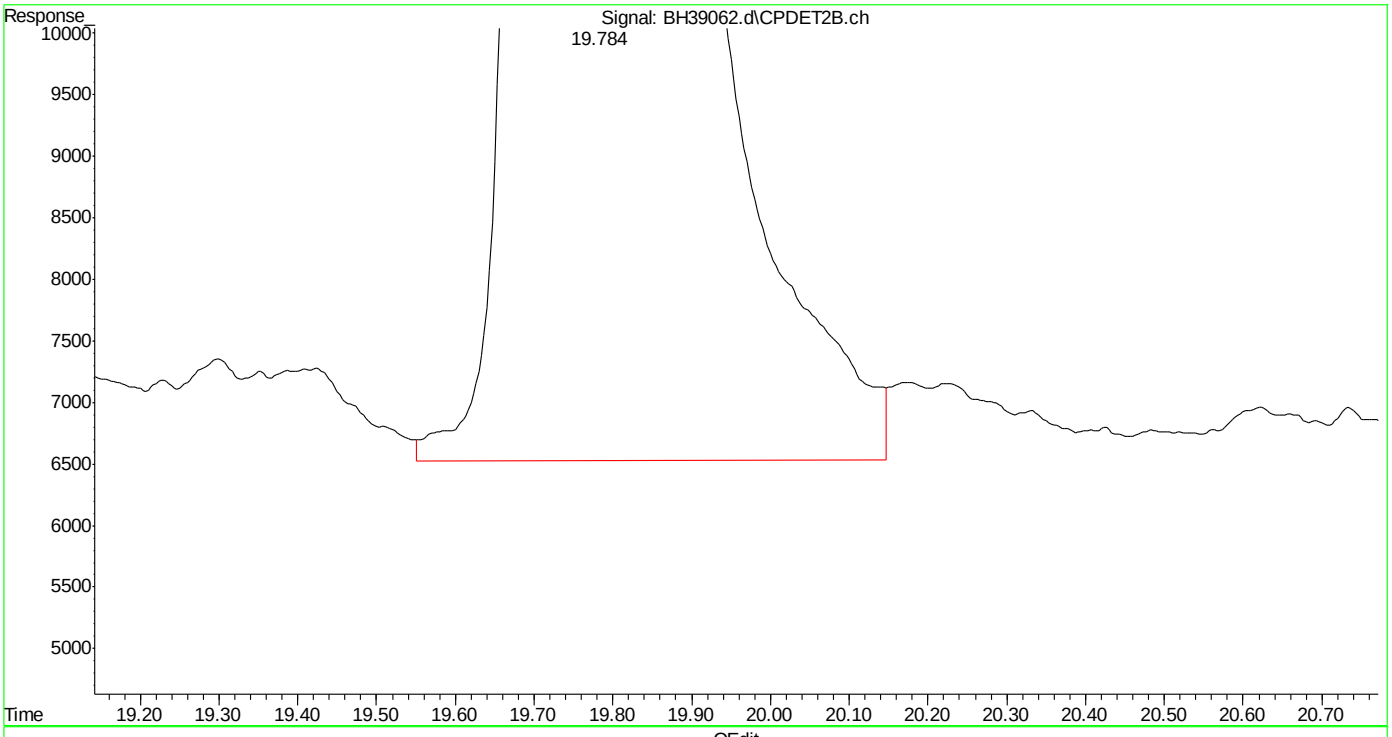
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:02 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.785min 92.476 ppb
response 24140322

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:07 2016

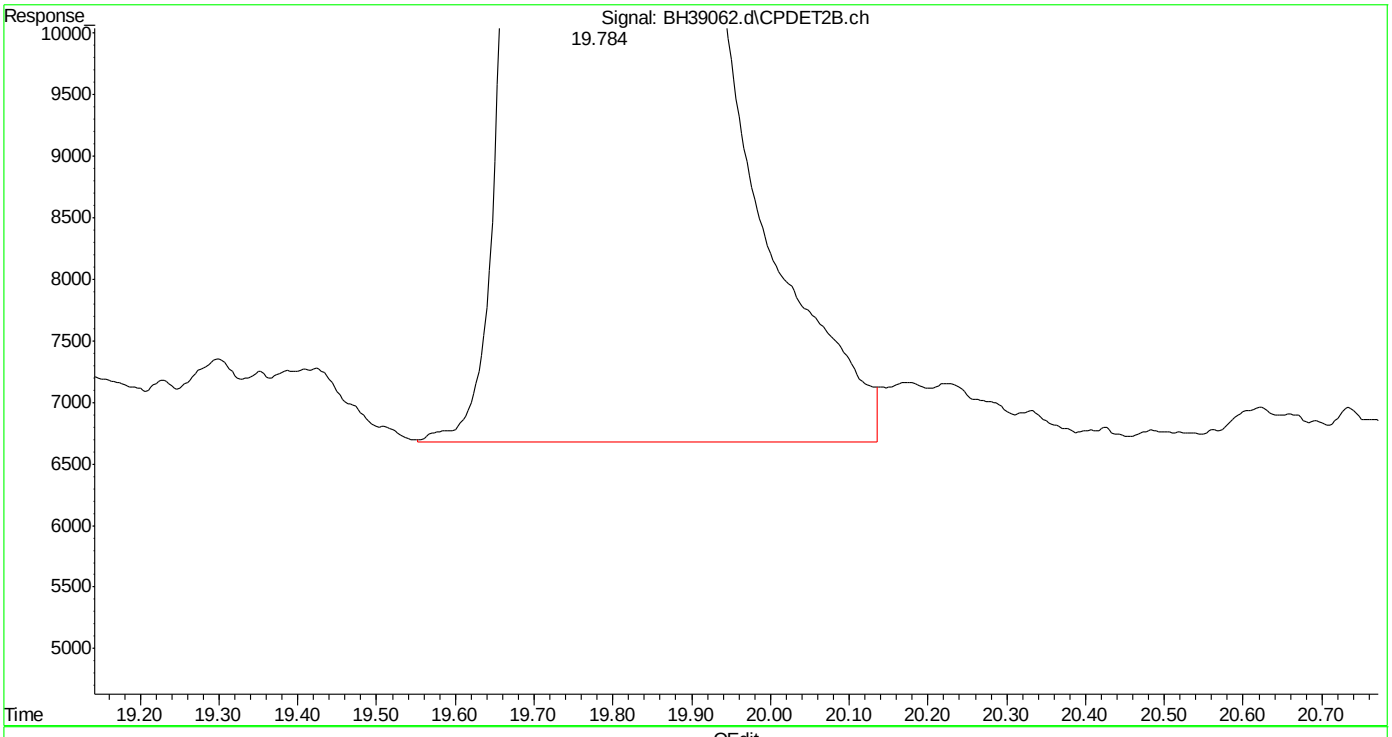
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.784min 92.259 ppb m
response 24083903

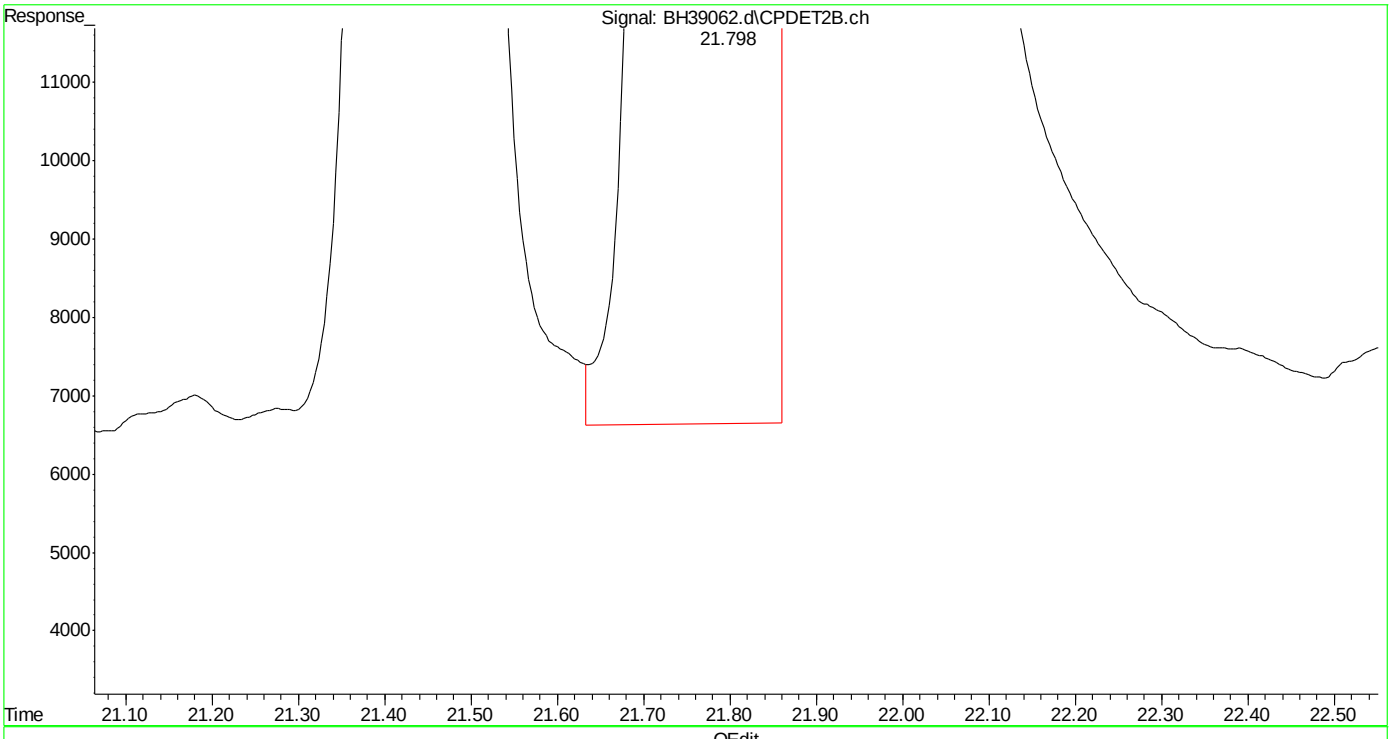
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:12 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.800min 96.602 ppb
response 53191998

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:17 2016

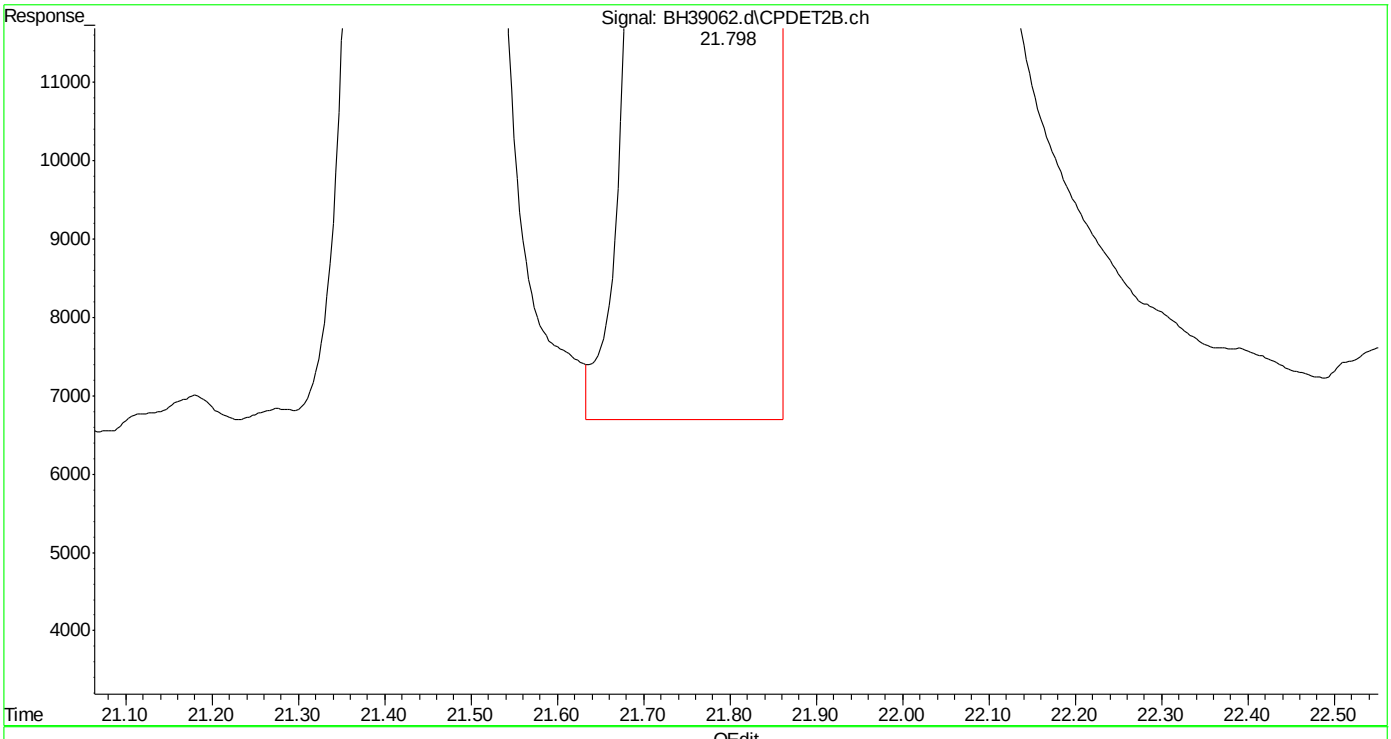
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.798min 97.772 ppb m
response 53836458

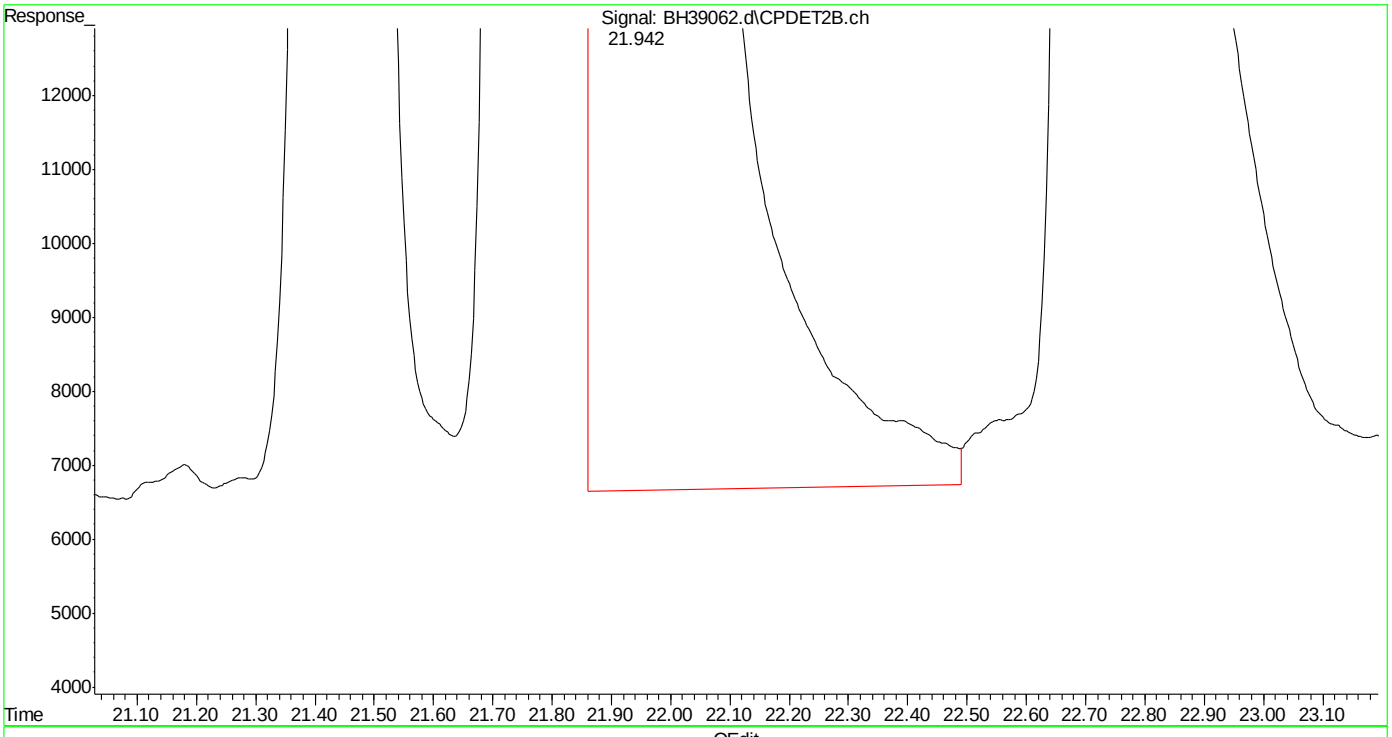
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 190.538 ppb
response 130112525

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:30 2016

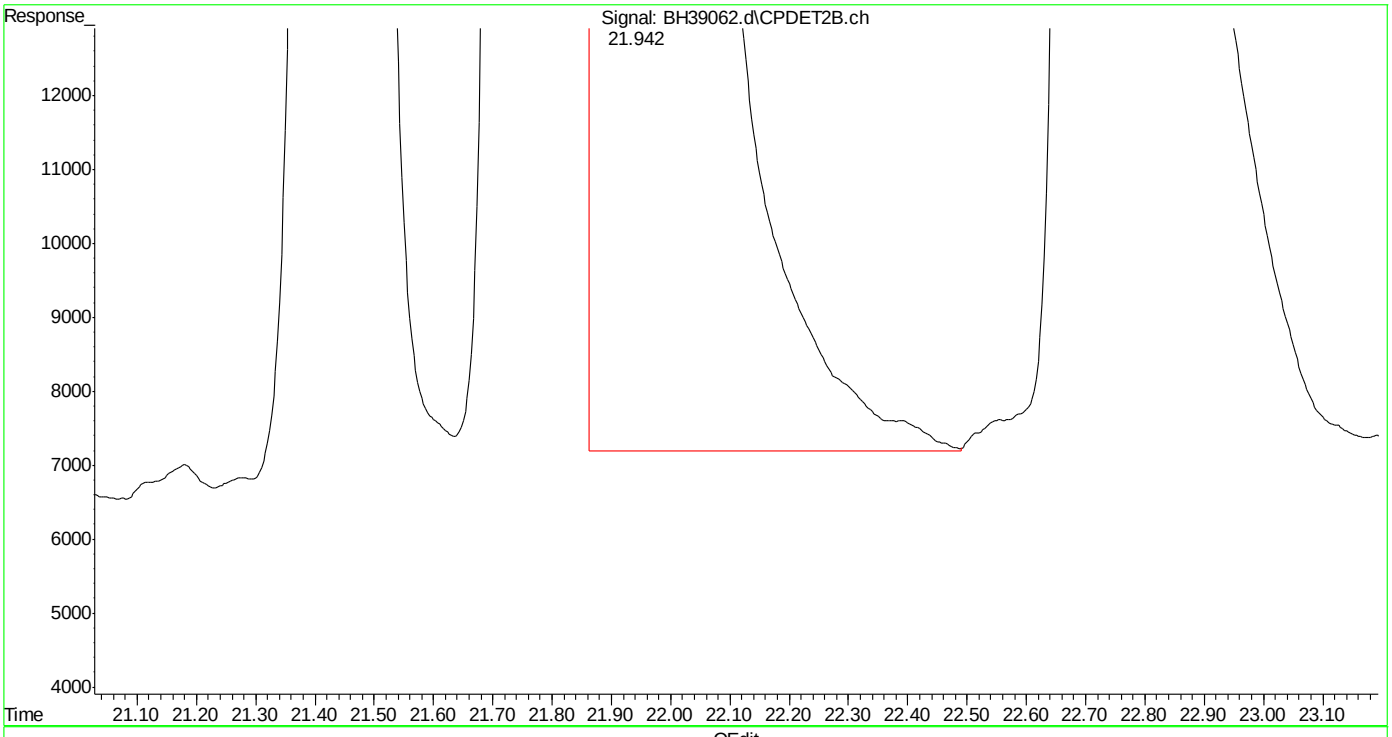
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.942min 189.226 ppb m
response 129216067

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:36 2016

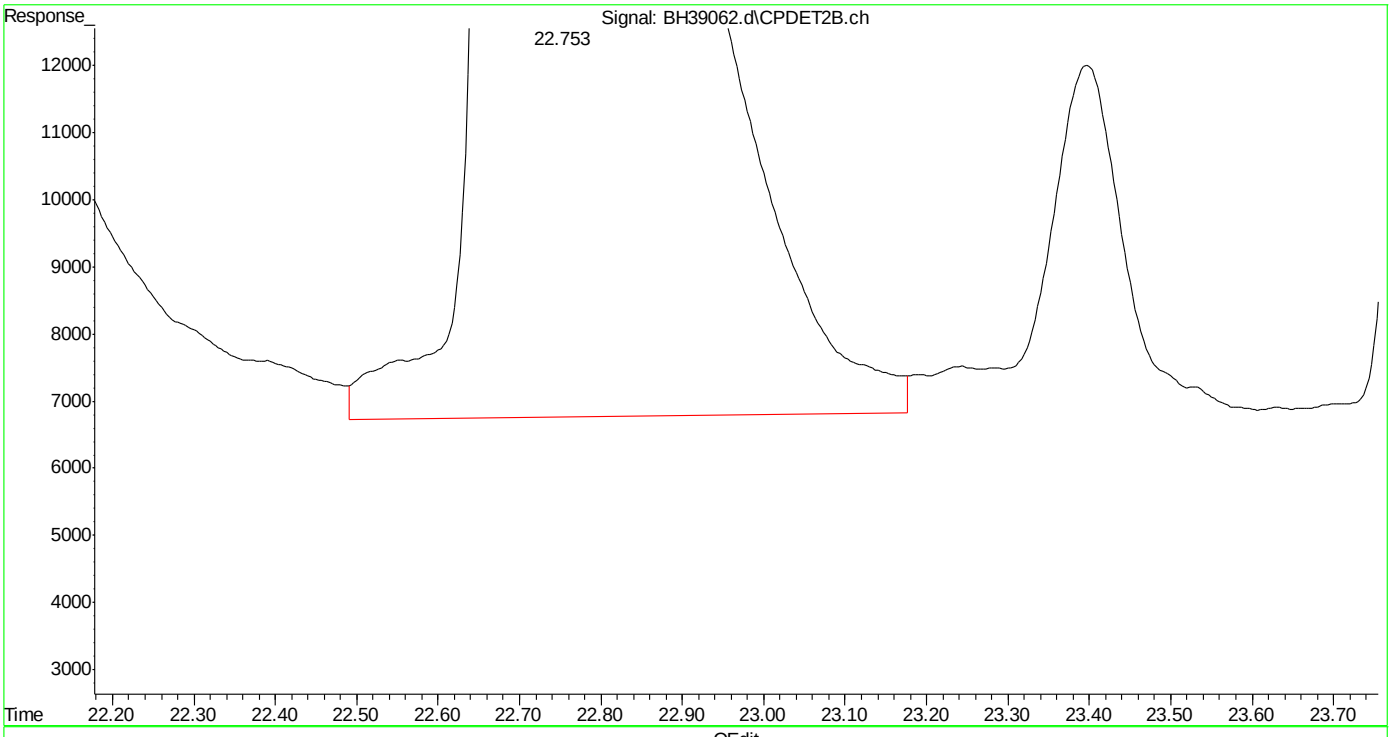
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 93.867 ppb
response 55938913

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:40 2016

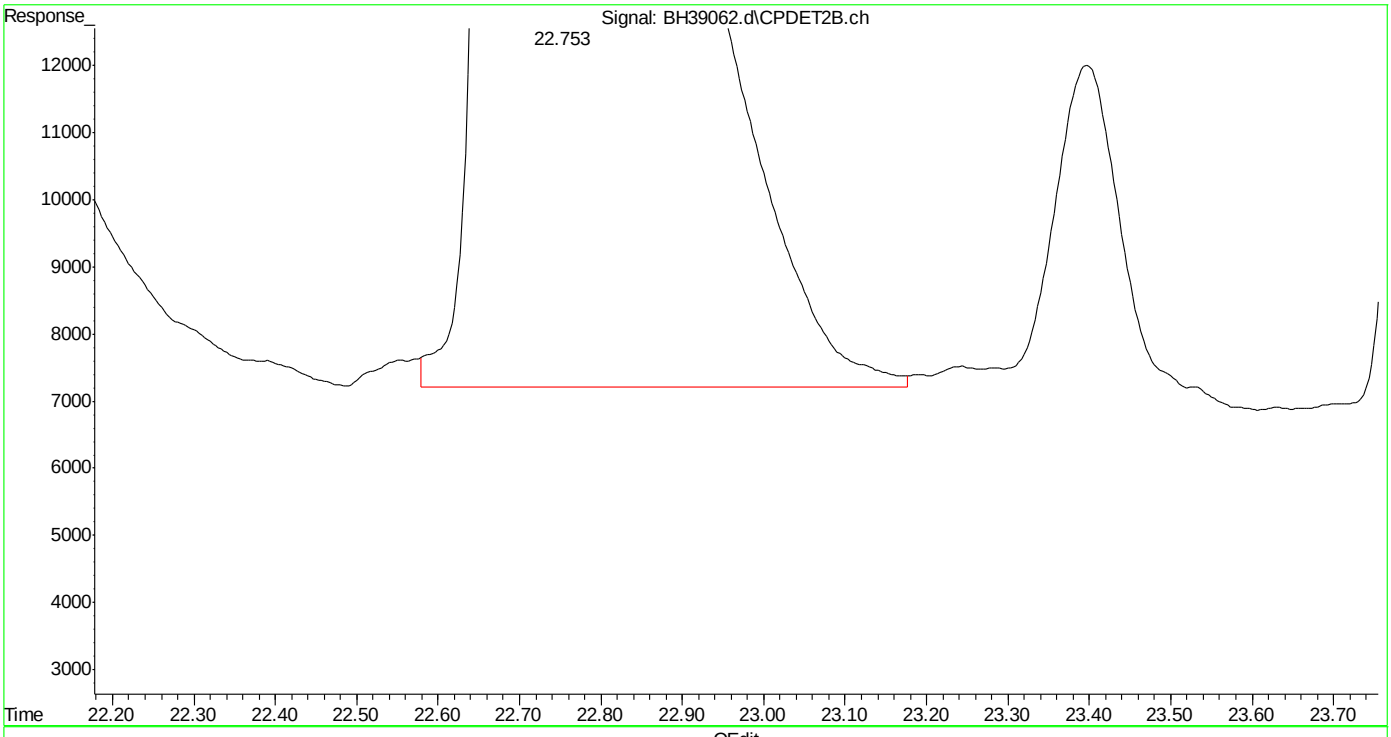
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.753min 93.545 ppb m
response 55746821

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:26:45 2016 Page: 1

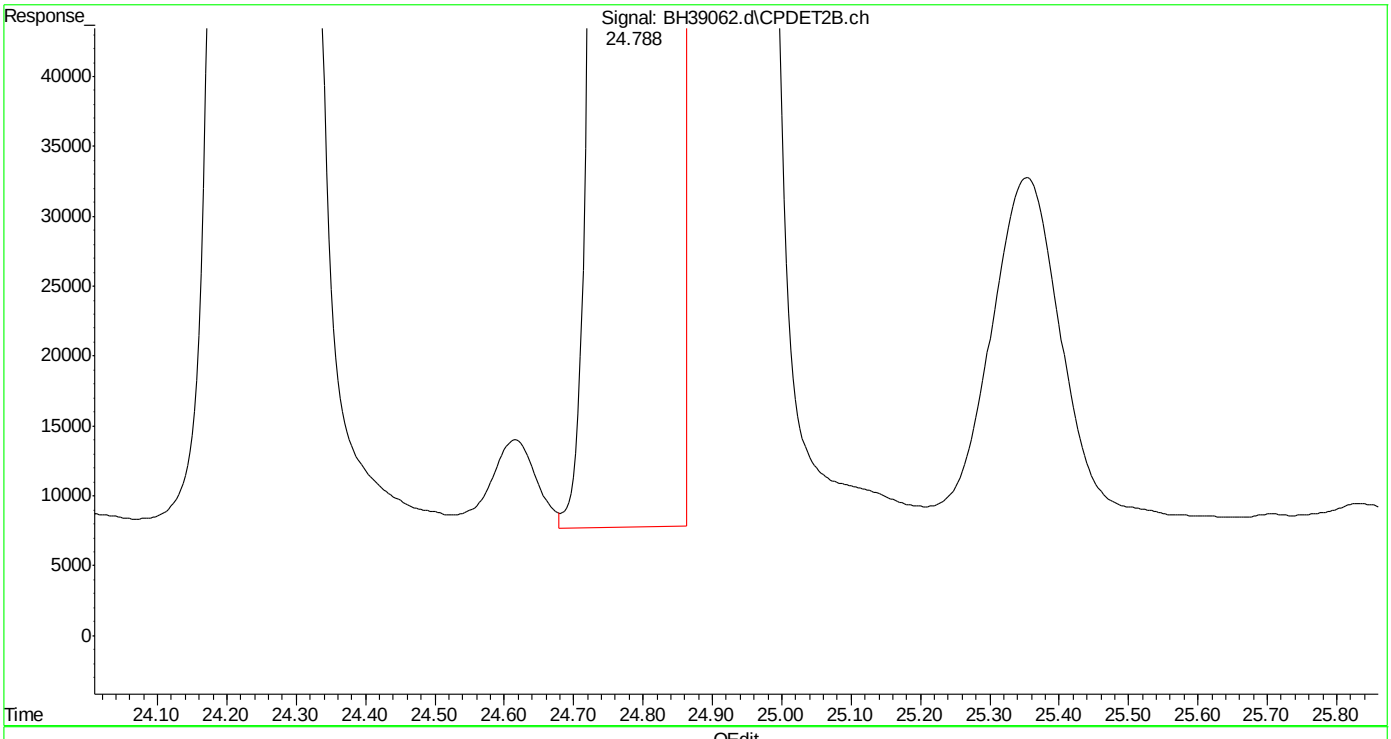
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 91.102 ppb
response 61390421

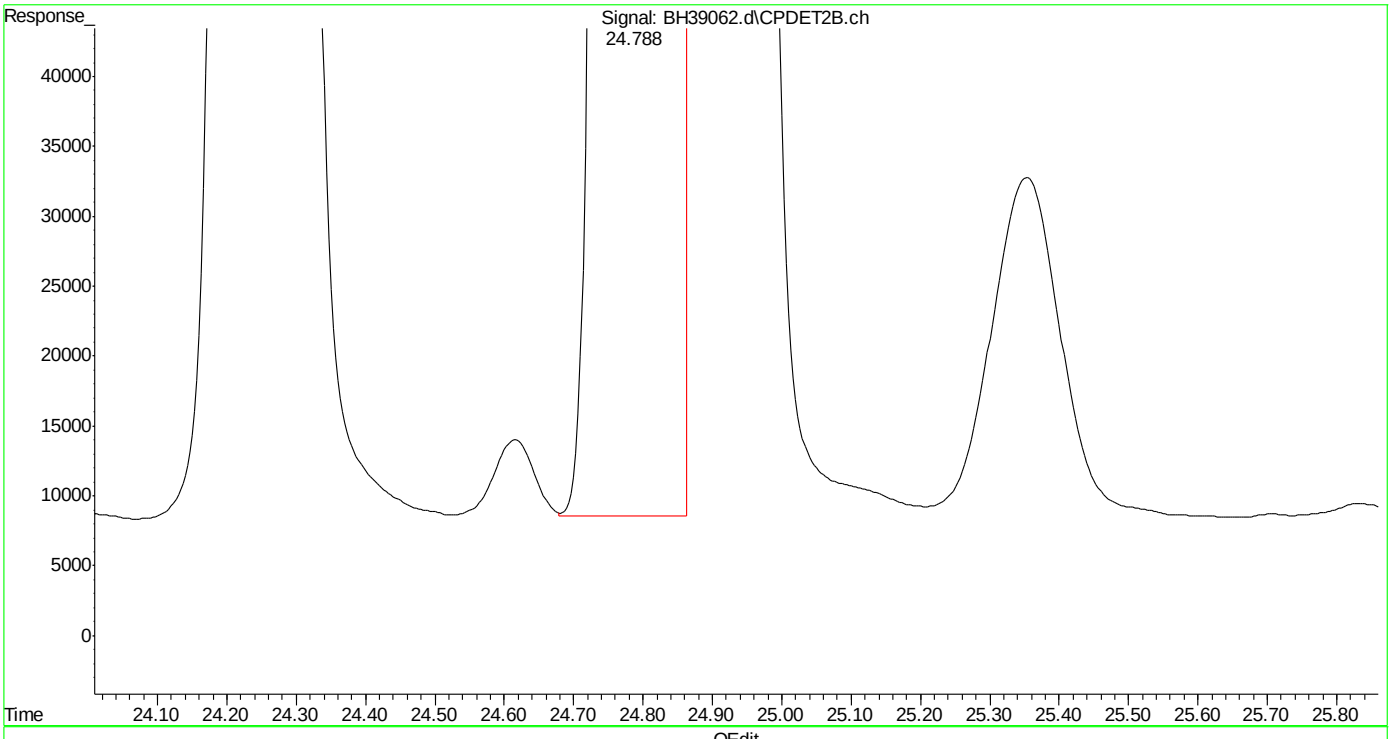
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:27:00 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.788min 90.987 ppb m
response 61313205

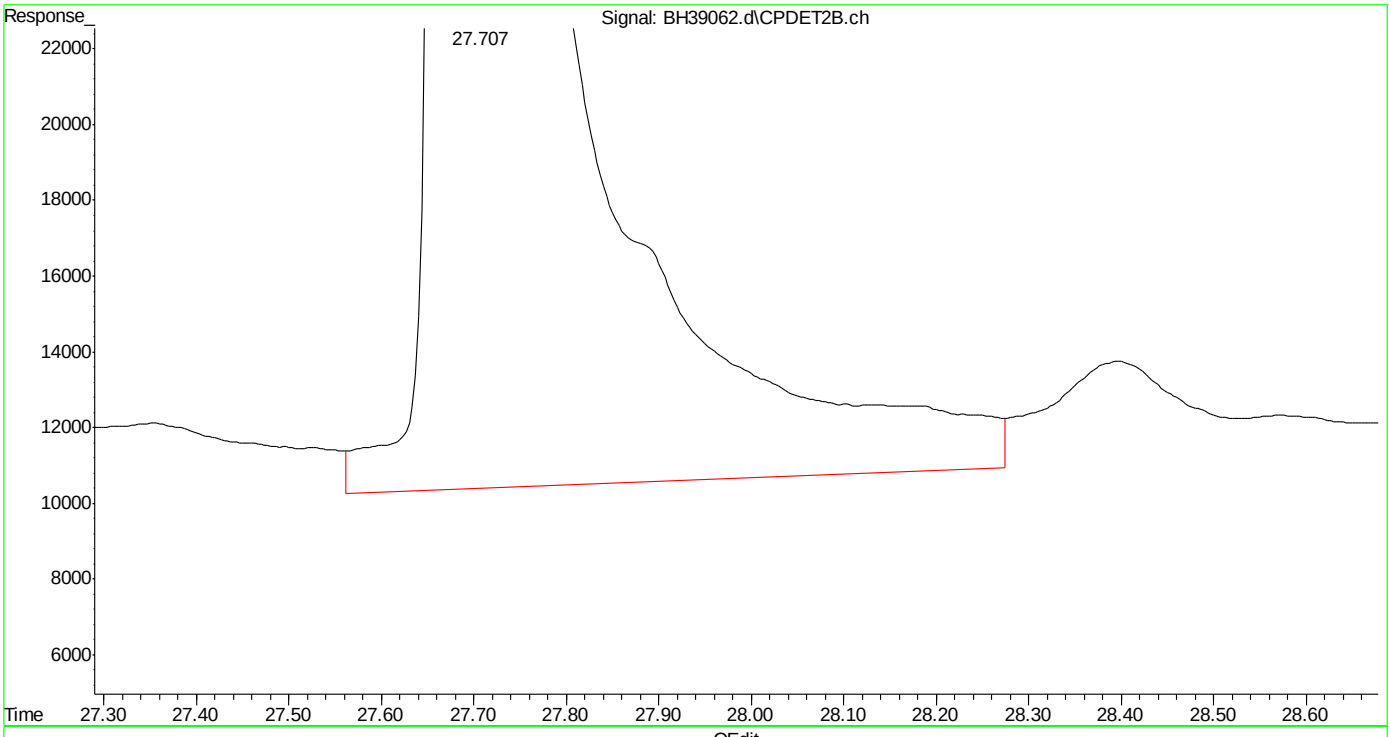
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:27:07 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.709min 92.062 ppb
response 54694492

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:27:11 2016

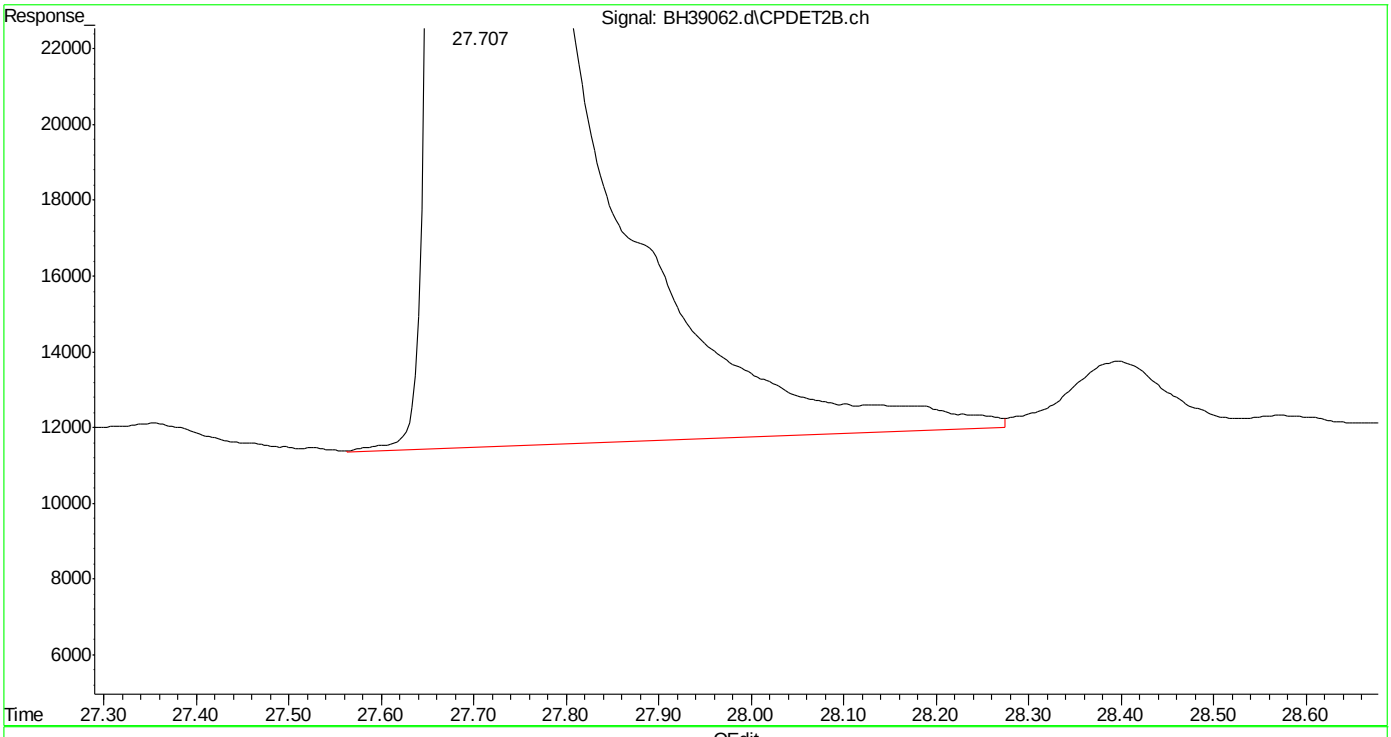
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39062.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 10:48 am
Operator : danielf
Sample : ic2295-100
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:21:24 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 14:20:34 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 91.294 ppb m
response 54237843

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:27:23 2016

SGS ACCUTEST MC45857

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:25:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
6) s fluorobenzene	14.669	44655889	49.998 ppb	m
Spiked Amount 50.000		Recovery	= 100.00%	
9) s 2,3,4-trifluorotoluene	19.784	36965520	49.996 ppb	m
Spiked Amount 50.000		Recovery	= 99.99%	
25) s fluorobenzene #2	14.668	19580490	50.005 ppb	m
Spiked Amount 50.000		Recovery	= 100.01%	
27) s 2,3,4-trifluorotoluen...	19.784	11722343	50.002 ppb	m
Spiked Amount 50.000		Recovery	= 100.00%	
Target Compounds				
1) h rt5.5-7	5.980	42374495	49.998 ppb	m
2) h rt7/10	8.250	47230822	49.997 ppb	m
3) t mtbe	9.013	29827413	50.002 ppb	m
4) h rt10/13	13.360	55161261	50.132 ppb	m
5) t benzene	14.166	56604825	49.998 ppb	m
8) t toluene	18.664	56594972	50.008 ppb	m
11) h rt20/25	21.460	49650458	49.997 ppb	m
13) t ethylbenzene	21.798	56104042	50.285 ppb	m
14) t m,p-xylene	21.942	117634266	99.718 ppb	m
15) t o-xylene	22.753	59242785	50.005 ppb	m
16) h decane	23.856	50197976	49.999 ppb	m
17) t 1,3,5-trimethylbenzene	24.252	62499529	50.004 ppb	m
18) t 1,2,4-trimethylbenzene	24.788	61935262	50.313 ppb	m
19) h butylcyclohexane	24.940	55557290	50.010 ppb	m
20) t naphthalene	27.707	39451306	50.000 ppb	m
23) t mtbe #2	9.013	13981996	50.011 ppb	m
24) t benzene #2	14.166	31119557	49.999 ppb	m
26) t toluene #2	18.664	29136833	50.010 ppb	m
28) t ethylbenzene #2	21.797	25834701	49.854 ppb	m
29) t m,p-xylene #2	21.941	63398610	99.388 ppb	m
30) t o-xylene #2	22.753	27195655	50.018 ppb	m
31) t 1,3,5-trimethylbenzen...	24.252	39805434	49.995 ppb	m
32) t 1,2,4-trimethylbenzen...	24.787	30104795	50.004 ppb	m
33) t naphthalene #2	27.706	26699144	49.999 ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	30253242	50.000 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

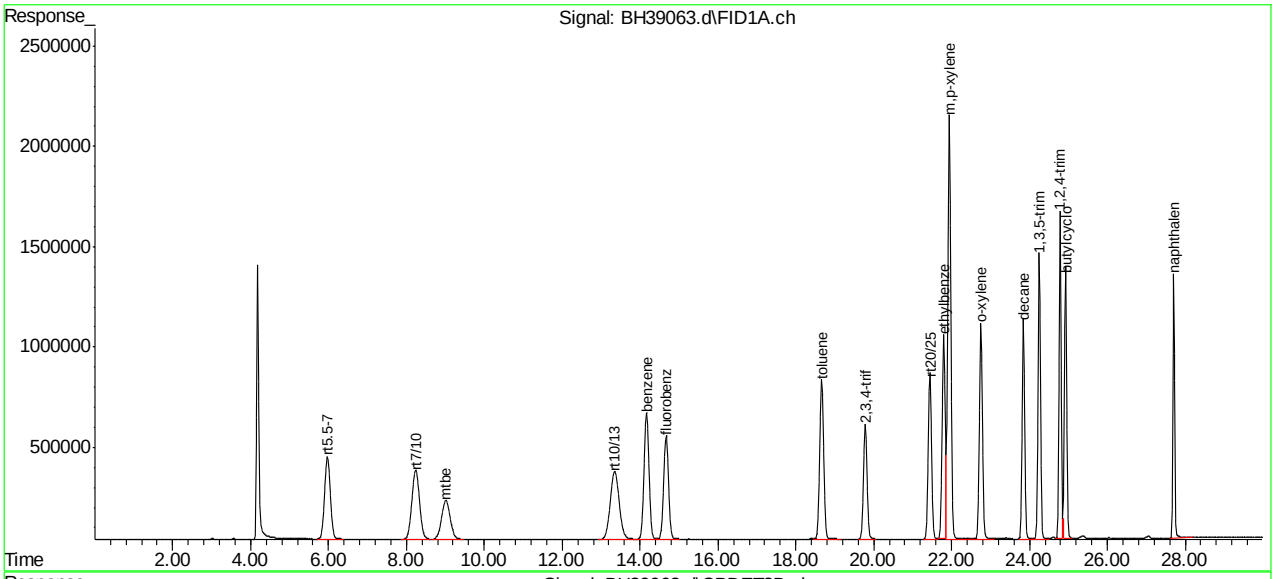
SGS ACCUTEST MC45857

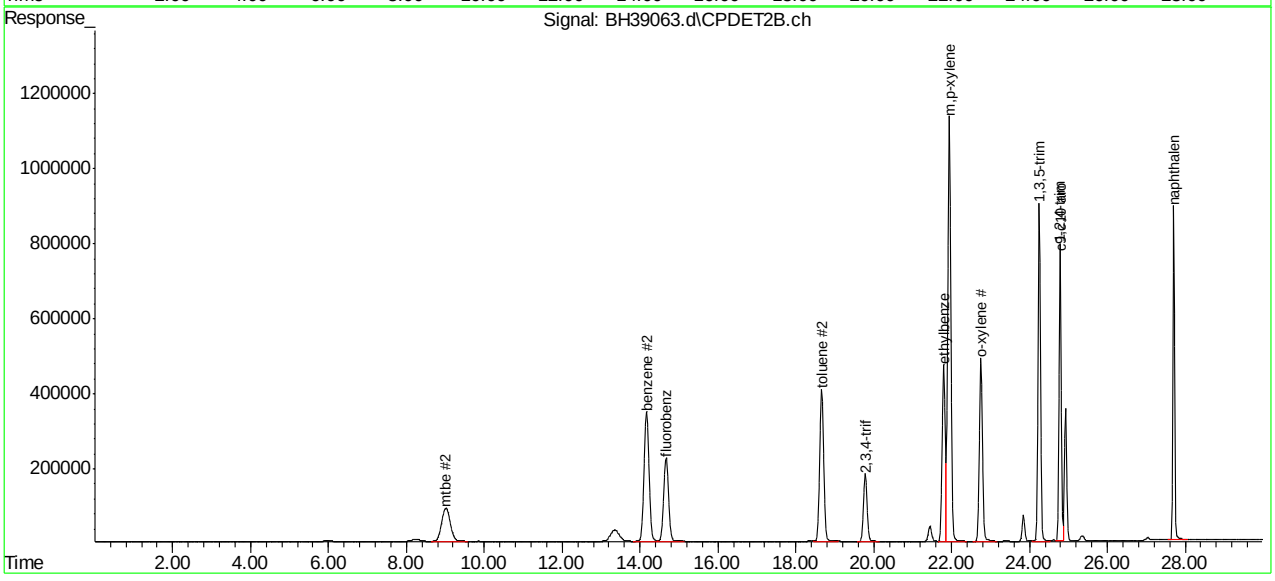
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

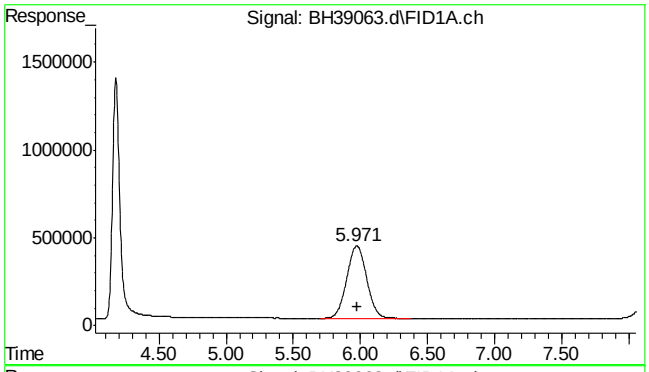
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:25:07 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



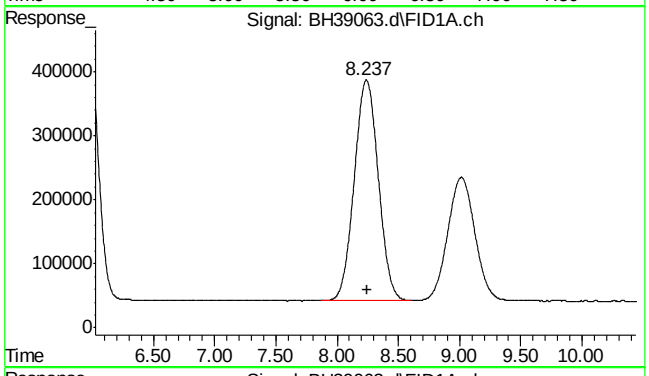


SGS ACCUTEST MC45857



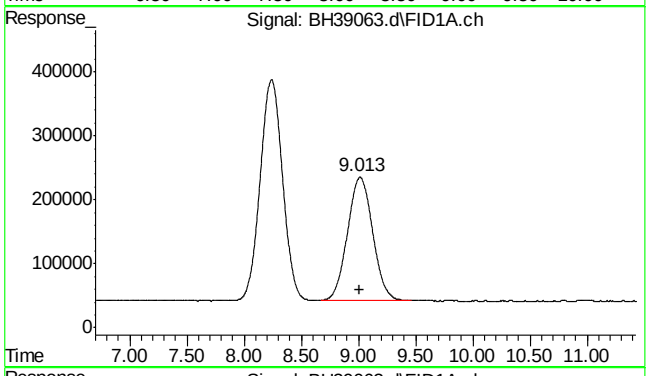
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 42374495
Conc: 50.00 ppb m



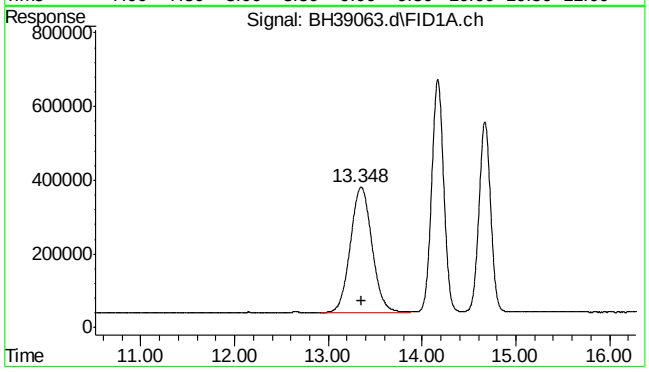
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 47230822
Conc: 50.00 ppb m



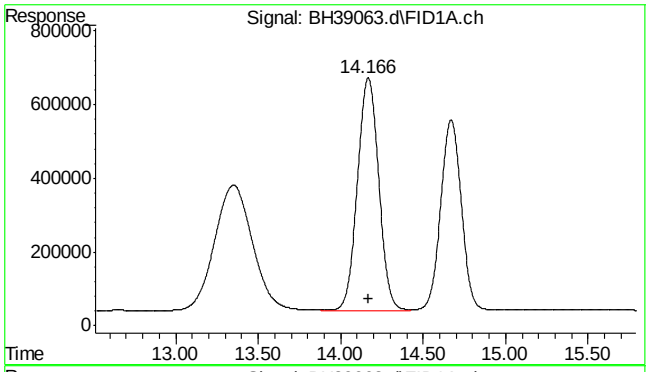
#3 mtbe

R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 29827413
Conc: 50.00 ppb m



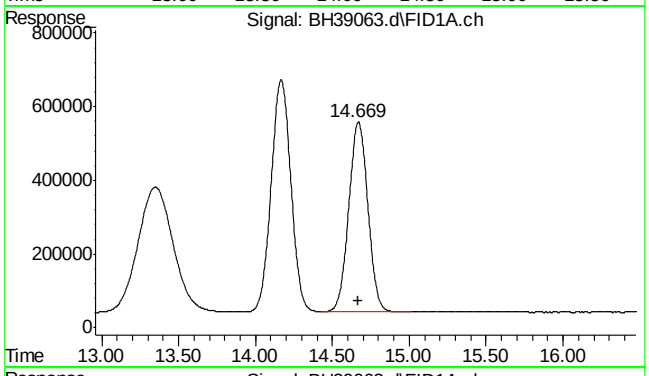
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 55161261
Conc: 50.13 ppb m



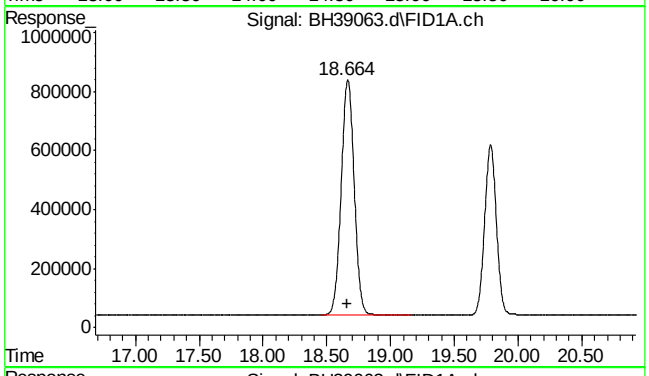
#5 benzene

R.T.: 14.166 min
Delta R.T.: 0.000 min
Response: 56604825
Conc: 50.00 ppb m



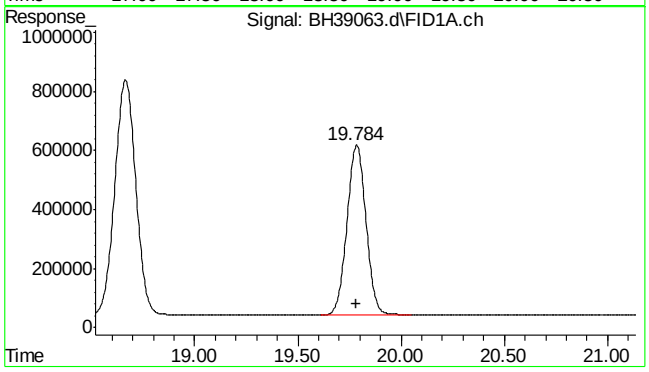
#6 fluorobenzene

R.T.: 14.669 min
Delta R.T.: 0.000 min
Response: 44655889
Conc: 50.00 ppb m



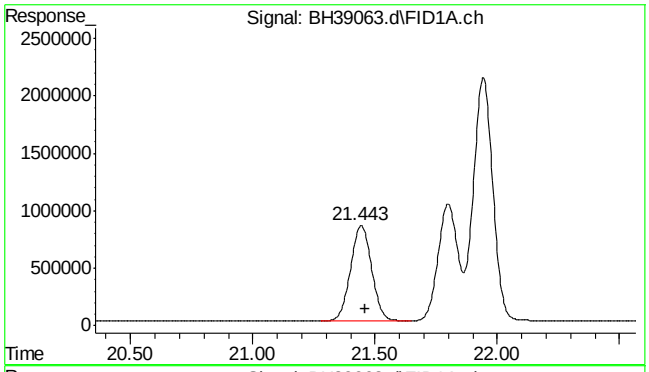
#8 toluene

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 56594972
Conc: 50.01 ppb m



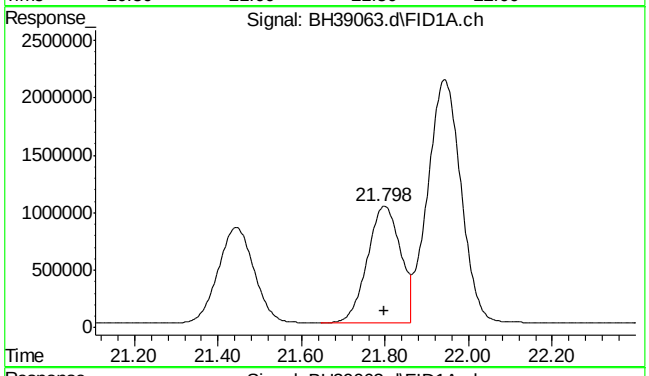
#9 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 36965520
Conc: 50.00 ppb m



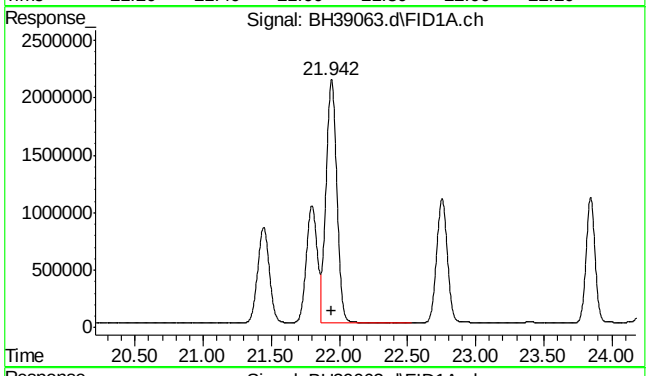
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 49650458
Conc: 50.00 ppb m



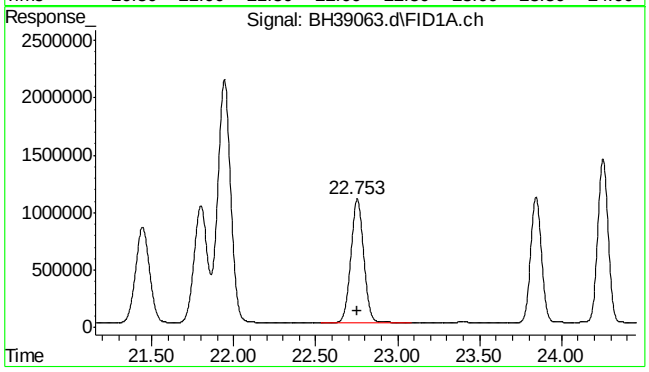
#13 ethylbenzene

R.T.: 21.798 min
Delta R.T.: 0.000 min
Response: 56104042
Conc: 50.28 ppb m



#14 m,p-xylene

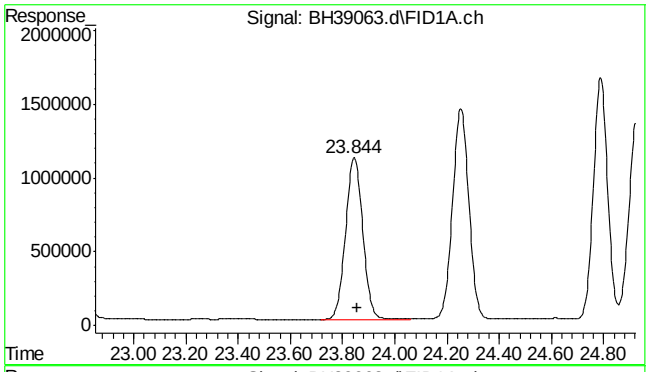
R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 117634266
Conc: 99.72 ppb m



#15 o-xylene

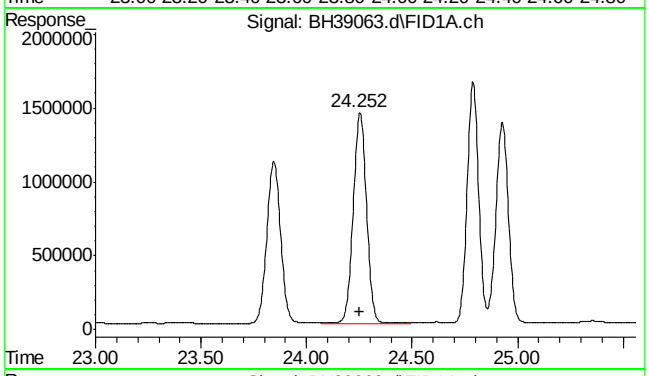
R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 59242785
Conc: 50.00 ppb m

SGS ACCUTEST MC45857



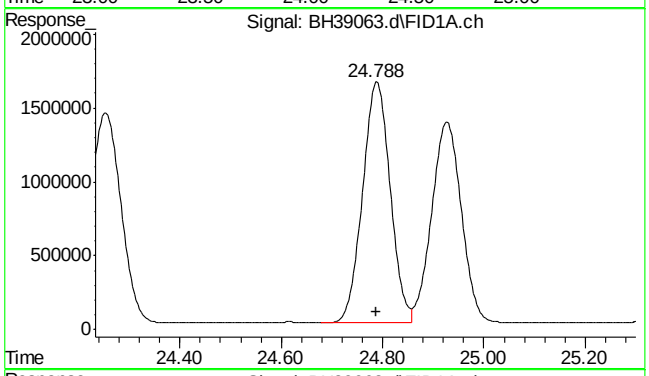
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 50197976
Conc: 50.00 ppb m



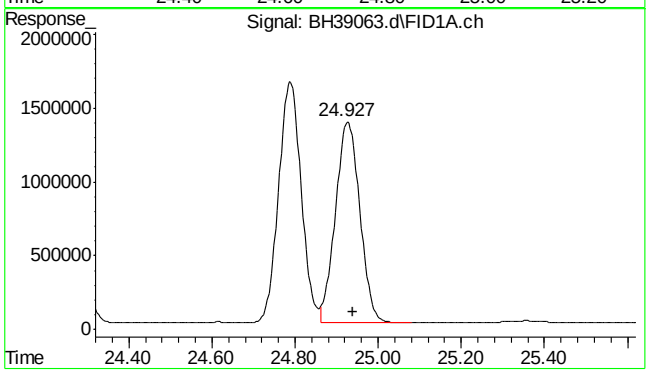
#17 1,3,5-trimethylbenzene

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 62499529
Conc: 50.00 ppb m



#18 1,2,4-trimethylbenzene

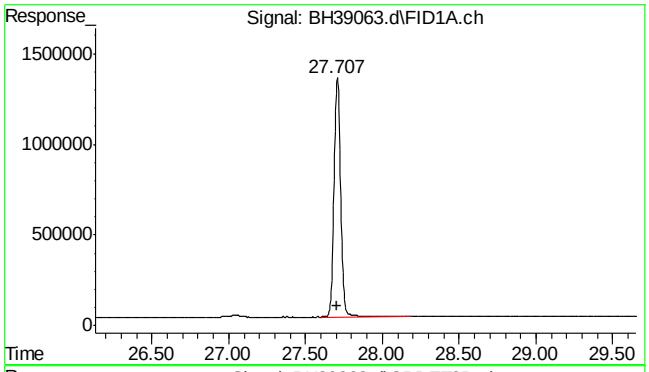
R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 61935262
Conc: 50.31 ppb m



#19 butylcyclohexane

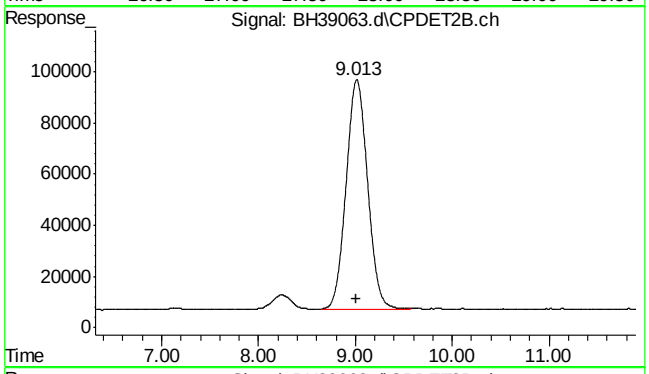
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 55557290
Conc: 50.01 ppb m

SGS ACCUTEST MC45857



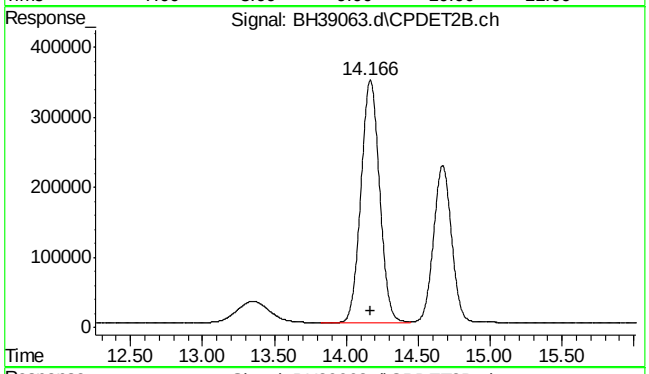
#20 naphthalene

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 39451306
Conc: 50.00 ppb m



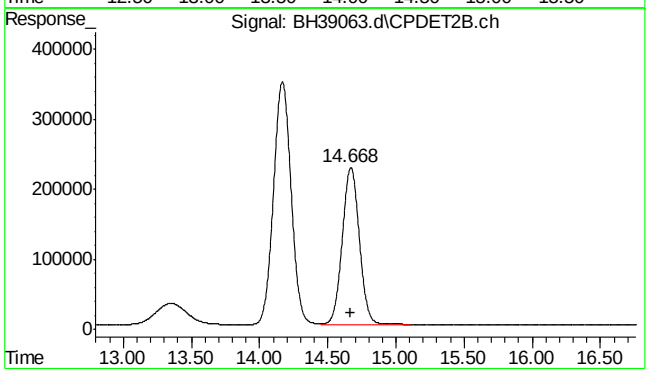
#23 mtbe #2

R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 13981996
Conc: 50.01 ppb m



#24 benzene #2

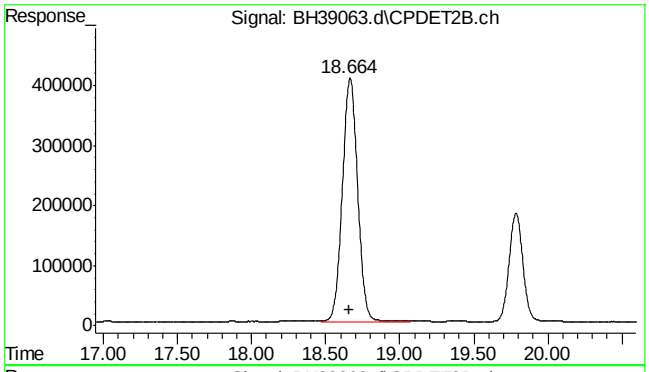
R.T.: 14.166 min
Delta R.T.: 0.000 min
Response: 31119557
Conc: 50.00 ppb m



#25 fluorobenzene #2

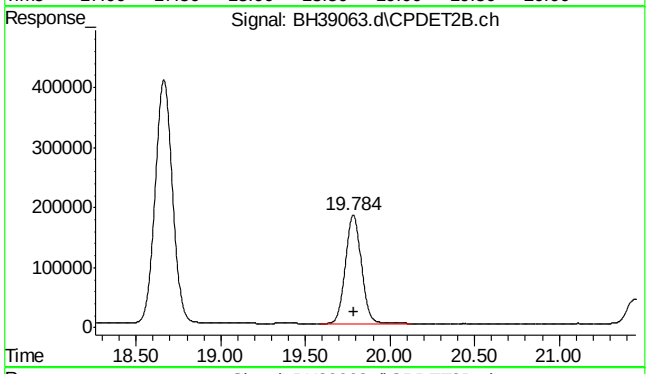
R.T.: 14.668 min
Delta R.T.: 0.000 min
Response: 19580490
Conc: 50.01 ppb m

SGS ACCUTEST MC45857



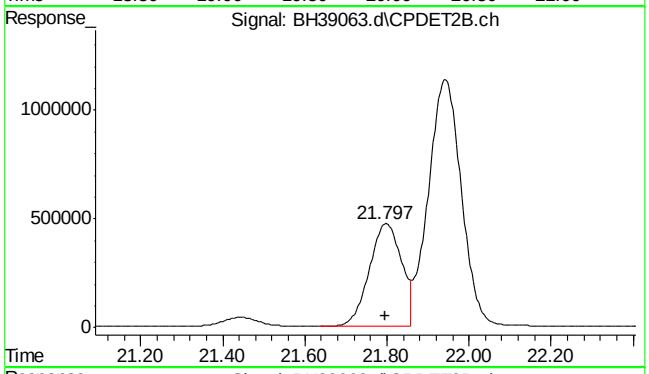
#26 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 29136833
Conc: 50.01 ppb m



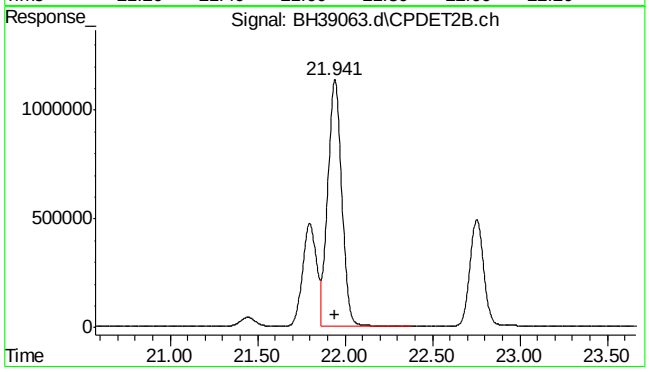
#27 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 11722343
Conc: 50.00 ppb m



#28 ethylbenzene #2

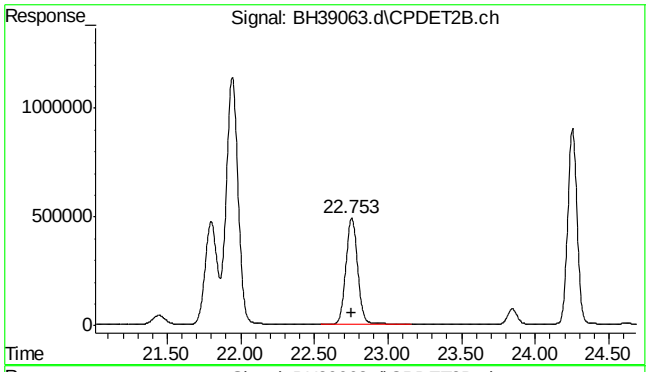
R.T.: 21.797 min
Delta R.T.: 0.000 min
Response: 25834701
Conc: 49.85 ppb m



#29 m,p-xylene #2

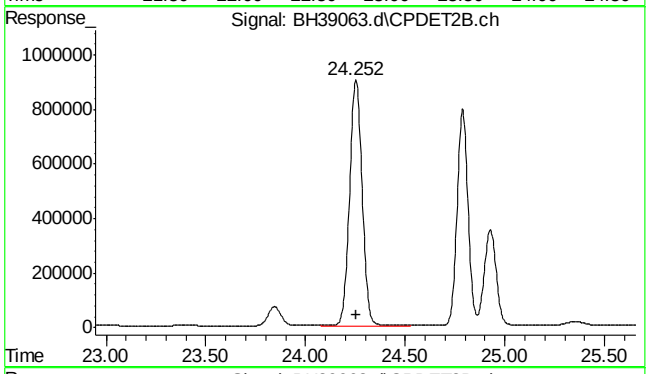
R.T.: 21.941 min
Delta R.T.: 0.000 min
Response: 63398610
Conc: 99.39 ppb m

SGS ACCUTEST MC45857



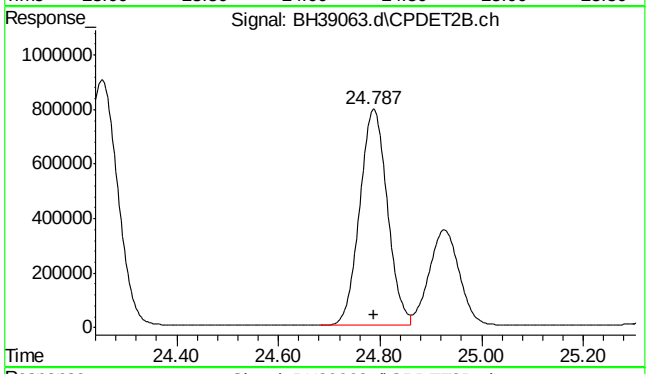
#30 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 27195655
Conc: 50.02 ppb m



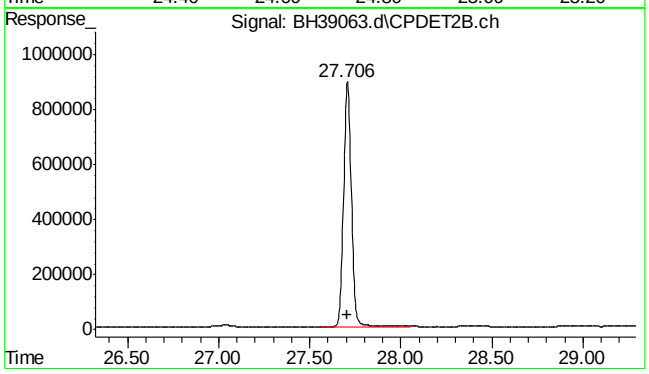
#31 1,3,5-trimethylbenzene #2

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 39805434
Conc: 50.00 ppb m



#32 1,2,4-trimethylbenzene #2

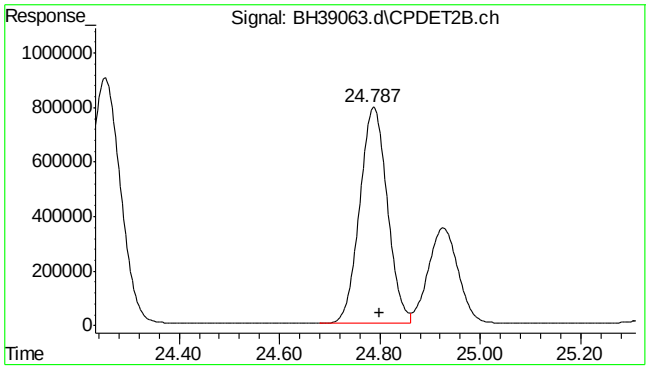
R.T.: 24.787 min
Delta R.T.: 0.000 min
Response: 30104795
Conc: 50.00 ppb m



#33 naphthalene #2

R.T.: 27.706 min
Delta R.T.: 0.000 min
Response: 26699144
Conc: 50.00 ppb m

SGS ACCUTEST MC45857



#34 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 30253242
Conc: 50.00 ppb m

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(3) mtbe (t)
9.014min 50.202 ppb
response 29946396

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:02:34 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(3) mtbe (t)
9.013min 50.002 ppb m
response 29827413

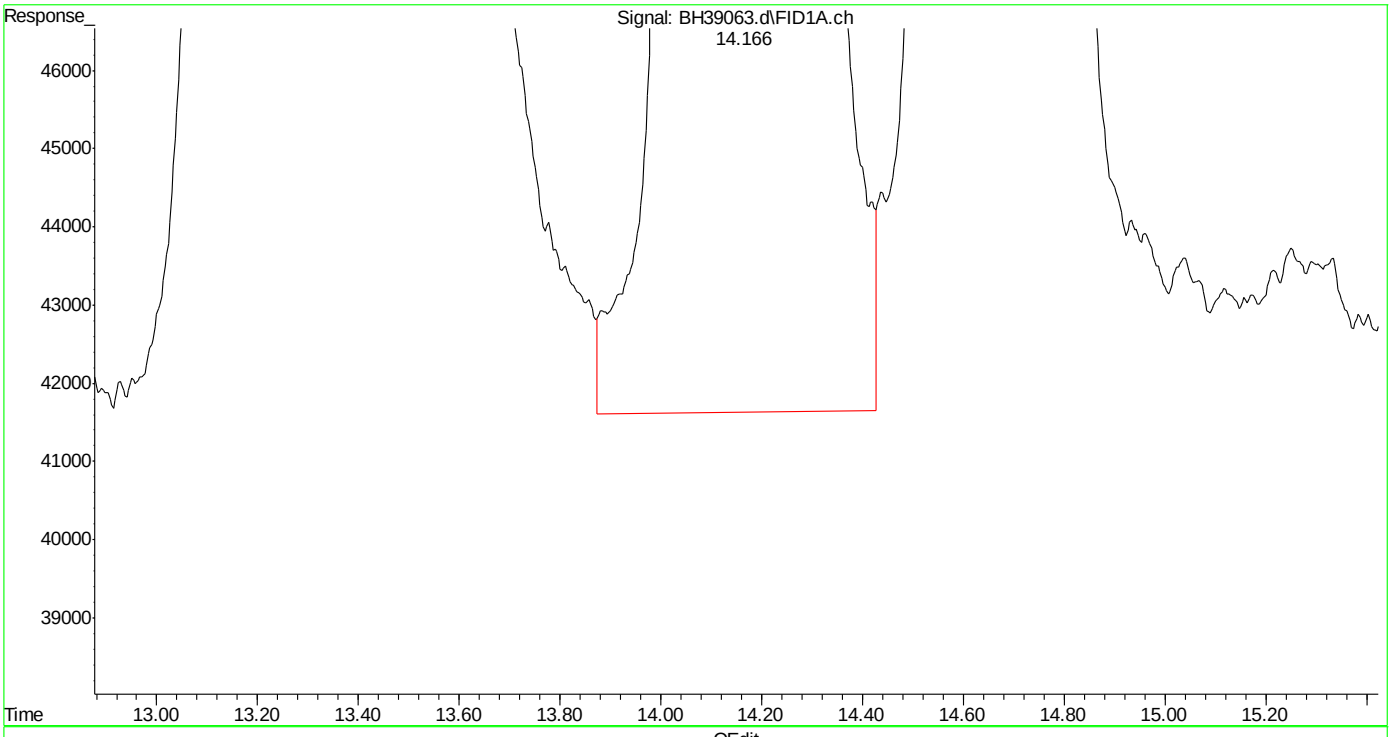
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:02:55 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.168min 50.036 ppb
response 56647396

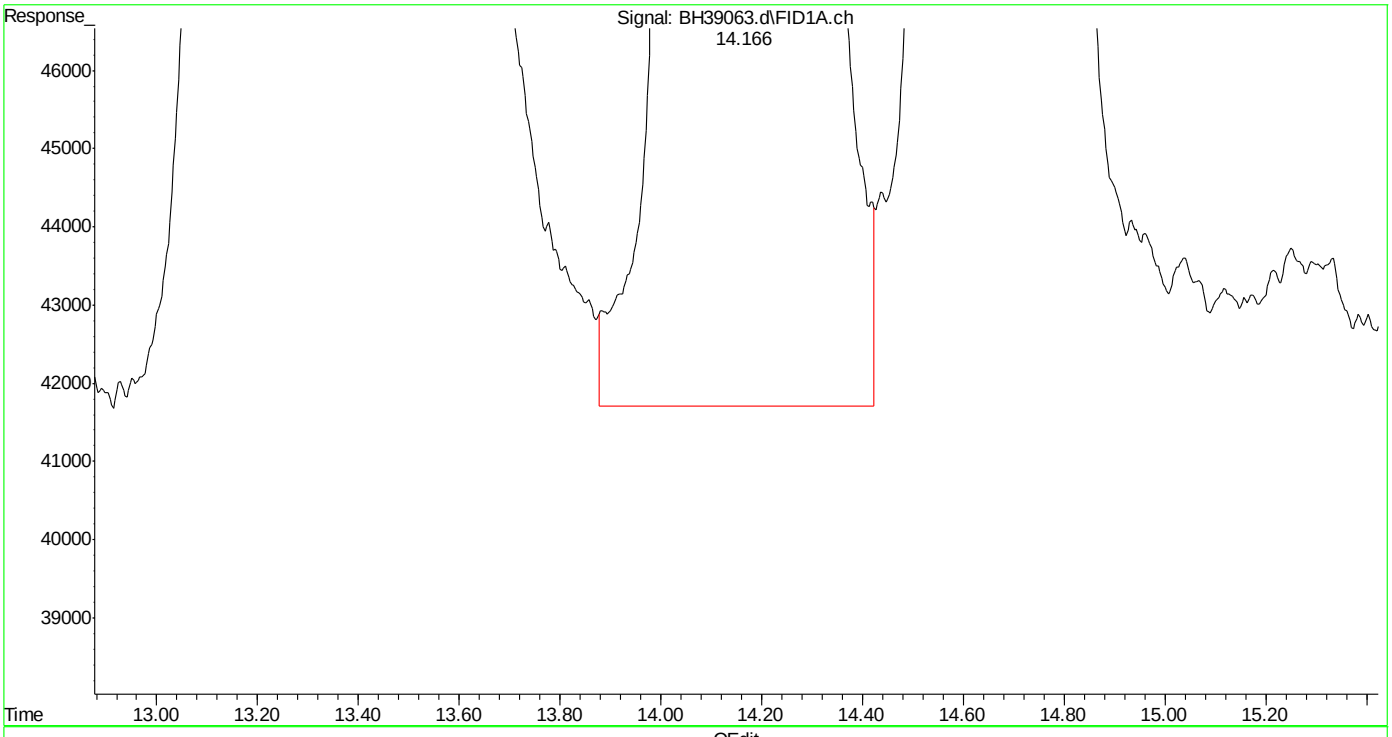
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:03:38 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.166min 49.998 ppb m
response 56604825

(+) = Expected Retention Time

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(6) fluorobenzene (s)
14.669min 49.998 ppb m
response 44655889

(+) = Expected Retention Time

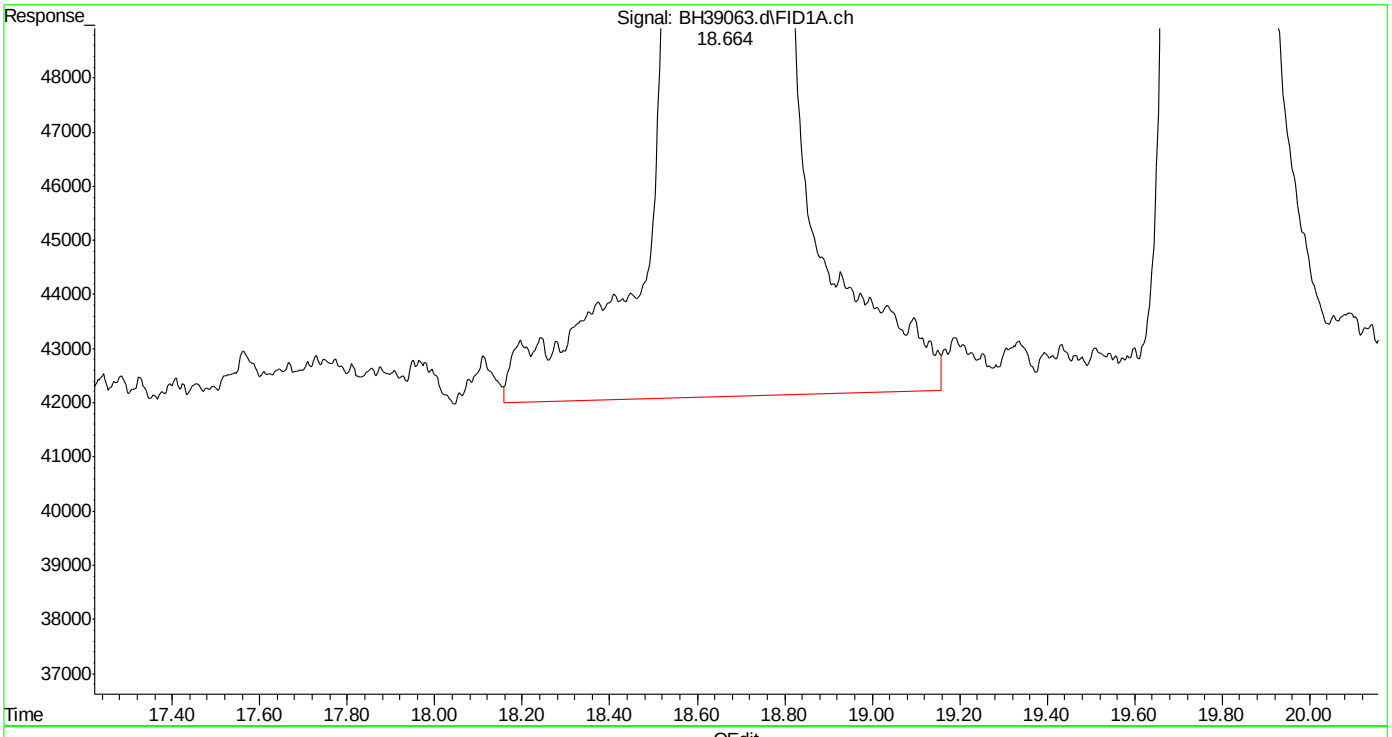
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.666min 50.454 ppb
response 57099358

(+) = Expected Retention Time

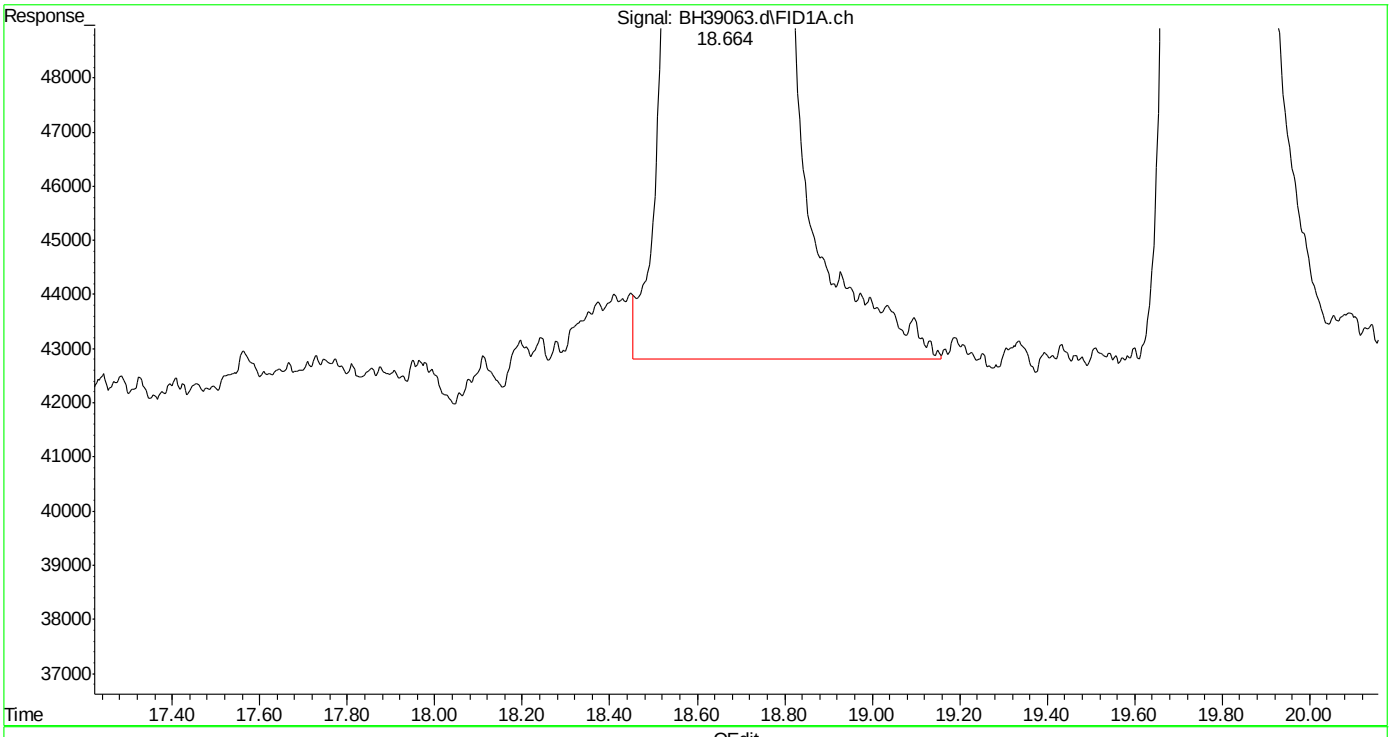
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.664min 50.008 ppb m
response 56594972

(+) = Expected Retention Time

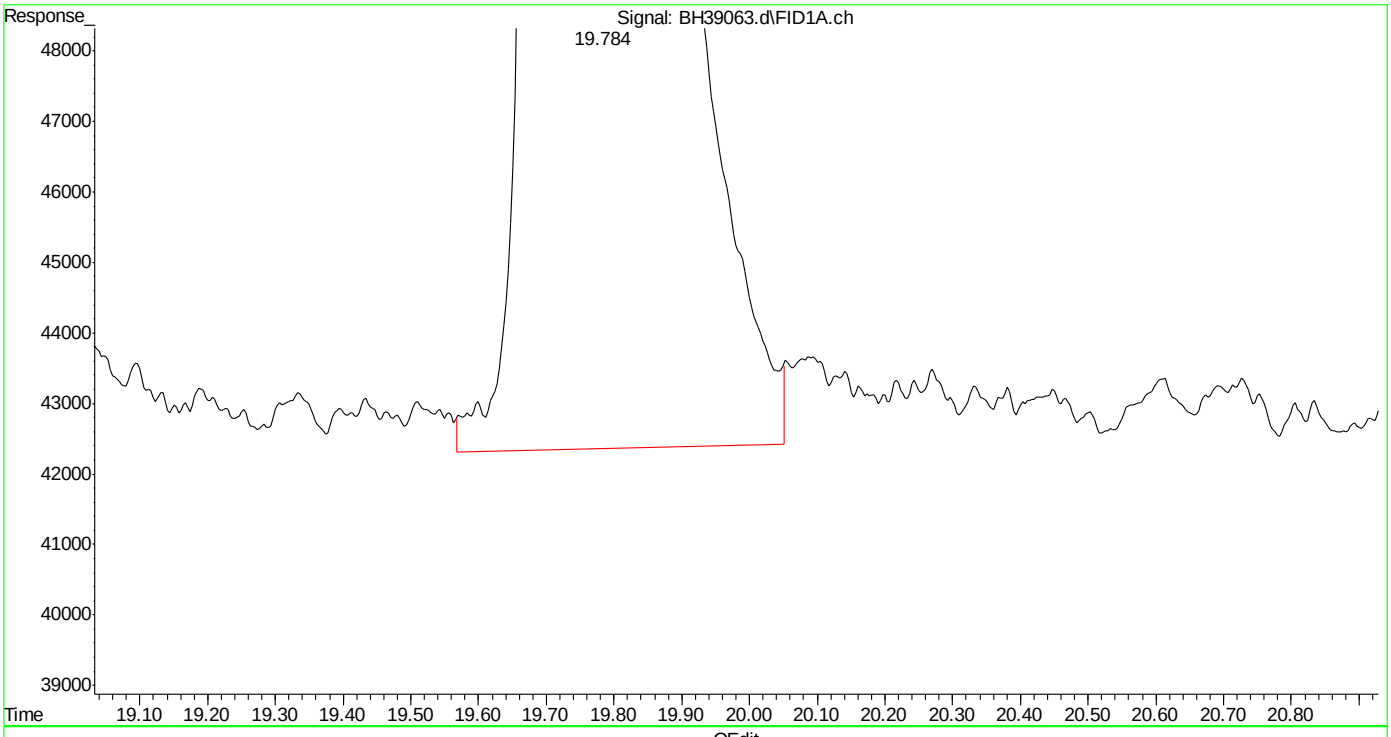
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.785min 50.169 ppb
response 37093386

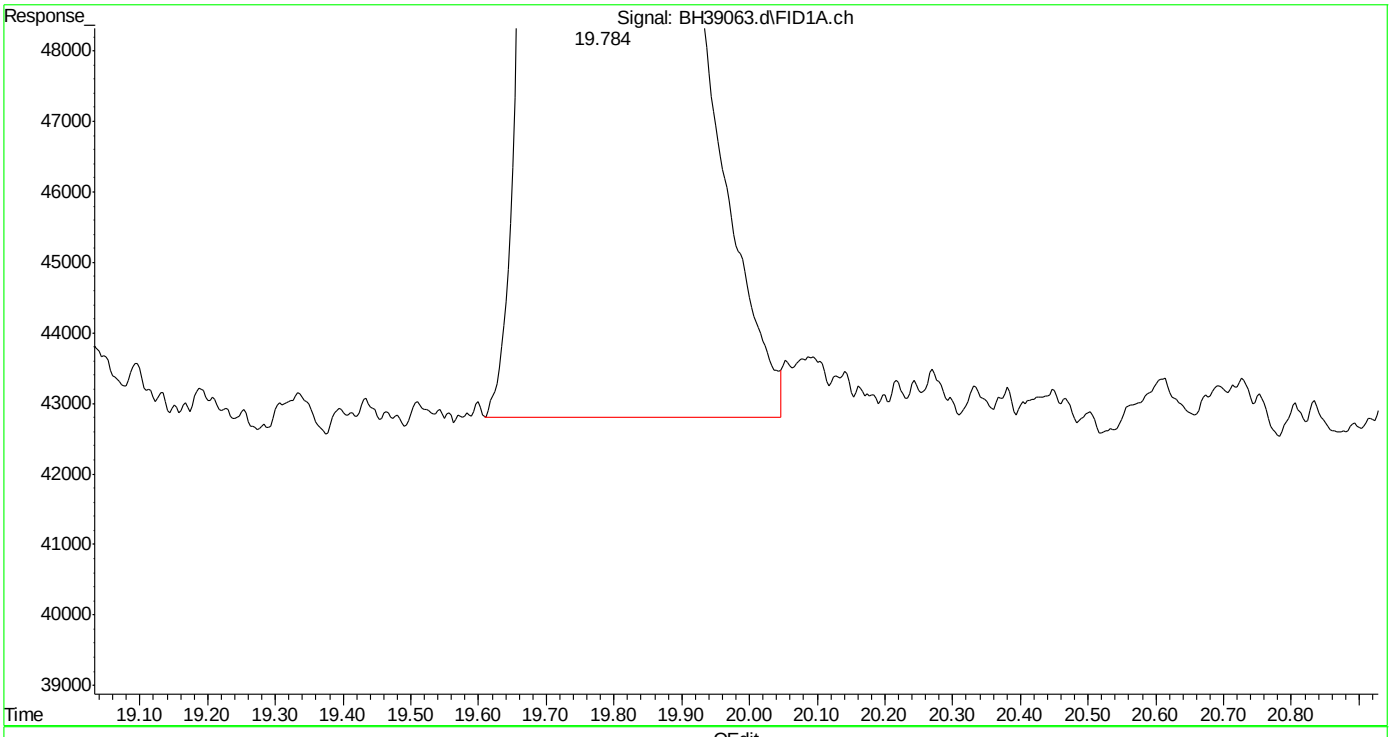
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:04:45 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.784min 49.996 ppb m
response 36965520

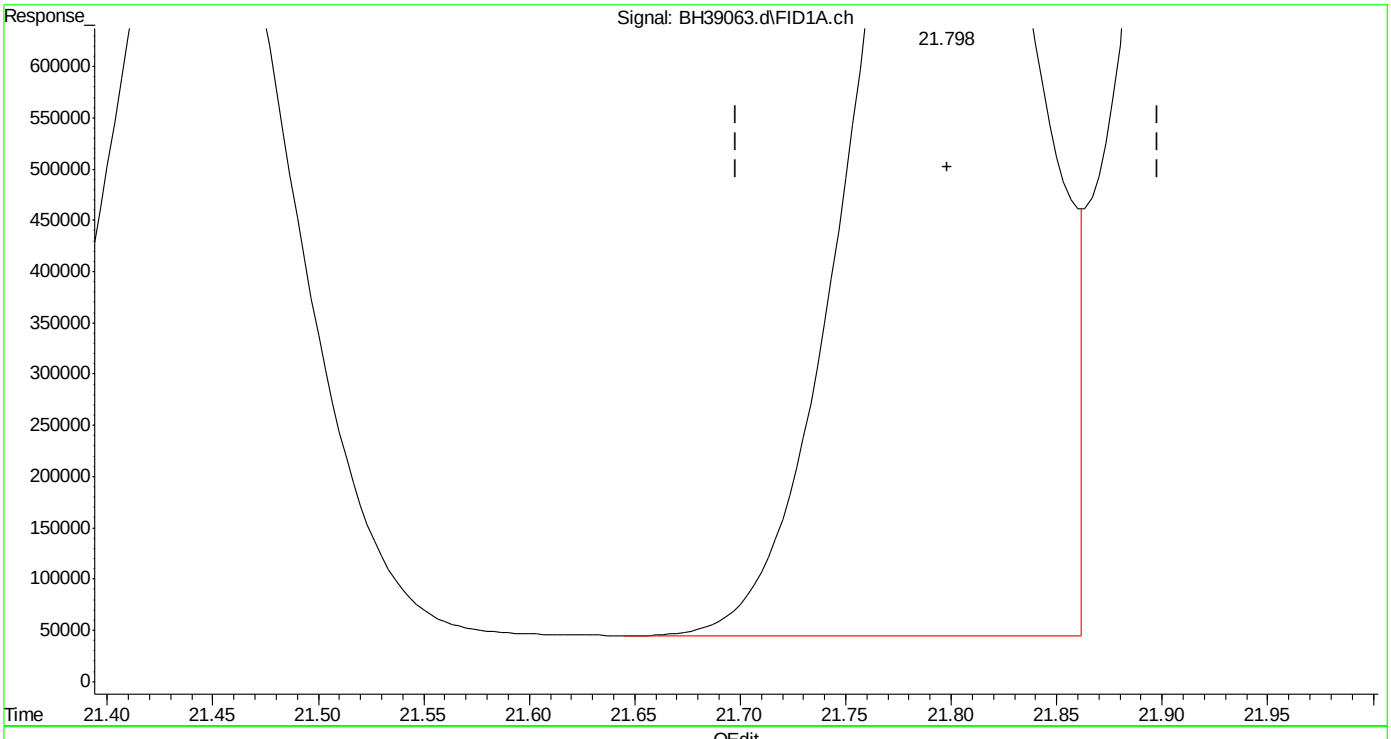
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:04:53 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.798min 50.285 ppb m
response 56104042

(+) = Expected Retention Time

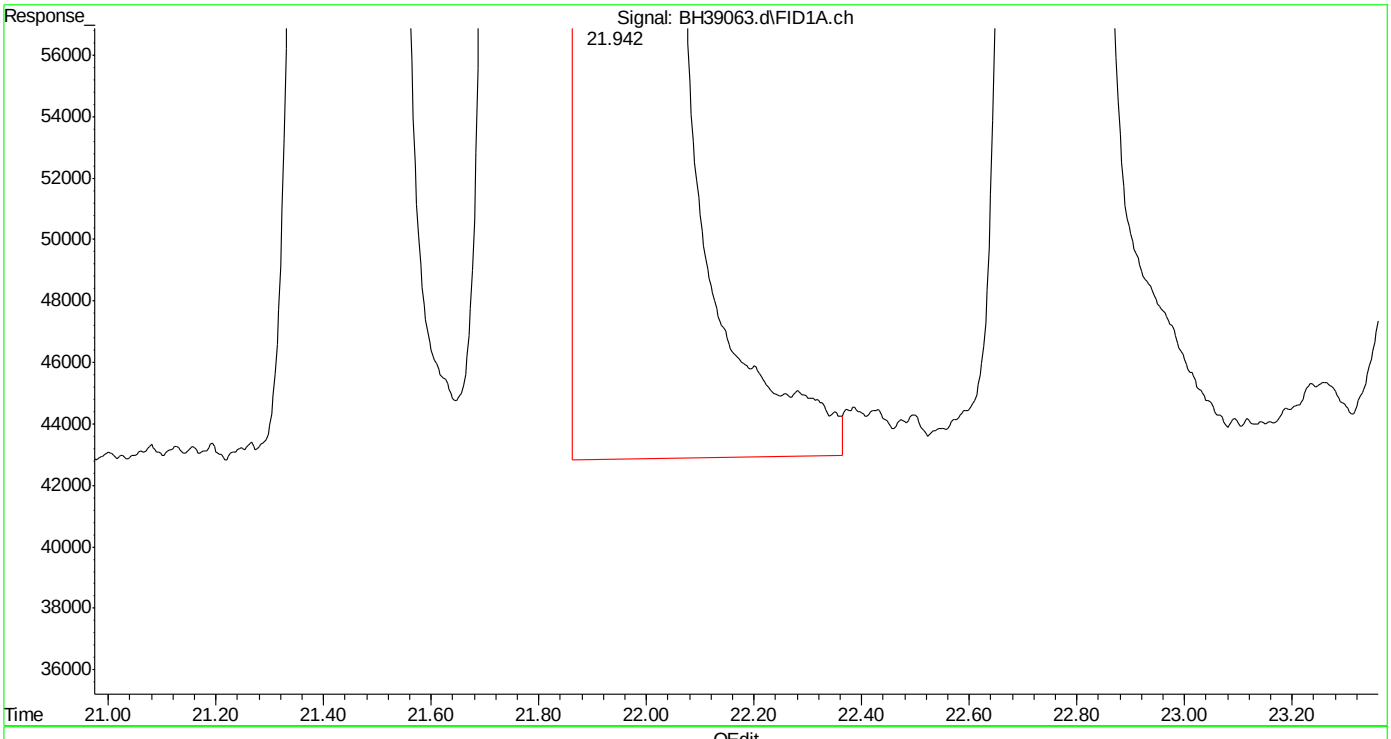
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 100.055 ppb
response 118032604

(+) = Expected Retention Time

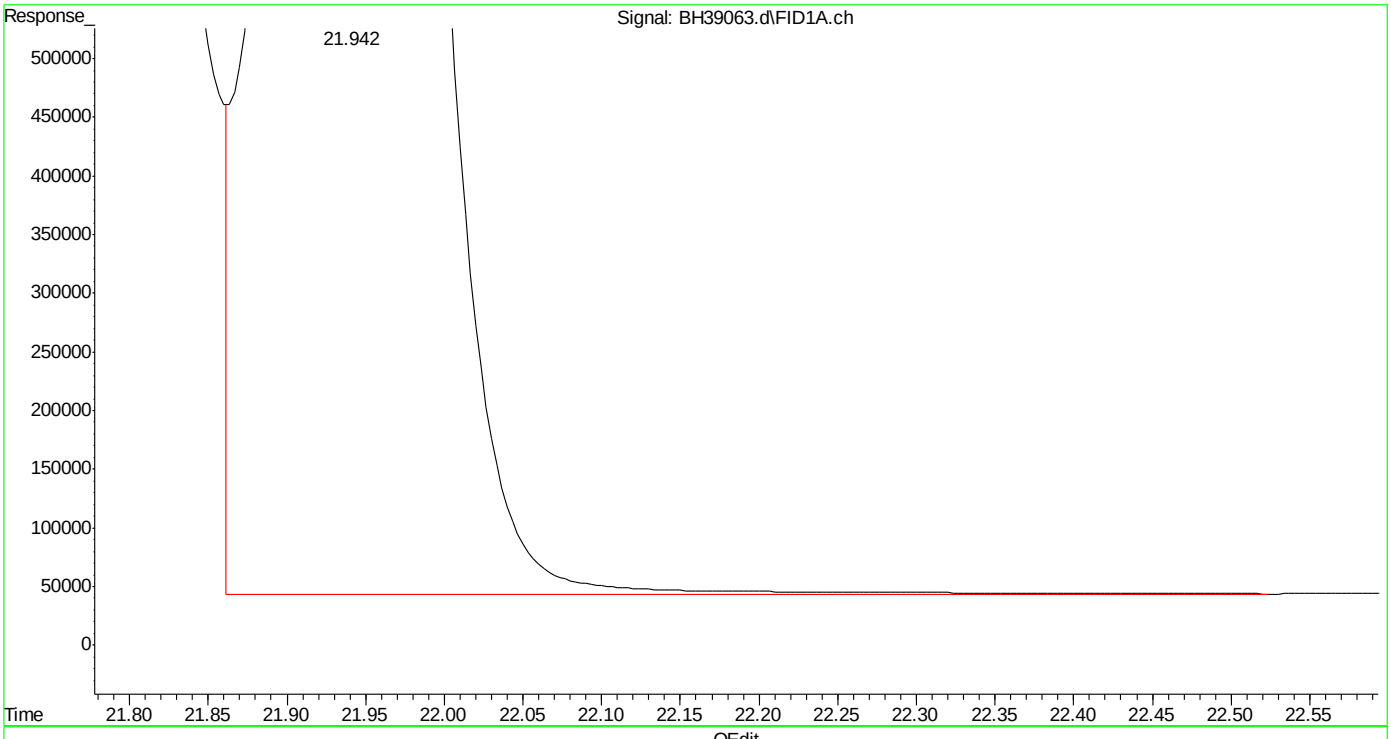
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.942min 99.718 ppb m
response 117634266

(+) = Expected Retention Time

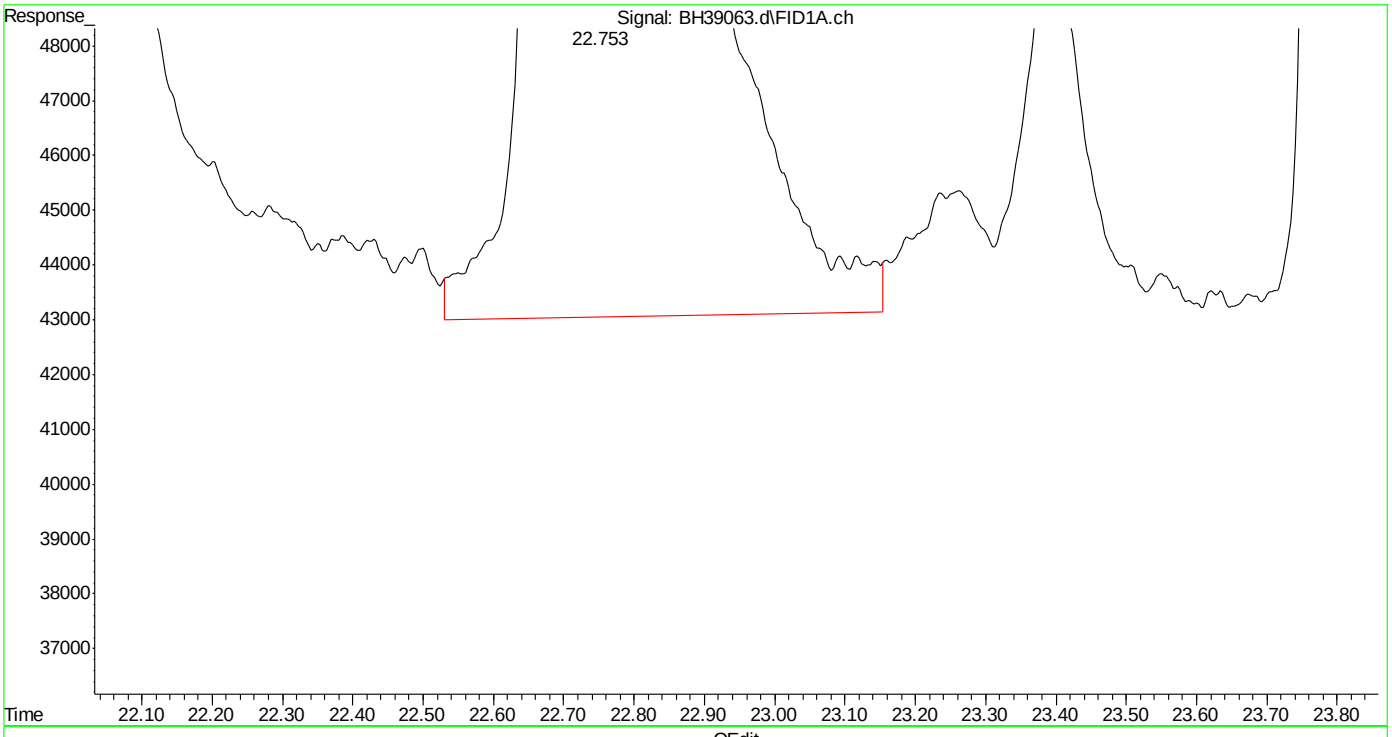
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.755min 50.184 ppb
response 59454955

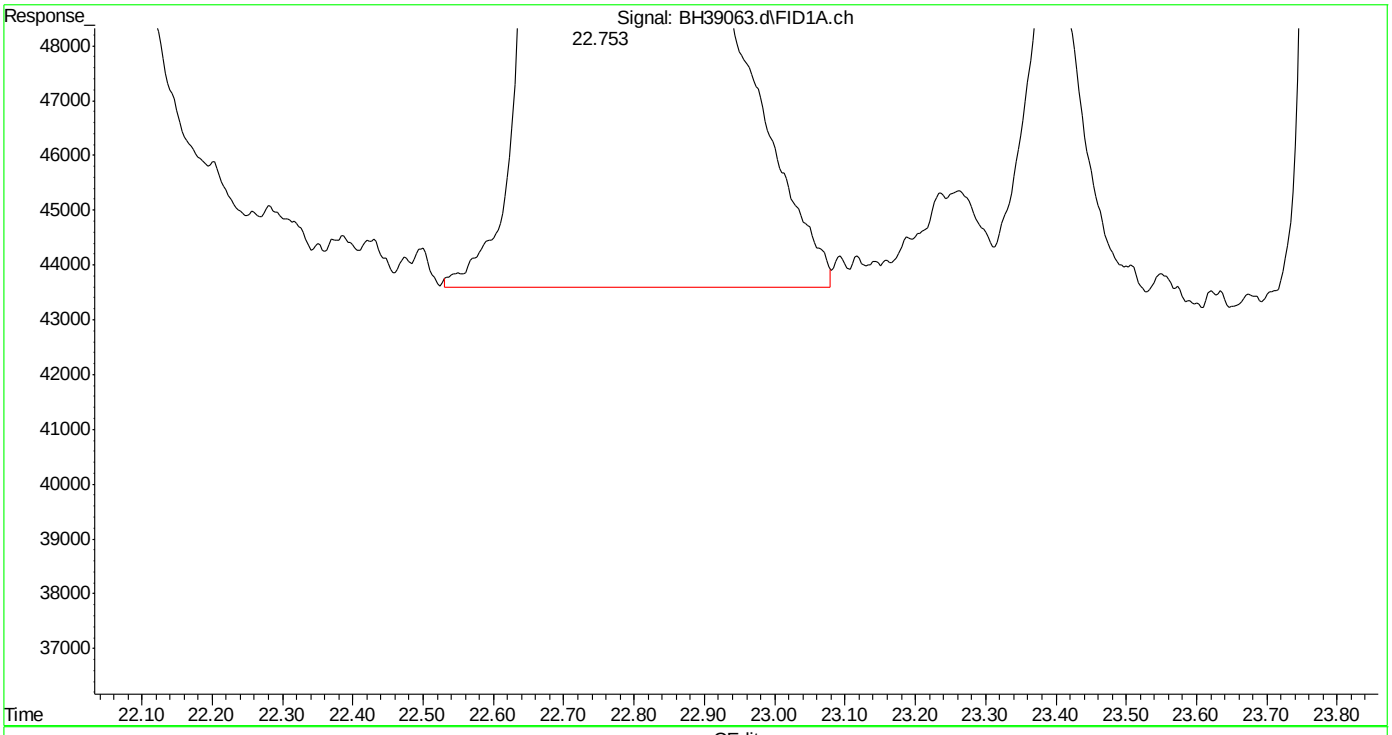
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:06:24 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.753min 50.005 ppb m
response 59242785

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:06:29 2016

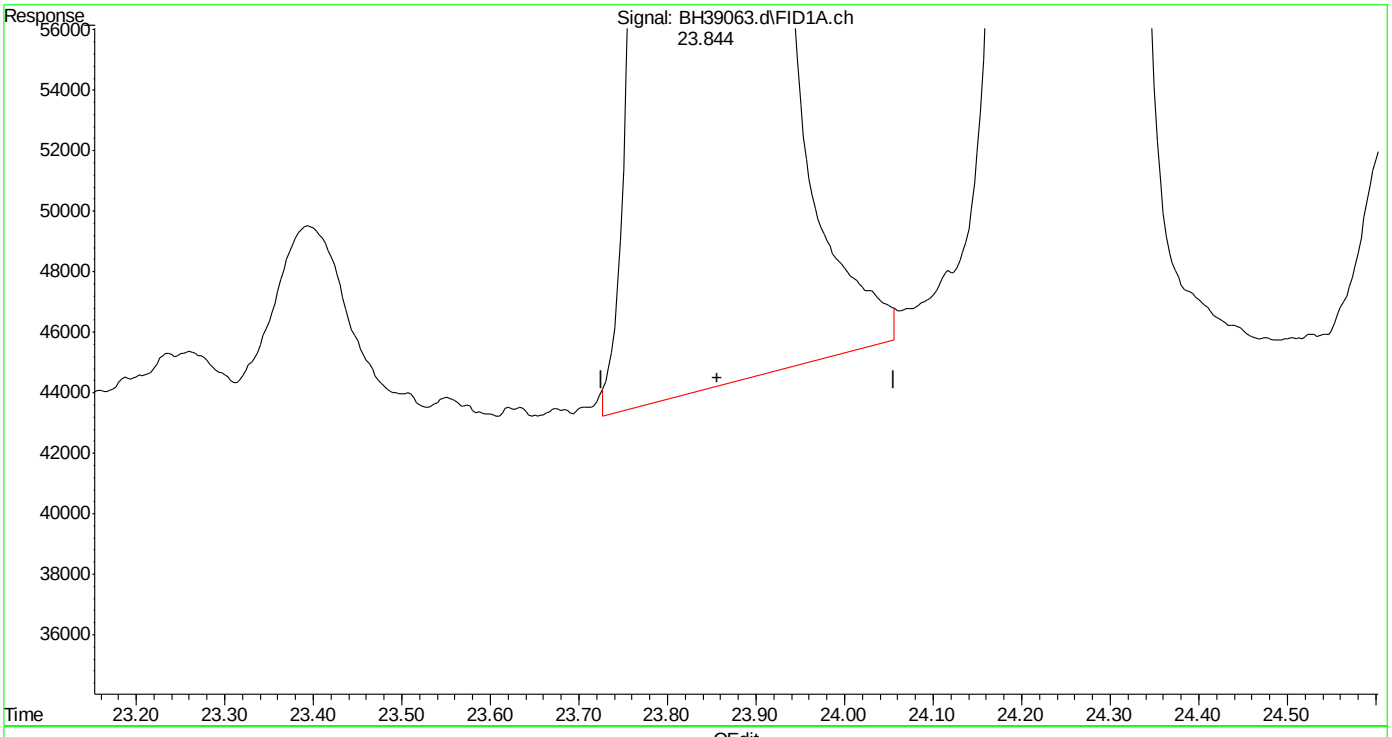
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 49.744 ppb
response 49941797

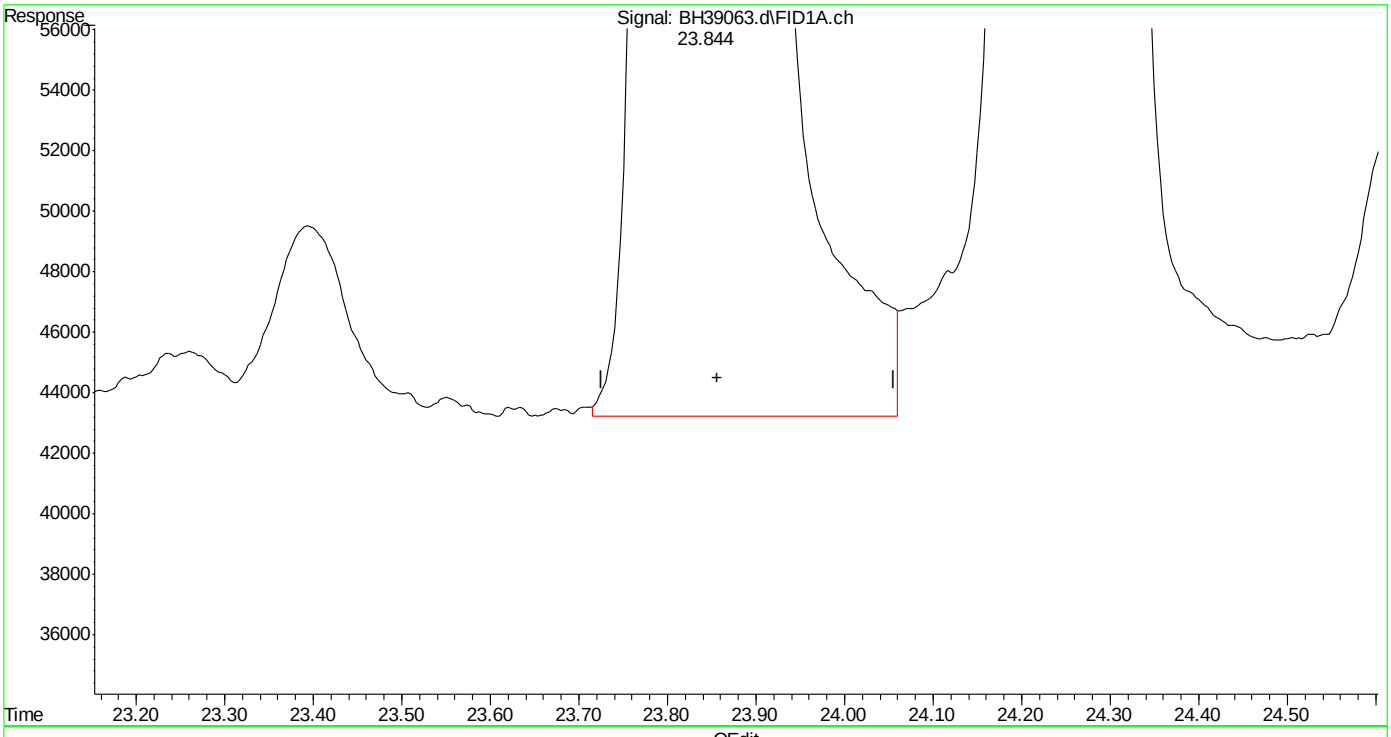
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:06:36 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 49.999 ppb m
response 50197976

(+) = Expected Retention Time

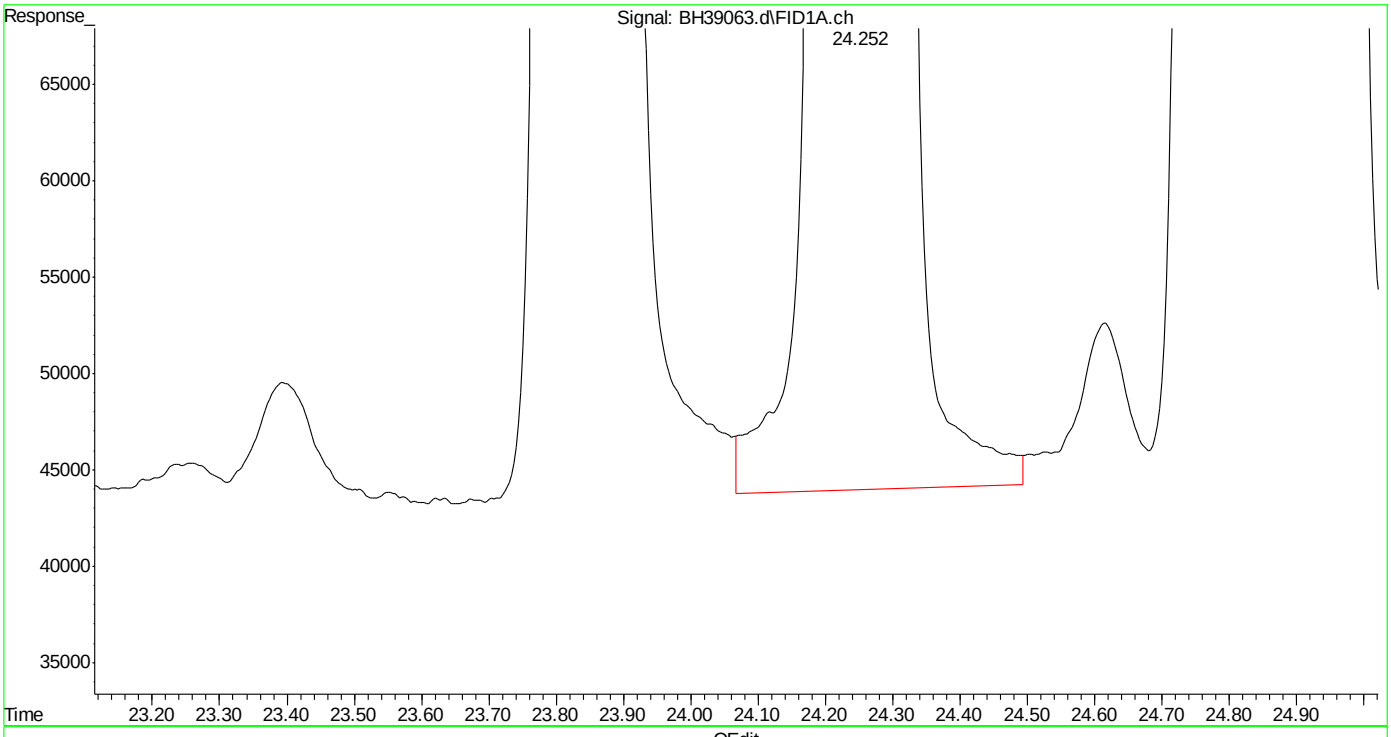
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 49.853 ppb
response 62310044

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:06:55 2016

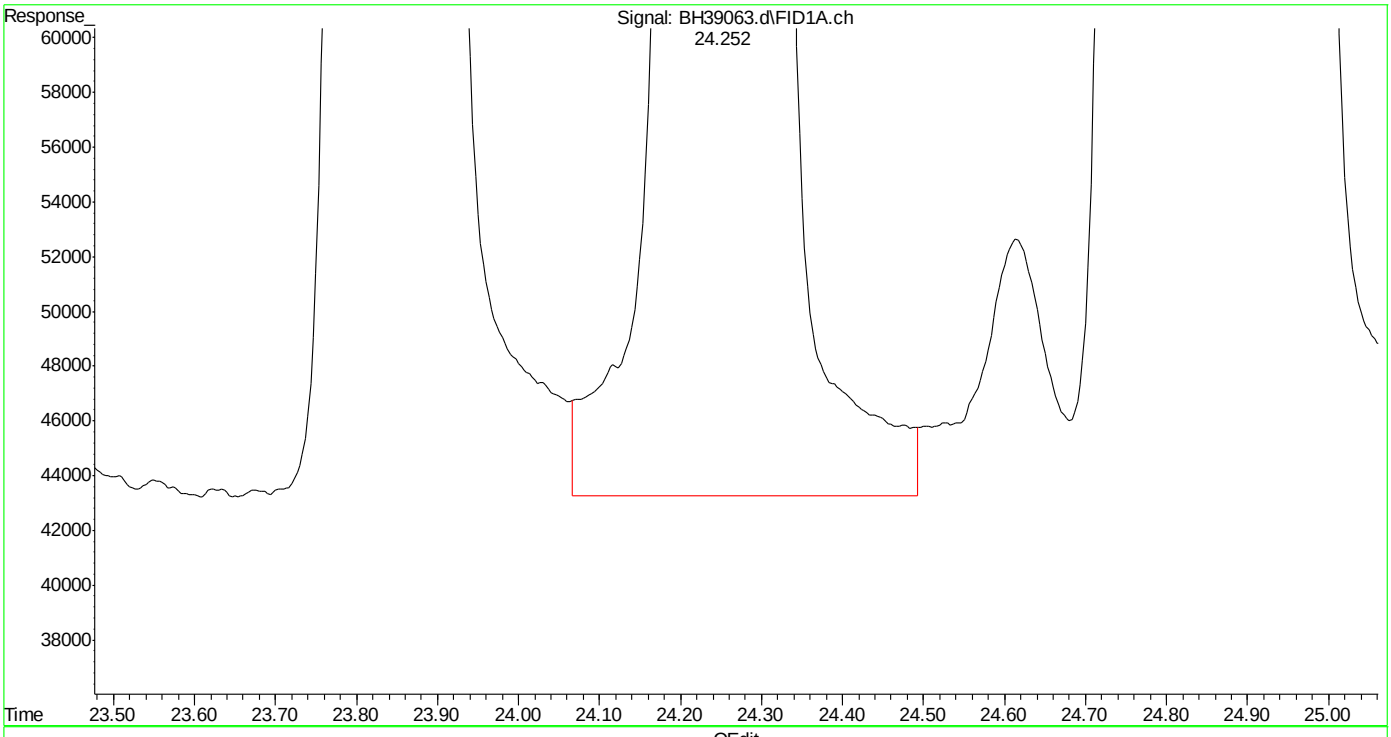
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.252min 50.004 ppb m
response 62499529

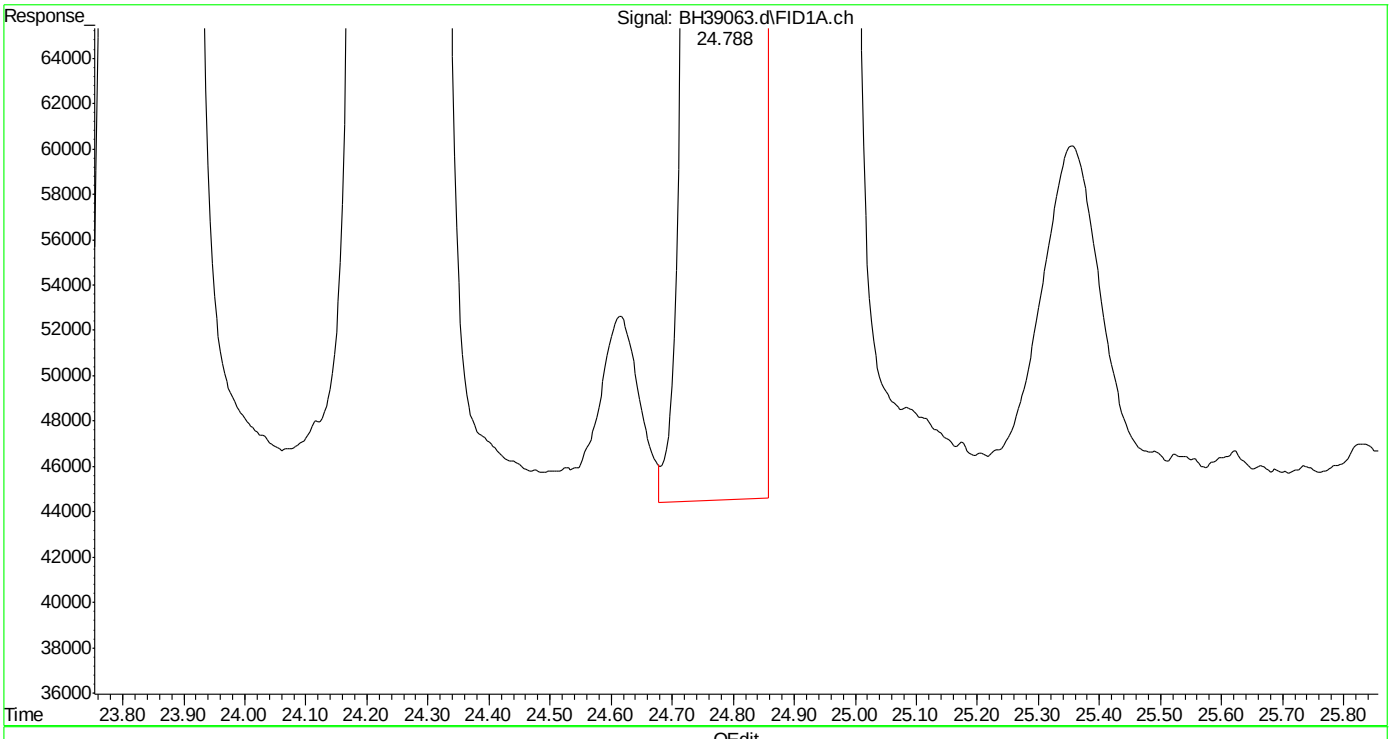
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:07:26 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.789min 50.253 ppb
response 61860378

(+) = Expected Retention Time

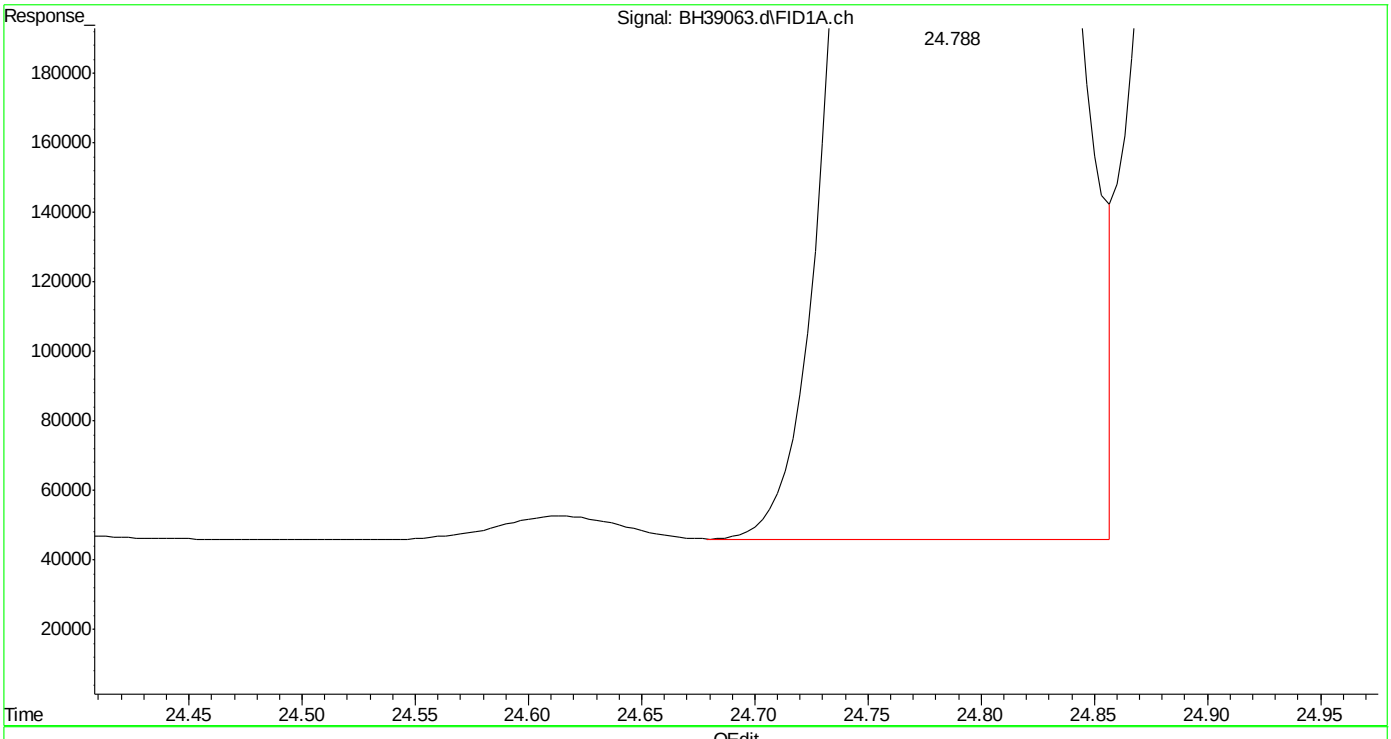
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.788min 50.313 ppb m
response 61935262

(+) = Expected Retention Time

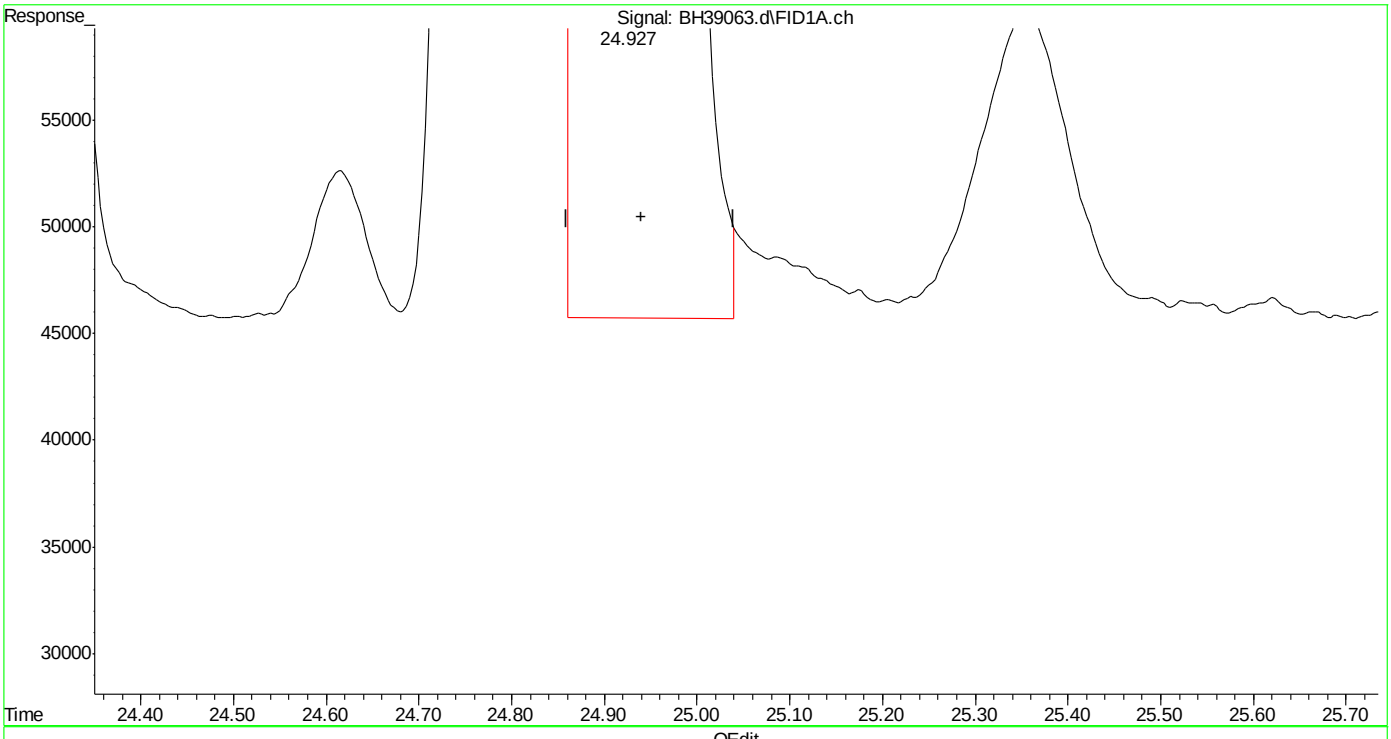
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 49.776 ppb
response 55297181

(+) = Expected Retention Time

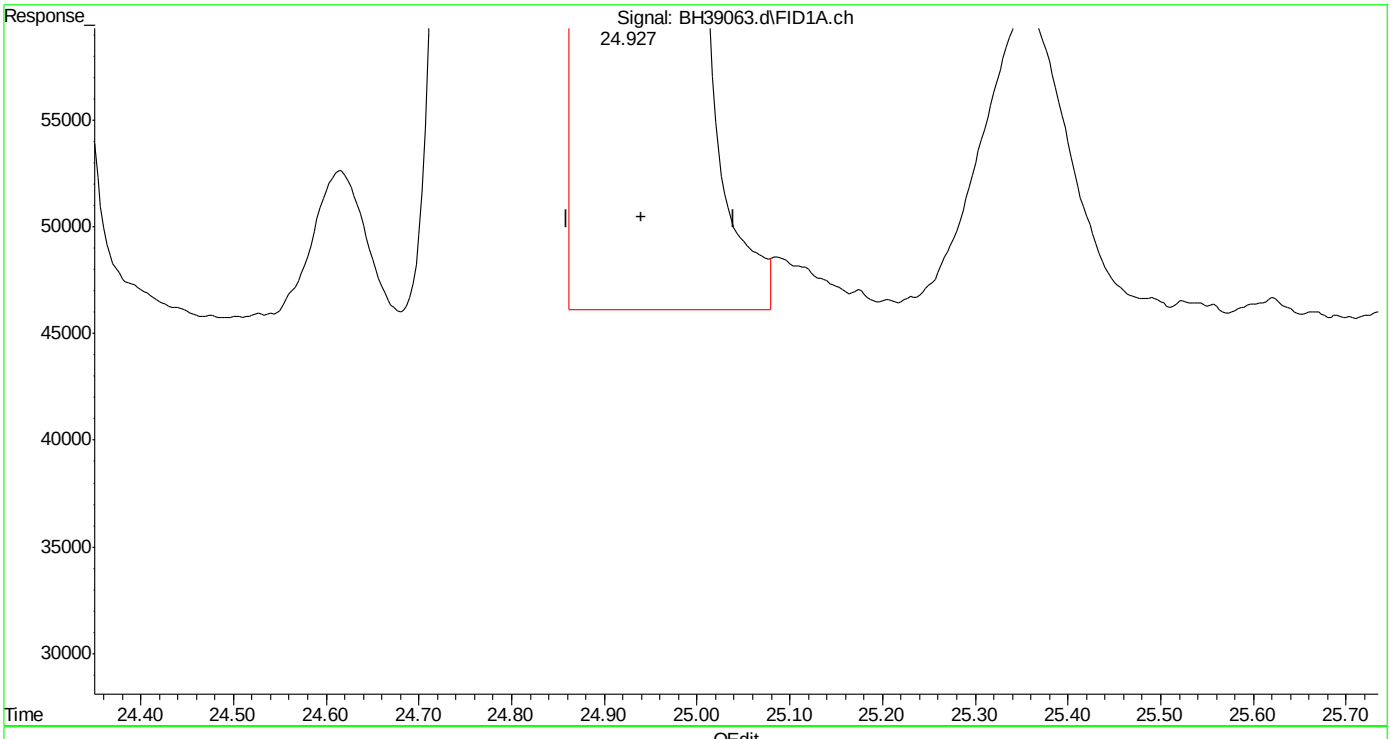
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 50.010 ppb m
response 55557290

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:08:14 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(20) naphthalene (t)
27.708min 50.689 ppb
response 39994849

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:08:20 2016 Page: 1

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(20) naphthalene (t)
27.707min 50.000 ppb m
response 39451306

(+) = Expected Retention Time

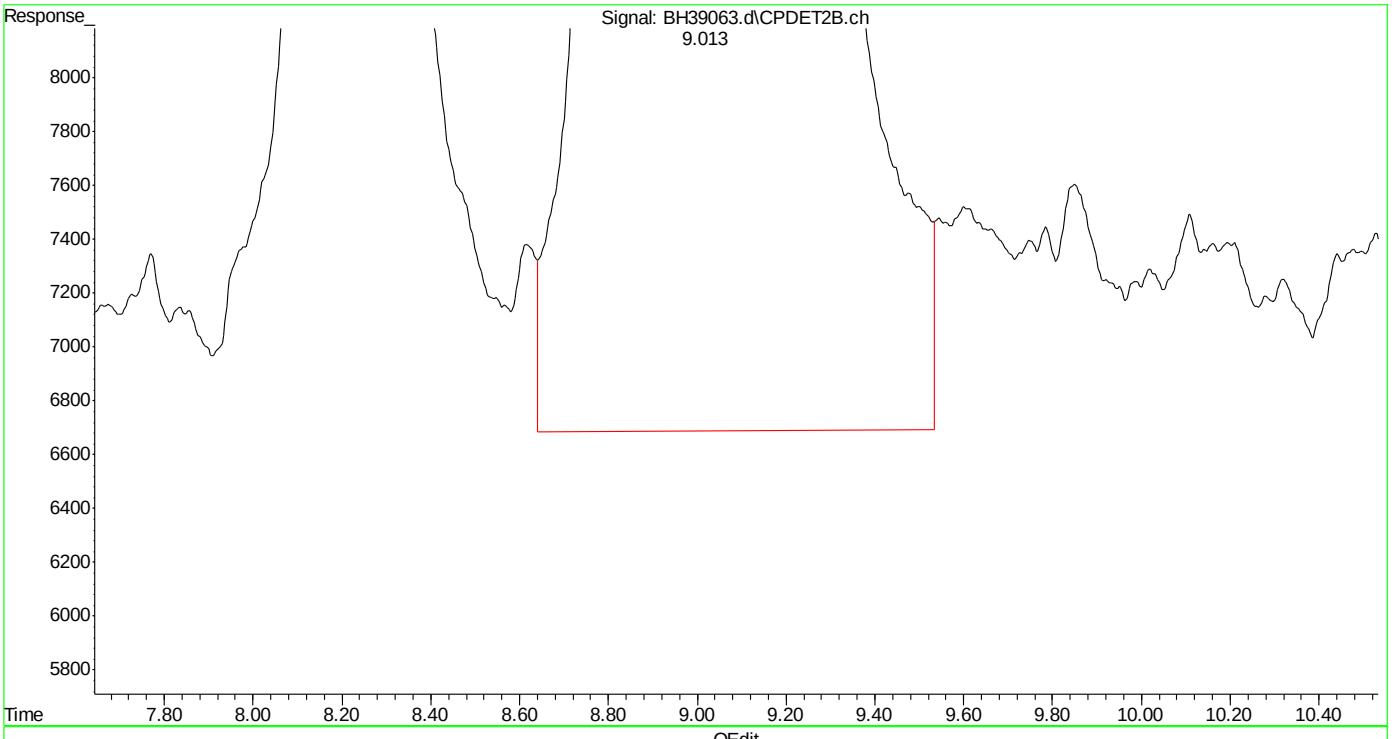
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.014min 50.534 ppb
response 14128265

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(23) mtbe #2 (t)
9.013min 50.011 ppb m
response 13981996

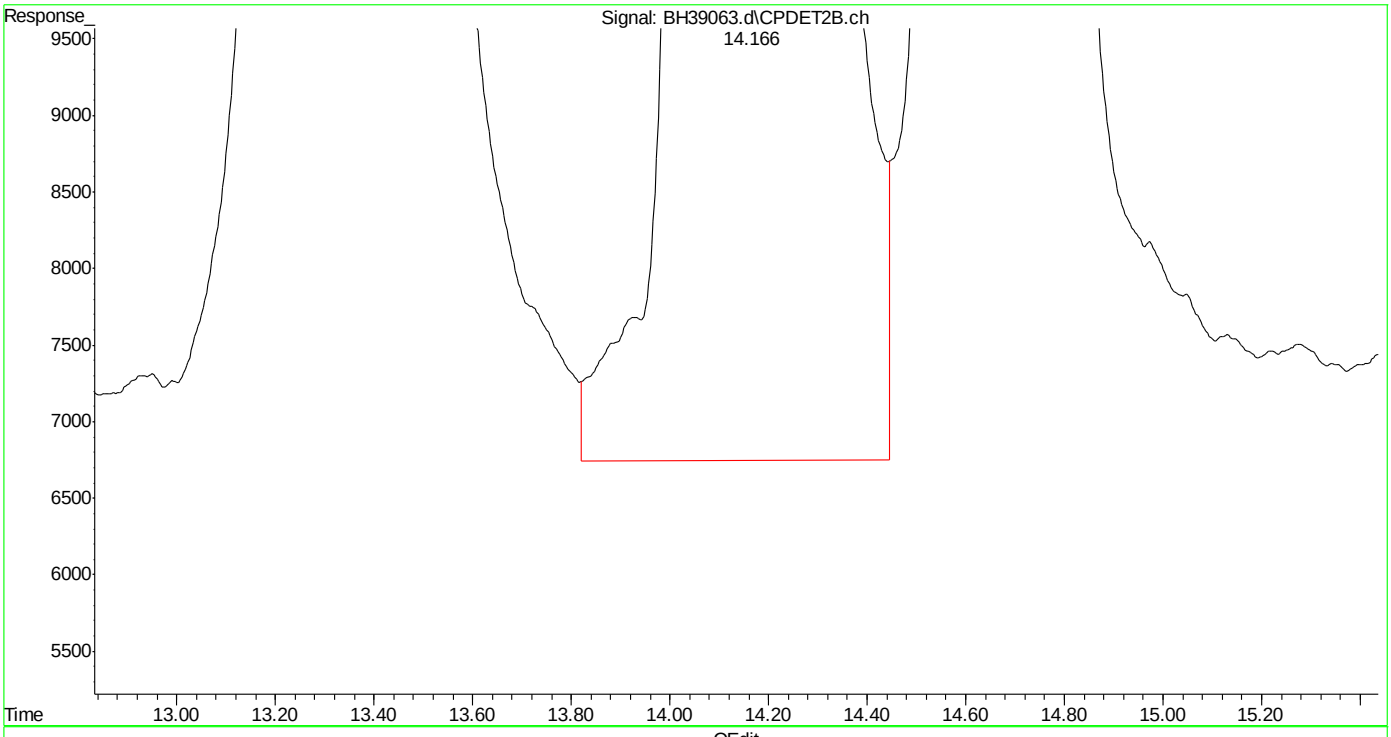
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:09:28 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.168min 50.291 ppb
response 31301411

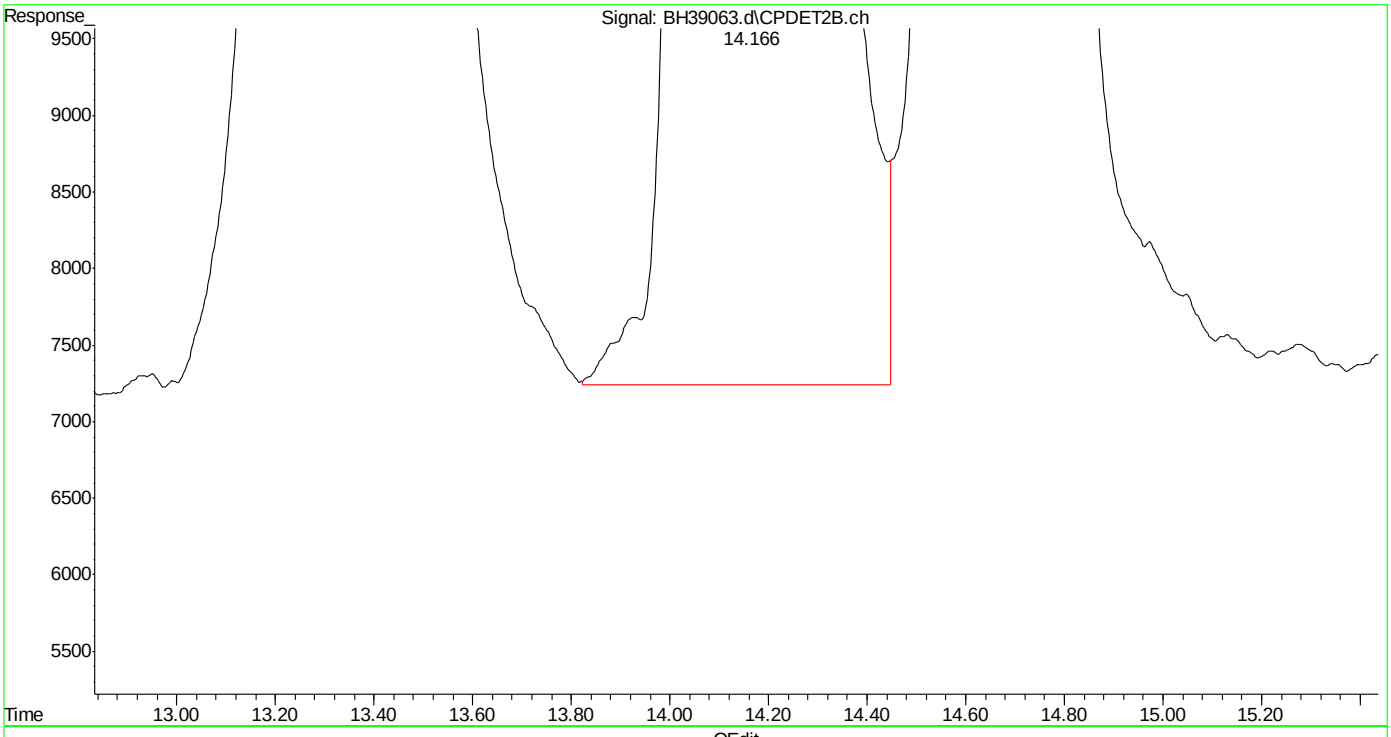
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:09:33 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.166min 49.999 ppb m
response 31119557

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:09:45 2016 Page: 1

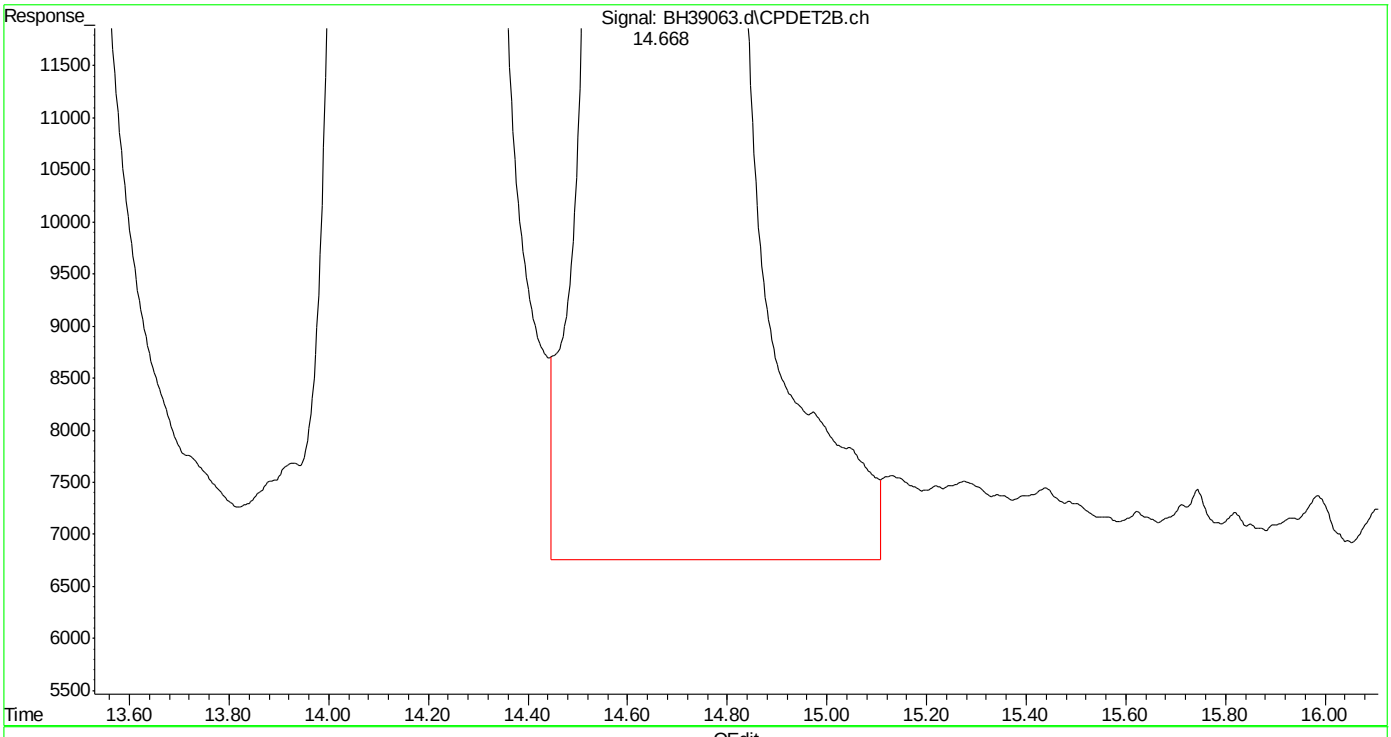
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 50.514 ppb
response 19779561

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:09:50 2016

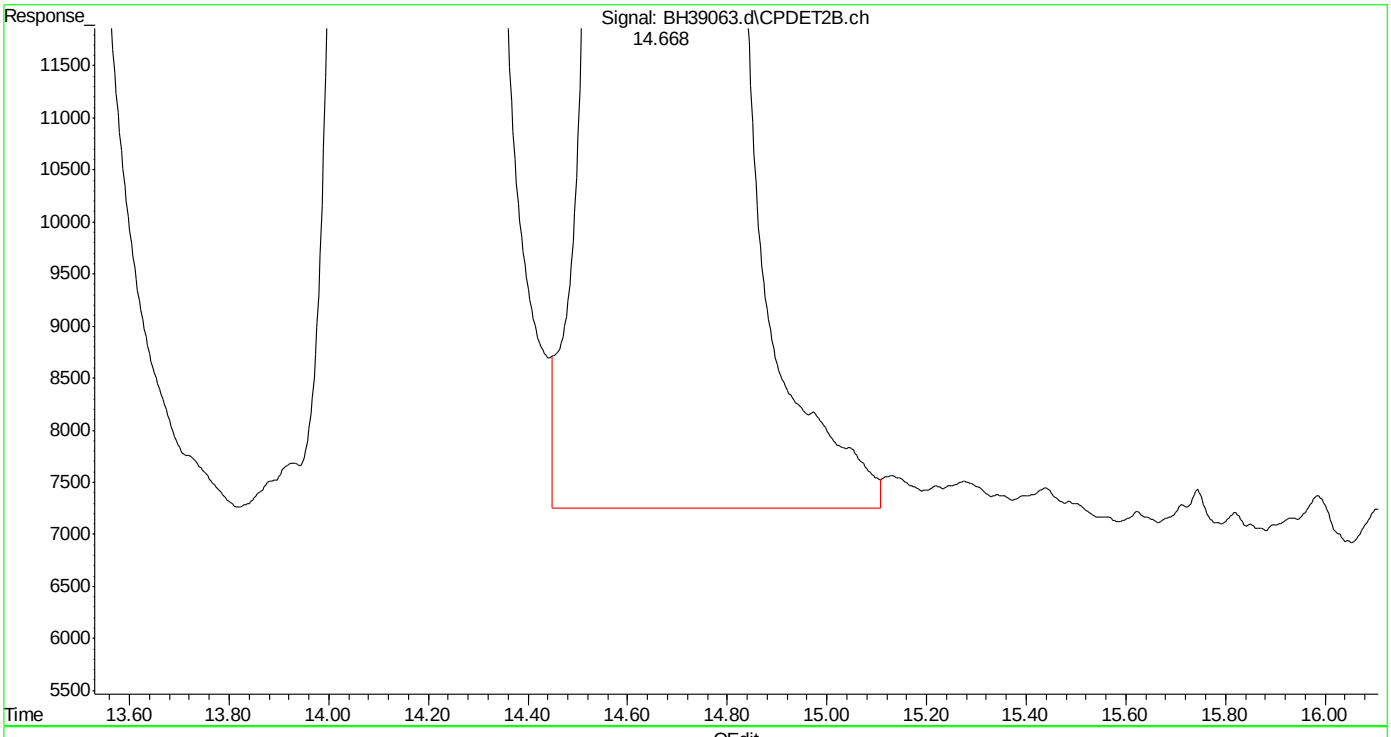
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.668min 50.005 ppb m
response 19580490

(+) = Expected Retention Time

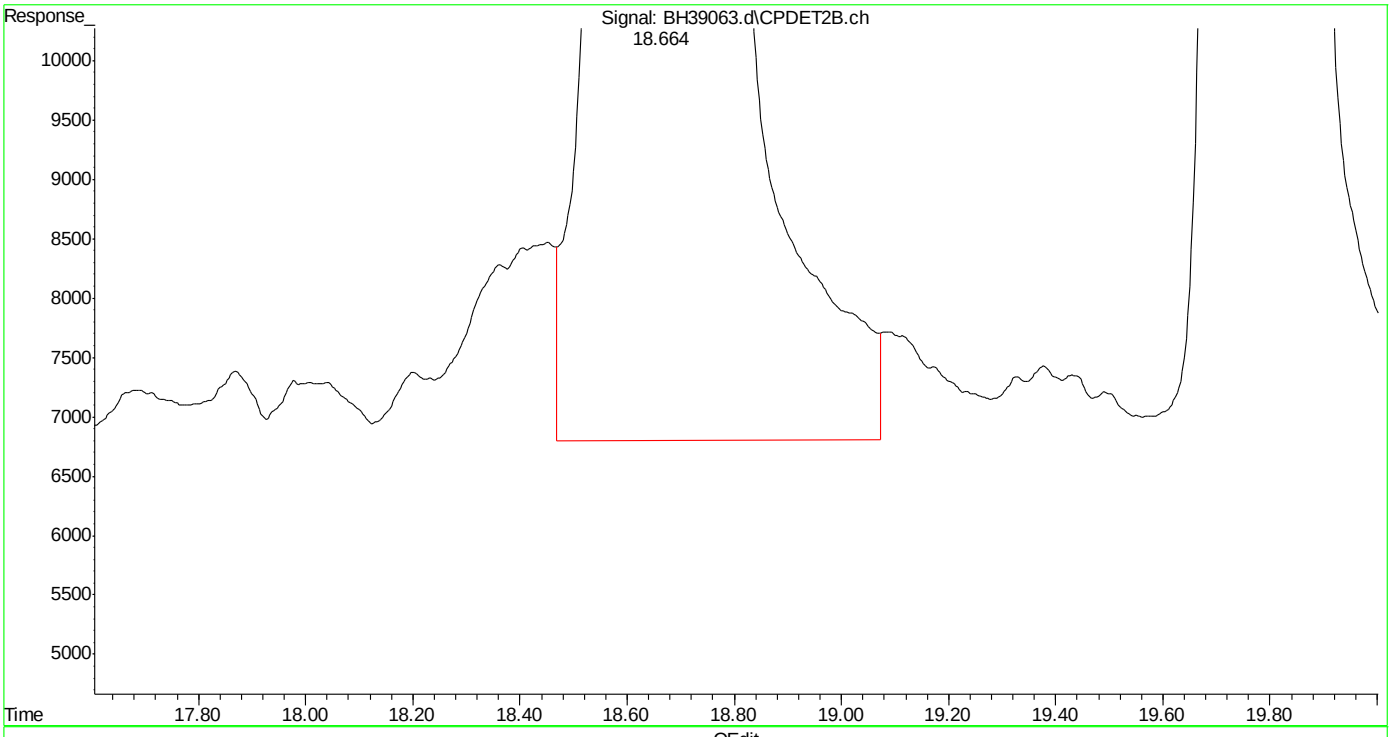
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.665min 50.096 ppb
response 29186617

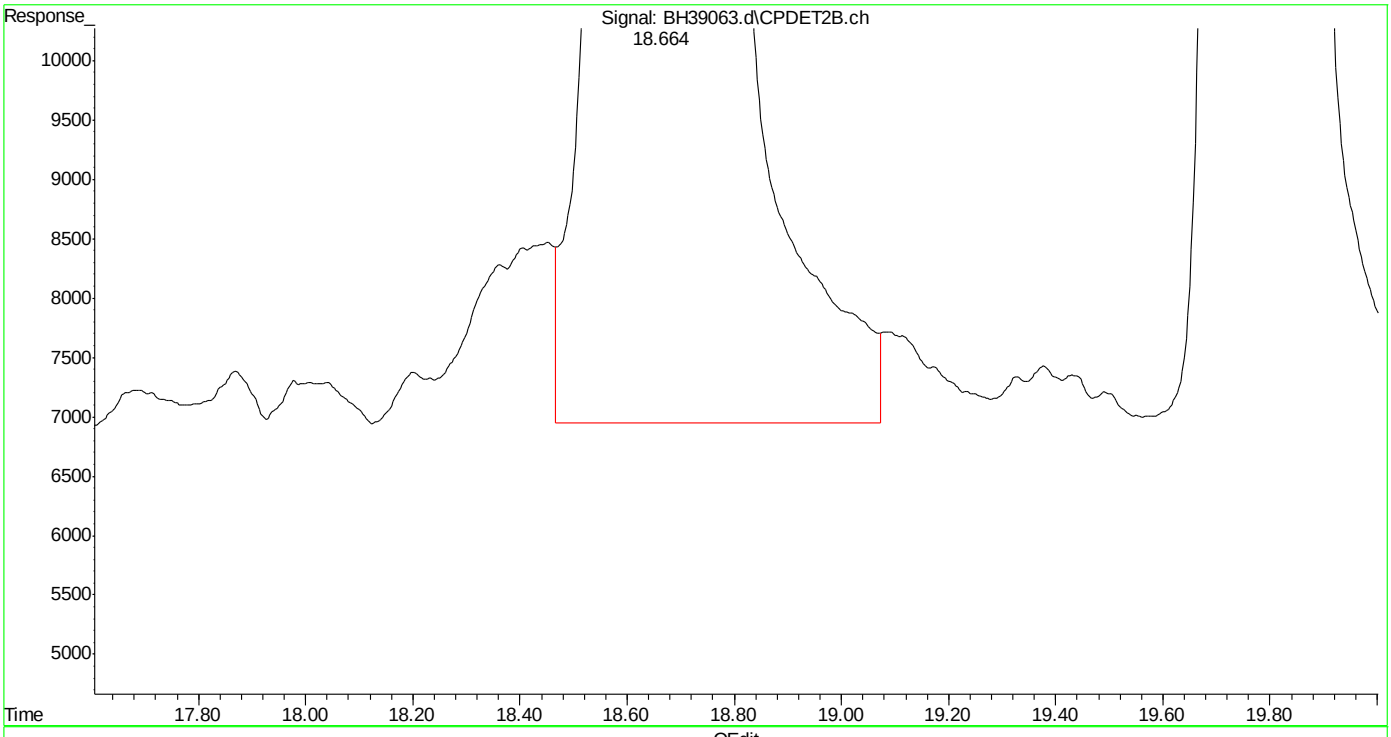
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:10:05 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.664min 50.010 ppb m
response 29136833

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:10:24 2016

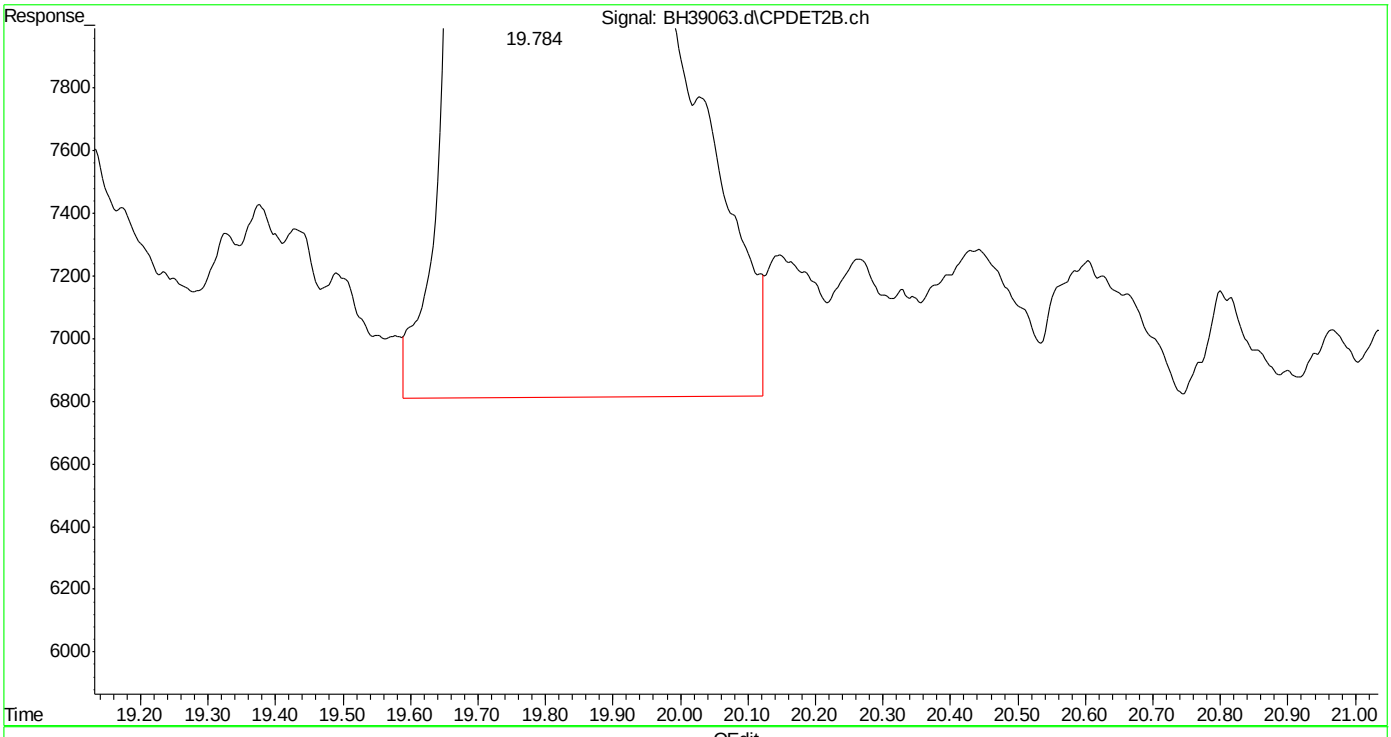
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.785min 50.253 ppb
response 11781153

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:10:31 2016

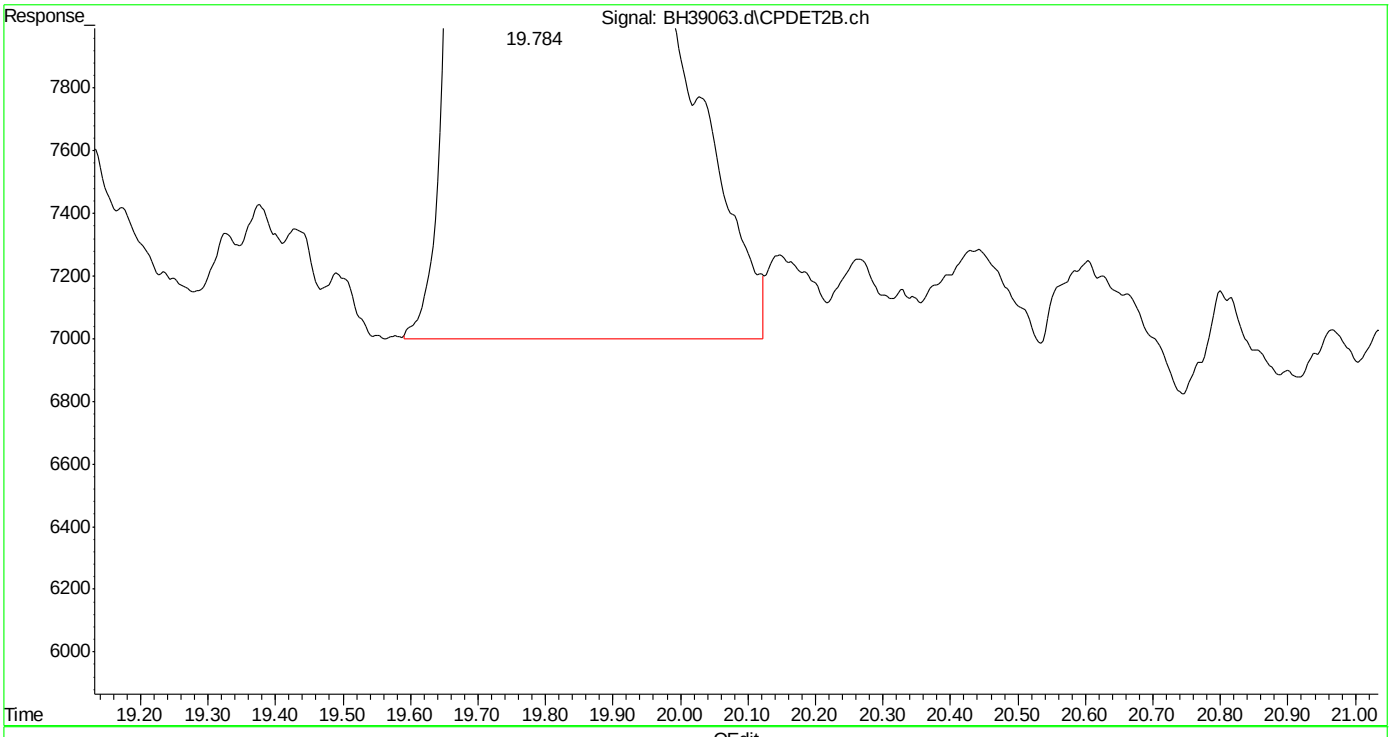
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.784min 50.002 ppb m
response 11722343

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:10:39 2016

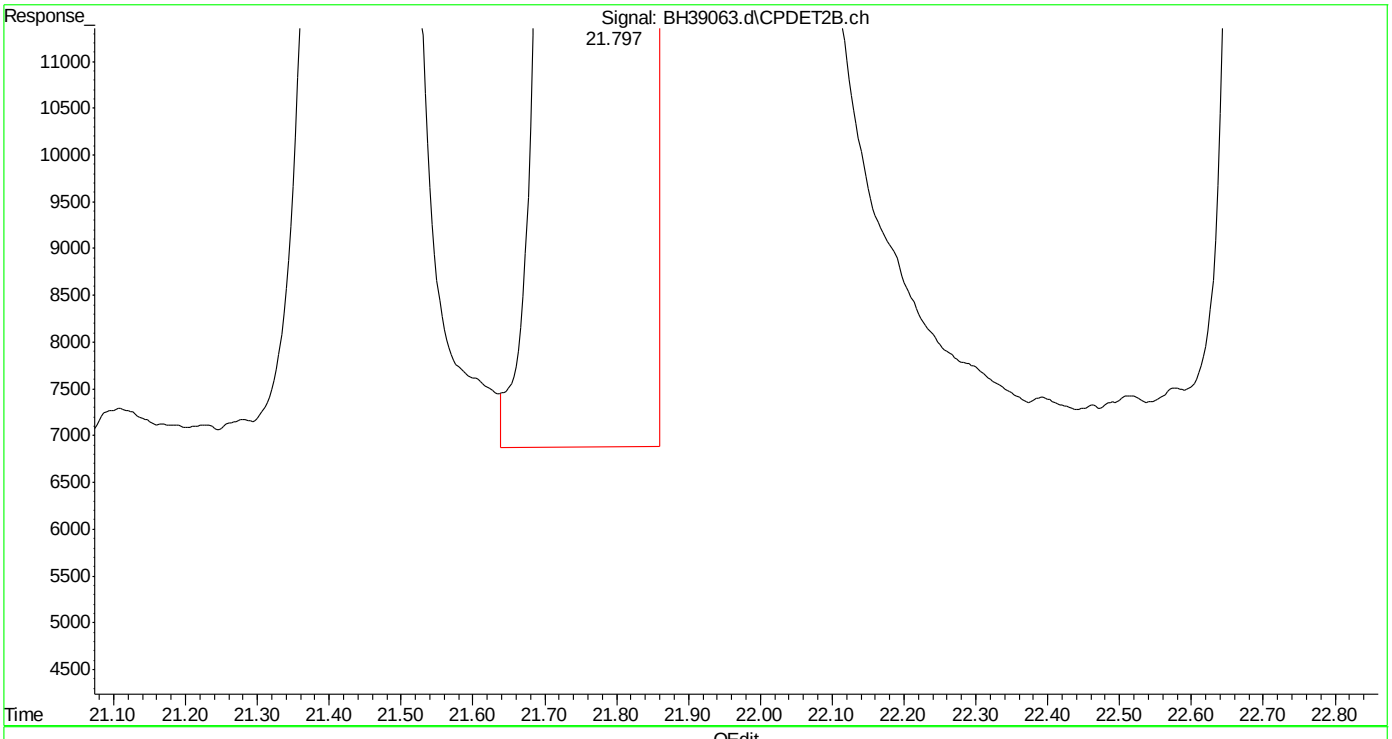
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.799min 50.028 ppb
response 25924513

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:10:48 2016

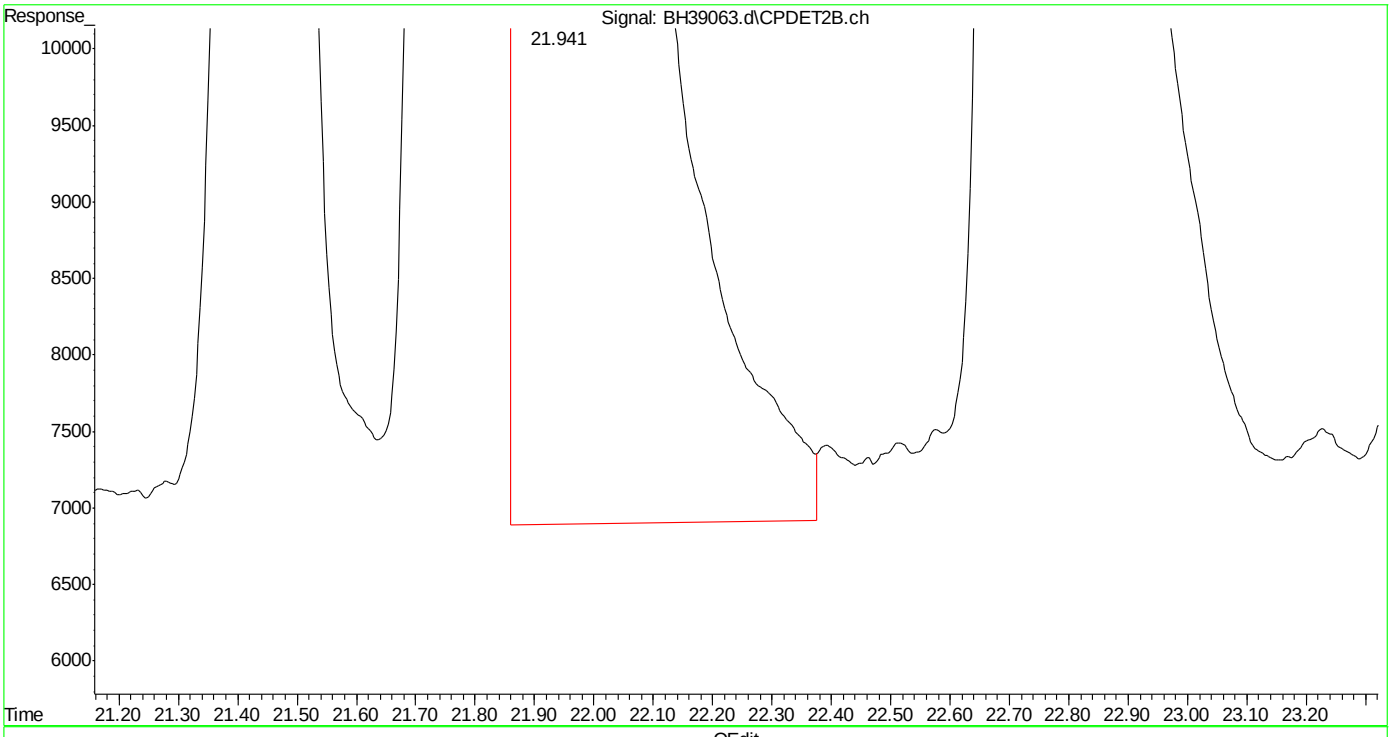
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 99.977 ppb
response 63774497

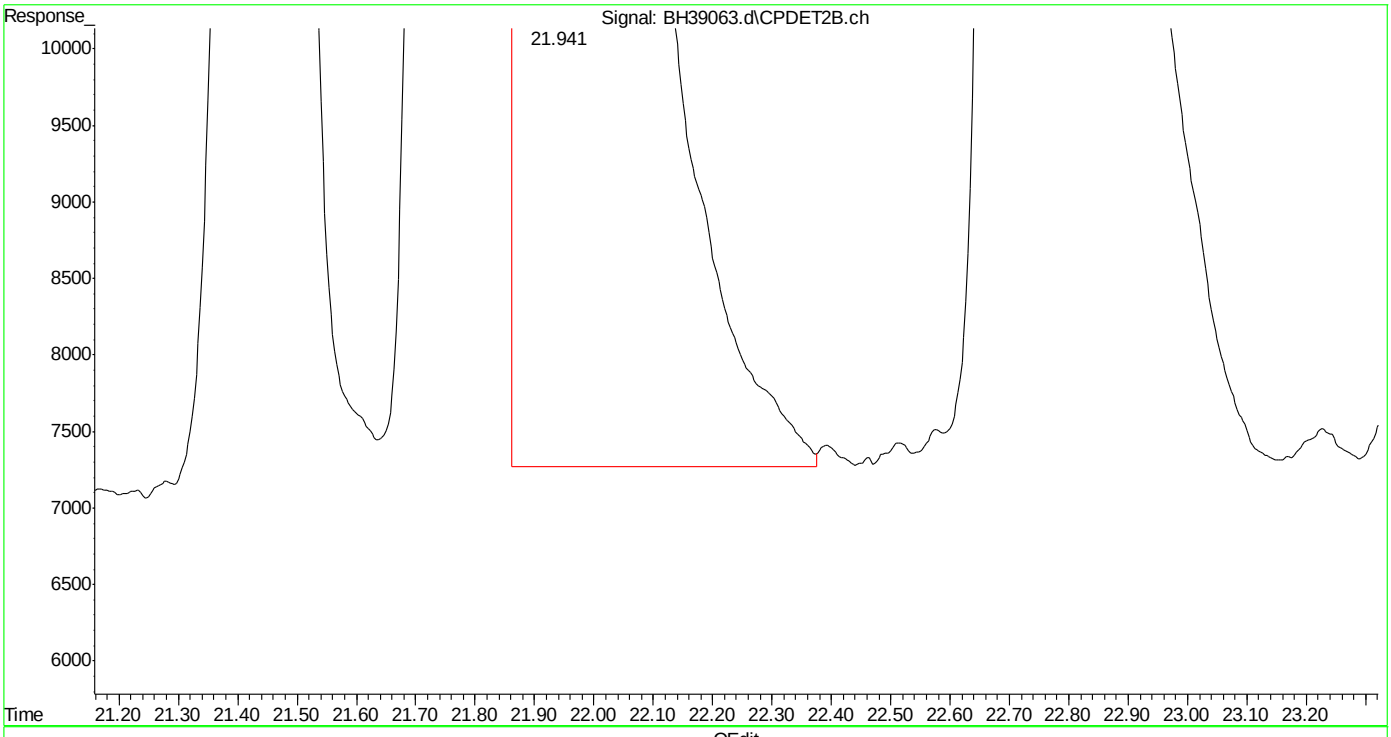
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:21:28 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.941min 99.388 ppb m
response 63398610

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:21:39 2016 Page: 1

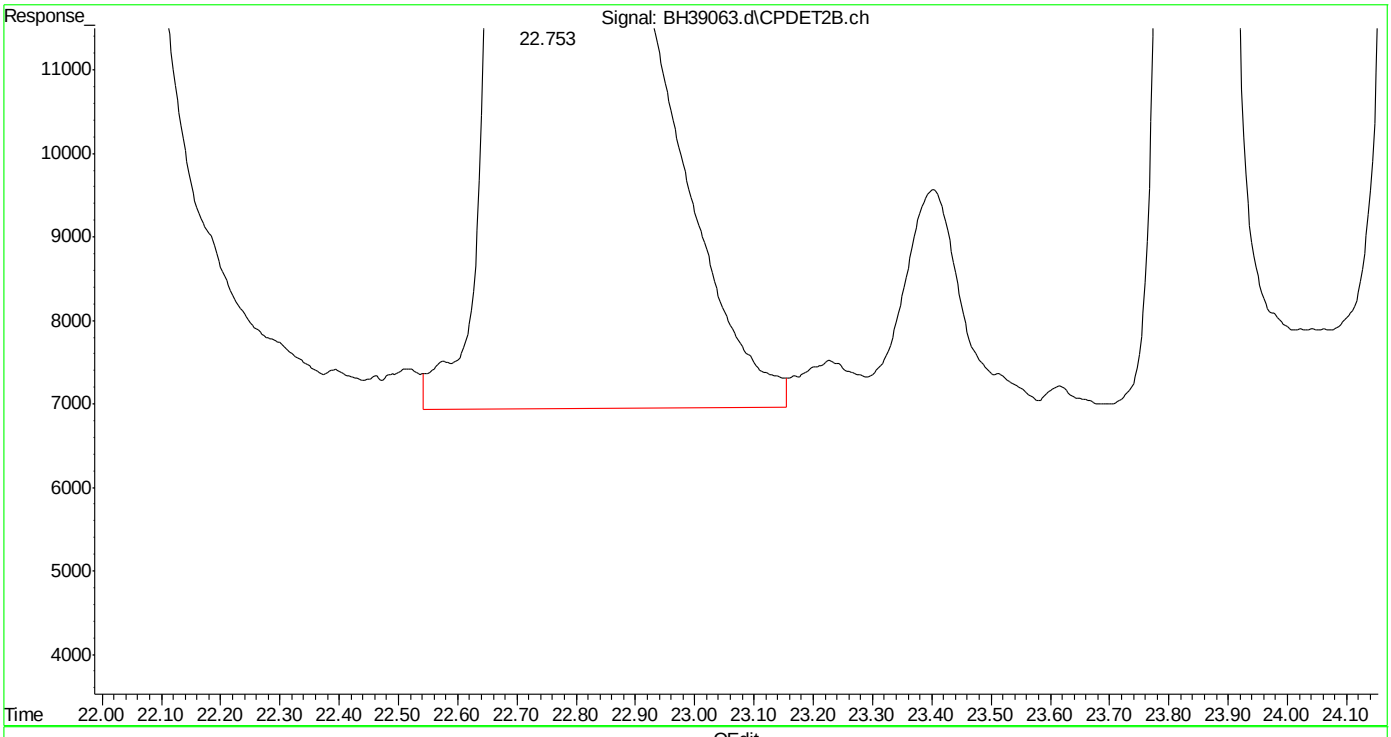
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.754min 50.244 ppb
response 27318522

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:21:46 2016

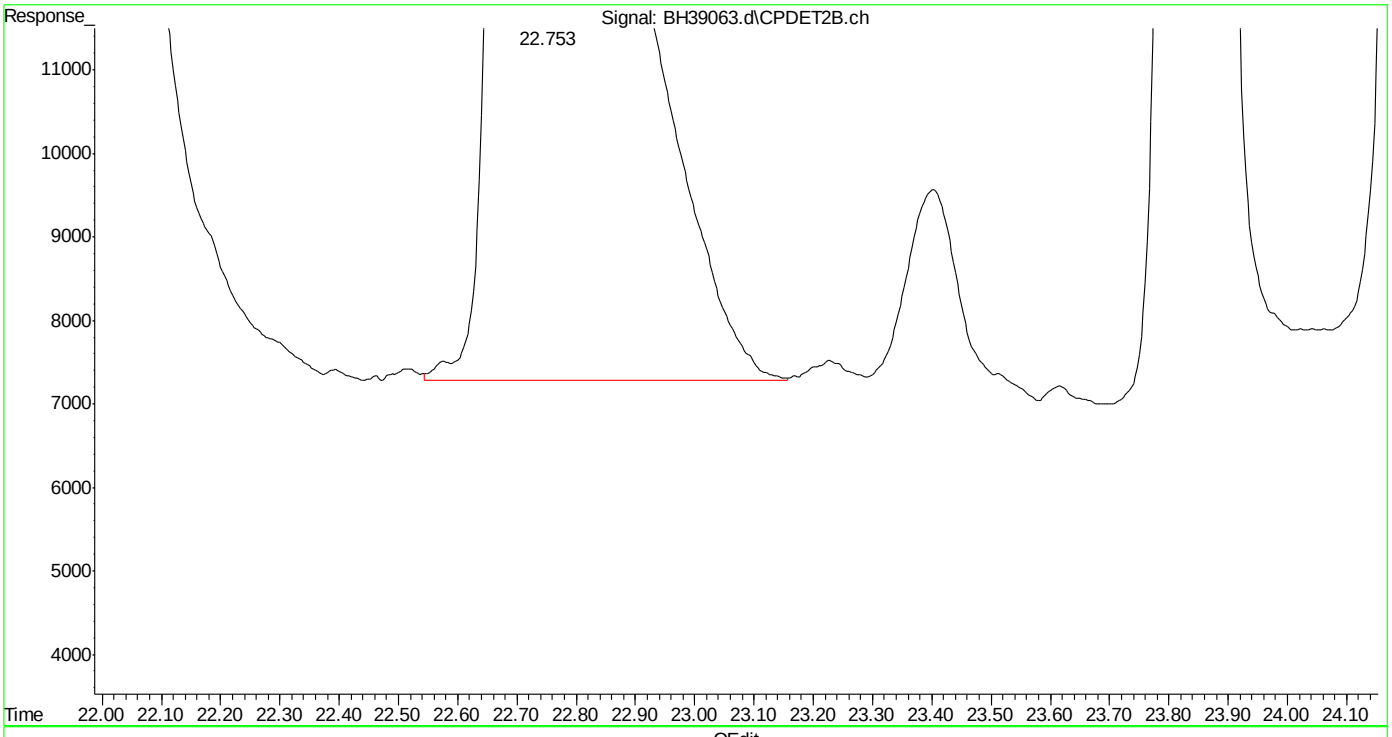
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.753min 50.018 ppb m
response 27195655

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:21:54 2016

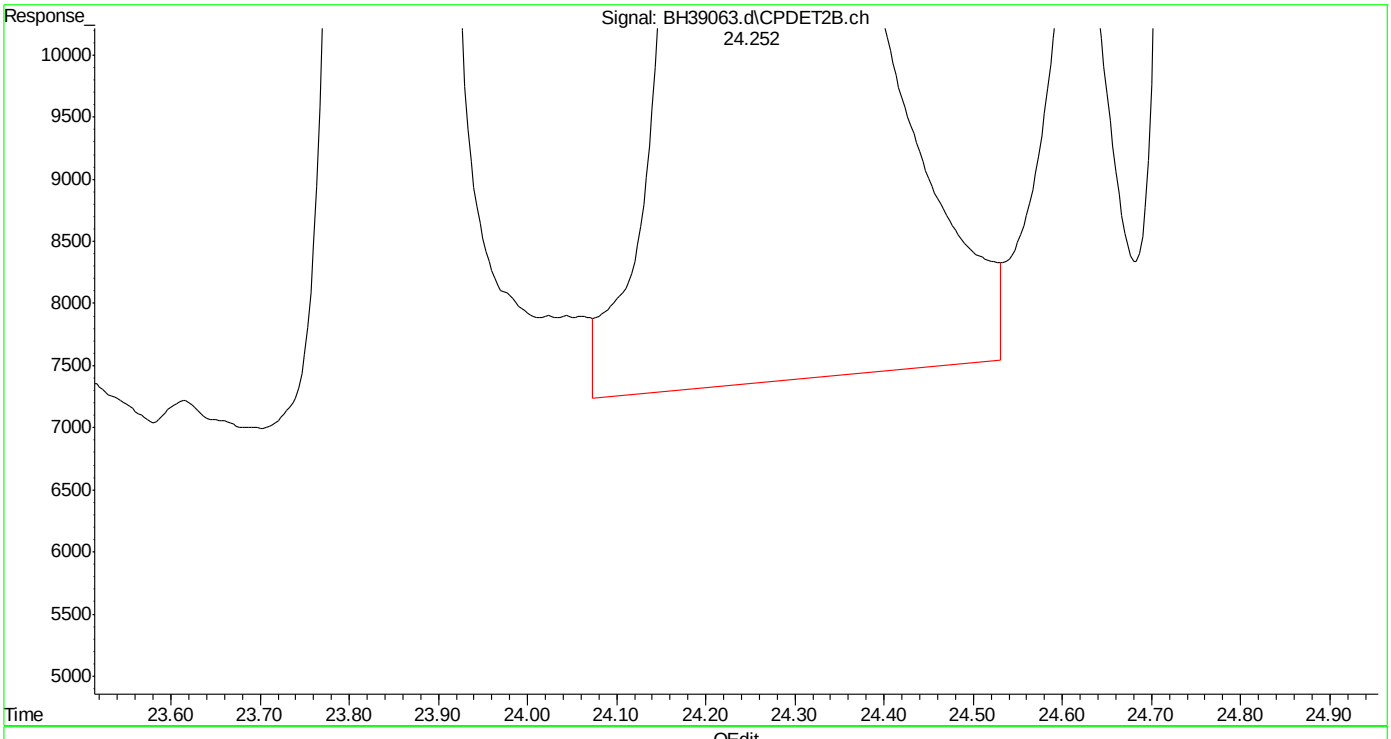
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.253min 49.862 ppb
response 39699525

(+) = Expected Retention Time

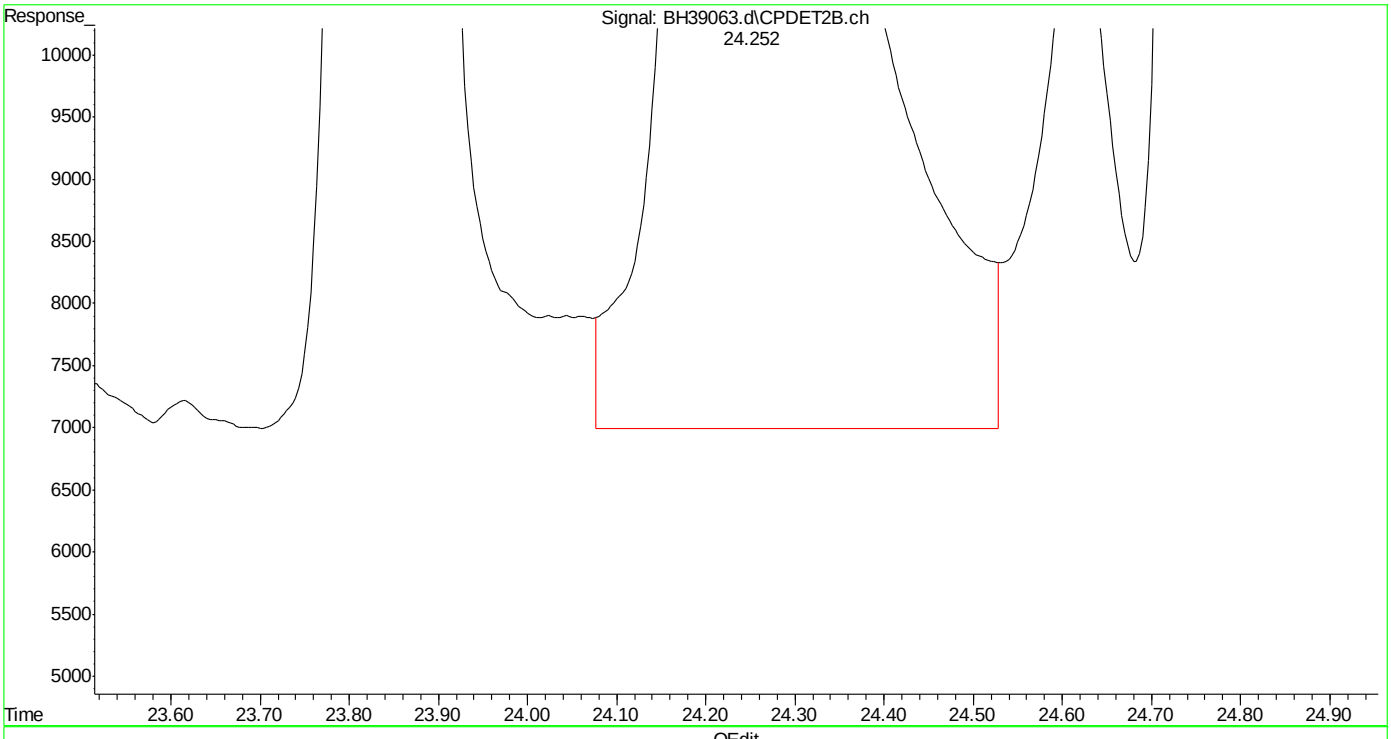
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.252min 49.995 ppb m
response 39805434

(+) = Expected Retention Time

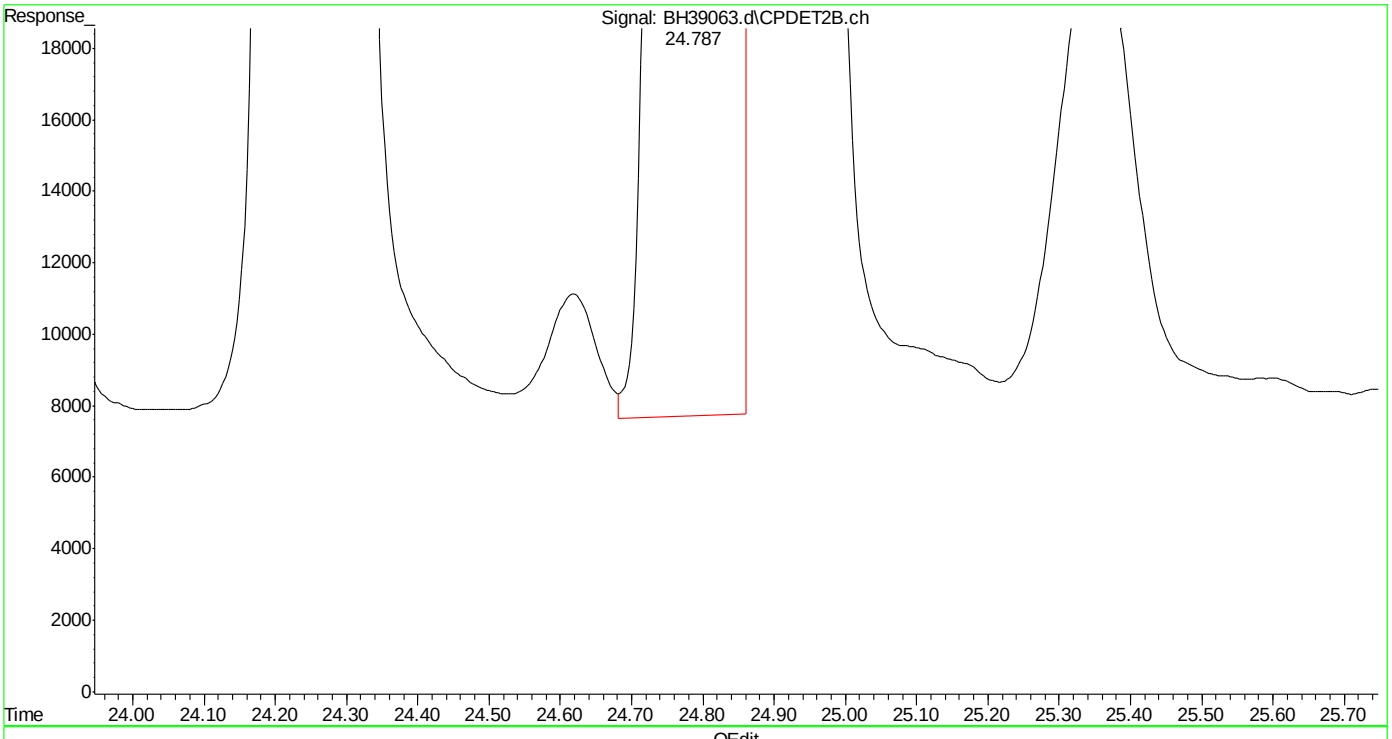
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 50.230 ppb
response 30241030

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:22:19 2016

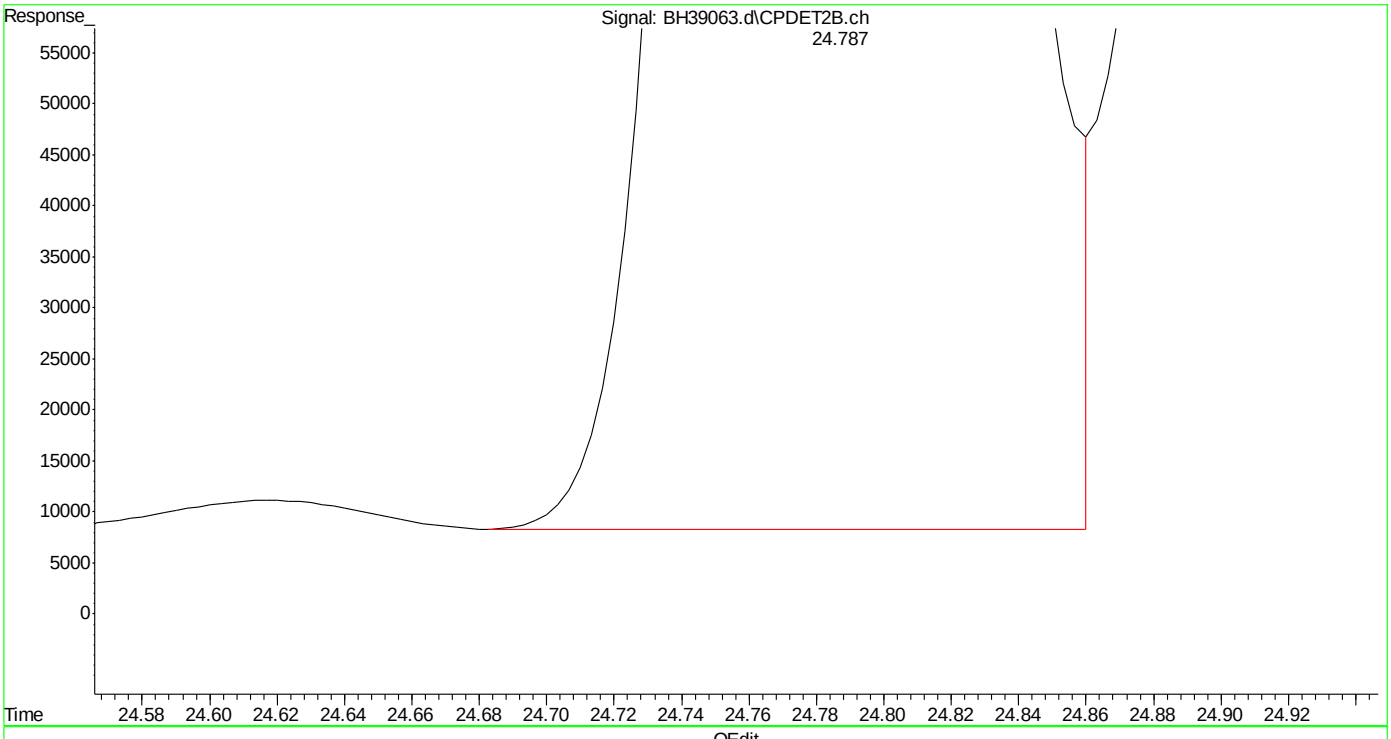
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.787min 50.004 ppb m
response 30104795

(+) = Expected Retention Time

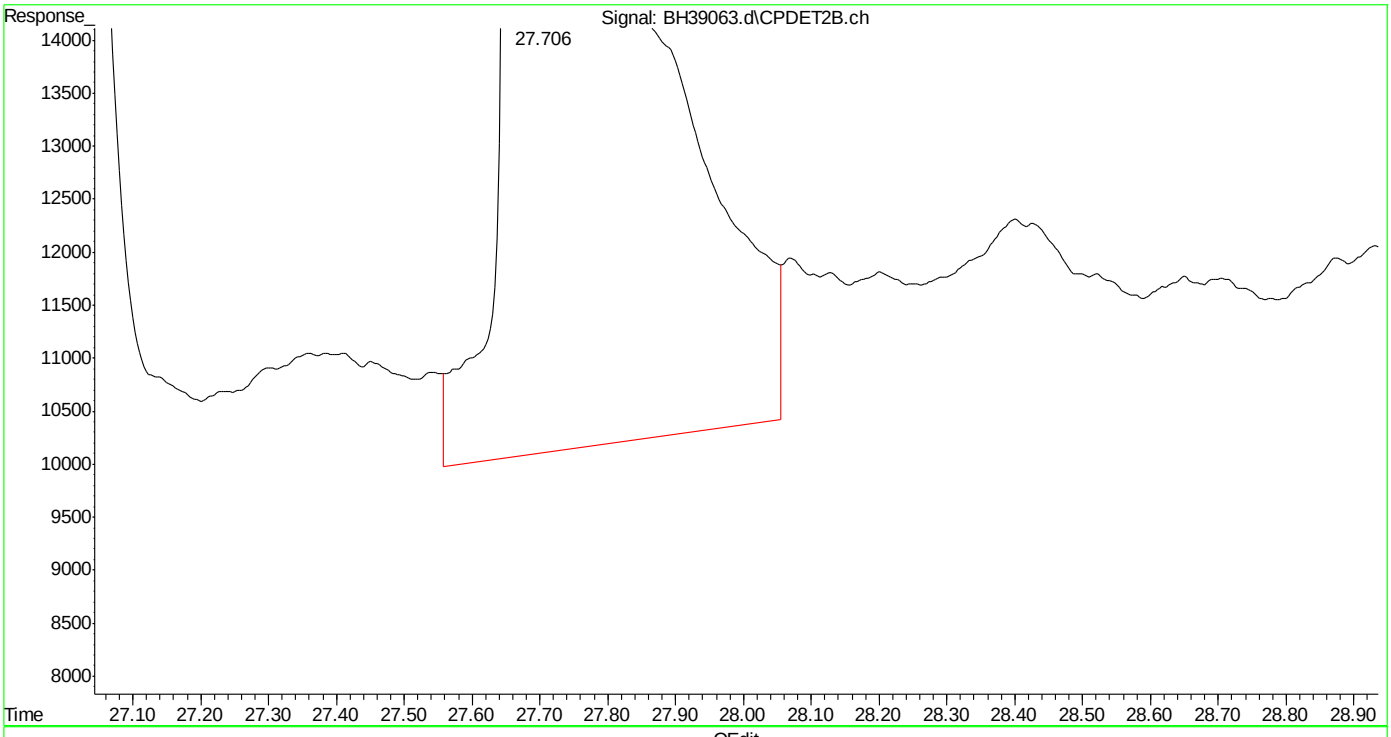
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 50.469 ppb
response 26949962

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:22:47 2016

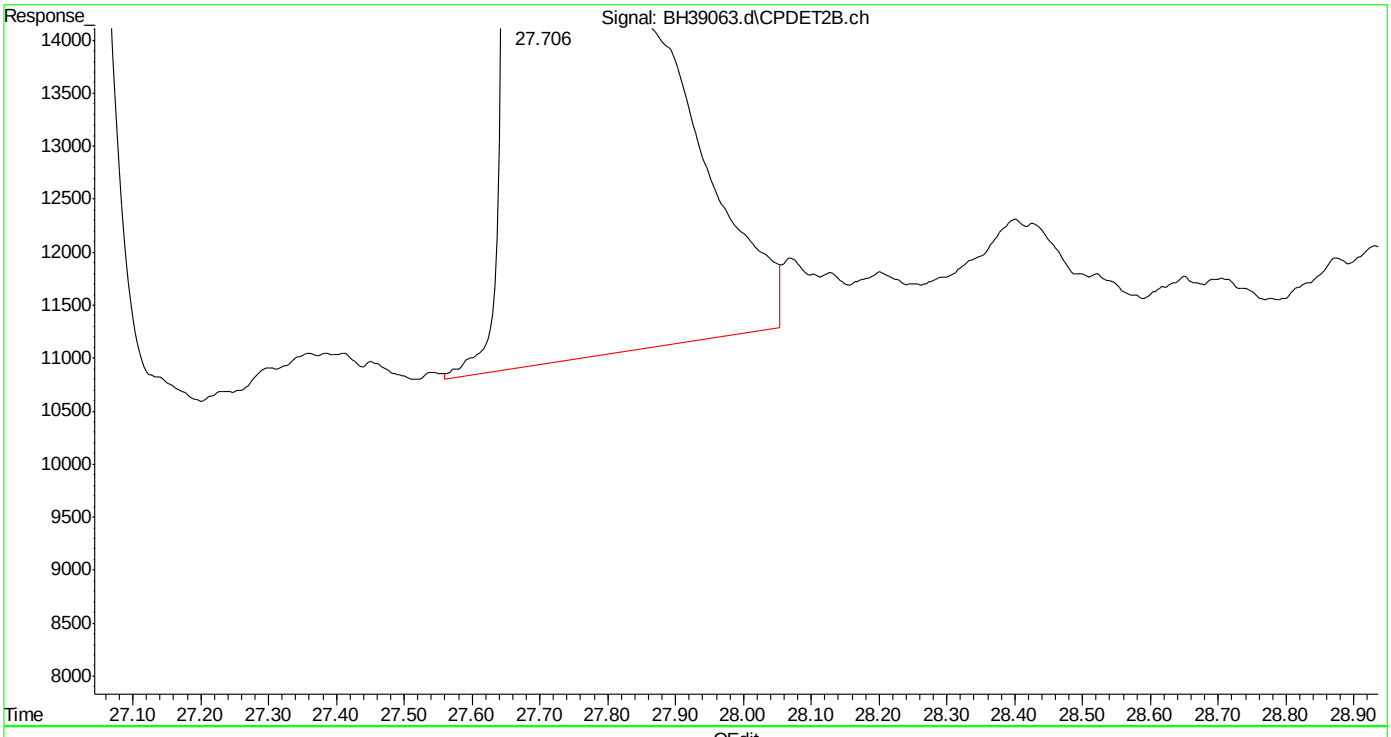
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:00:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.706min 49.999 ppb m
response 26699144

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:23:11 2016 Page: 1

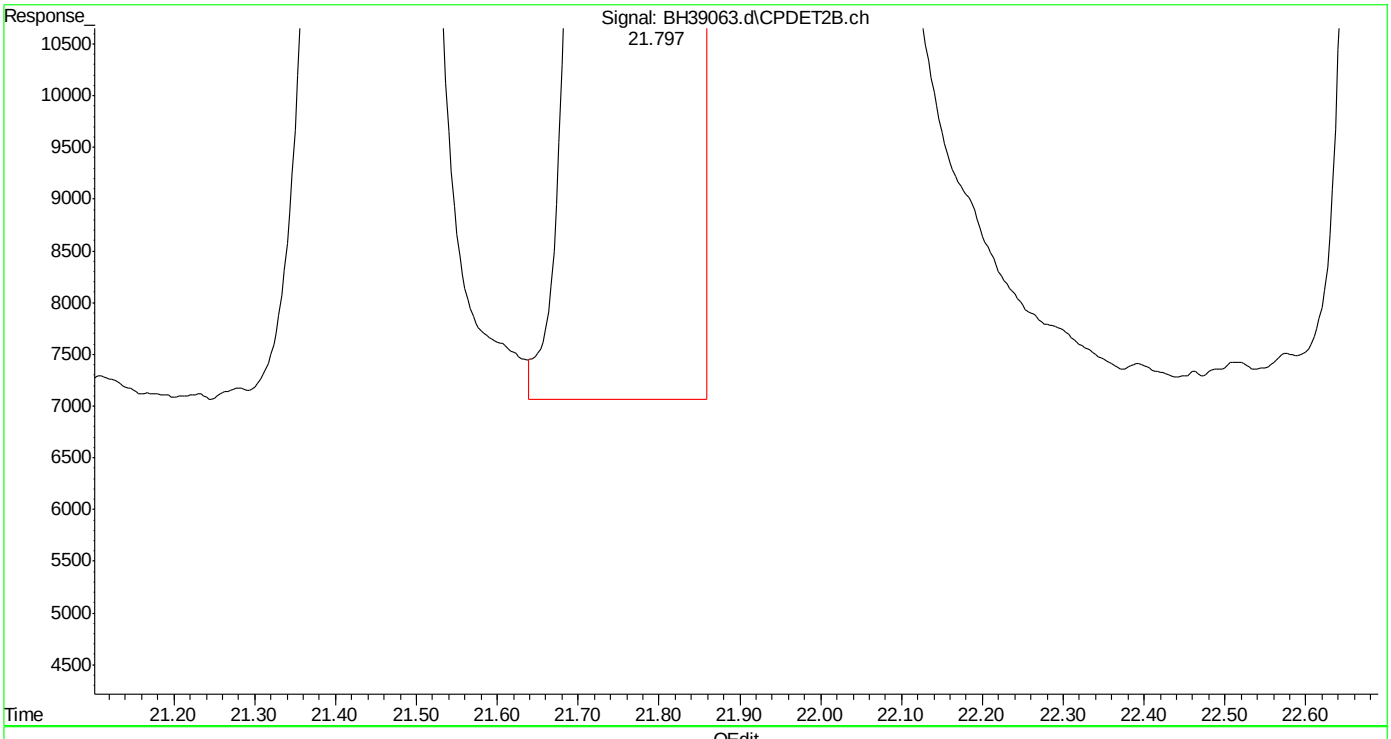
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39063.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:23 am
Operator : danielf
Sample : icc2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:23:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:00:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.797min 49.854 ppb m
response 25834701

(+) = Expected Retention Time

SGS ACCUTEST MC45857

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:37:03 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
6) s fluorobenzene	14.670	9818624	10.994 ppb	m
Spiked Amount 50.000		Recovery =	21.99%	
9) s 2,3,4-trifluorotoluene	19.783	8236074	11.140 ppb	m
Spiked Amount 50.000		Recovery =	22.28%	
25) s fluorobenzene #2	14.670	4240734	10.829 ppb	m
Spiked Amount 50.000		Recovery =	21.66%	
27) s 2,3,4-trifluorotoluen...	19.784	2534967	10.813 ppb	m
Spiked Amount 50.000		Recovery =	21.63%	
Target Compounds				
1) h rt5.5-7	5.980	9581328	11.306 ppb	m
2) h rt7/10	8.250	10531625	11.149 ppb	m
3) t mtbe	9.010	6423291	10.767 ppb	m
4) h rt10/13	13.360	12363230	11.206 ppb	m
5) t benzene	14.167	12406302	10.959 ppb	m
8) t toluene	18.664	12421737	10.974 ppb	m
11) h rt20/25	21.460	11134229	11.213 ppb	m
13) t ethylbenzene	21.798	12163498	10.840 ppb	m
14) t m,p-xylene	21.942	25572956	21.739 ppb	m
15) t o-xylene	22.753	13053689	11.017 ppb	m
16) h decane	23.856	11243264	11.199 ppb	m
17) t 1,3,5-trimethylbenzene	24.253	13523826	10.819 ppb	
18) t 1,2,4-trimethylbenzene	24.788	13738220	11.091 ppb	m
19) h butylcyclohexane	24.940	12162000	10.945 ppb	m
20) t naphthalene	27.707	8733820	11.069 ppb	m
23) t mtbe #2	9.017	3033740	10.849 ppb	m
24) t benzene #2	14.168	6815412	10.950 ppb	m
26) t toluene #2	18.664	6393156	10.971 ppb	m
28) t ethylbenzene #2	21.798	5628408	10.893 ppb	m
29) t m,p-xylene #2	21.941	13891872	21.912 ppb	m
30) t o-xylene #2	22.753	6067007	11.154 ppb	m
31) t 1,3,5-trimethylbenzen...	24.252	8567921	10.762 ppb	m
32) t 1,2,4-trimethylbenzen...	24.787	6615296	10.987 ppb	m
33) t naphthalene #2	27.707	6062976	11.354 ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	6573216	10.864 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

SGS ACCUTEST MC45857

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Data File : BH39064.d
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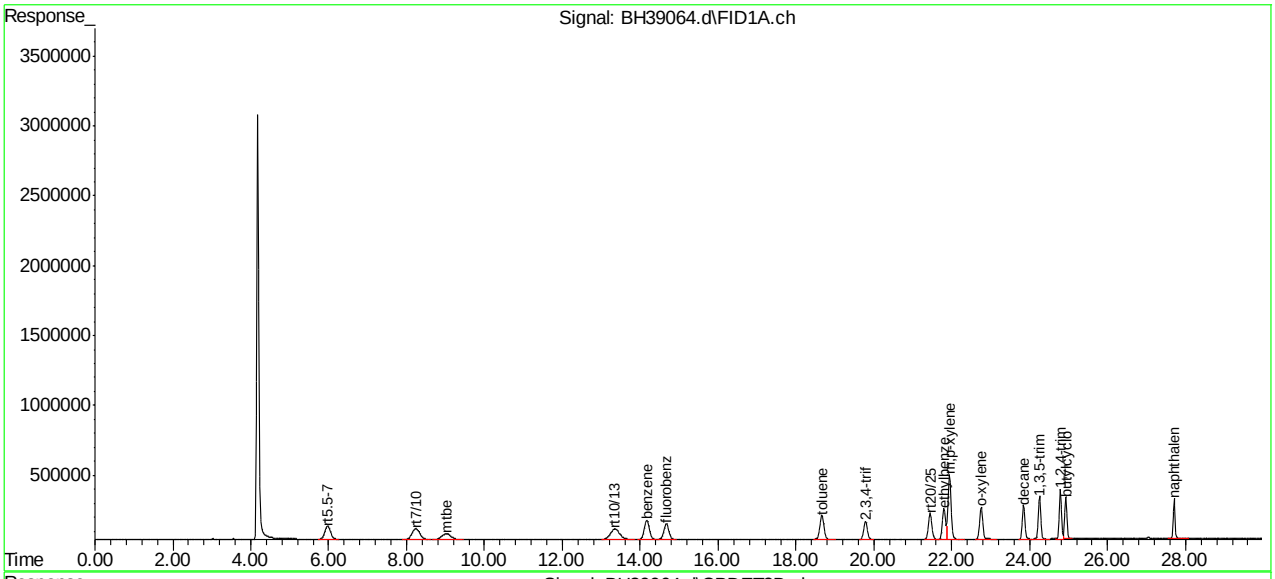
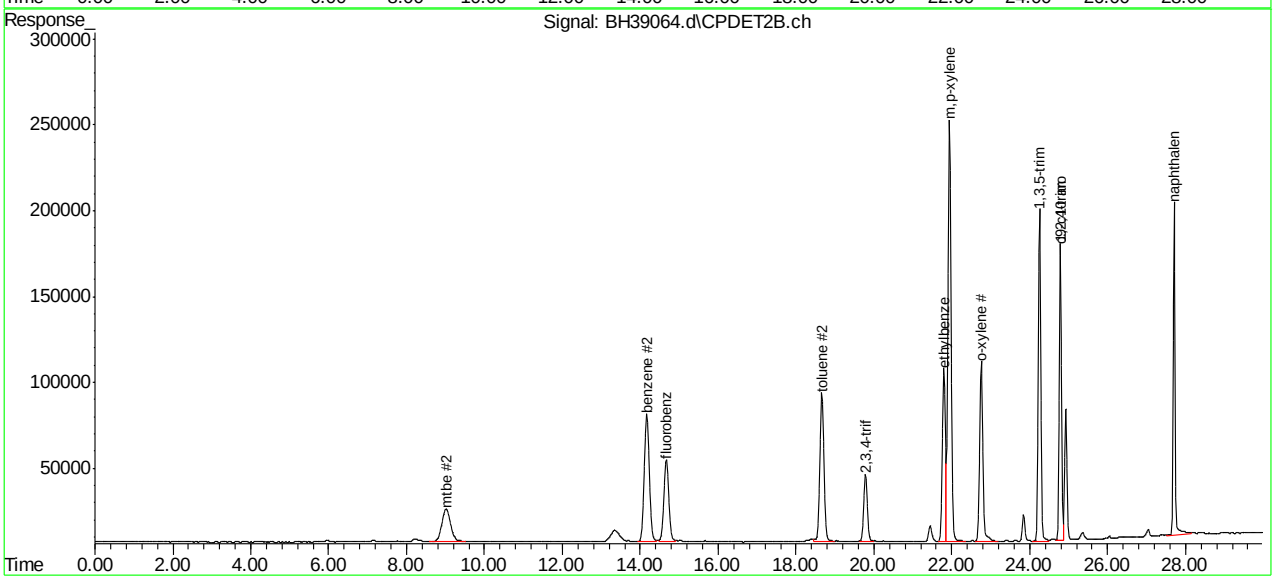
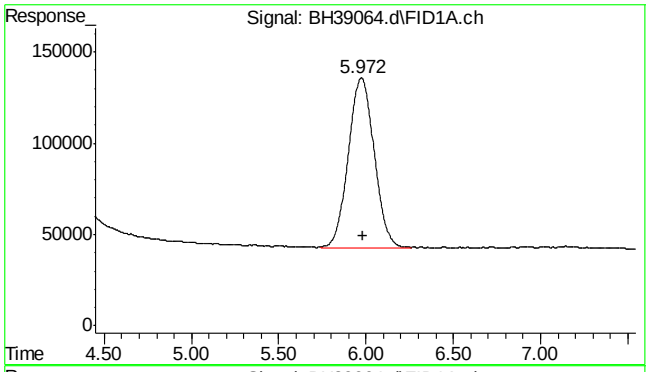
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

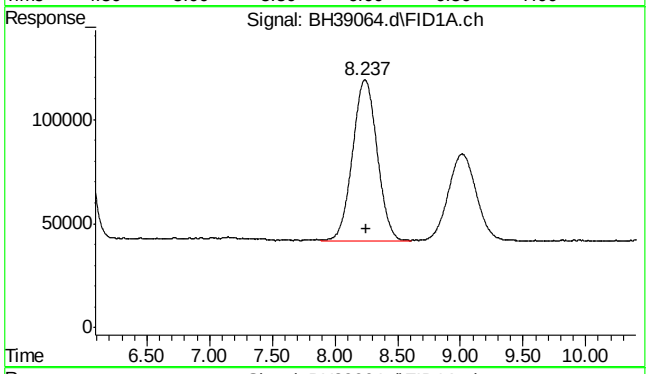






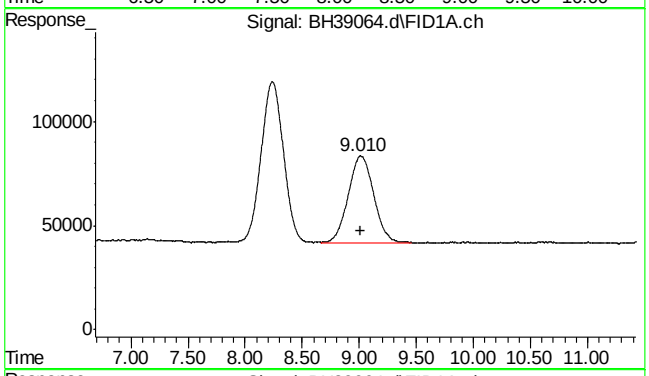
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 9581328
Conc: 11.31 ppb m



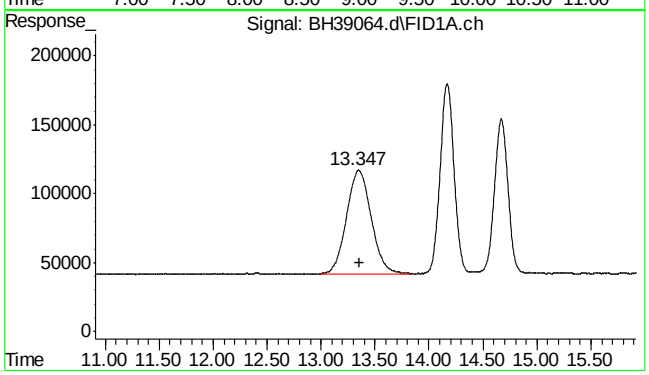
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 10531625
Conc: 11.15 ppb m



#3 mtbe

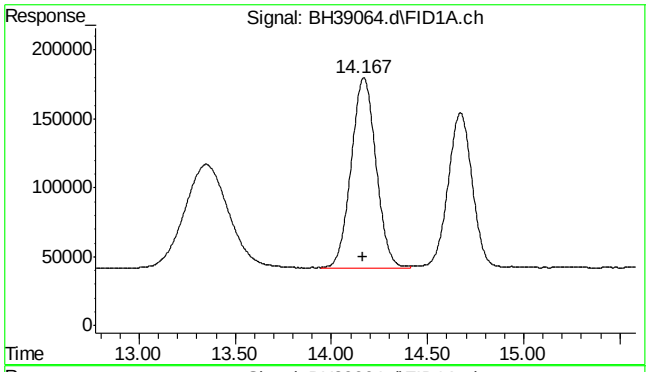
R.T.: 9.010 min
Delta R.T.: -0.003 min
Response: 6423291
Conc: 10.77 ppb m



#4 rt10/13

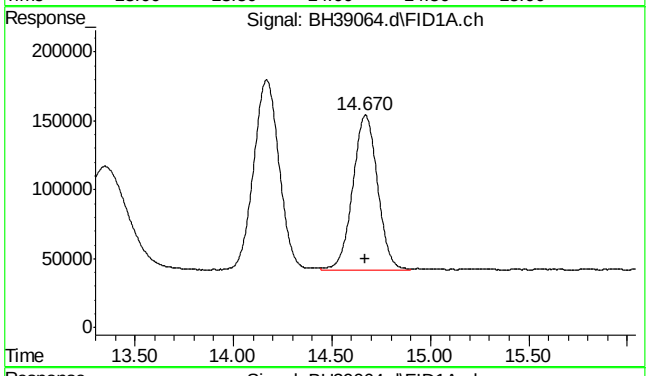
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 12363230
Conc: 11.21 ppb m

SGS ACCUTEST MC45857



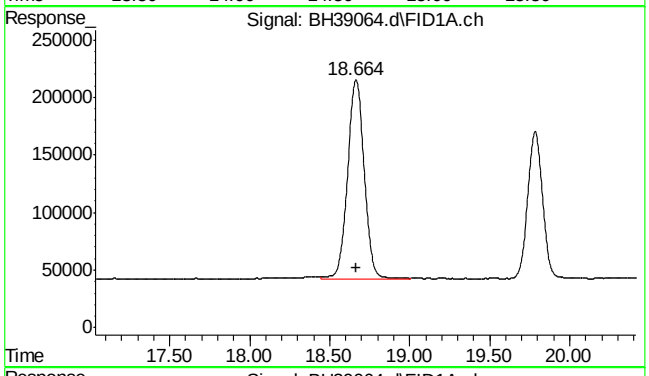
#5 benzene

R.T.: 14.167 min
Delta R.T.: 0.001 min
Response: 12406302
Conc: 10.96 ppb m



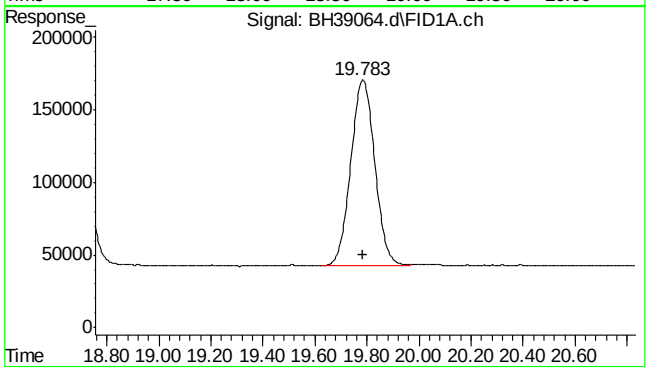
#6 fluorobenzene

R.T.: 14.670 min
Delta R.T.: 0.000 min
Response: 9818624
Conc: 10.99 ppb m



#8 toluene

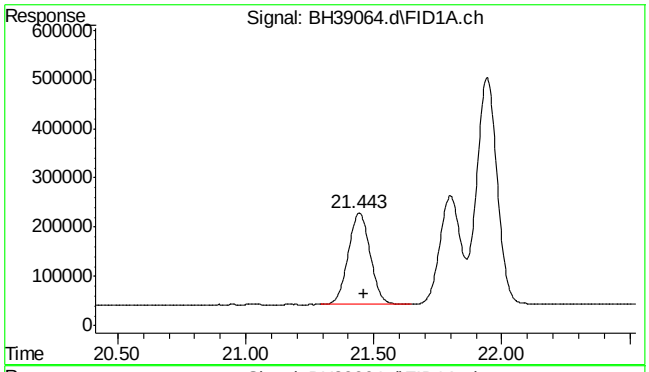
R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 12421737
Conc: 10.97 ppb m



#9 2,3,4-trifluorotoluene

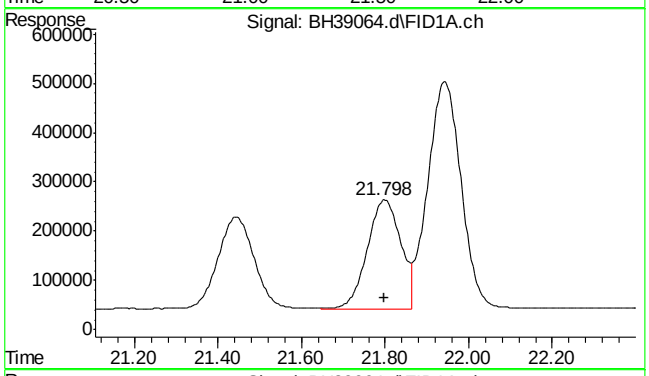
R.T.: 19.783 min
Delta R.T.: 0.000 min
Response: 8236074
Conc: 11.14 ppb m

SGS ACCUTEST MC45857



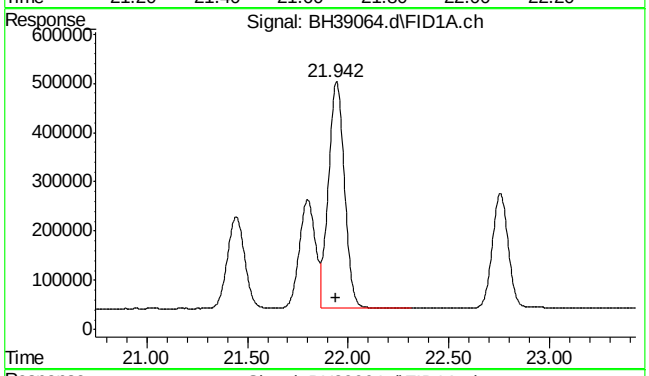
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 11134229
Conc: 11.21 ppb m



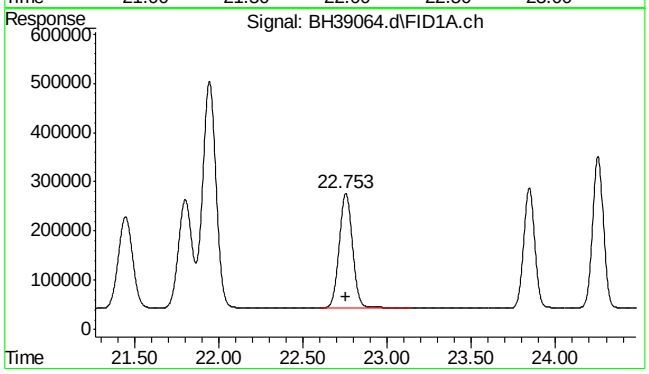
#13 ethylbenzene

R.T.: 21.798 min
Delta R.T.: 0.000 min
Response: 12163498
Conc: 10.84 ppb m



#14 m,p-xylene

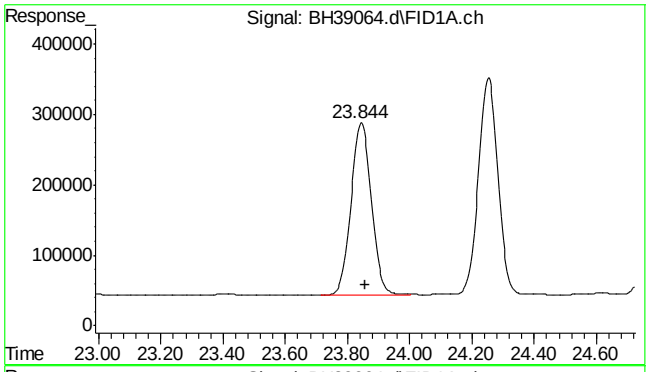
R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 25572956
Conc: 21.74 ppb m



#15 o-xylene

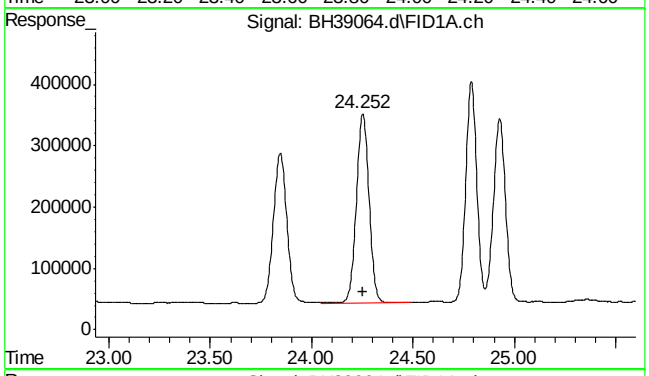
R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 13053689
Conc: 11.02 ppb m

SGS ACCUTEST MC45857



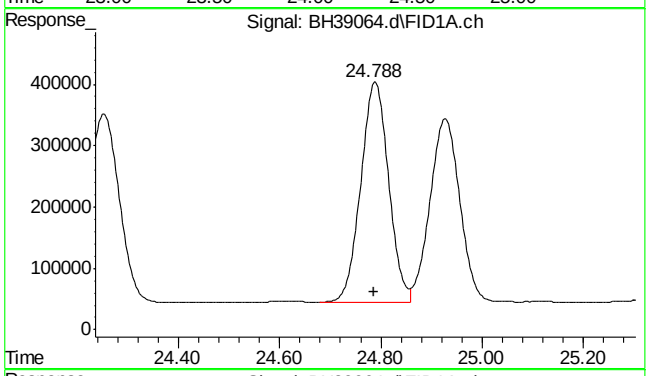
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 11243264
Conc: 11.20 ppb m



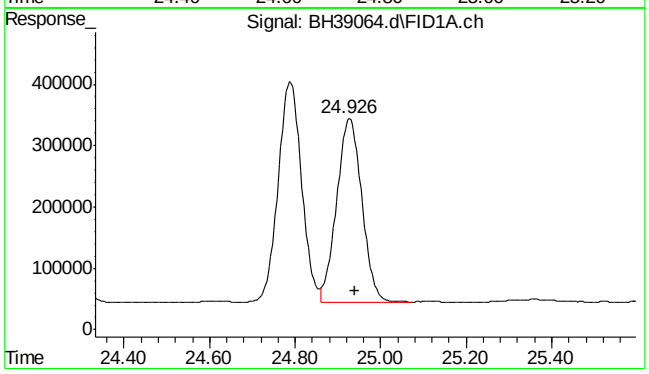
#17 1,3,5-trimethylbenzene

R.T.: 24.253 min
Delta R.T.: 0.001 min
Response: 13523826
Conc: 10.82 ppb



#18 1,2,4-trimethylbenzene

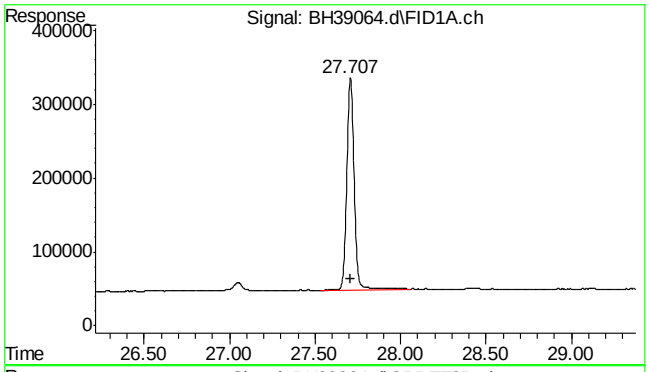
R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 13738220
Conc: 11.09 ppb m



#19 butylcyclohexane

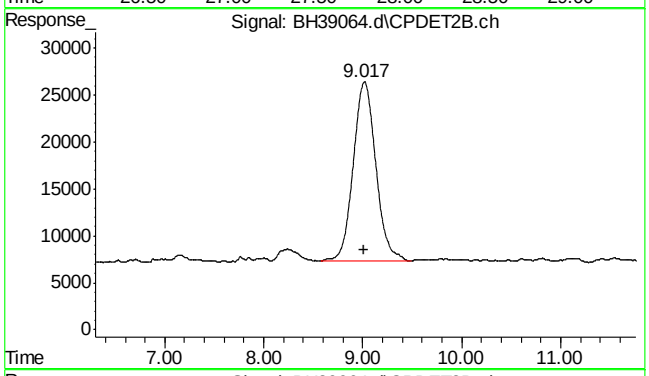
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 12162000
Conc: 10.95 ppb m

SGS ACCUTEST MC45857



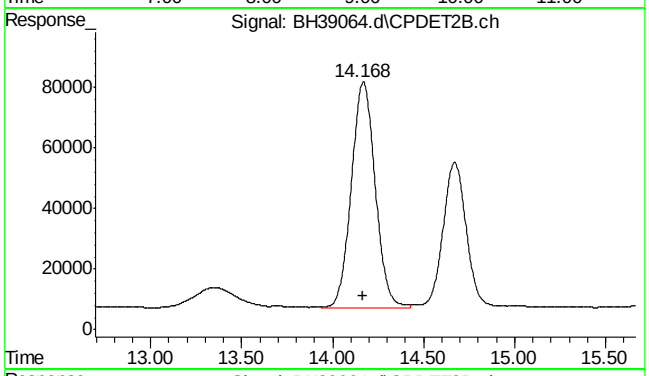
#20 naphthalene

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 8733820
Conc: 11.07 ppb m



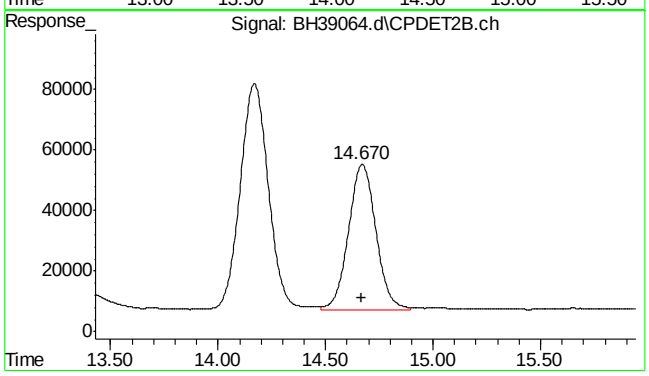
#23 mtbe #2

R.T.: 9.017 min
Delta R.T.: 0.004 min
Response: 3033740
Conc: 10.85 ppb m



#24 benzene #2

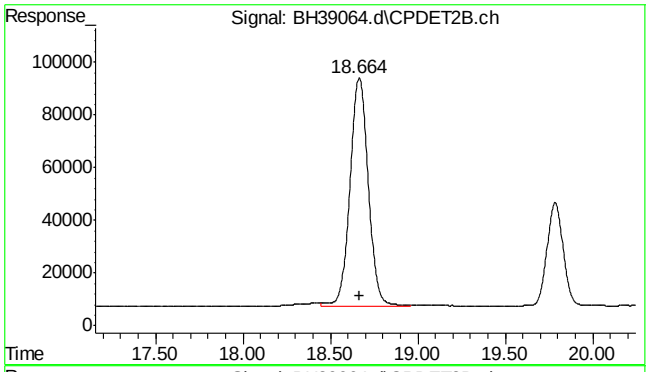
R.T.: 14.168 min
Delta R.T.: 0.001 min
Response: 6815412
Conc: 10.95 ppb m



#25 fluorobenzene #2

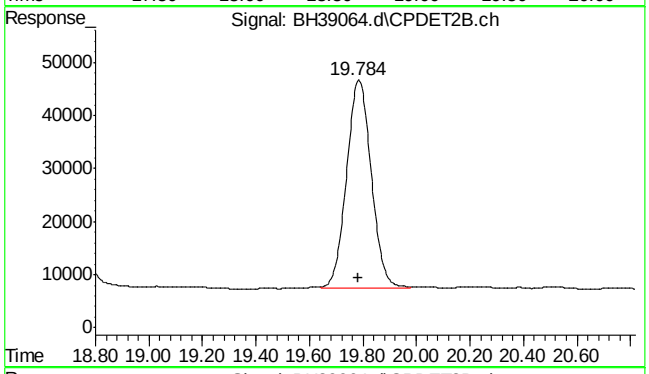
R.T.: 14.670 min
Delta R.T.: 0.002 min
Response: 4240734
Conc: 10.83 ppb m

SGS ACCUTEST MC45857



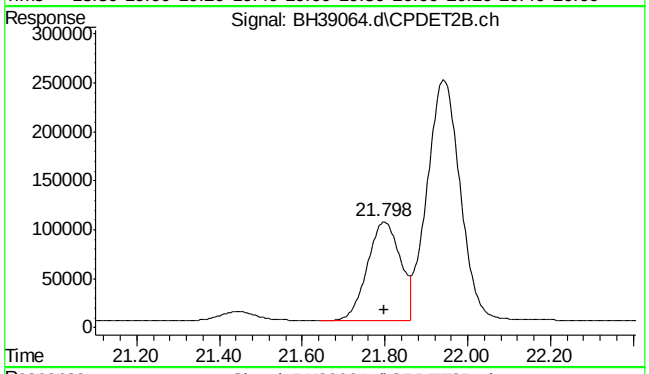
#26 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 6393156
Conc: 10.97 ppb m



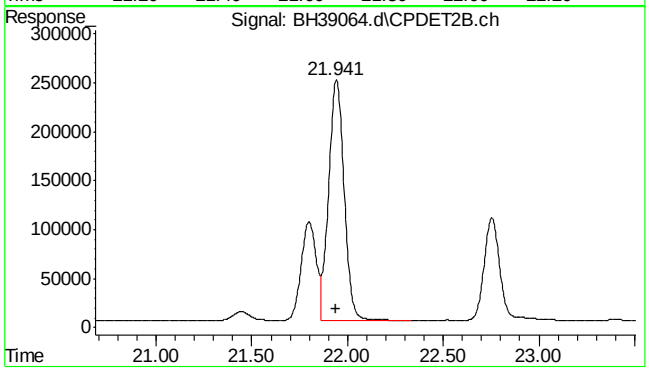
#27 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 2534967
Conc: 10.81 ppb m



#28 ethylbenzene #2

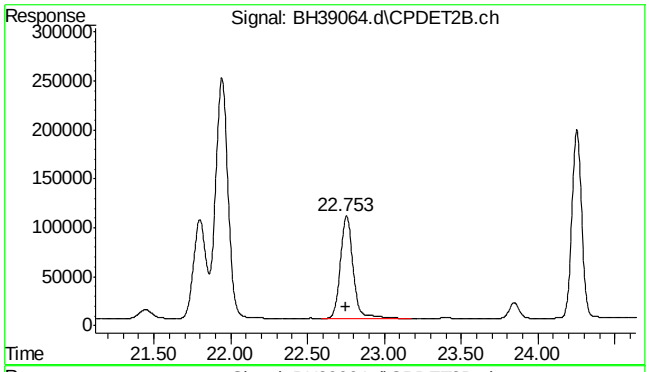
R.T.: 21.798 min
Delta R.T.: 0.000 min
Response: 5628408
Conc: 10.89 ppb m



#29 m,p-xylene #2

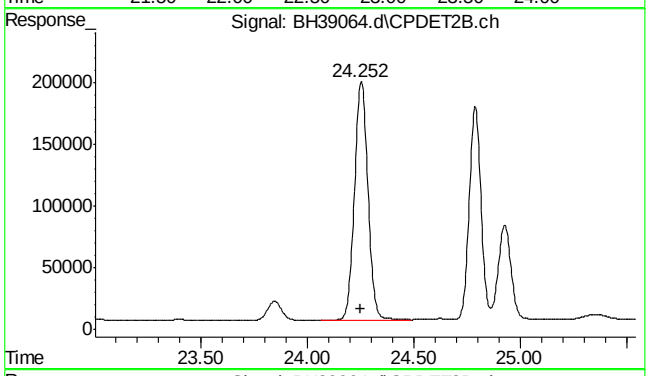
R.T.: 21.941 min
Delta R.T.: 0.000 min
Response: 13891872
Conc: 21.91 ppb m

SGS ACCUTEST MC45857



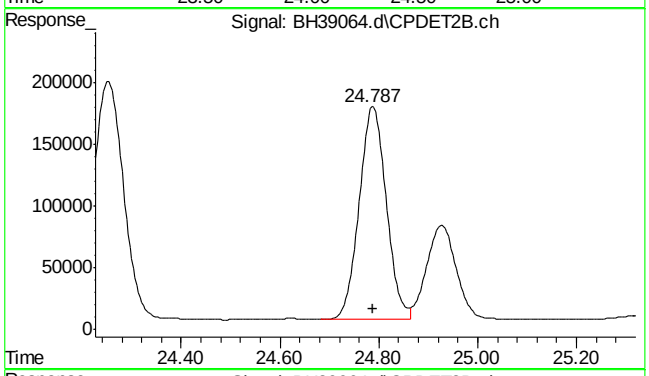
#30 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 6067007
Conc: 11.15 ppb m



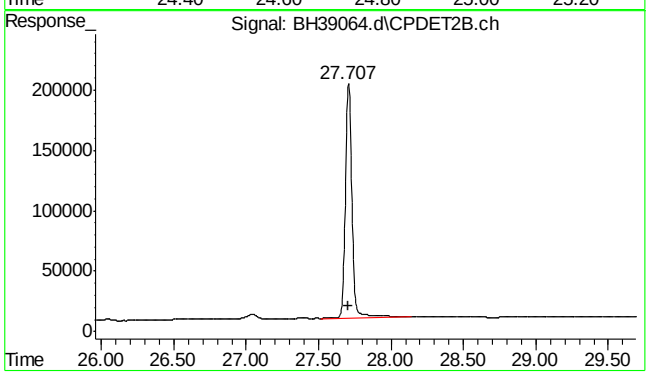
#31 1,3,5-trimethylbenzene #2

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 8567921
Conc: 10.76 ppb m



#32 1,2,4-trimethylbenzene #2

R.T.: 24.787 min
Delta R.T.: 0.000 min
Response: 6615296
Conc: 10.99 ppb m



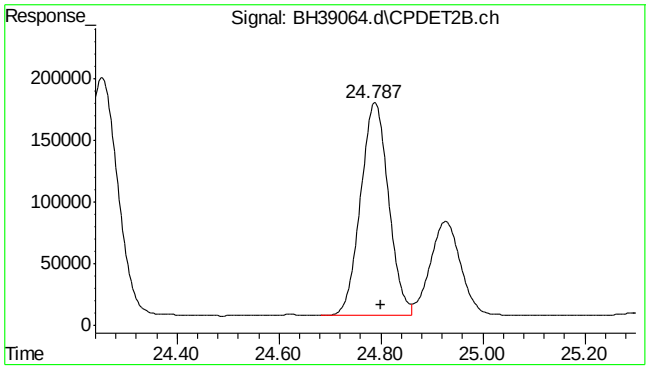
#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 6062976
Conc: 11.35 ppb m

7.5.6

7

SGS ACCUTEST MC45857



#34 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 6573216
Conc: 10.86 ppb m

7.5.6

7

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

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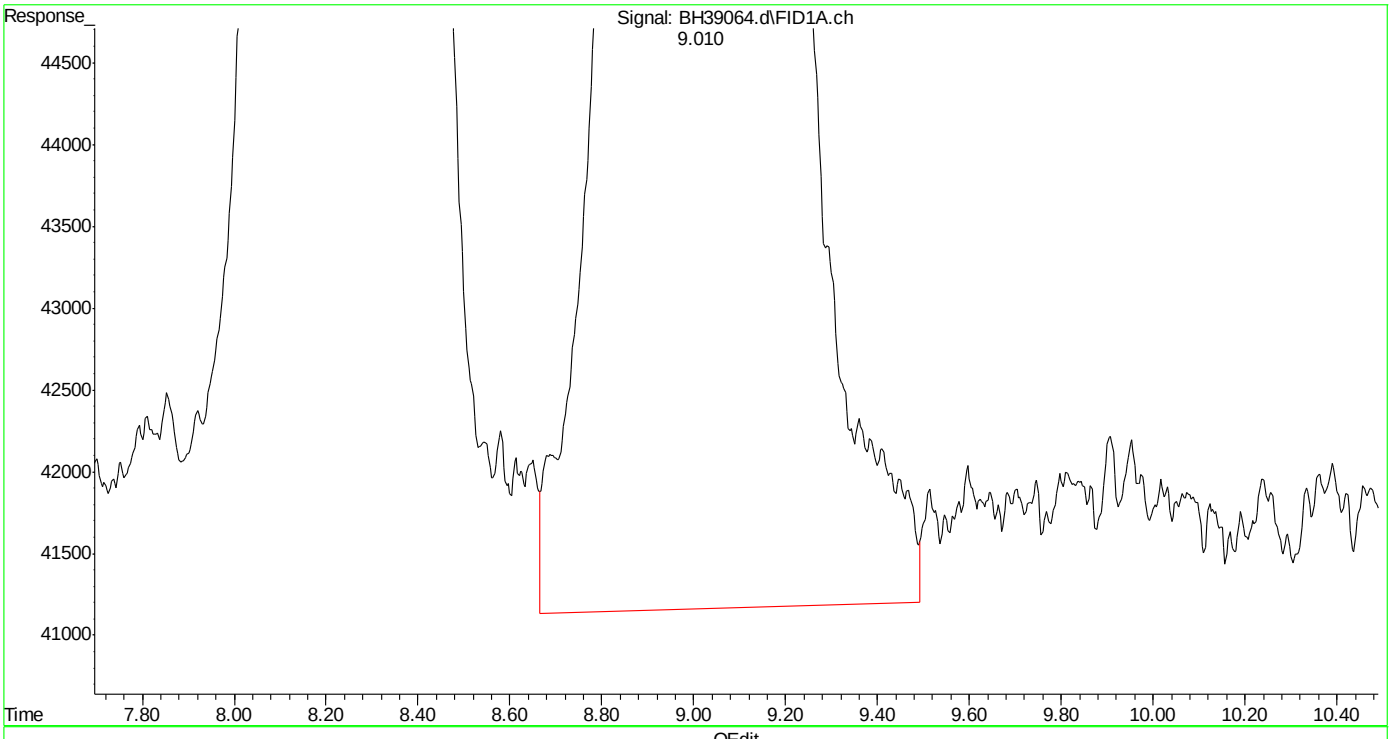
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.013min 11.333 ppb
response 6760396

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:30:32 2016 Page: 1

Quantitation Report (Qedit)

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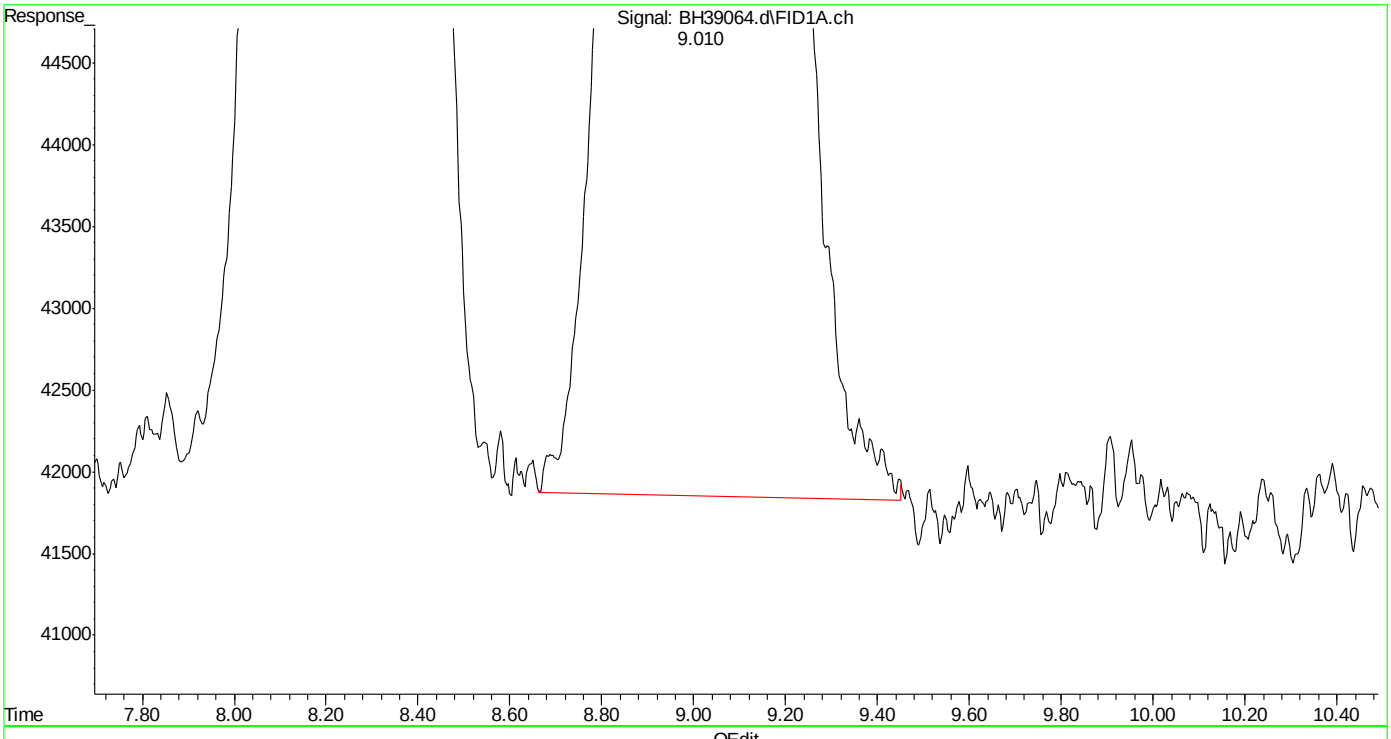
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.010min 10.767 ppb m
response 6423291

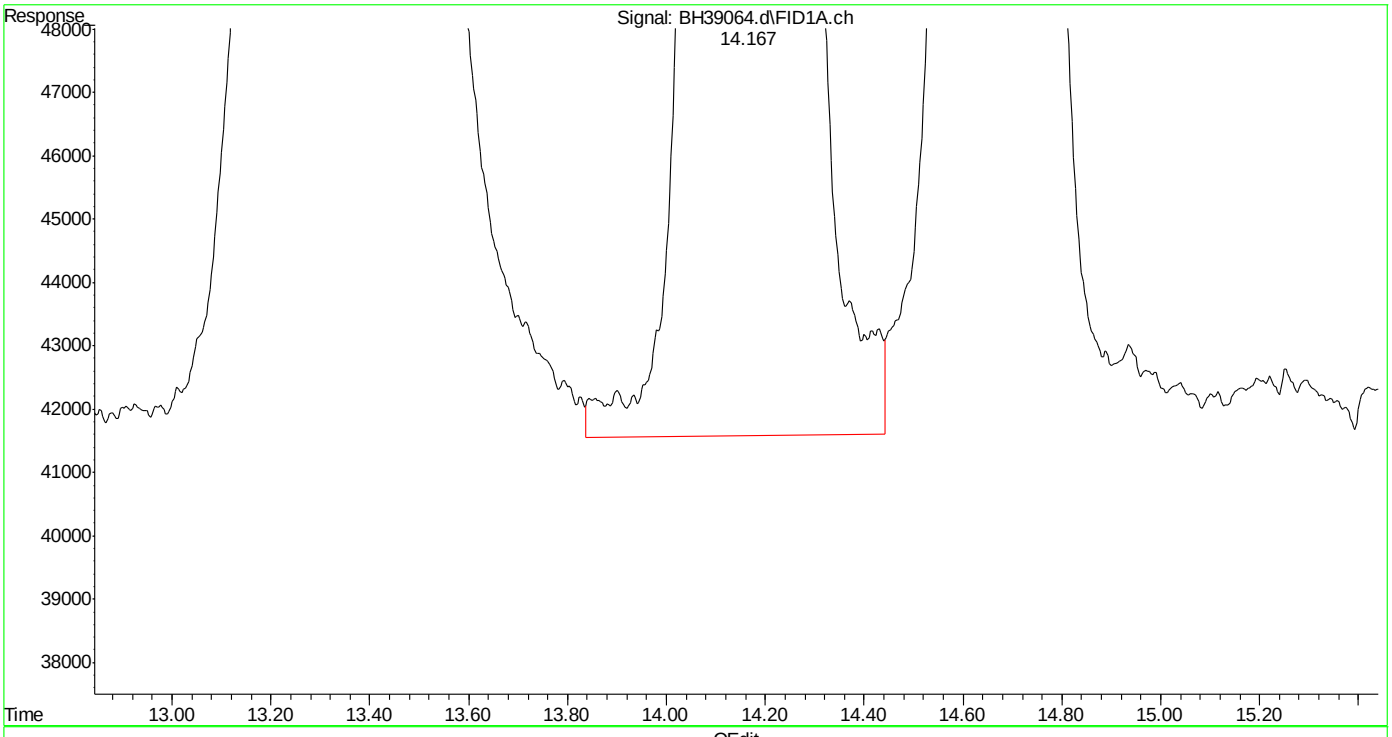
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:30:43 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.169min 11.120 ppb
response 12589346

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:30:54 2016 Page: 1

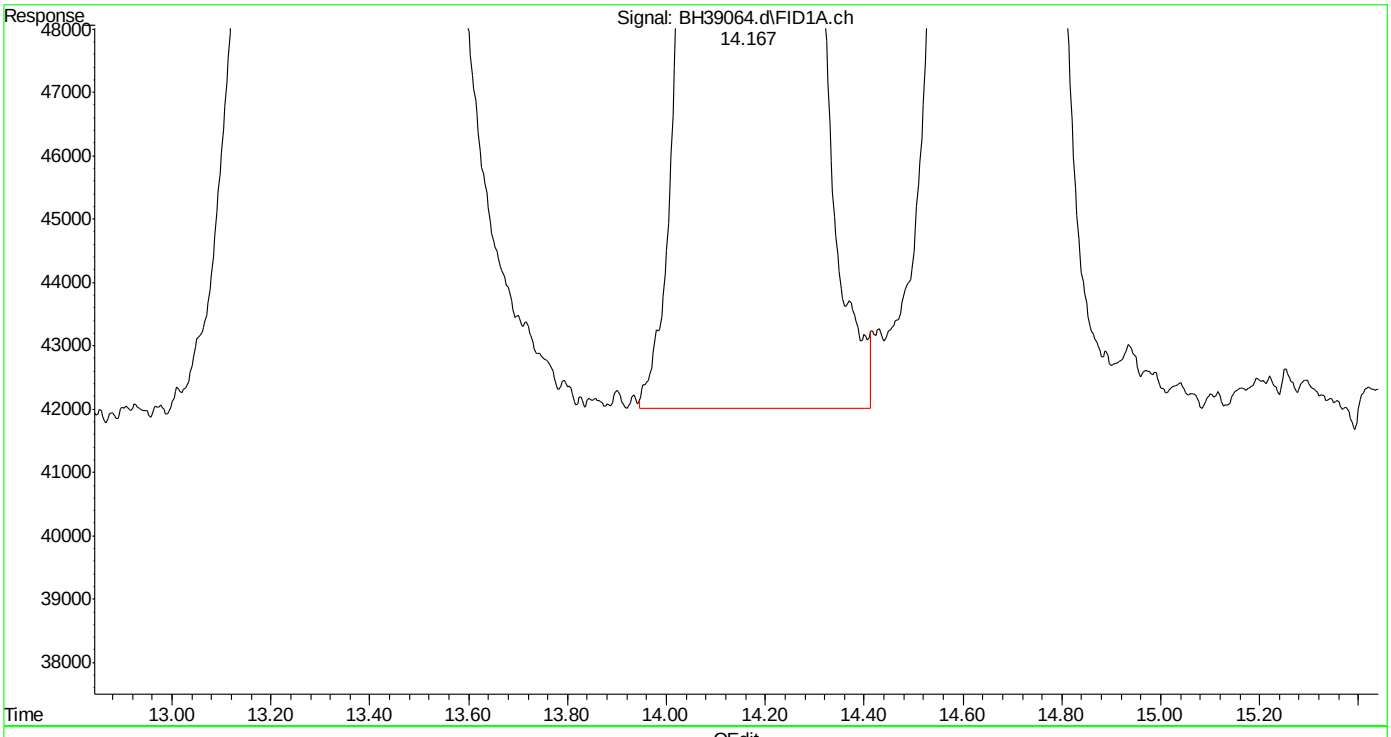
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.167min 10.959 ppb m
response 12406302

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:03 2016 Page: 1

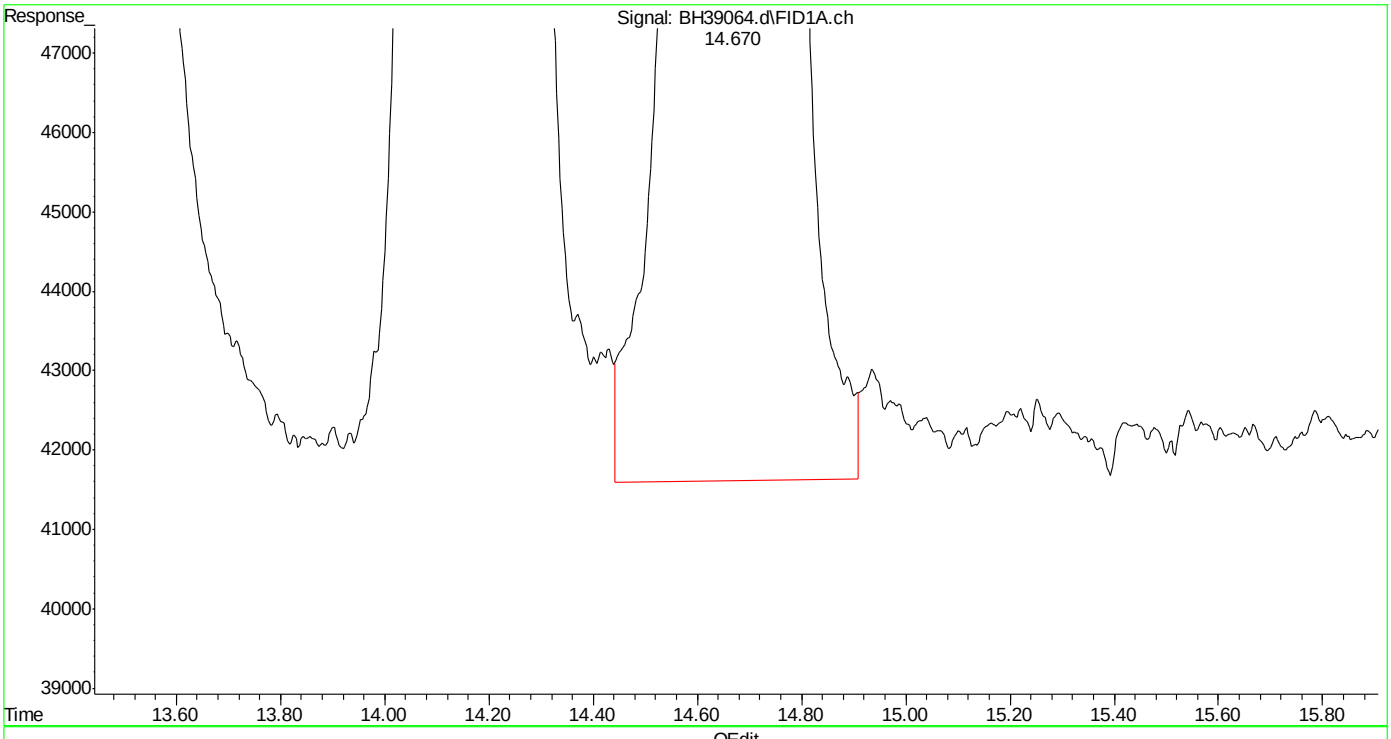
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.671min 11.125 ppb
response 9935535

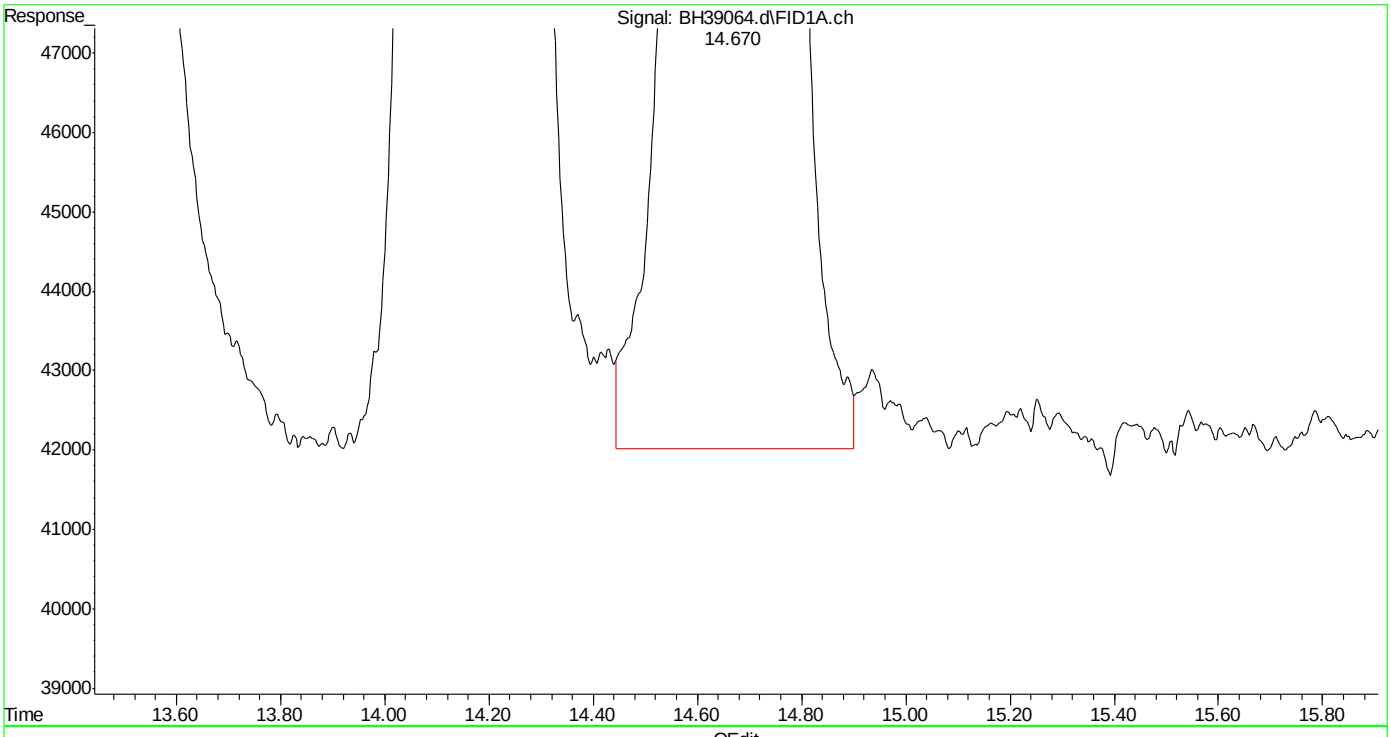
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:07 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.670min 10.994 ppb m
response 9818624

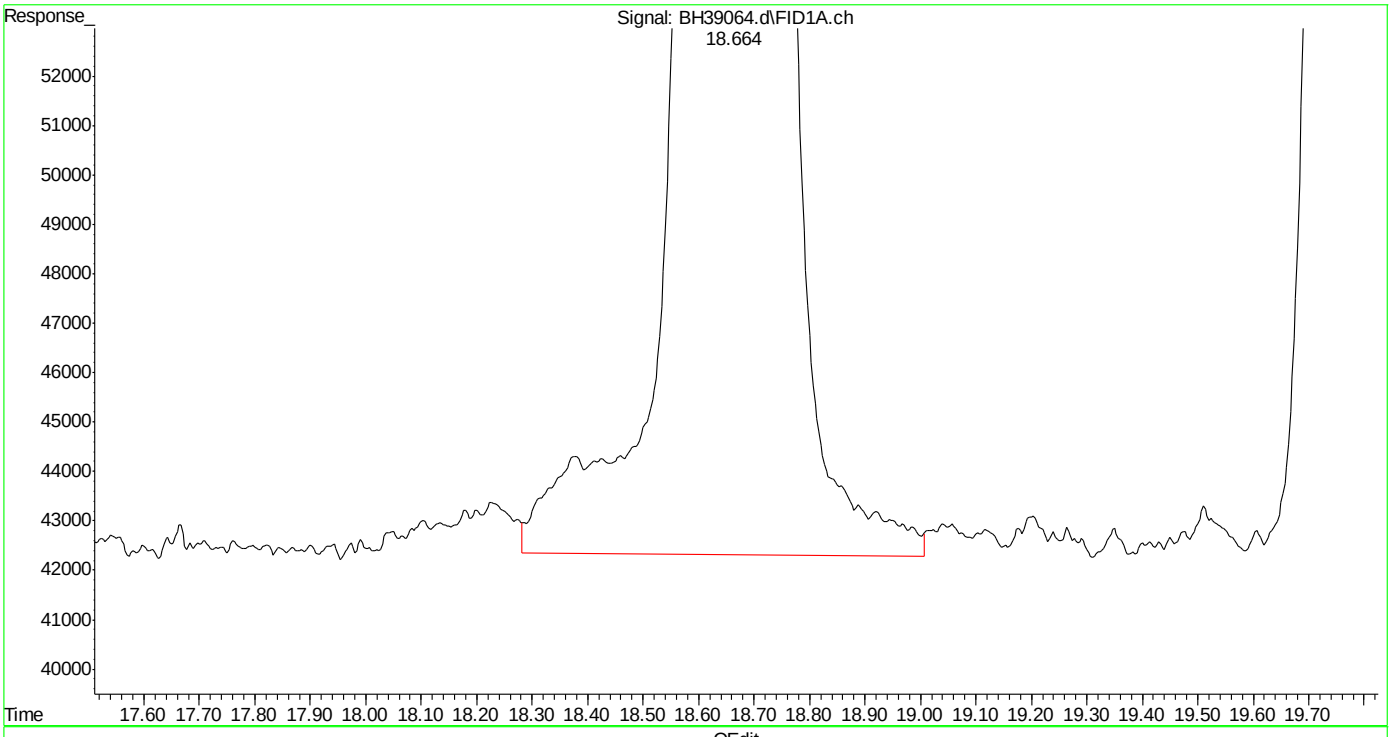
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:18 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.665min 11.207 ppb
response 12684894

(+) = Expected Retention Time

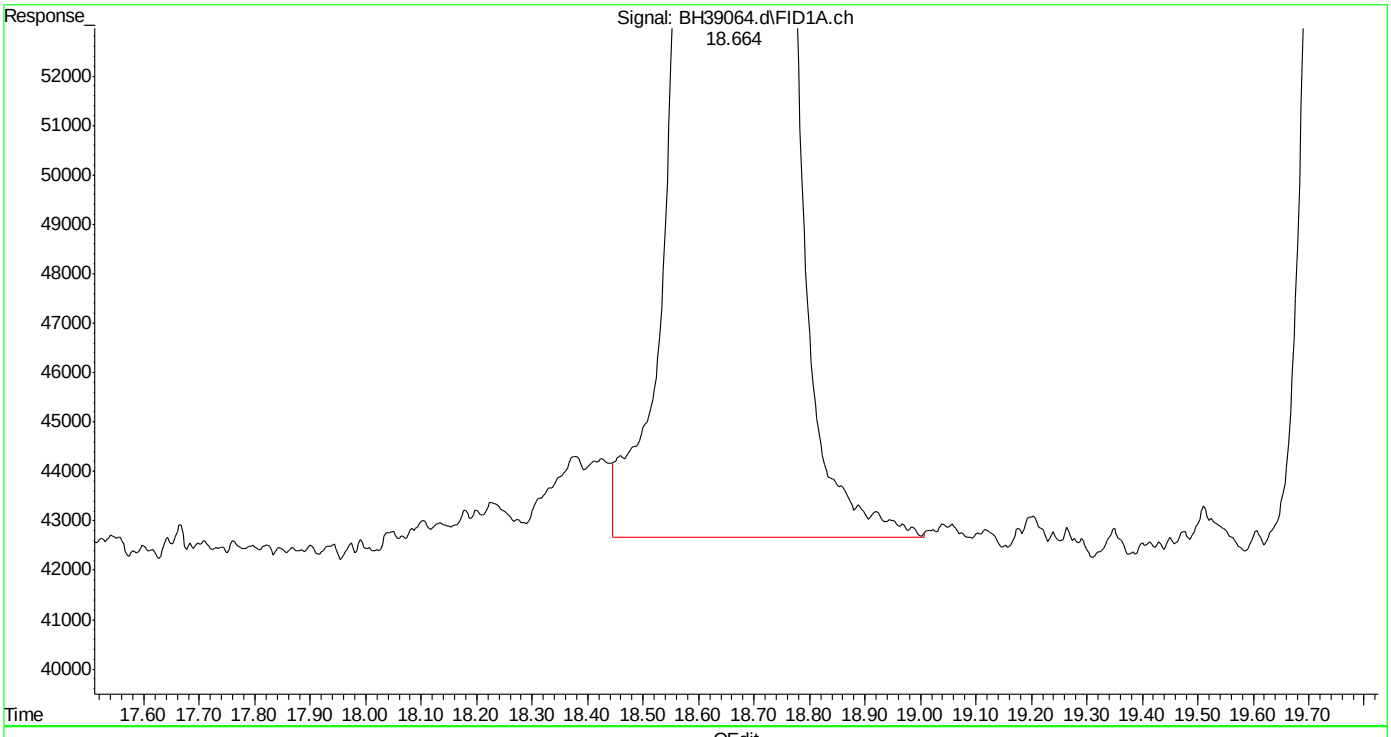
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.664min 10.974 ppb m
response 12421737

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:31 2016

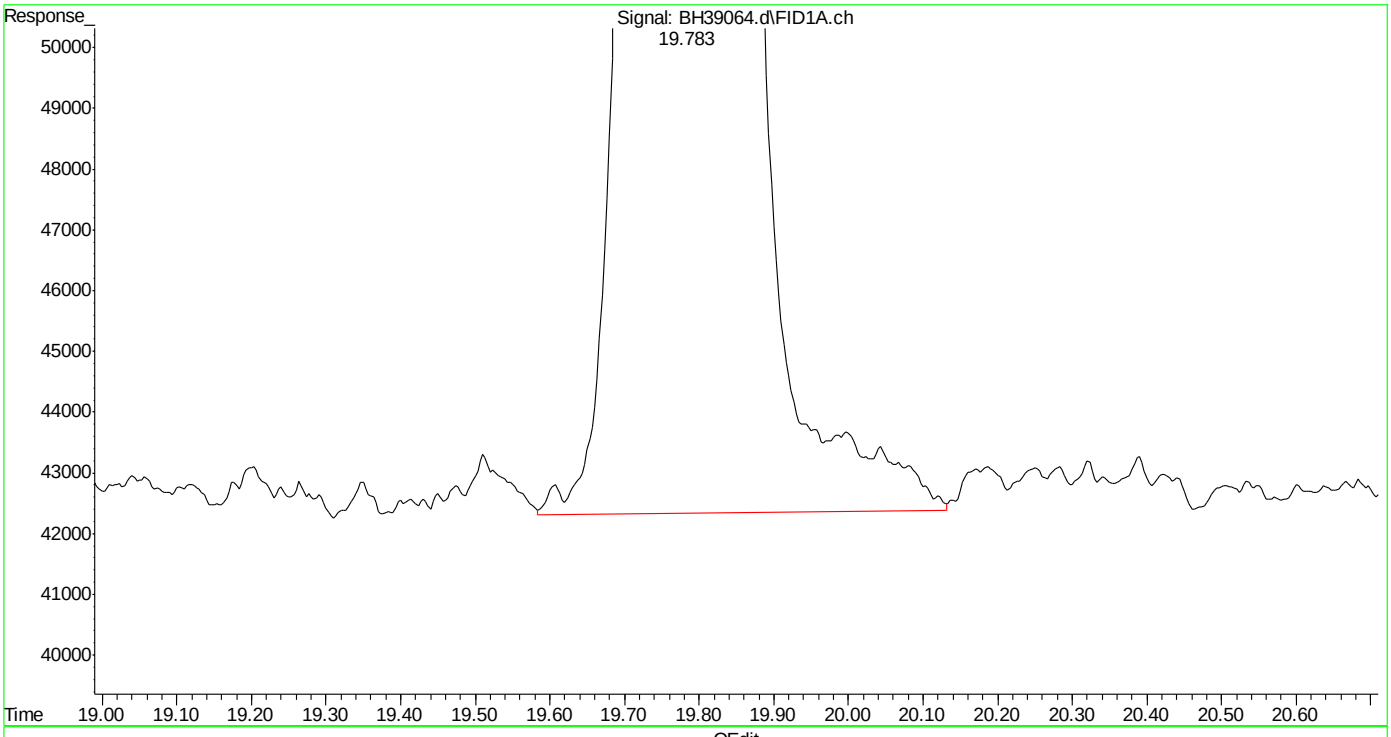
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.785min 11.297 ppb
response 8351733

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:36 2016 Page: 1

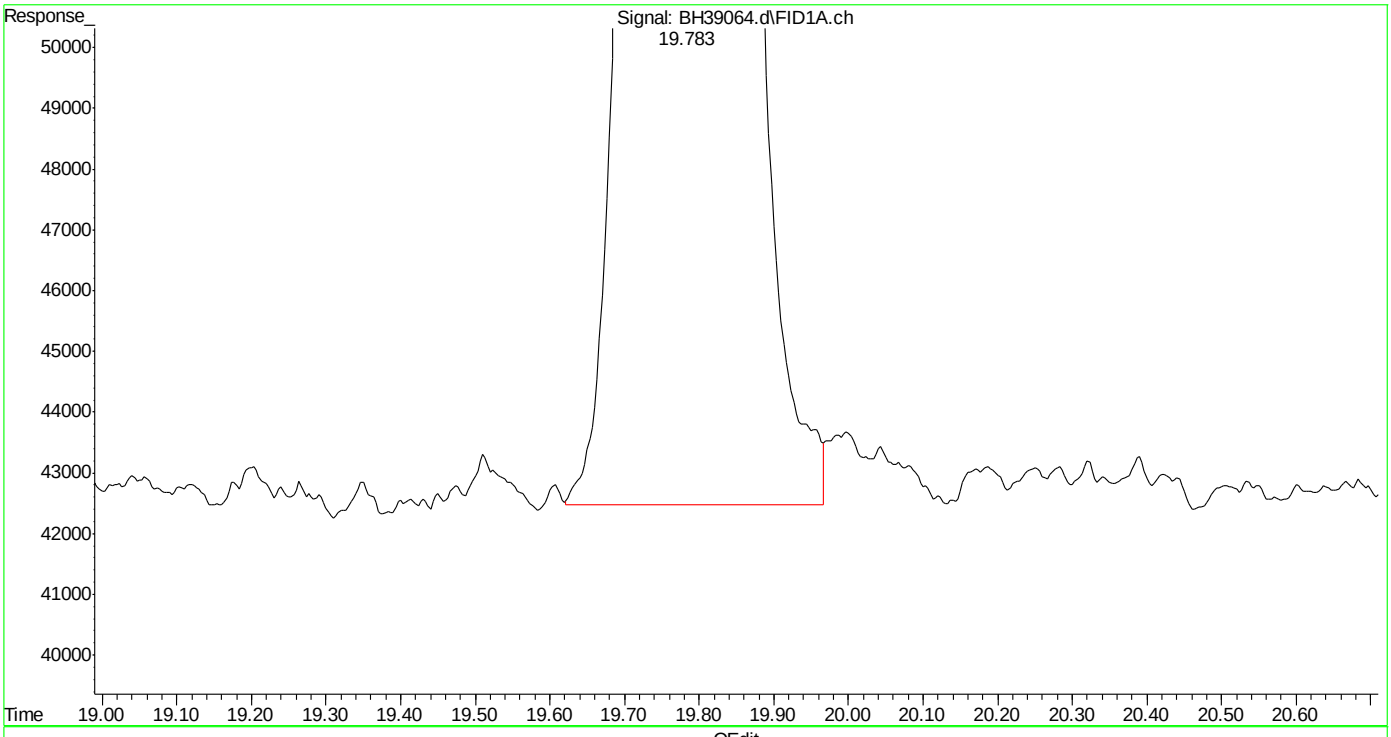
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.783min 11.140 ppb m
response 8236074

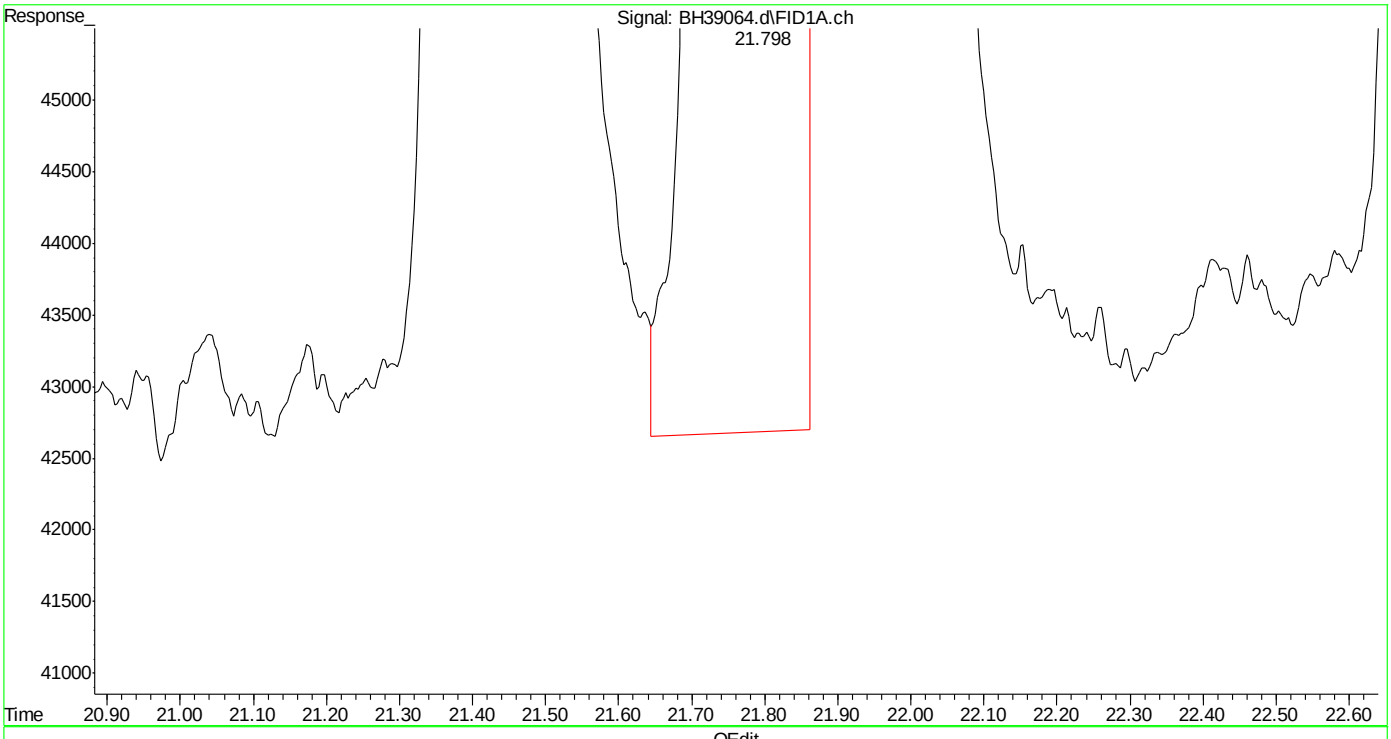
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:43 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.799min 10.854 ppb
response 12179031

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:31:57 2016

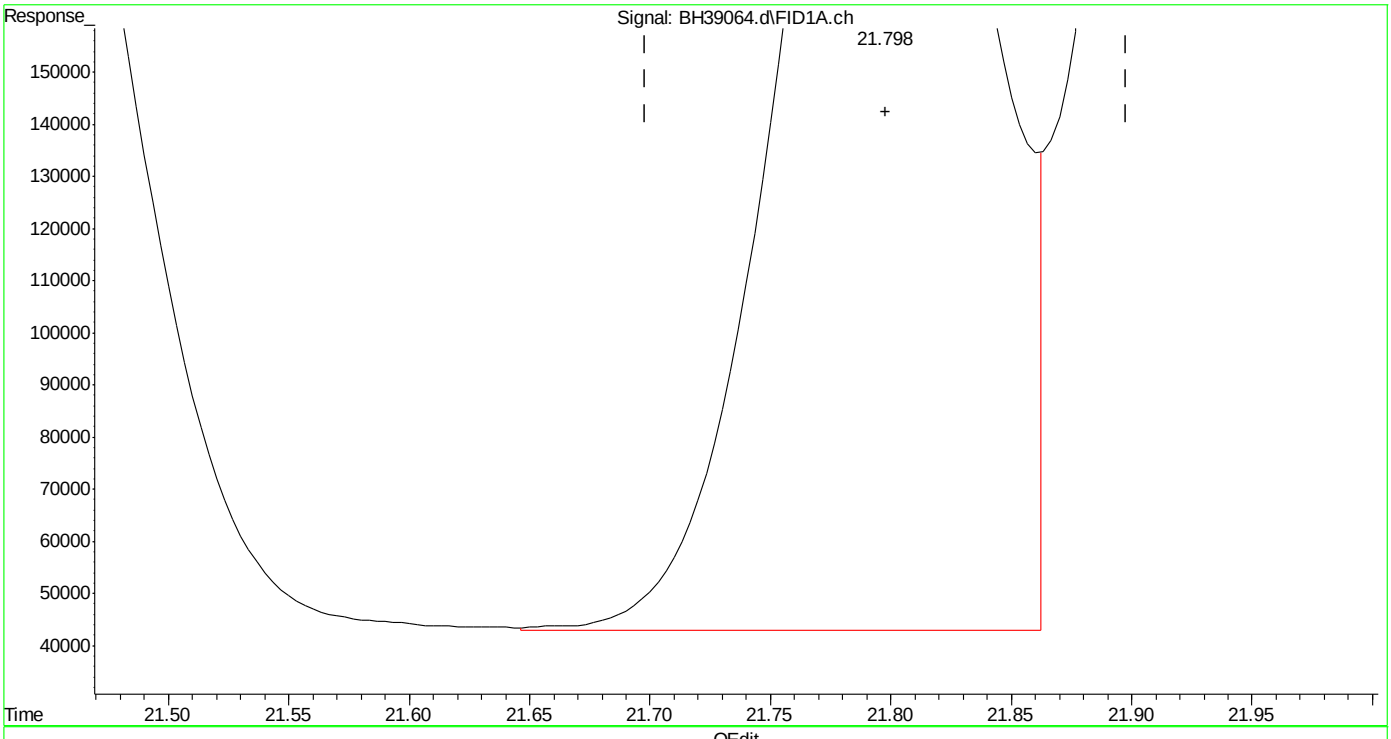
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.798min 10.840 ppb m
response 12163498

(+) = Expected Retention Time

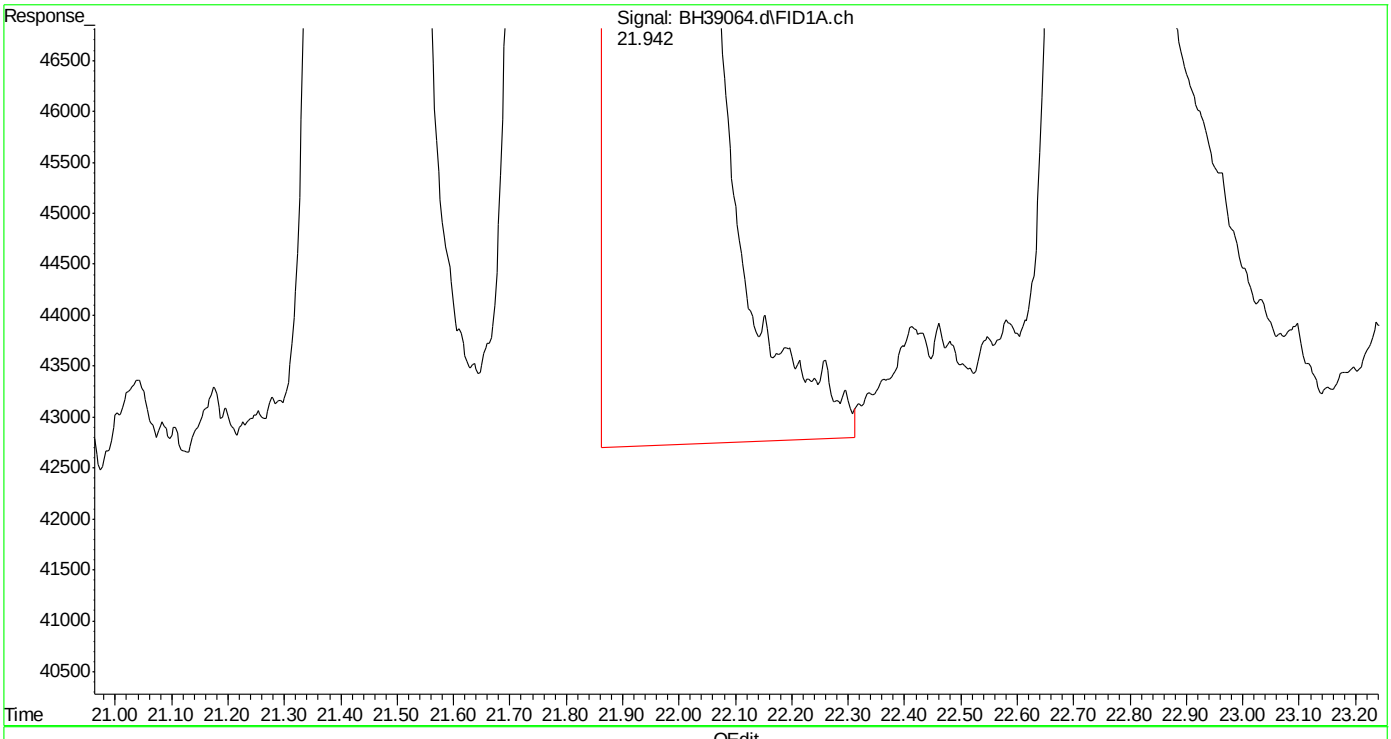
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 21.947 ppb
response 25817265

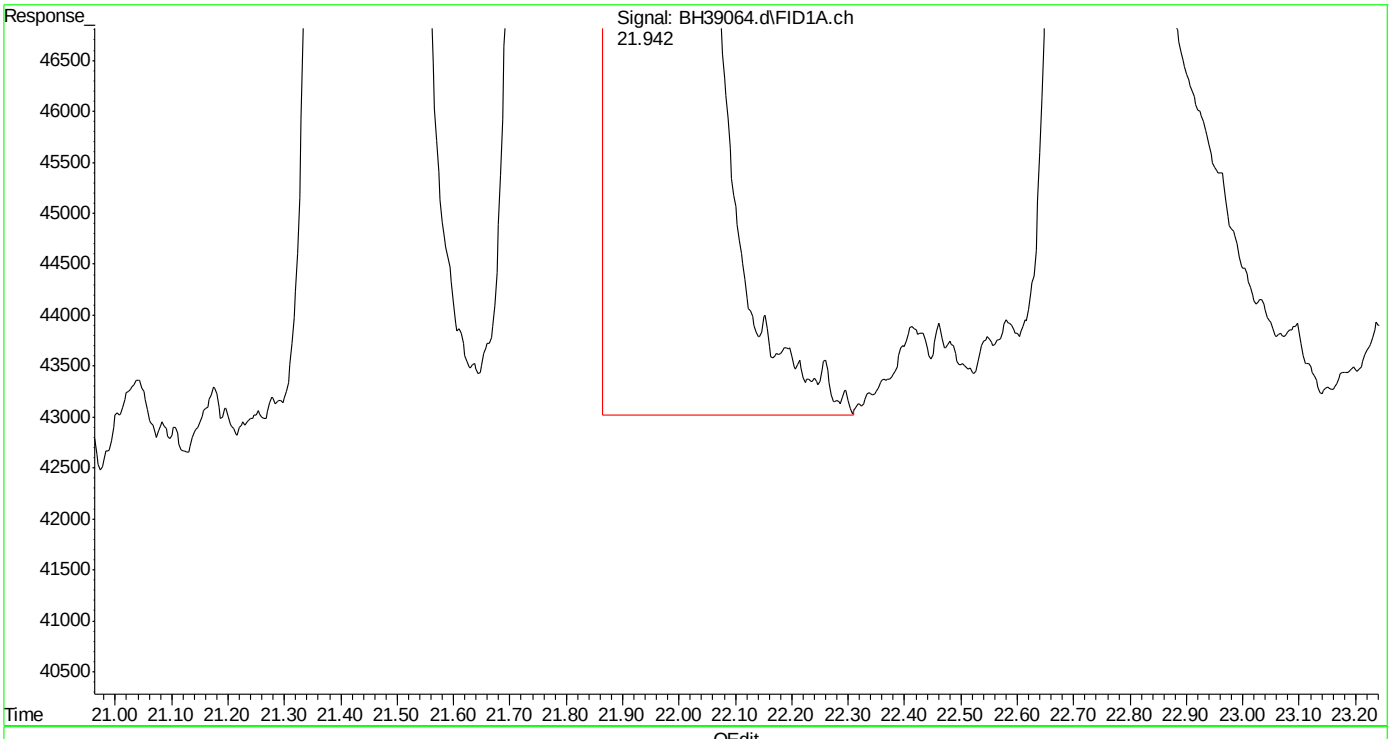
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.942min 21.739 ppb m
response 25572956

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.755min 11.138 ppb
response 13196735

(+) = Expected Retention Time

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.753min 11.017 ppb m
response 13053689

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:32:40 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(16) decane (h)
23.856min 11.162 ppb
response 11206215

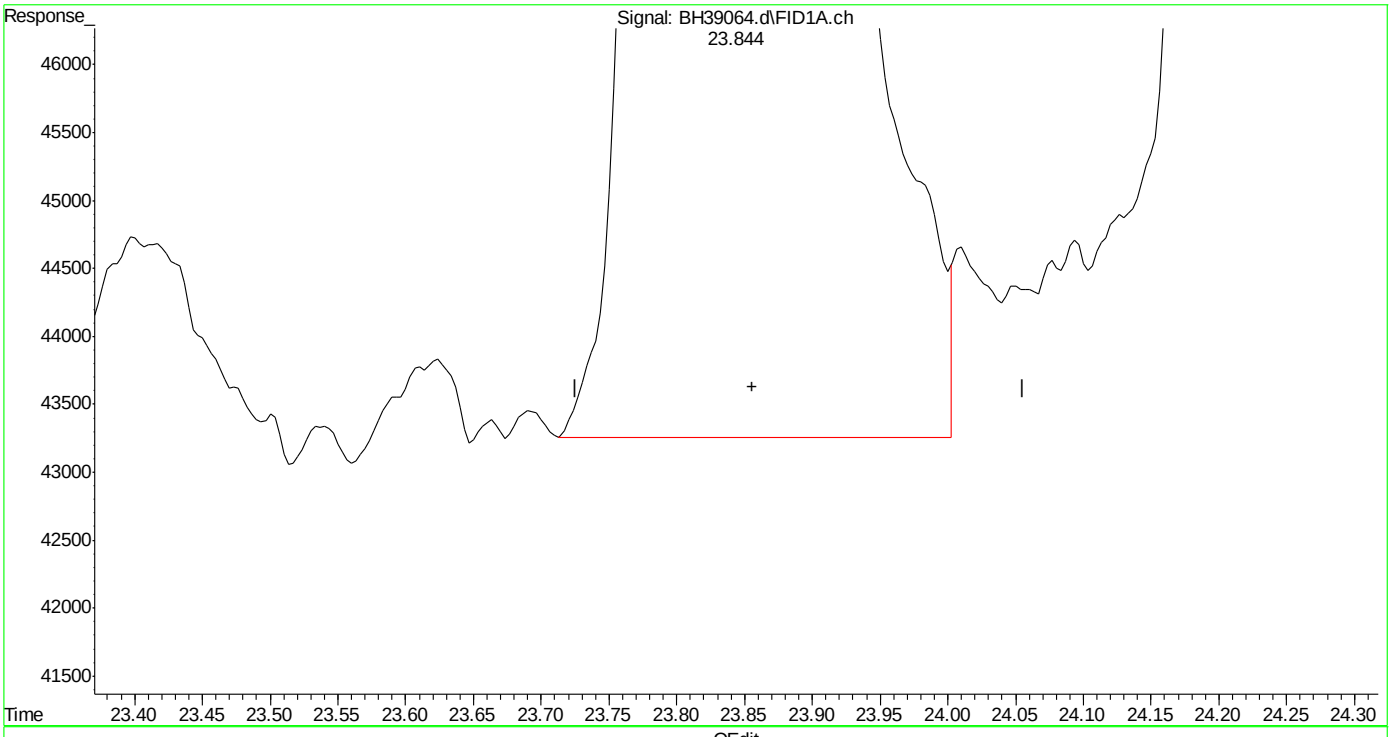
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:32:45 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 11.199 ppb m
response 11243264

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:32:59 2016

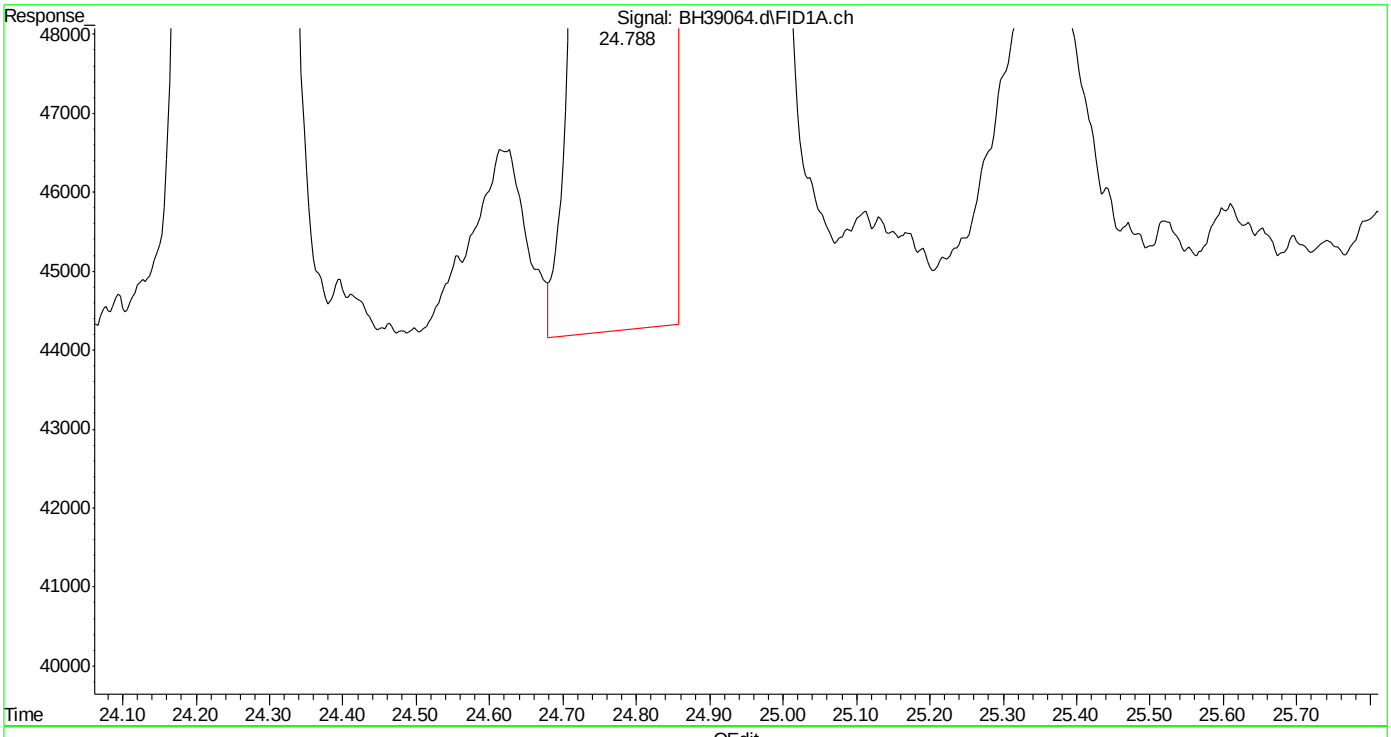
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.789min 11.070 ppb
response 13712529

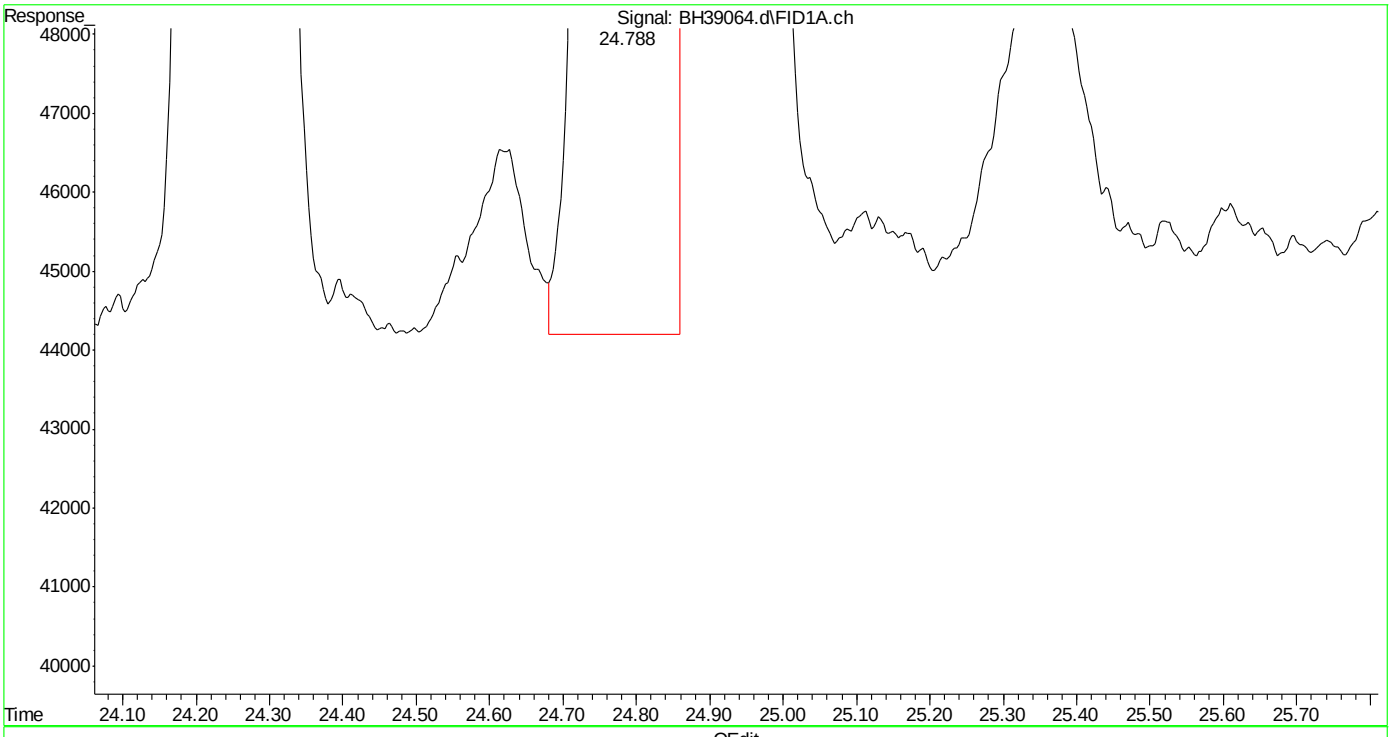
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:33:20 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.788min 11.091 ppb m
response 13738220

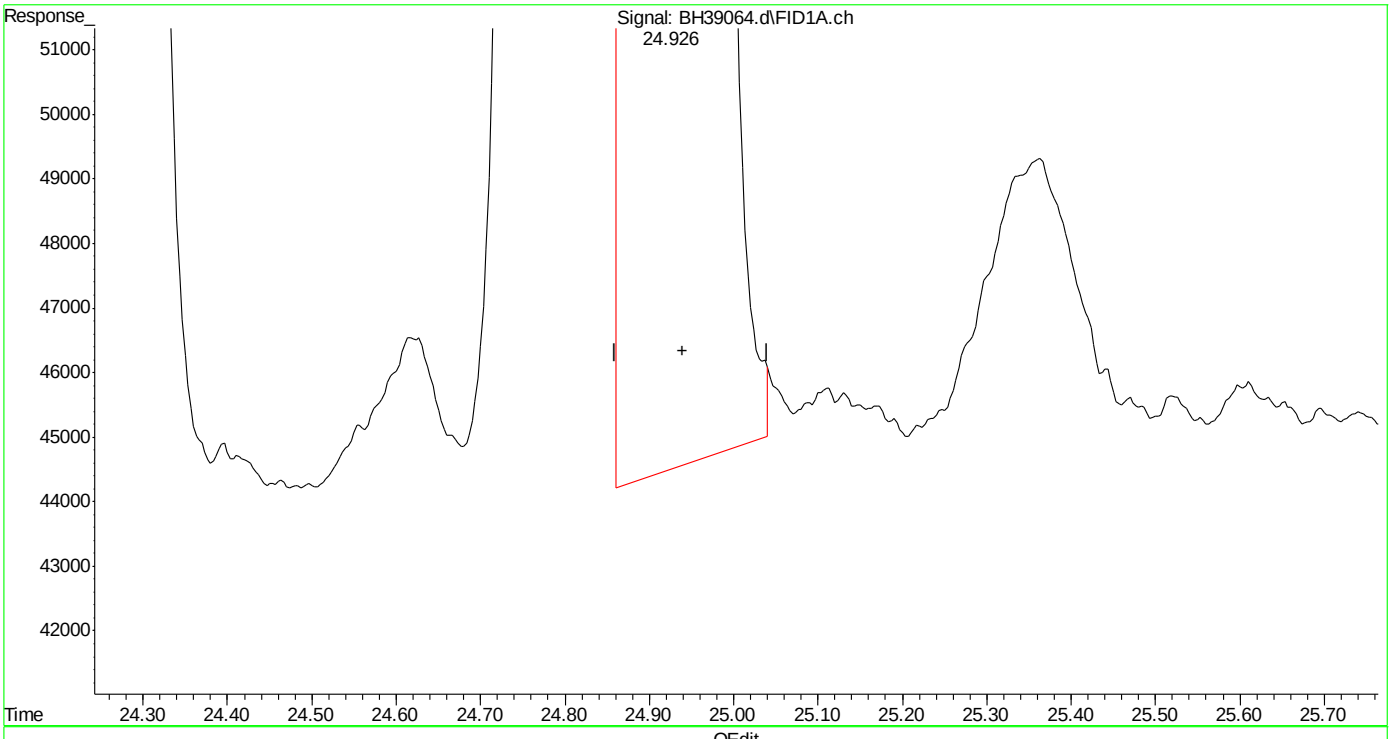
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:33:28 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 10.968 ppb
response 12187482

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:33:33 2016

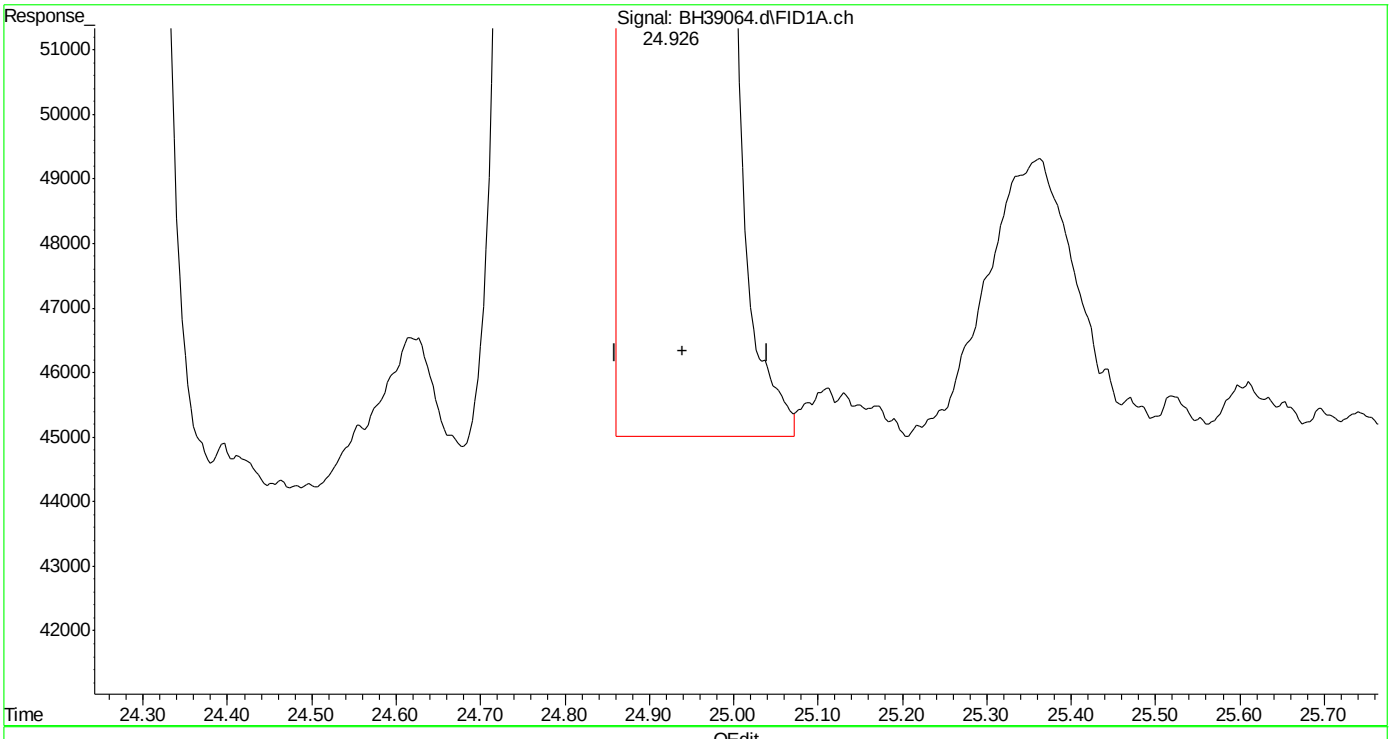
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 10.945 ppb m
response 12162000

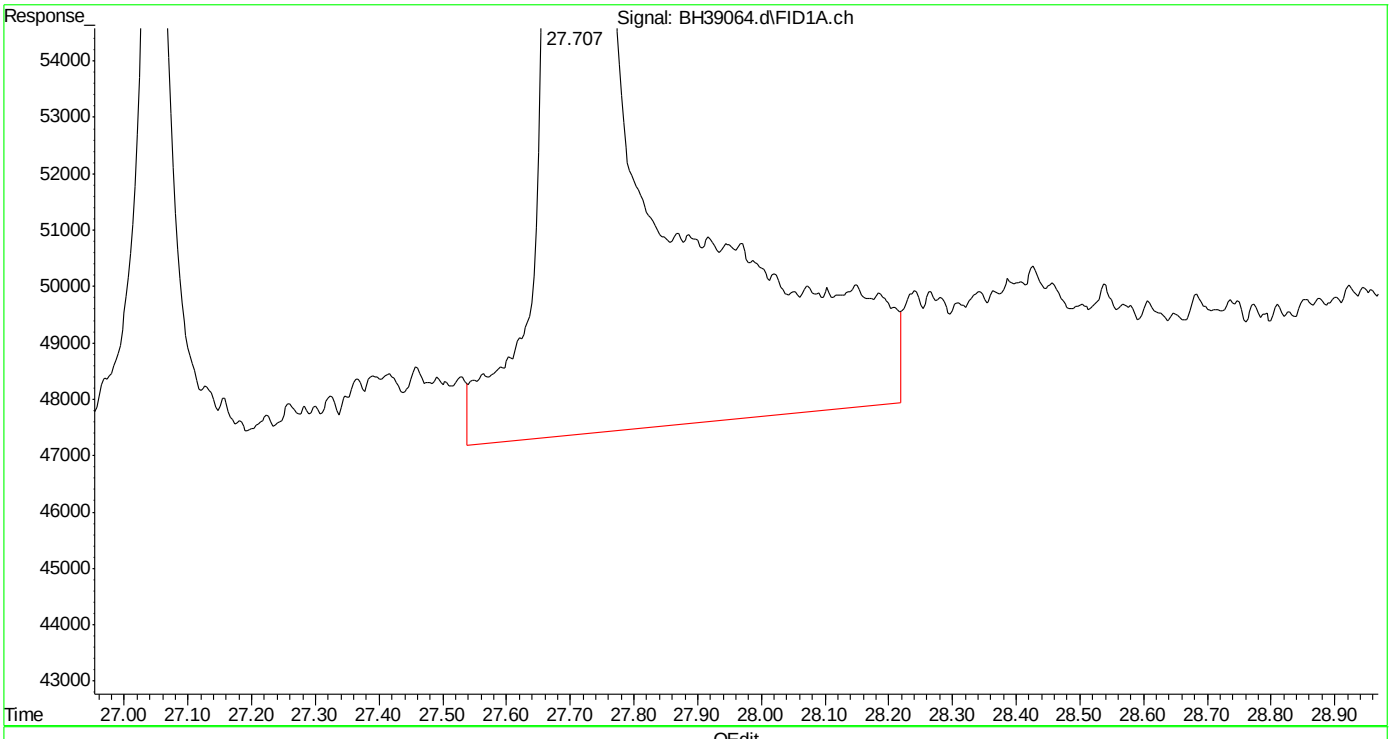
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 11.927 ppb
response 9410988

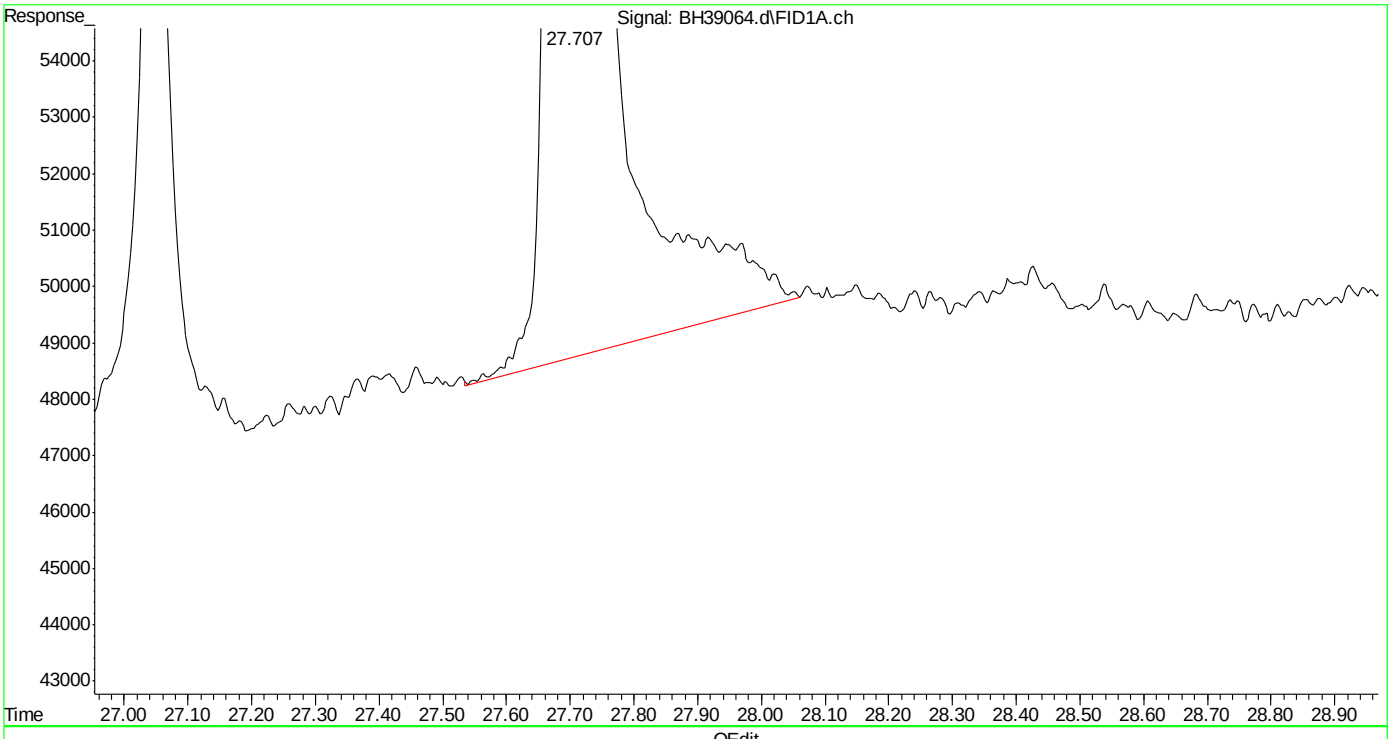
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:33:46 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.707min 11.069 ppb m
response 8733820

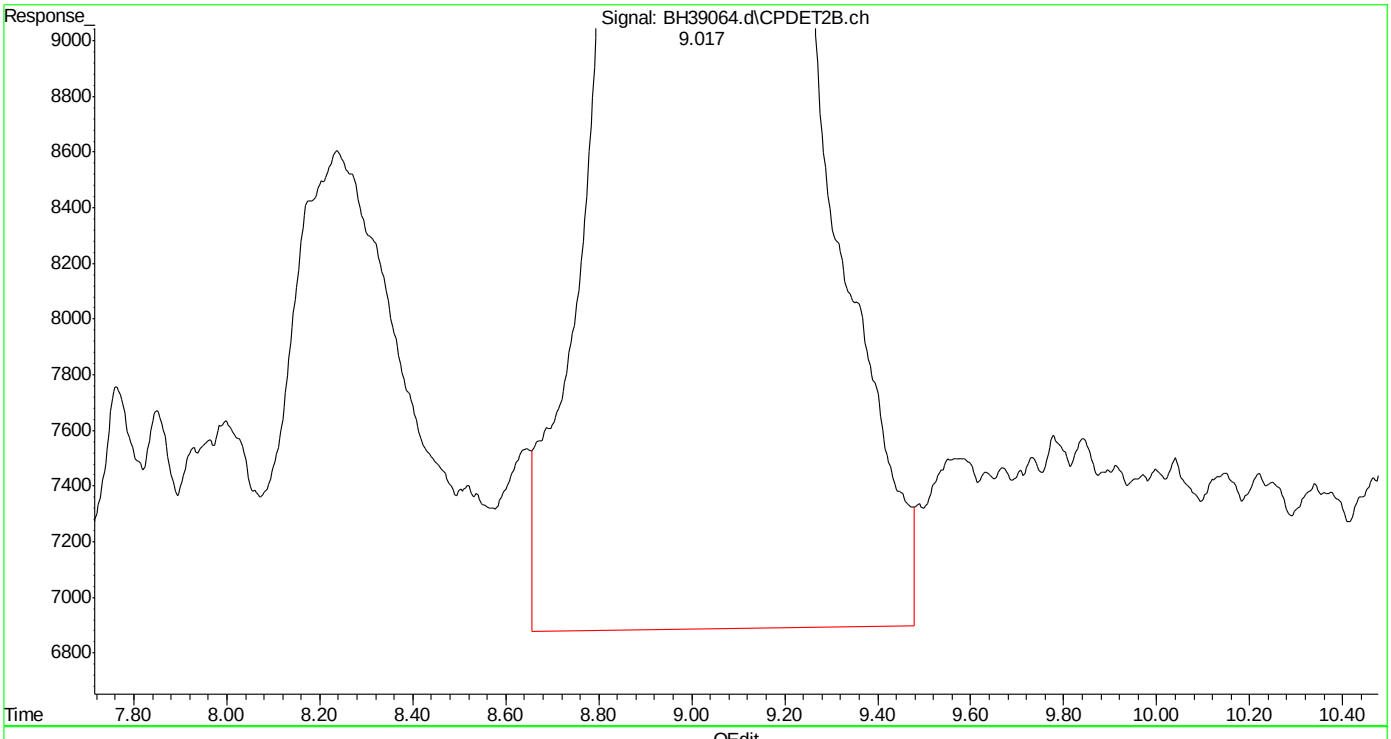
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:03 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.018min 11.573 ppb
response 3236211

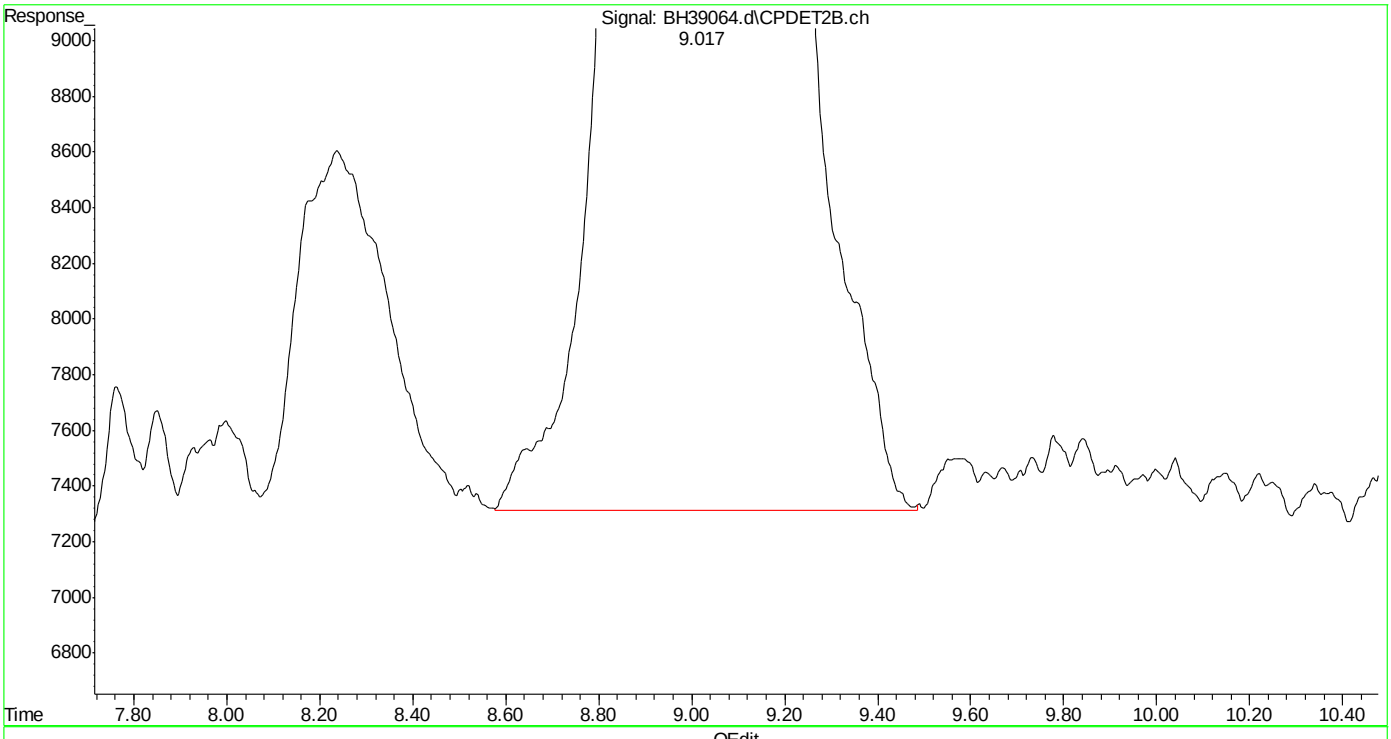
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:13 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.017min 10.849 ppb m
response 3033740

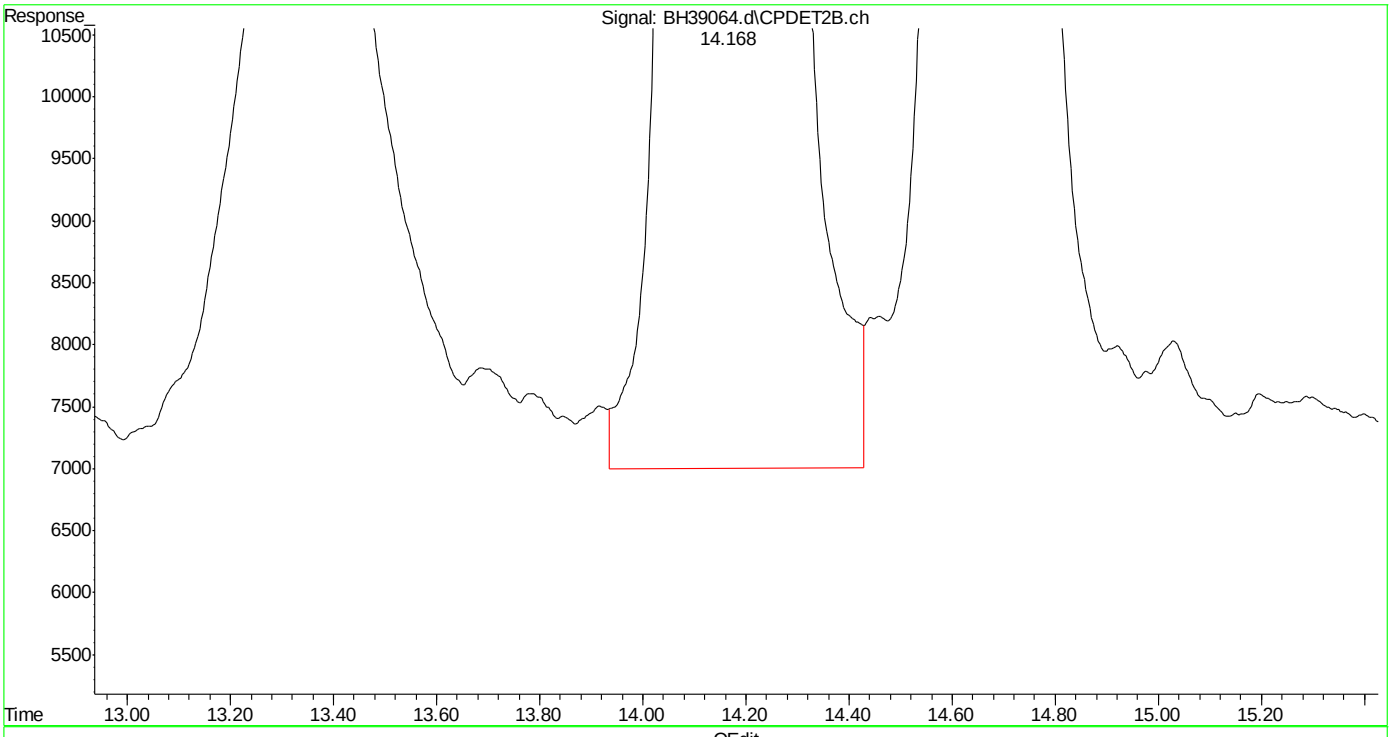
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:25 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.169min 11.062 ppb
response 6885057

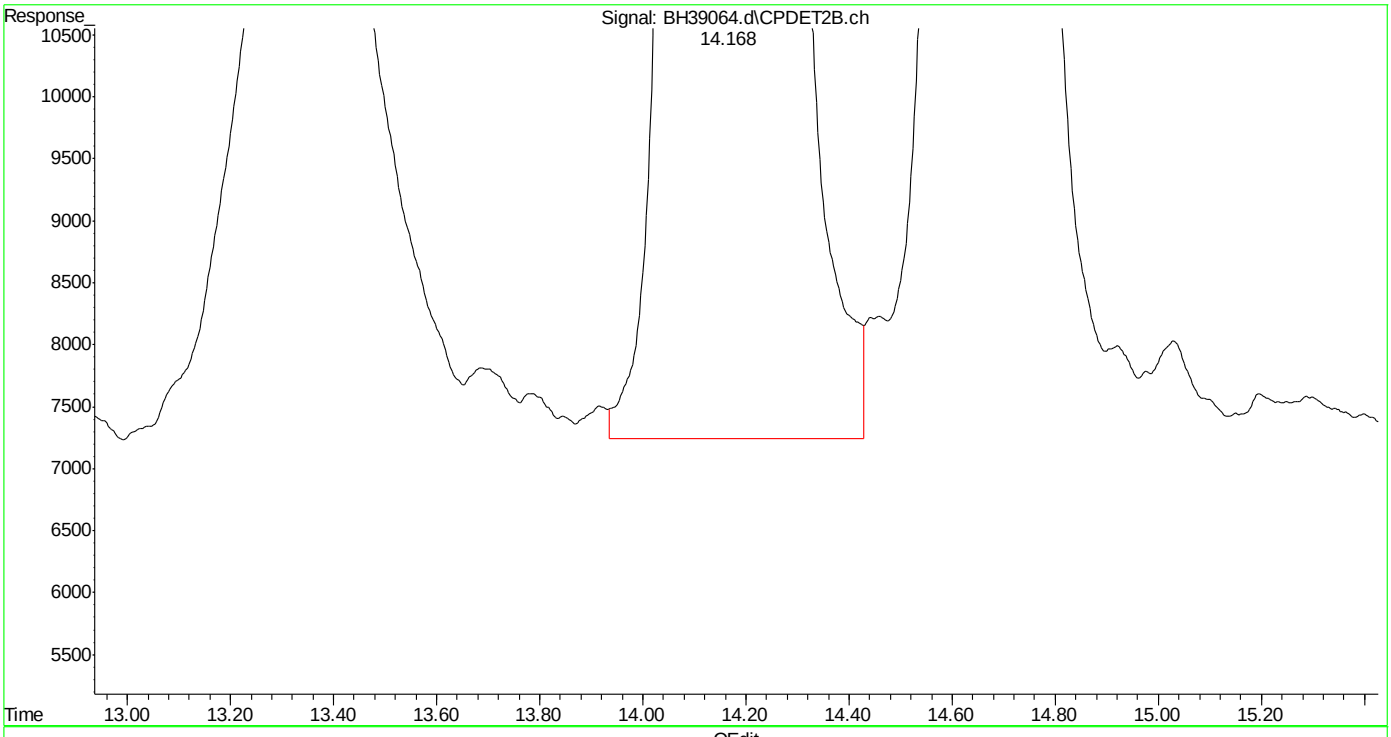
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:28 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.168min 10.950 ppb m
response 6815412

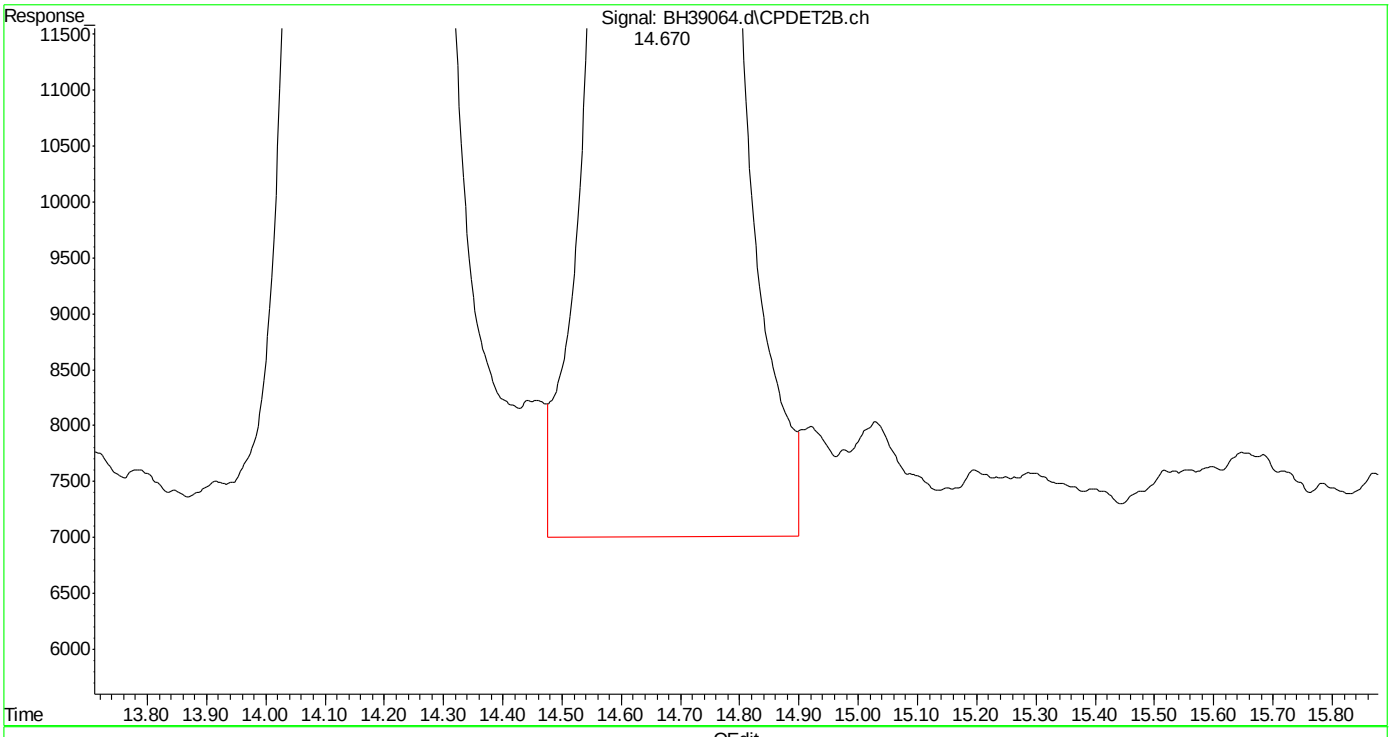
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:37 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.671min 11.052 ppb
response 4328050

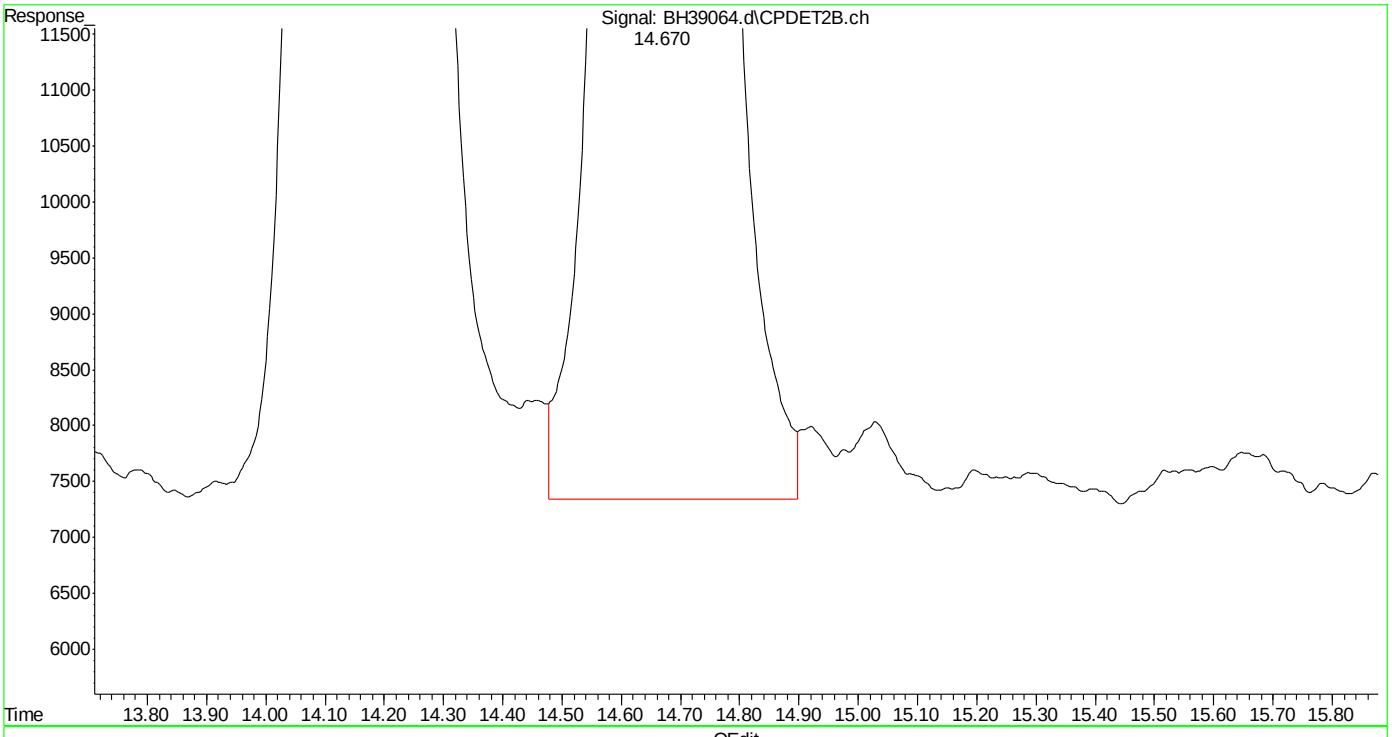
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:41 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 10.829 ppb m
response 4240734

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:34:50 2016

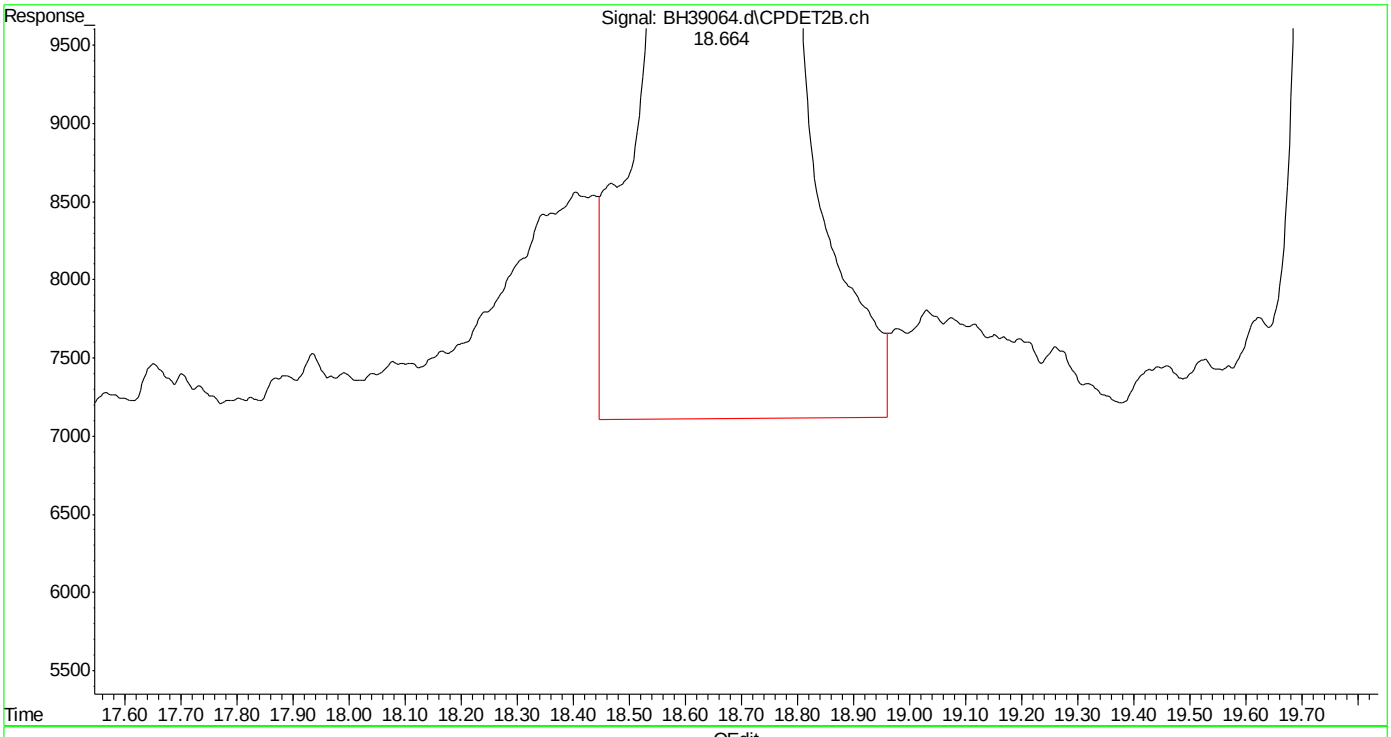
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.665min 11.020 ppb
response 6421734

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:03 2016 Page: 1

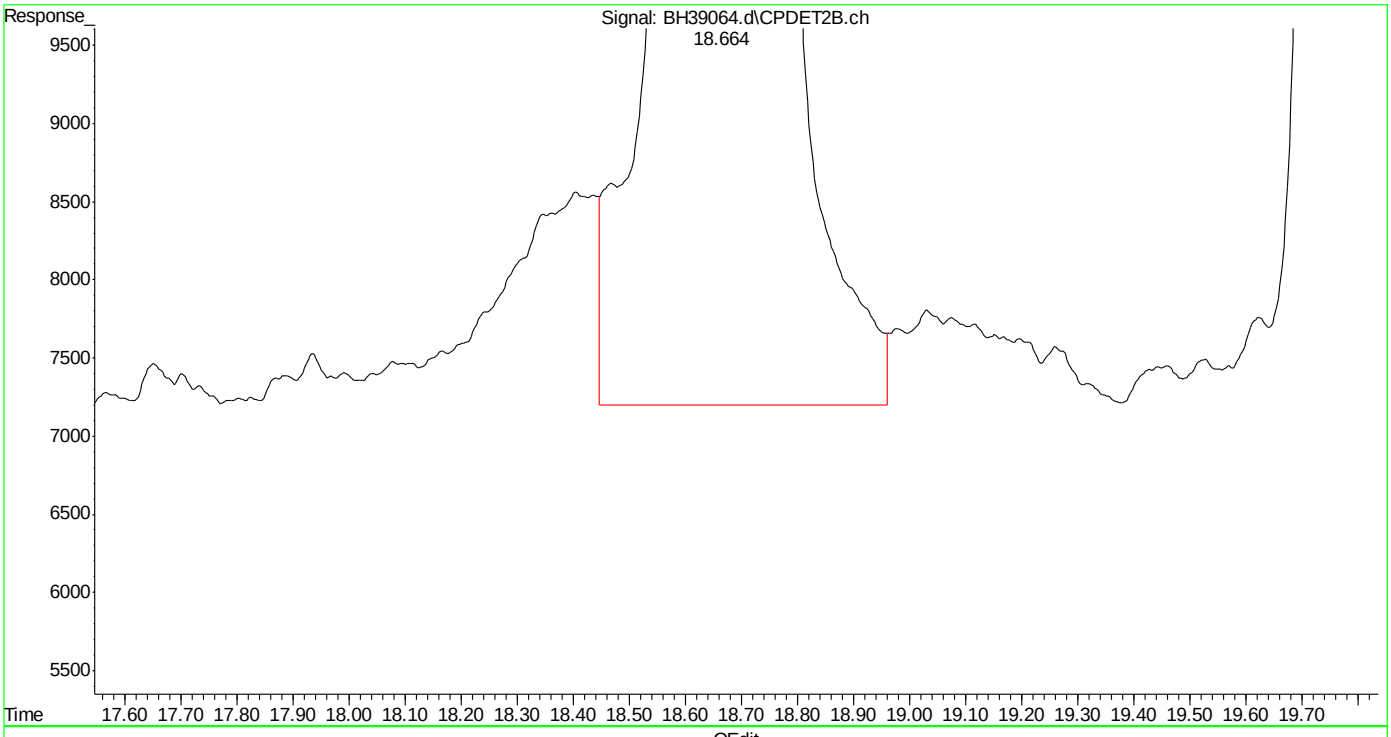
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.664min 10.971 ppb m
response 6393156

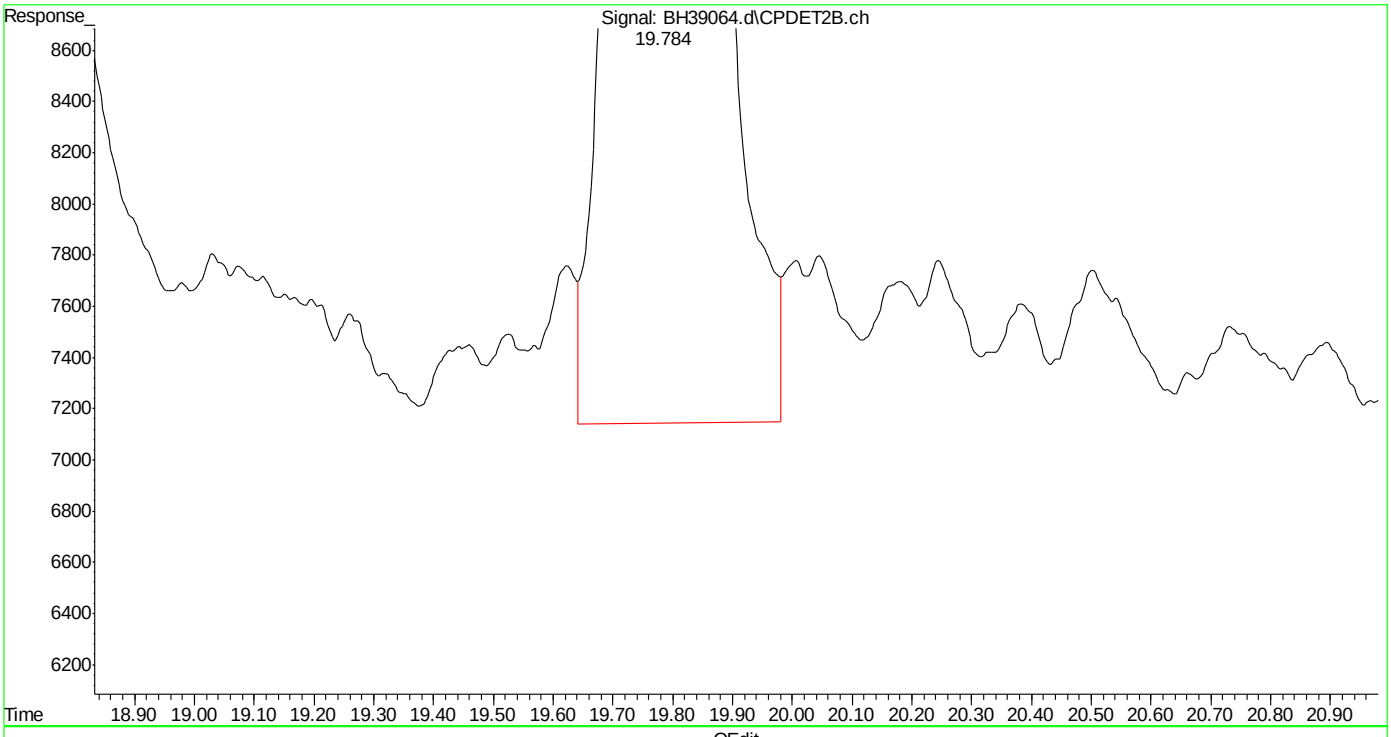
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:11 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 11.055 ppb
response 2591728

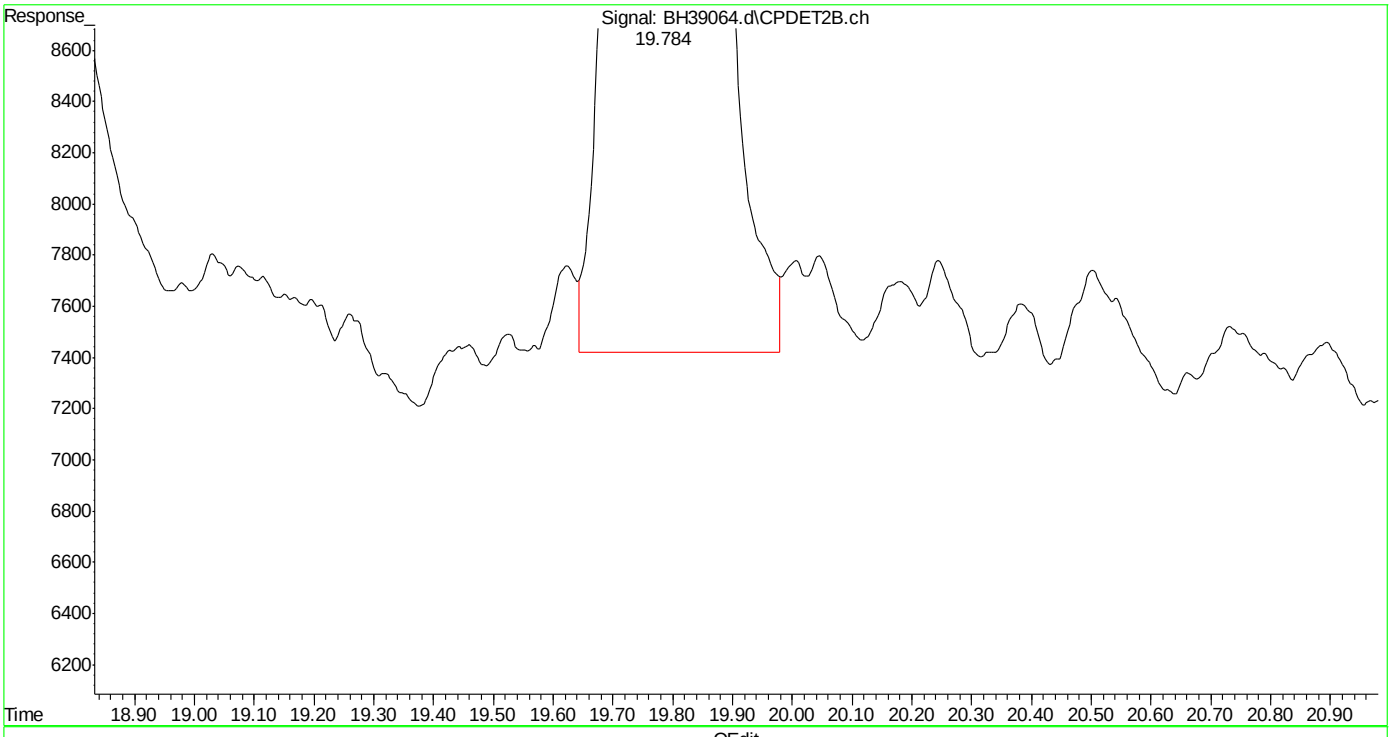
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:15 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.784min 10.813 ppb m
response 2534967

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:22 2016

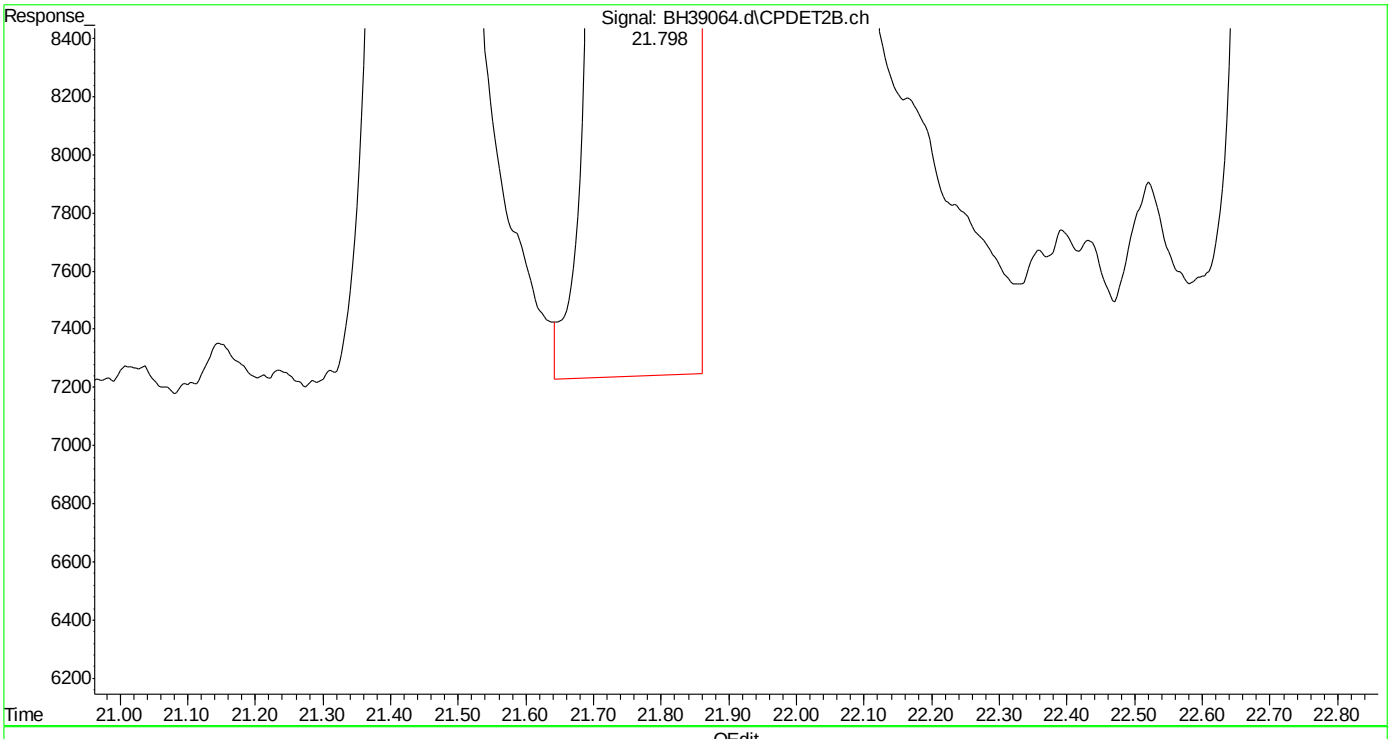
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.799min 10.741 ppb
response 5549767

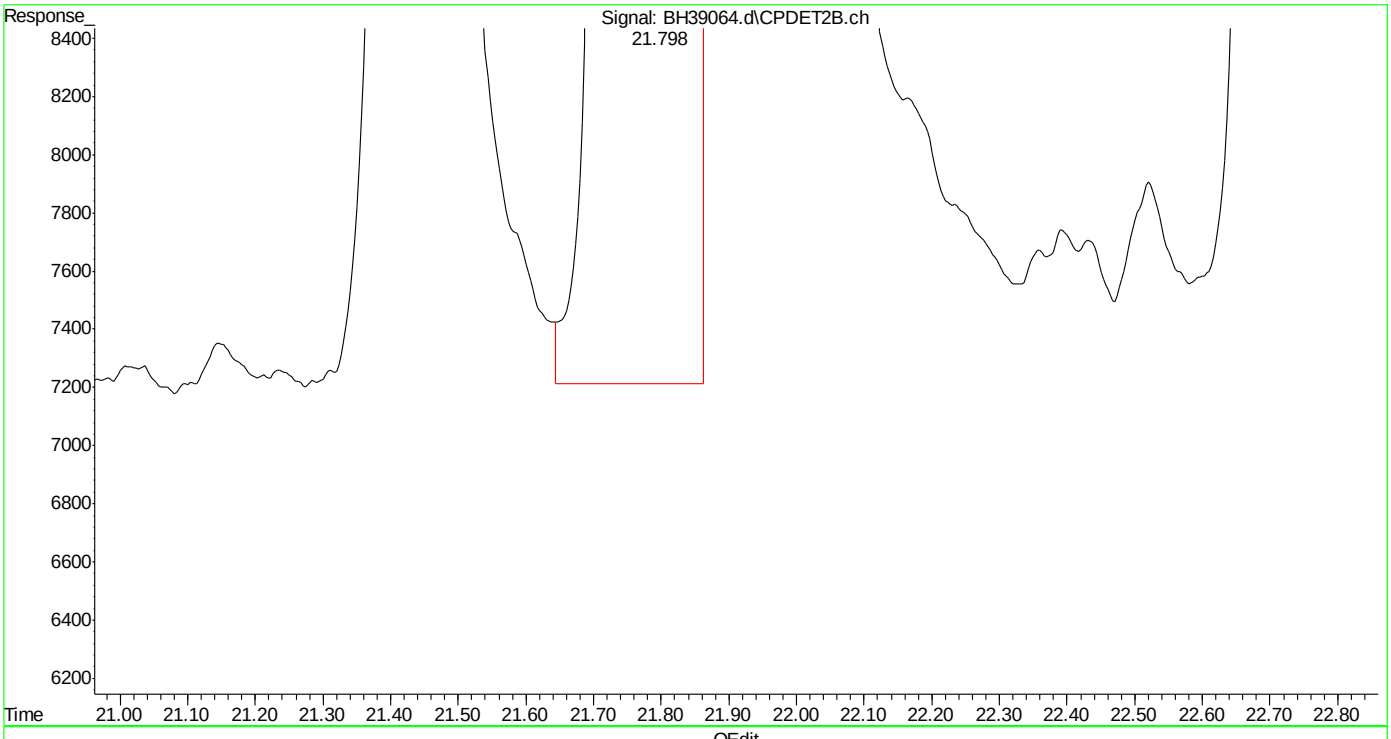
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:32 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.798min 10.893 ppb m
response 5628408

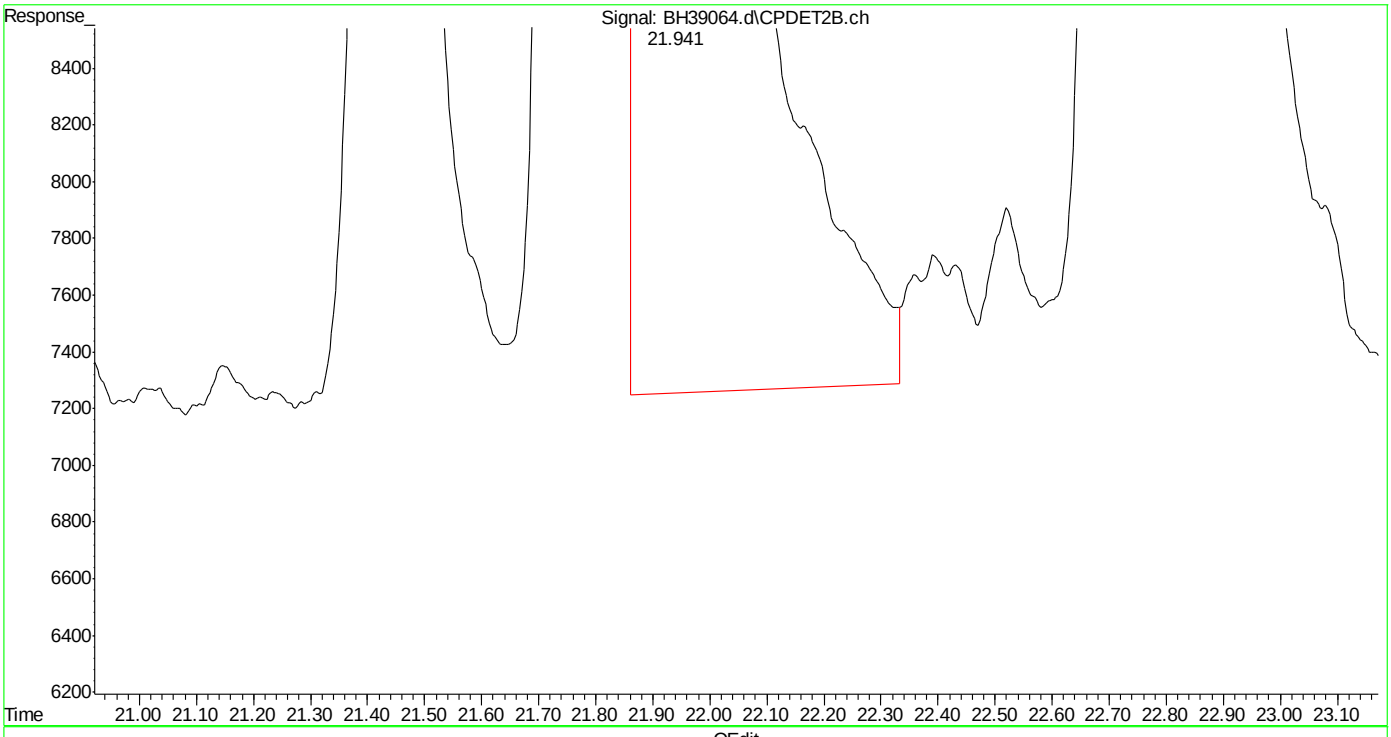
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:38 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 21.945 ppb
response 13912519

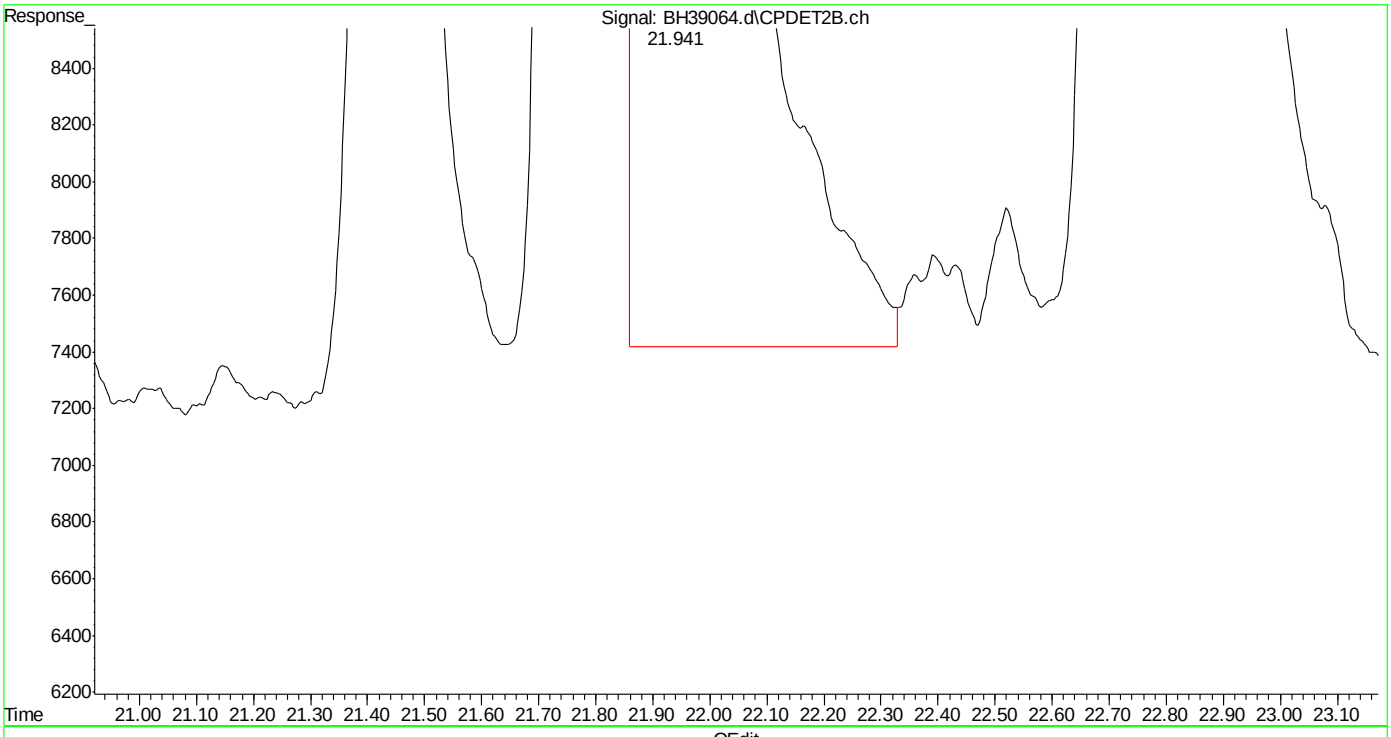
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:43 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.941min 21.912 ppb m
response 13891872

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:49 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(30) o-xylene #2 (t)
22.754min 11.186 ppb
response 6084121

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:35:54 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(30) o-xylene #2 (t)
22.753min 11.154 ppb m
response 6067007

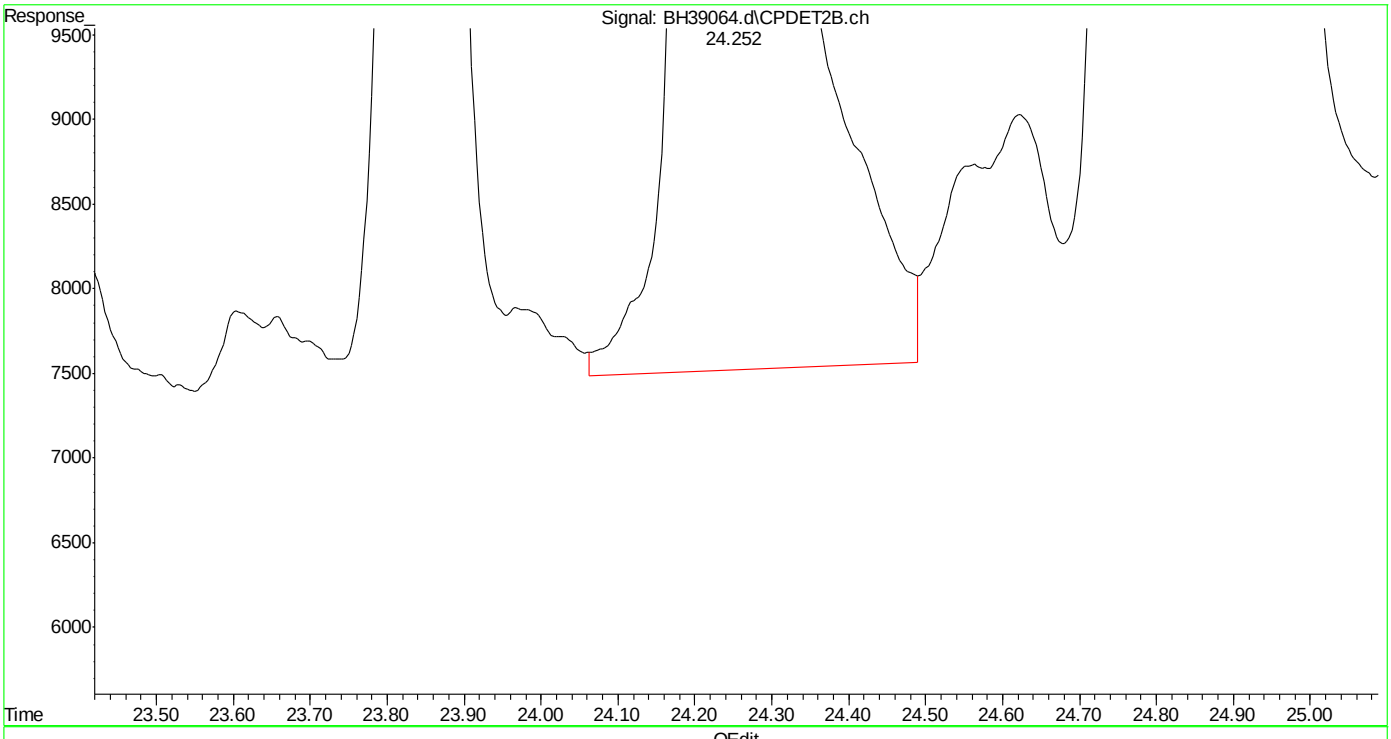
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:36:01 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.253min 10.793 ppb
response 8592010

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:36:07 2016

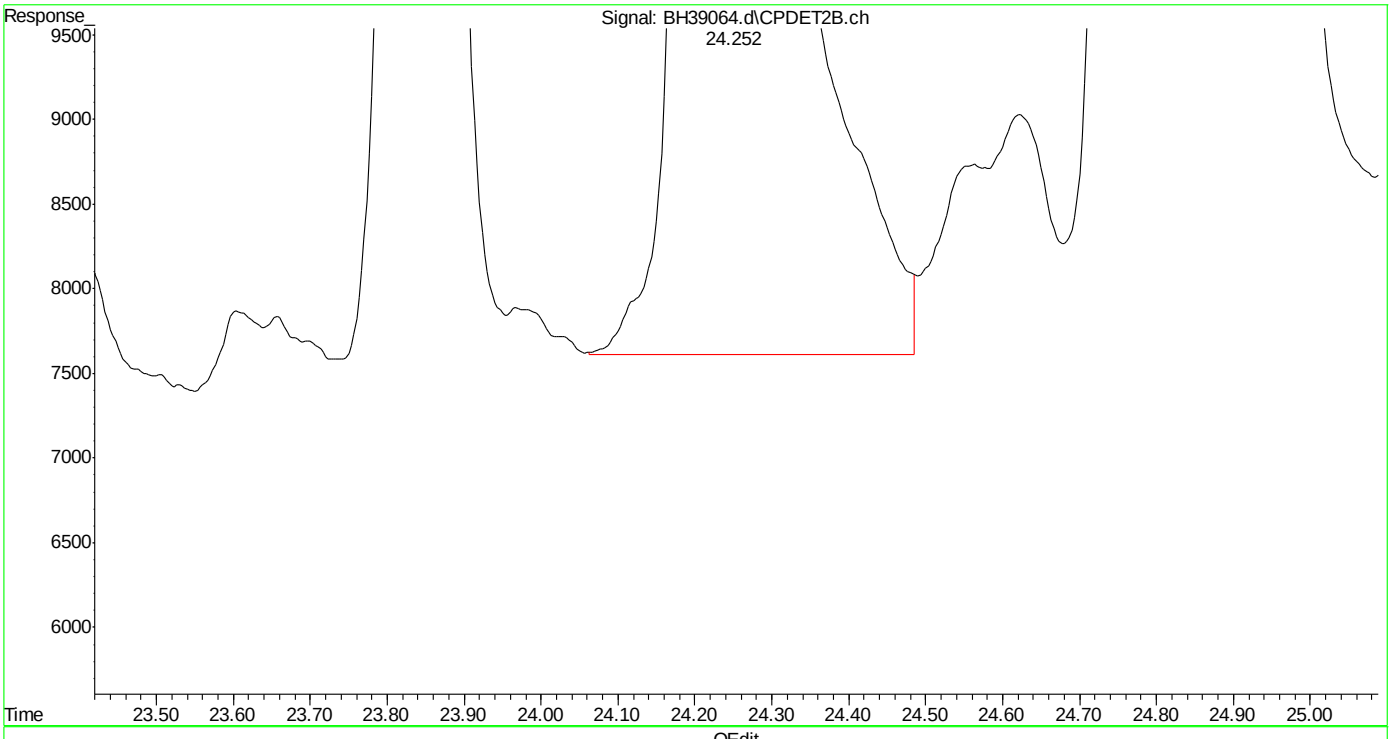
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.252min 10.762 ppb m
response 8567921

(+) = Expected Retention Time

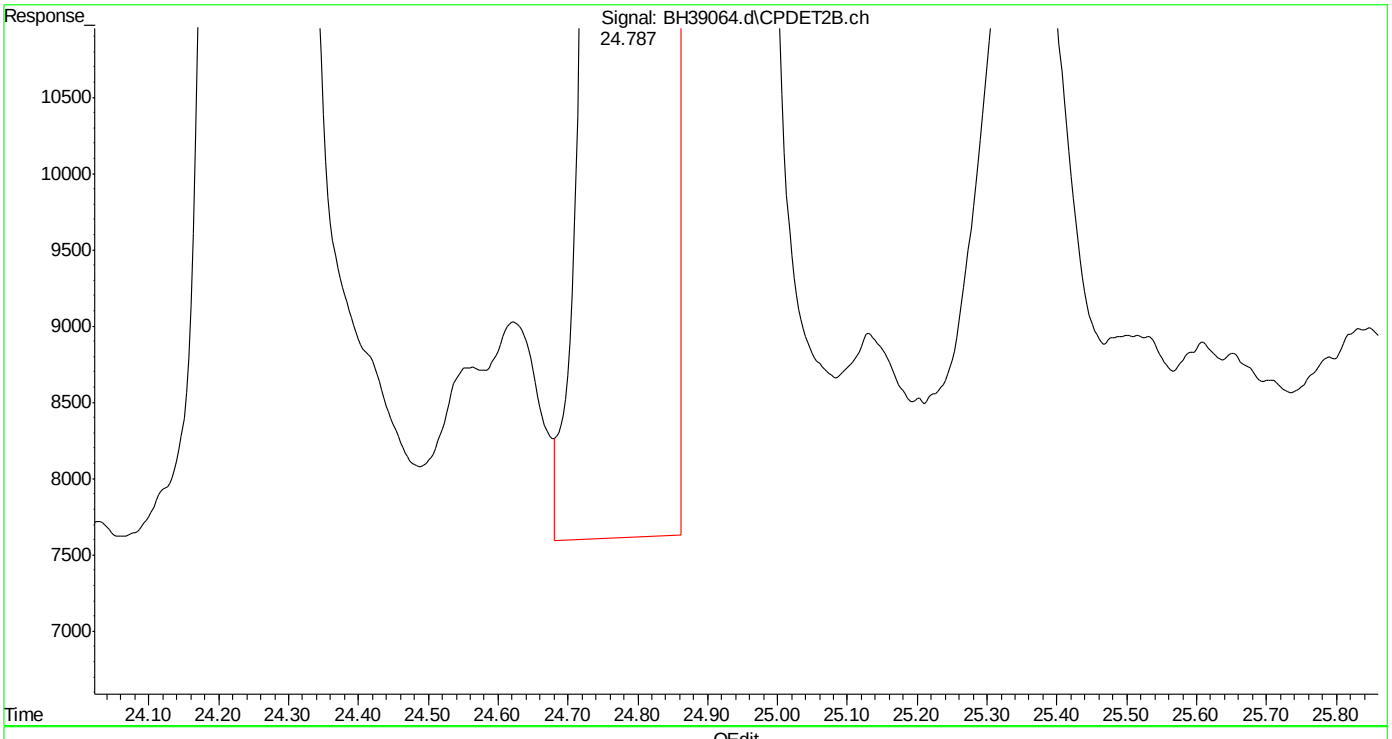
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 11.056 ppb
response 6656713

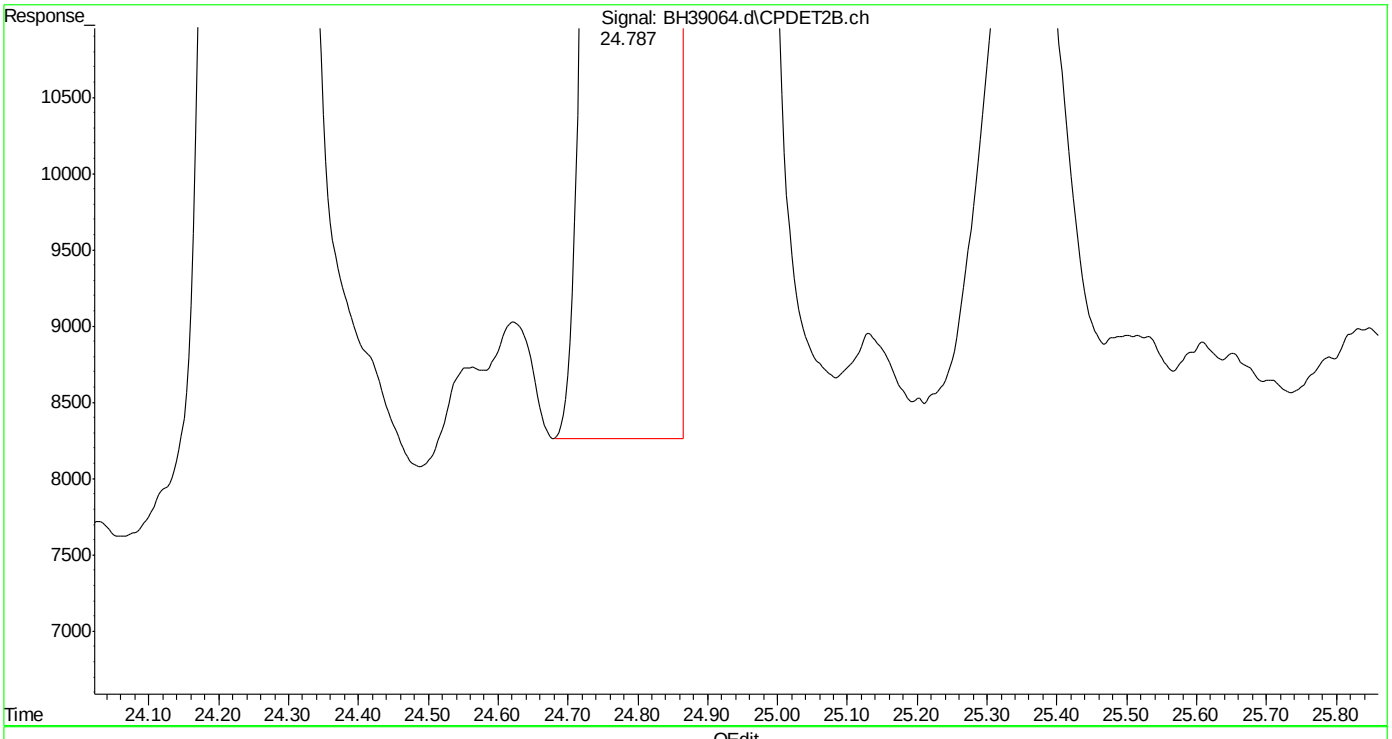
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:36:27 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.787min 10.987 ppb m
response 6615296

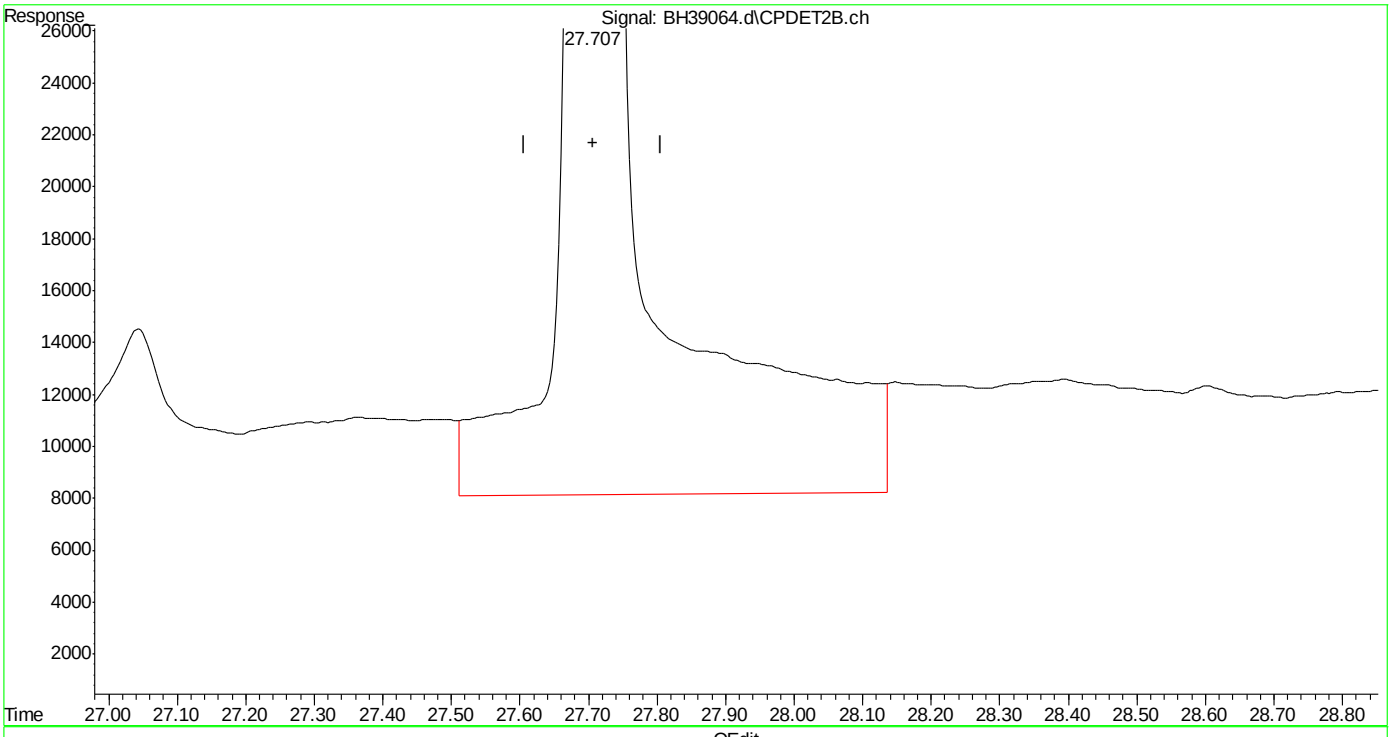
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 12:36:35 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 13.776 ppb
response 7356240

(+) = Expected Retention Time

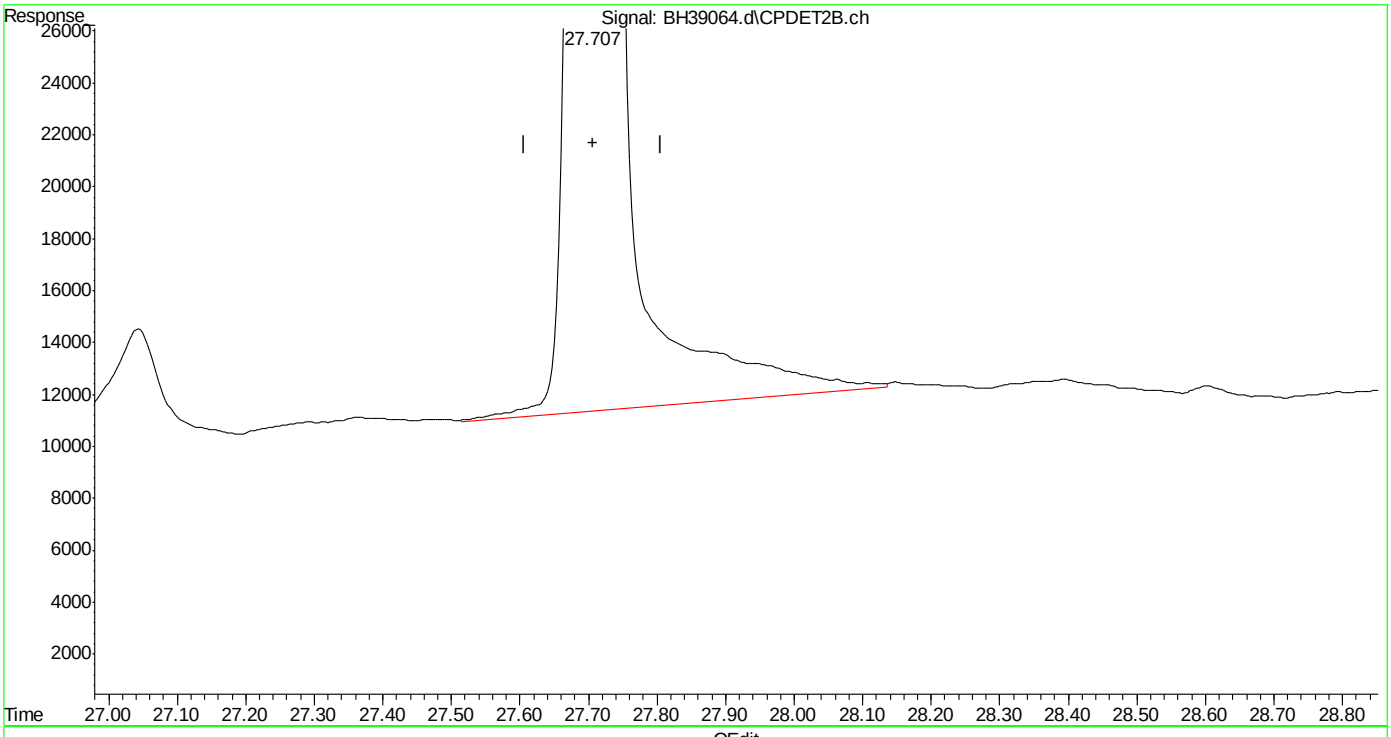
bh160420vphmaster.m Wed Apr 20 12:36:41 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39064.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 11:57 am
Operator : danielf
Sample : ic2295-10
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 12:28:40 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:25:42 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 11.354 ppb m
response 6062976

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 12:36:50 2016 Page: 1

SGS ACCUTEST MC45857

BH39065.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:28:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) s fluorobenzene	14.670	4828952	5.151	ppb	m
Spiked Amount 50.000		Recovery = 10.30%			
9) s 2,3,4-trifluorotoluene	19.784	4070940	5.209	ppb	m
Spiked Amount 50.000		Recovery = 10.42%			
25) s fluorobenzene #2	14.671	2082667	5.107	ppb	m
Spiked Amount 50.000		Recovery = 10.21%			
27) s 2,3,4-trifluorotoluen...	19.784	1289798	5.287	ppb	m
Spiked Amount 50.000		Recovery = 10.57%			
Target Compounds					
1) h rt5.5-7	5.980	4708224	5.215	ppb	m
2) h rt7/10	8.250	5141995	5.148	ppb	m
3) t mtbe	9.019	3133963	5.059	ppb	
4) h rt10/13	13.360	6233361	5.329	ppb	m
5) t benzene	14.169	6043796	5.094	ppb	m
8) t toluene	18.664	6006535	5.060	ppb	m
11) h rt20/25	21.460	5550516	5.270	ppb	m
13) t ethylbenzene	21.798	5965775	5.102	ppb	m
14) t m,p-xylene	21.942	12577792	10.247	ppb	m
15) t o-xylene	22.754	6518681	5.235	ppb	m
16) h decane	23.856	5652381	5.312	ppb	m
17) t 1,3,5-trimethylbenzene	24.253	6737462	5.178	ppb	m
18) t 1,2,4-trimethylbenzene	24.788	6872063	5.261	ppb	m
19) h butylcyclohexane	24.940	6161527	5.295	ppb	m
20) t naphthalene	27.707	4176458	5.025	ppb	m
23) t mtbe #2	9.020	1390628	4.770	ppb	m
24) t benzene #2	14.168	3298796	5.060	ppb	m
26) t toluene #2	18.664	3105756	5.083	ppb	m
28) t ethylbenzene #2	21.799	2697842	4.998	ppb	
29) t m,p-xylene #2	21.942	6728081	10.128	ppb	m
30) t o-xylene #2	22.753	2982162	5.184	ppb	m
31) t 1,3,5-trimethylbenzen...	24.254	4215296	5.100	ppb	
32) t 1,2,4-trimethylbenzen...	24.788	3241720	5.131	ppb	m
33) t naphthalene #2	27.707	2822866	4.951	ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	3252659	5.153	ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

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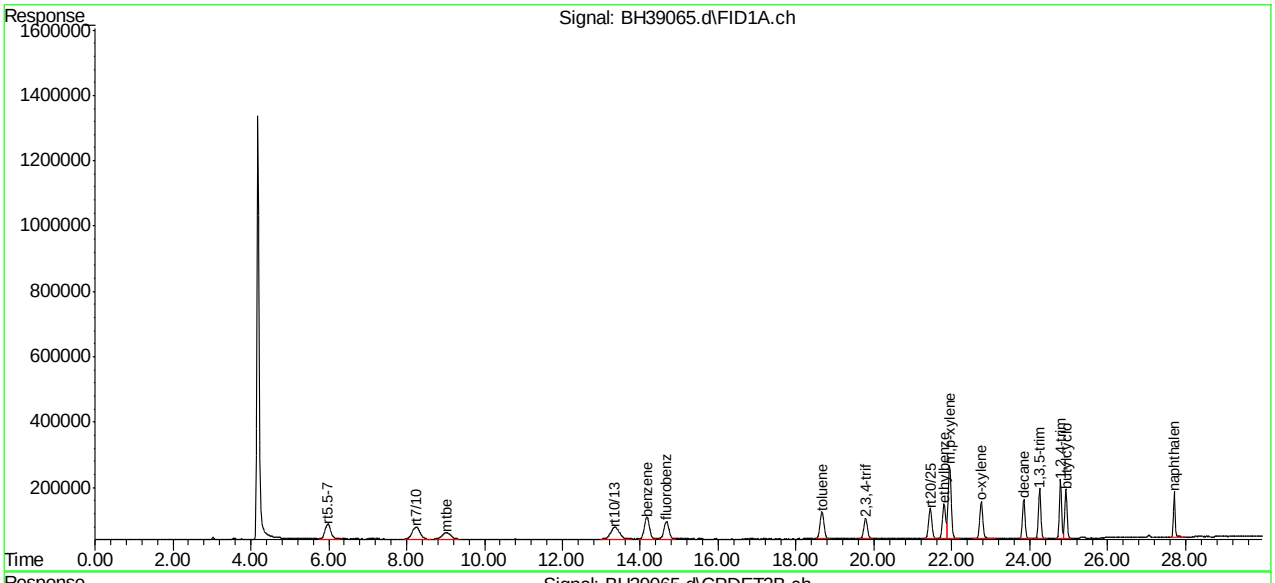
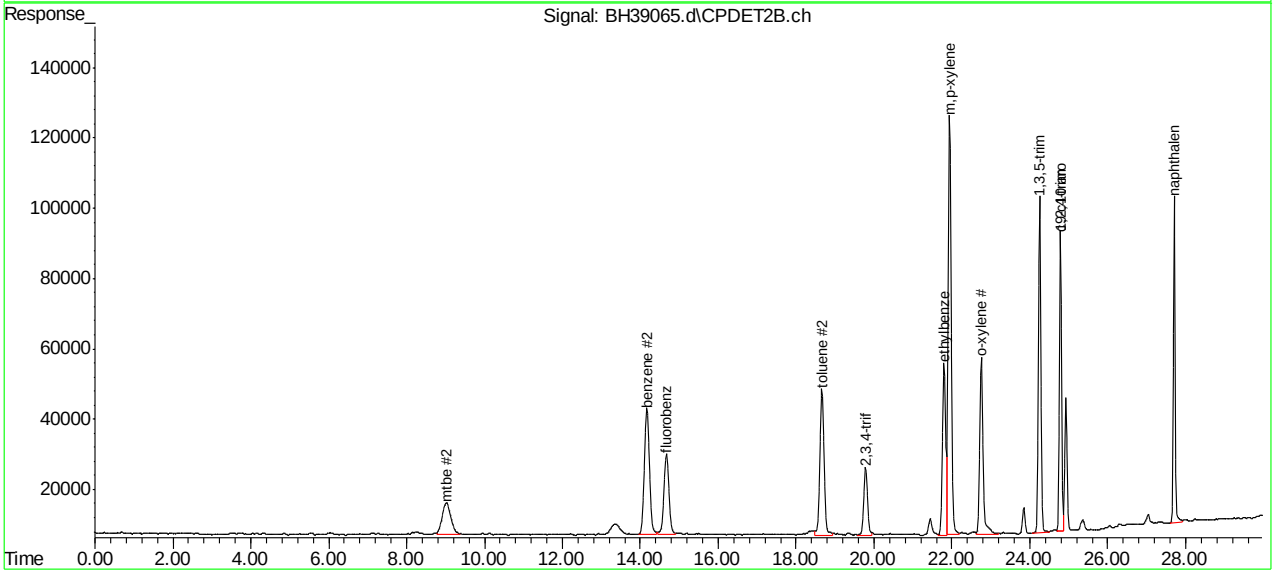
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

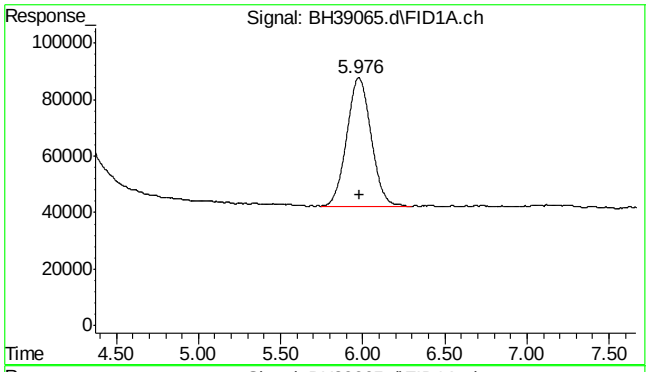
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:28:41 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



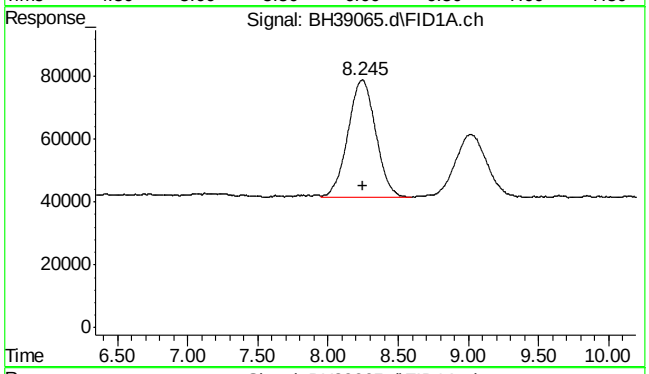


SGS ACCUTEST MC45857



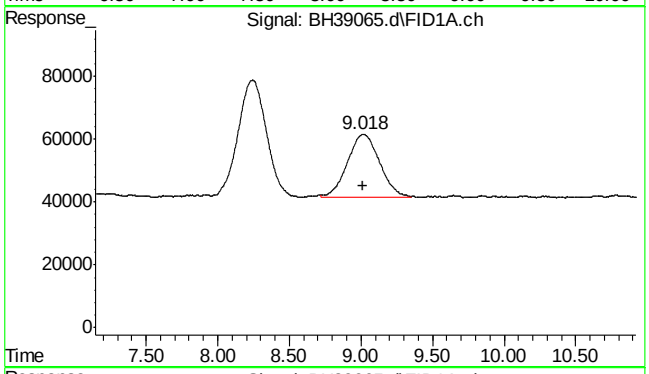
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 4708224
Conc: 5.22 ppb m



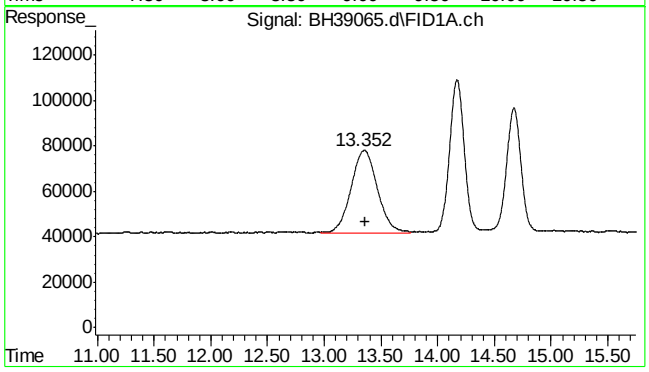
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 5141995
Conc: 5.15 ppb m



#3 mtbe

R.T.: 9.019 min
Delta R.T.: 0.006 min
Response: 3133963
Conc: 5.06 ppb



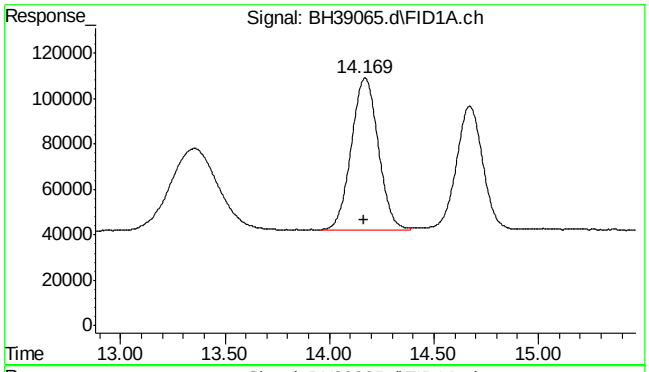
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 6233361
Conc: 5.33 ppb m

7.5.7

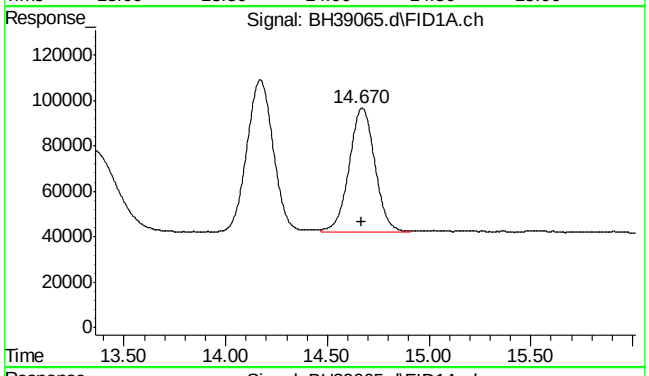
7

SGS ACCUTEST MC45857



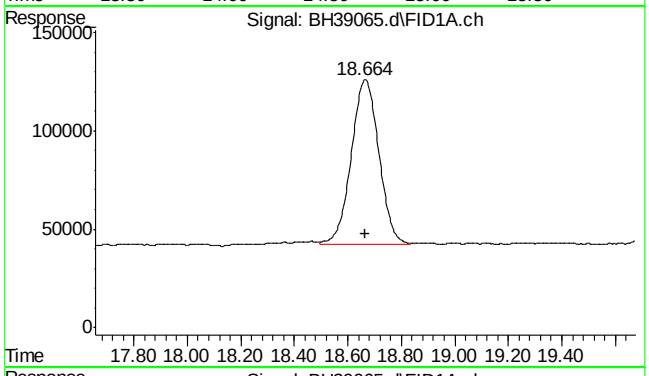
#5 benzene

R.T.: 14.169 min
Delta R.T.: 0.003 min
Response: 6043796
Conc: 5.09 ppb m



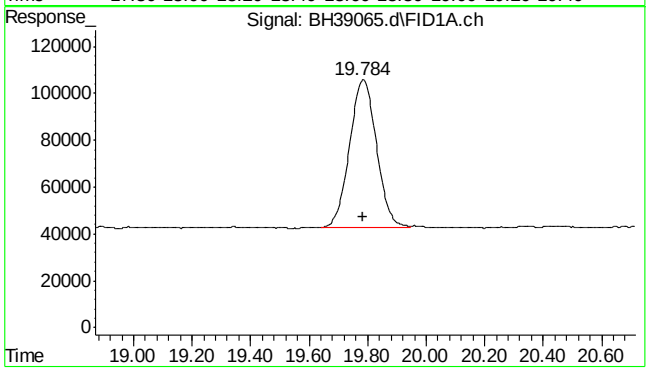
#6 fluorobenzene

R.T.: 14.670 min
Delta R.T.: 0.001 min
Response: 4828952
Conc: 5.15 ppb m



#8 toluene

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 6006535
Conc: 5.06 ppb m



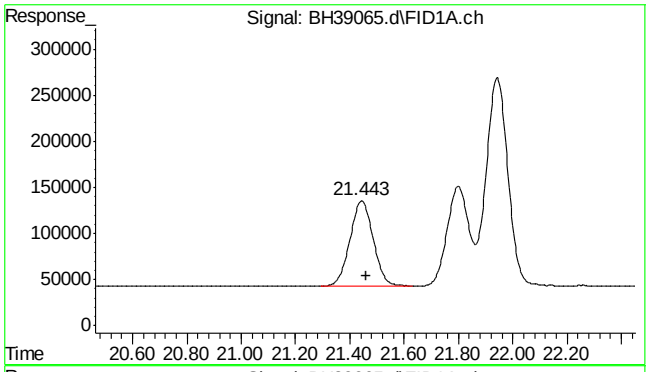
#9 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 4070940
Conc: 5.21 ppb m

7.5.7

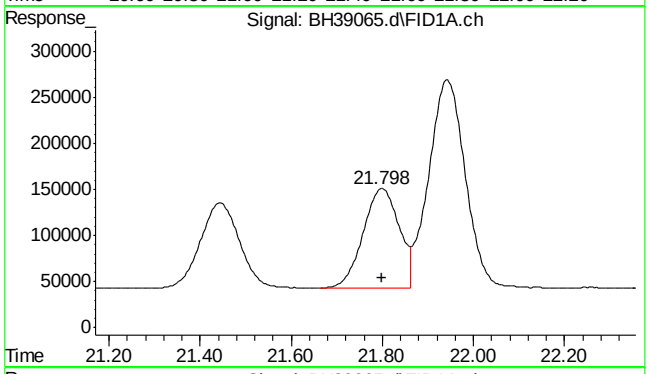
7

SGS ACCUTEST MC45857



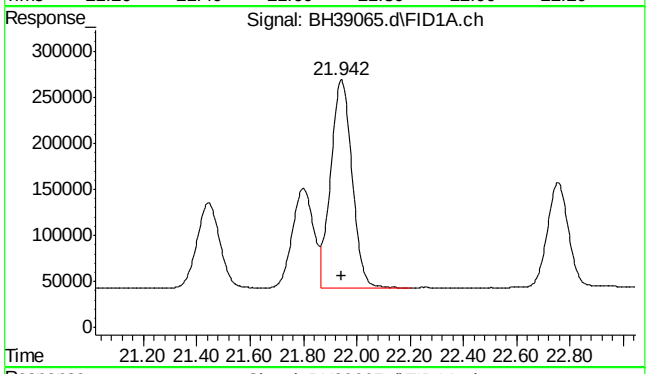
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 5550516
Conc: 5.27 ppb m



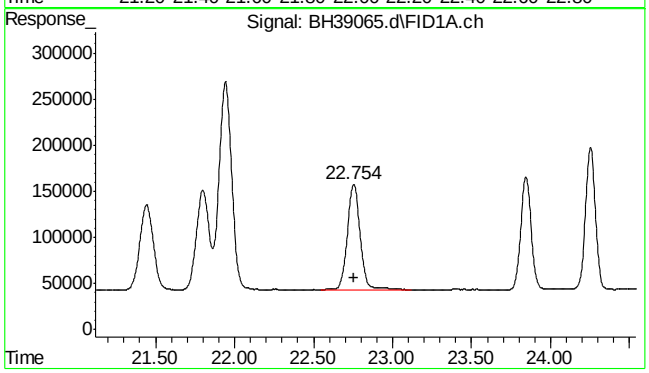
#13 ethylbenzene

R.T.: 21.798 min
Delta R.T.: 0.000 min
Response: 5965775
Conc: 5.10 ppb m



#14 m,p-xylene

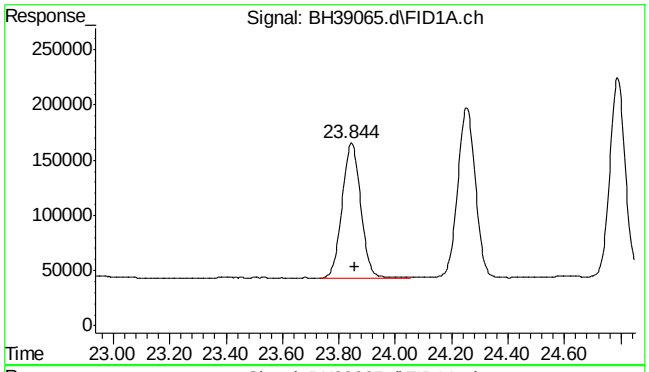
R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 12577792
Conc: 10.25 ppb m



#15 o-xylene

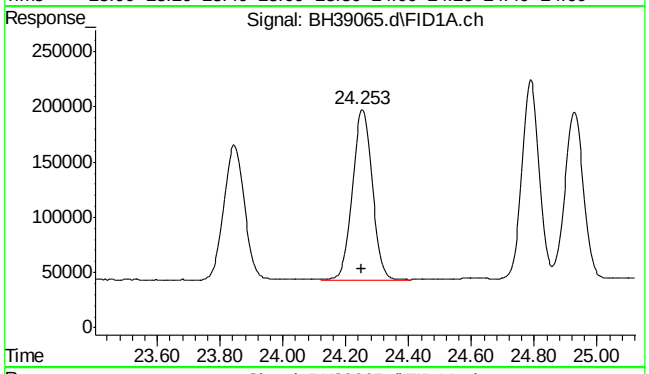
R.T.: 22.754 min
Delta R.T.: 0.000 min
Response: 6518681
Conc: 5.24 ppb m

SGS ACCUTEST MC45857



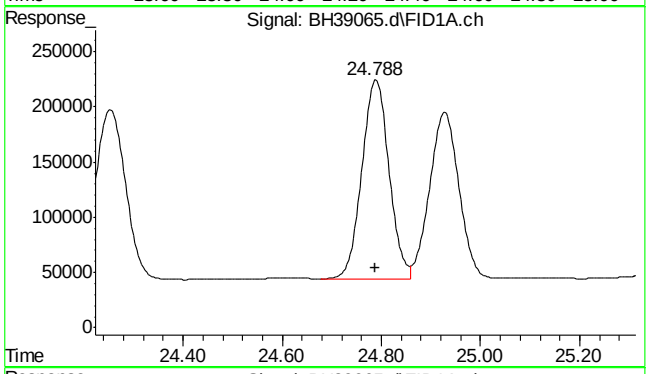
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 5652381
Conc: 5.31 ppb m



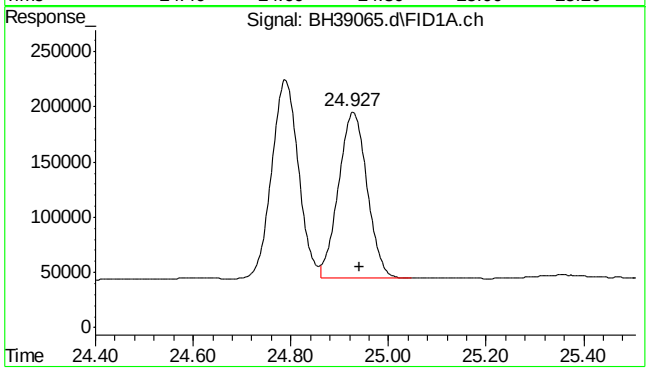
#17 1,3,5-trimethylbenzene

R.T.: 24.253 min
Delta R.T.: 0.000 min
Response: 6737462
Conc: 5.18 ppb m



#18 1,2,4-trimethylbenzene

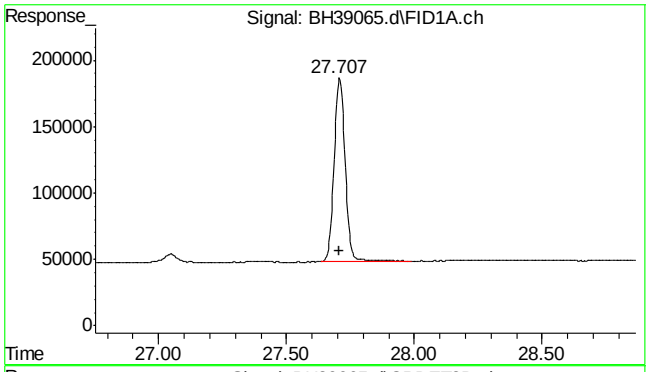
R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 6872063
Conc: 5.26 ppb m



#19 butylcyclohexane

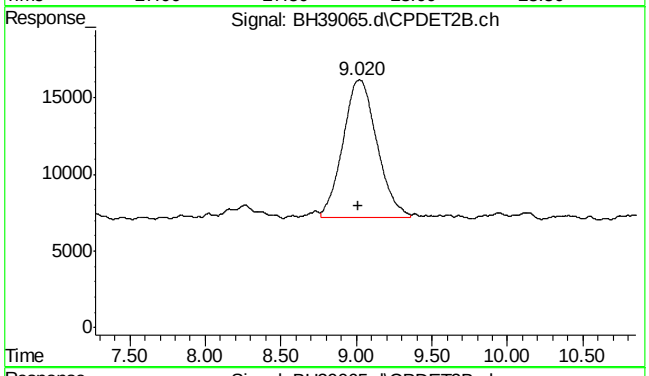
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 6161527
Conc: 5.29 ppb m

SGS ACCUTEST MC45857



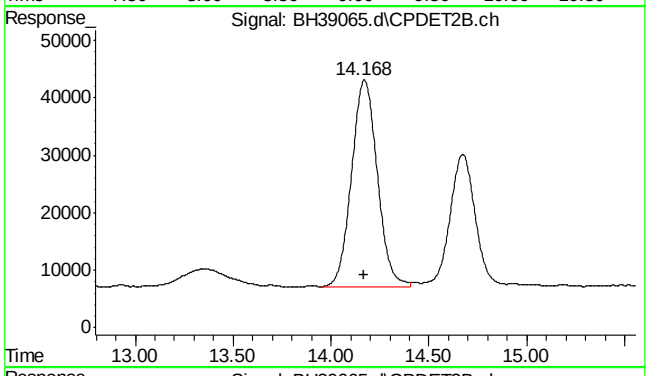
#20 naphthalene

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 4176458
Conc: 5.02 ppb m



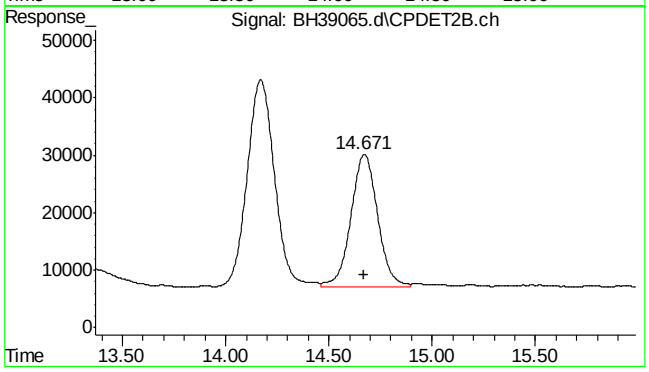
#23 mtbe #2

R.T.: 9.020 min
Delta R.T.: 0.007 min
Response: 1390628
Conc: 4.77 ppb m



#24 benzene #2

R.T.: 14.168 min
Delta R.T.: 0.002 min
Response: 3298796
Conc: 5.06 ppb m



#25 fluorobenzene #2

R.T.: 14.671 min
Delta R.T.: 0.003 min
Response: 2082667
Conc: 5.11 ppb m

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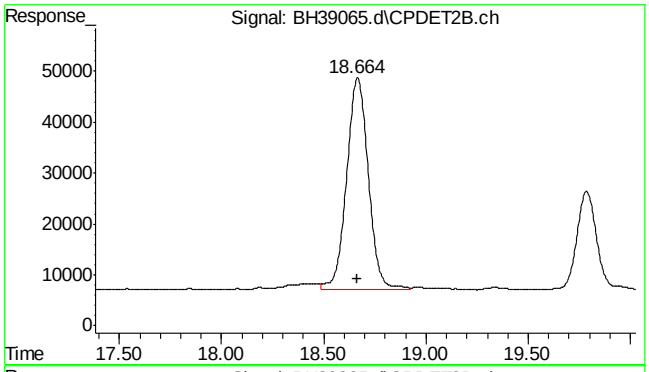
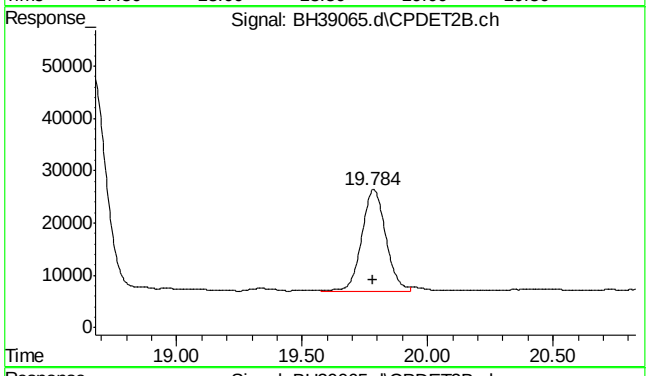


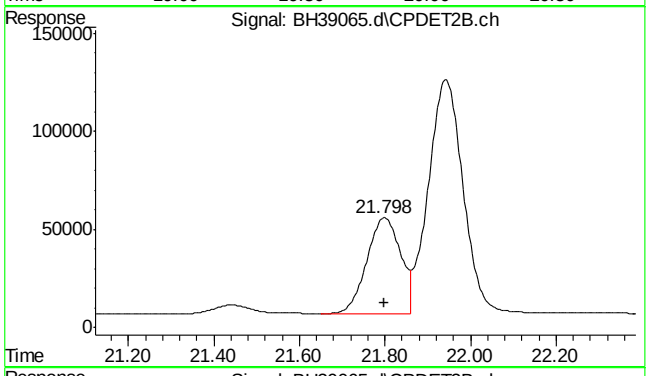
#26 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 3105756
Conc: 5.08 ppb m



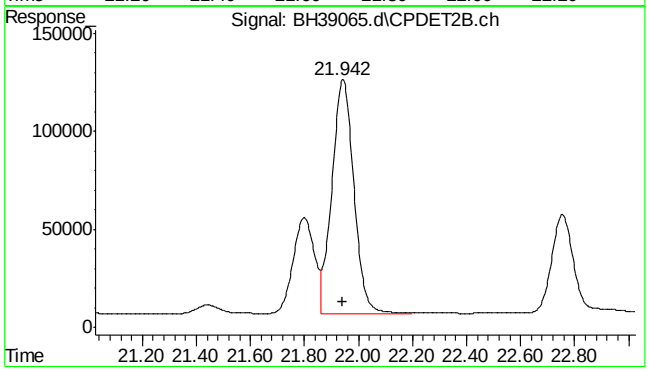
#27 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 1289798
Conc: 5.29 ppb m



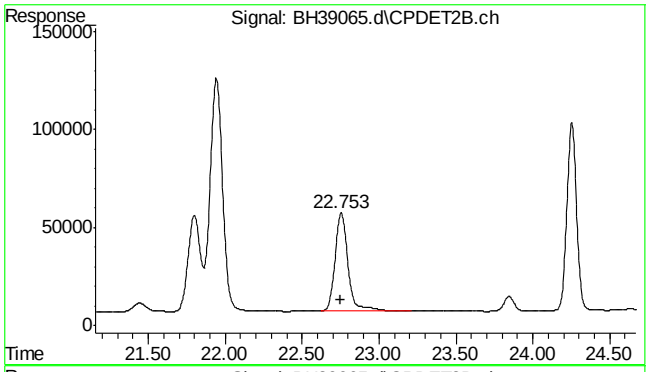
#28 ethylbenzene #2

R.T.: 21.799 min
Delta R.T.: 0.002 min
Response: 2697842
Conc: 5.00 ppb



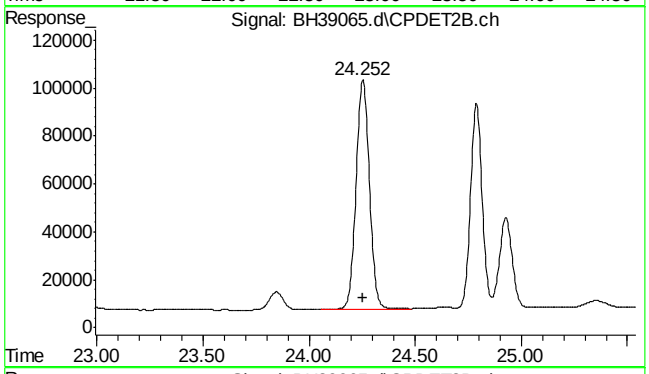
#29 m,p-xylene #2

R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 6728081
Conc: 10.13 ppb m



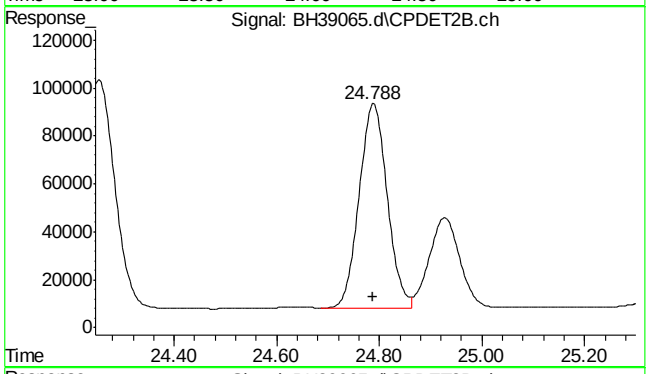
#30 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 2982162
Conc: 5.18 ppb m



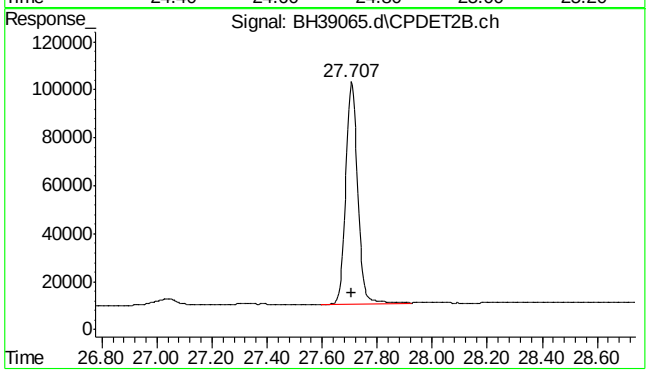
#31 1,3,5-trimethylbenzene #2

R.T.: 24.254 min
Delta R.T.: 0.002 min
Response: 4215296
Conc: 5.10 ppb



#32 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 3241720
Conc: 5.13 ppb m



#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 2822866
Conc: 4.95 ppb m

7.5.7

7

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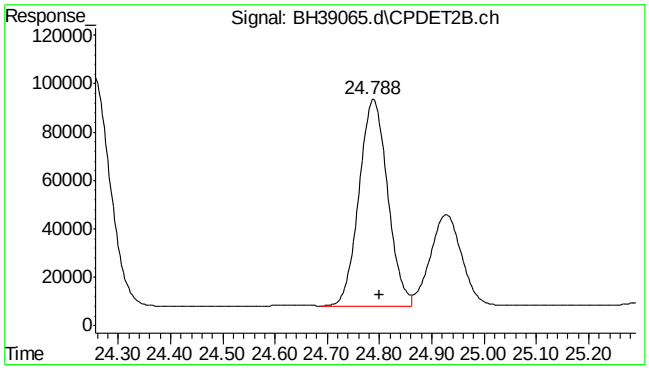

#34 c9-c10 arom as 1,2,4-tmb

R.T.:	24.800 min
Delta R.T.:	0.000 min
Response:	3252659
Conc:	5.15 ppb m

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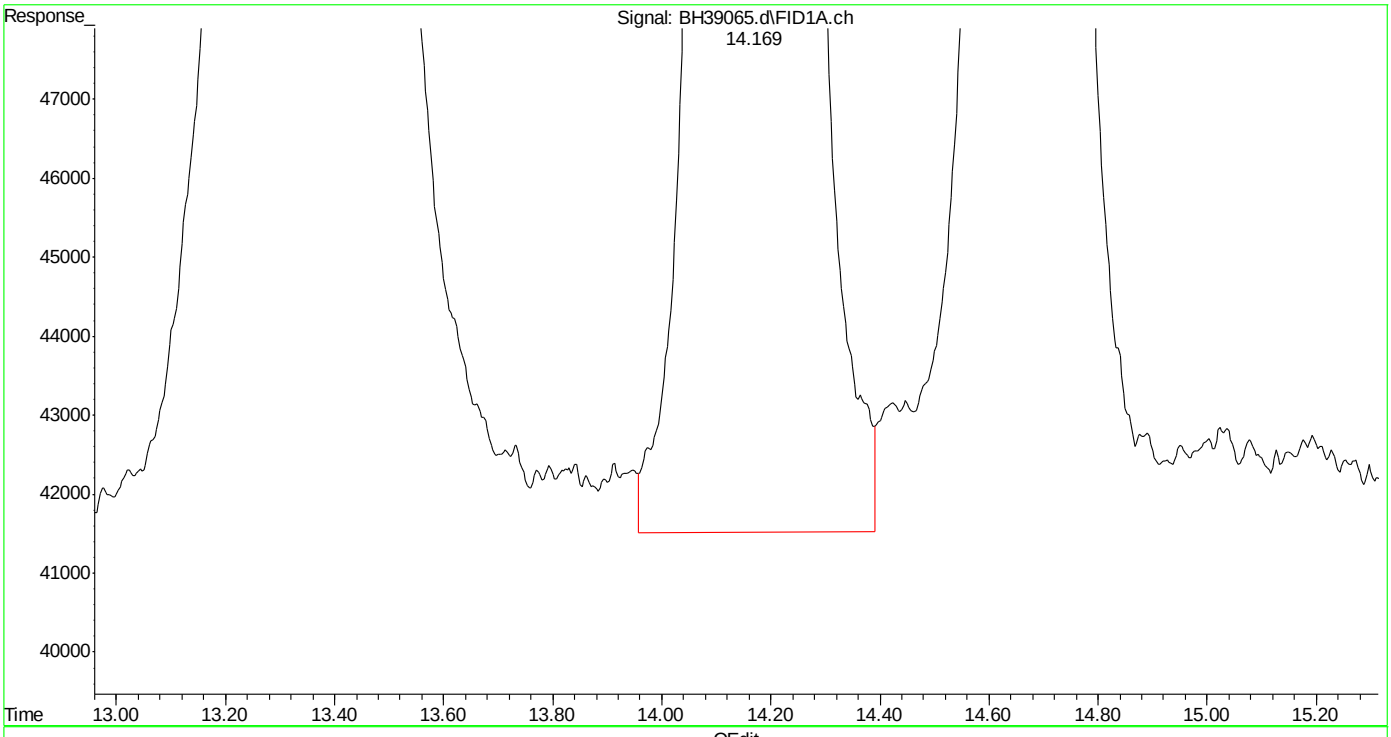
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.170min 5.210 ppb
response 6180767

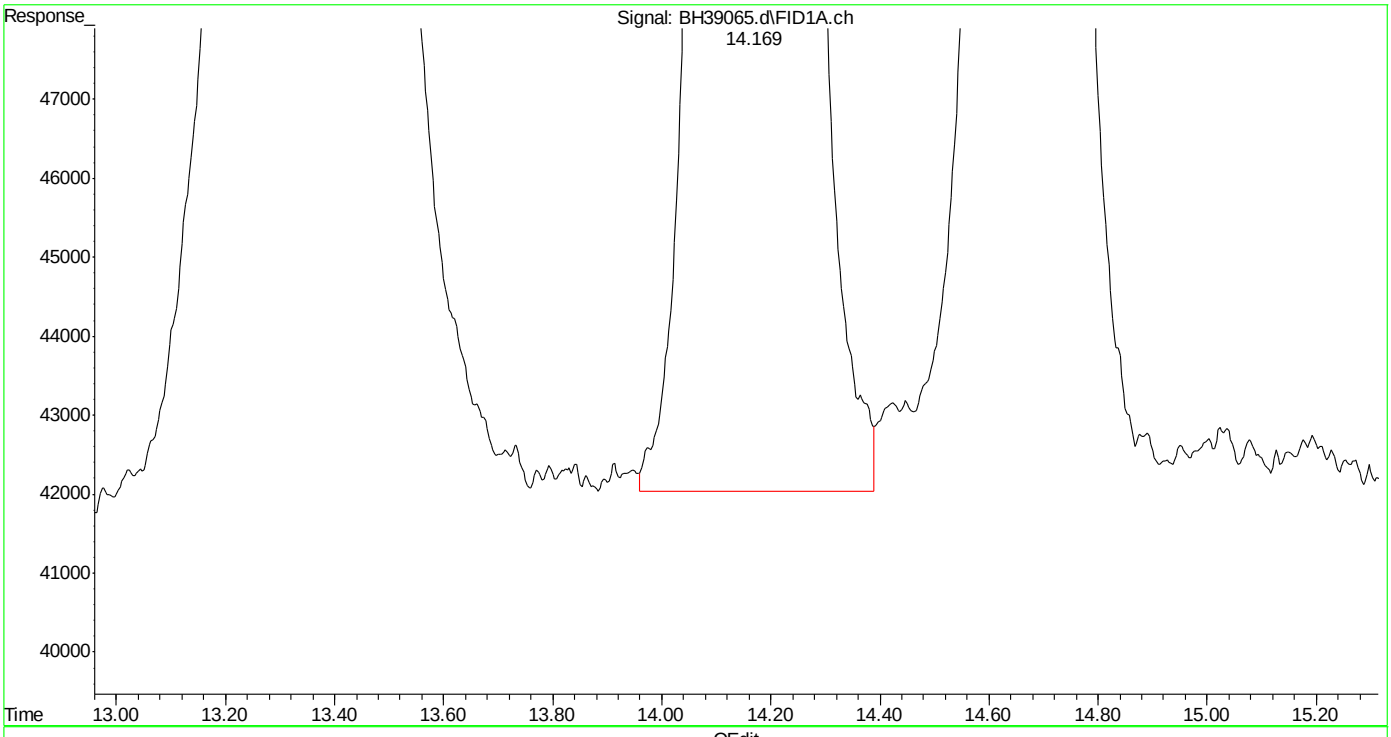
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:22 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.169min 5.094 ppb m
response 6043796

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:29 2016 Page: 1

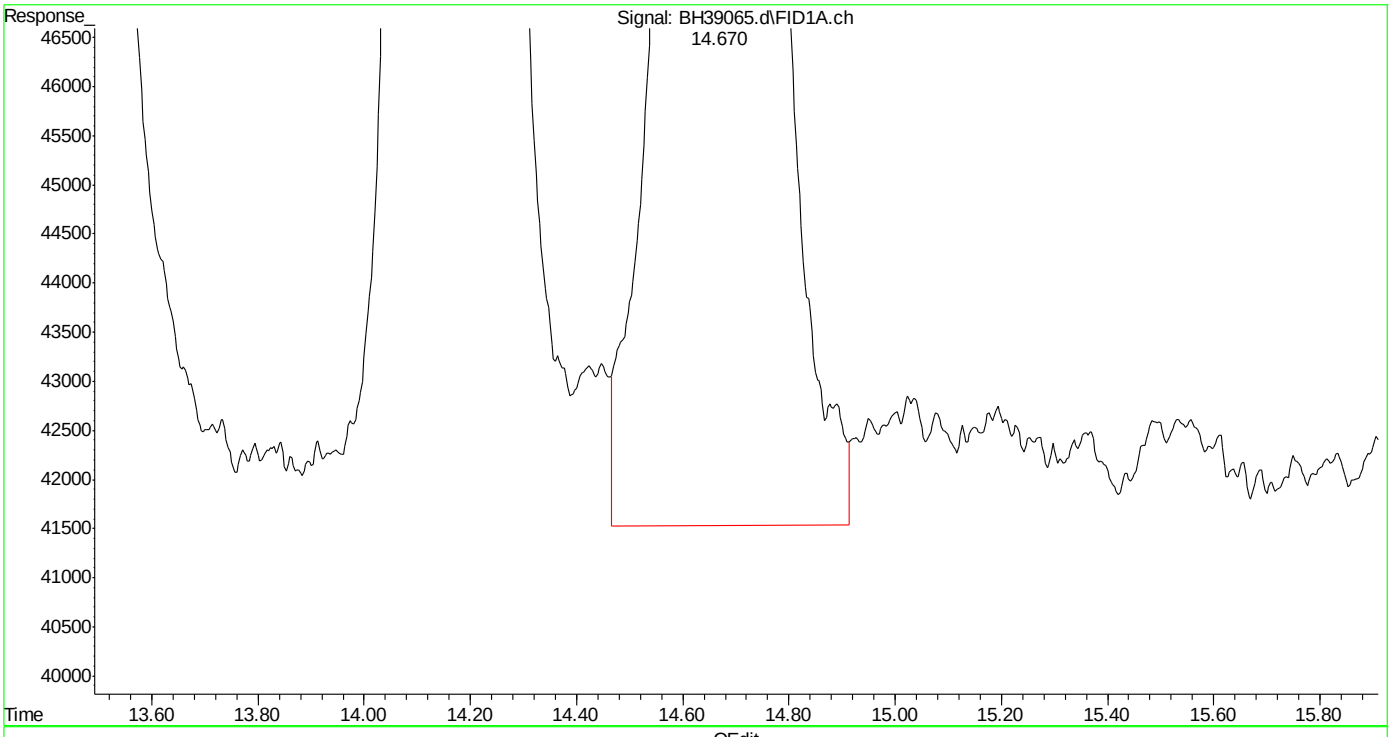
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.671min 5.302 ppb
response 4970242

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:33 2016 Page: 1

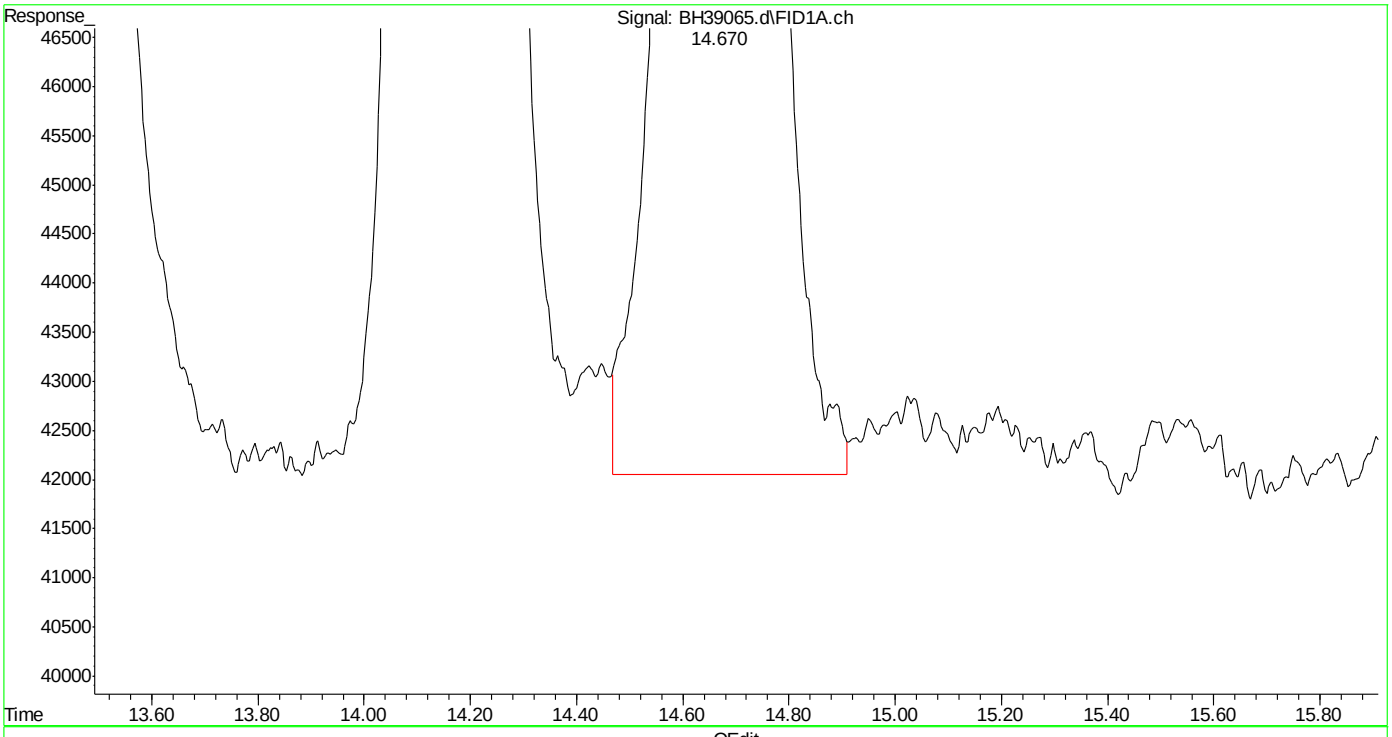
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.670min 5.151 ppb m
response 4828952

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:43 2016 Page: 1

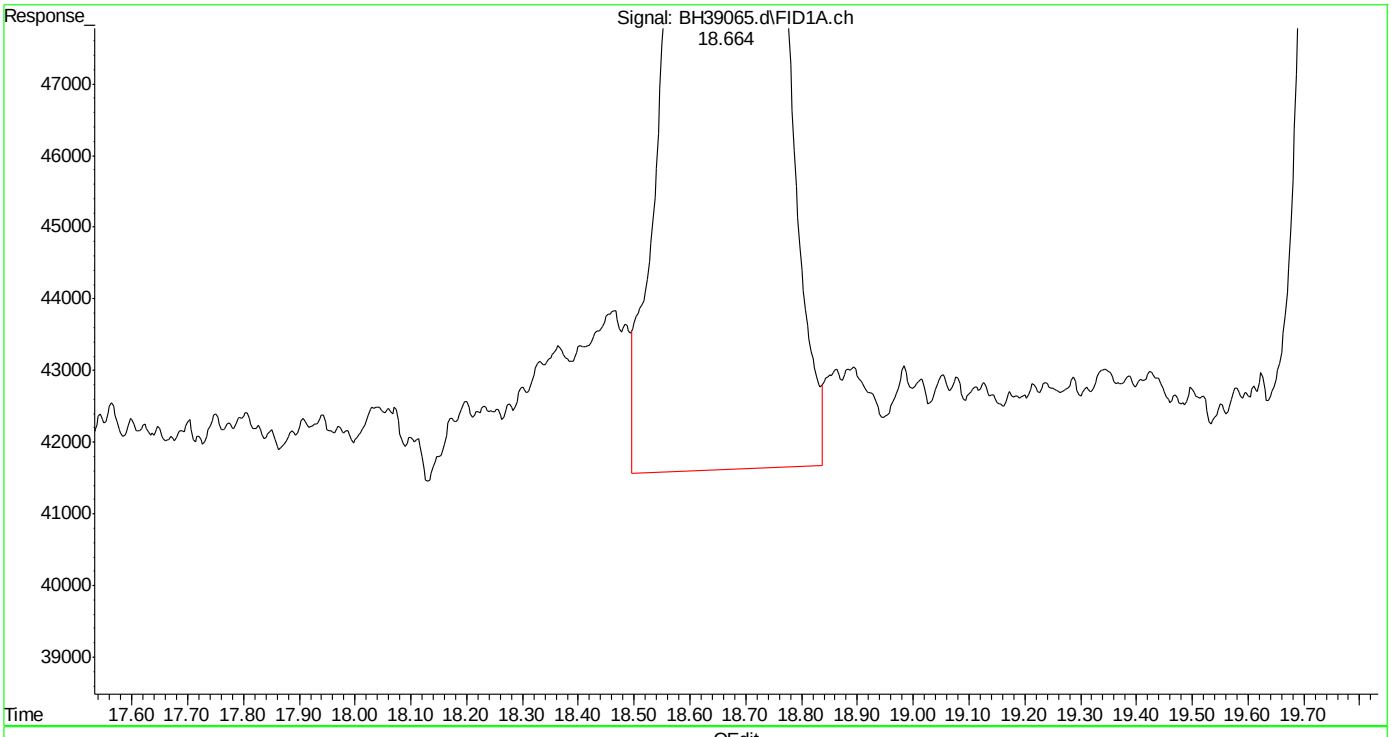
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.666min 5.191 ppb
response 6161338

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:48 2016

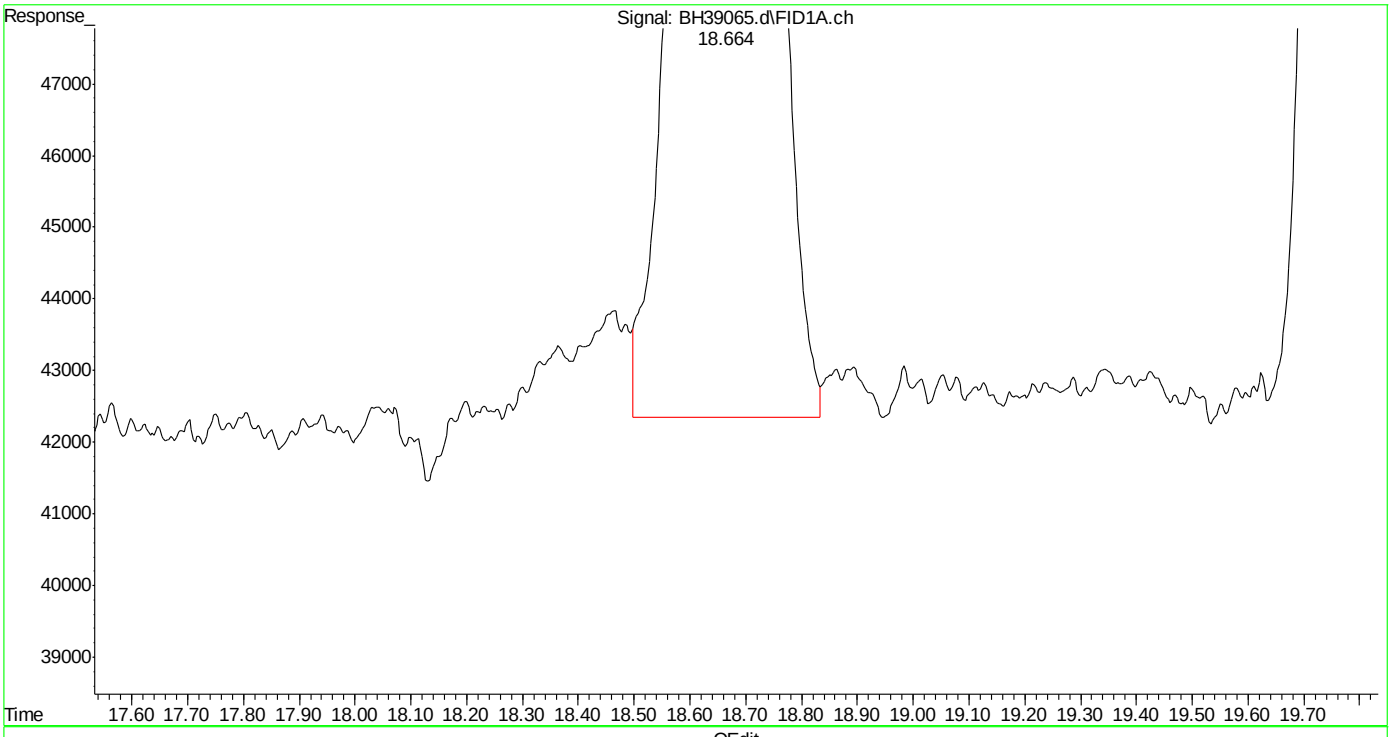
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.664min 5.060 ppb m
response 6006535

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:16:56 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(9) 2,3,4-trifluorotoluene (s)
19.785min 5.453 ppb
response 4261419

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:17:01 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(9) 2,3,4-trifluorotoluene (s)
19.784min 5.209 ppb m
response 4070940

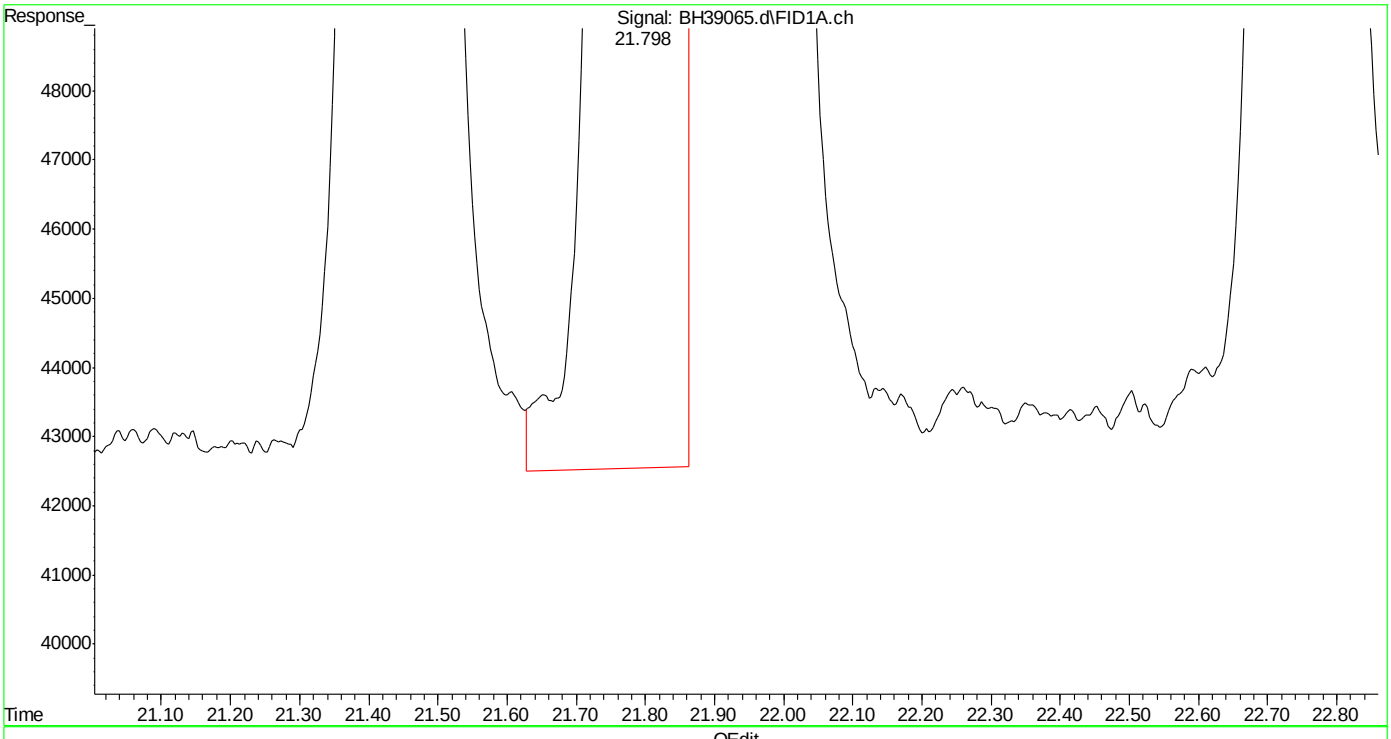
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:17:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.800min 5.151 ppb
response 6022462

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:17:32 2016

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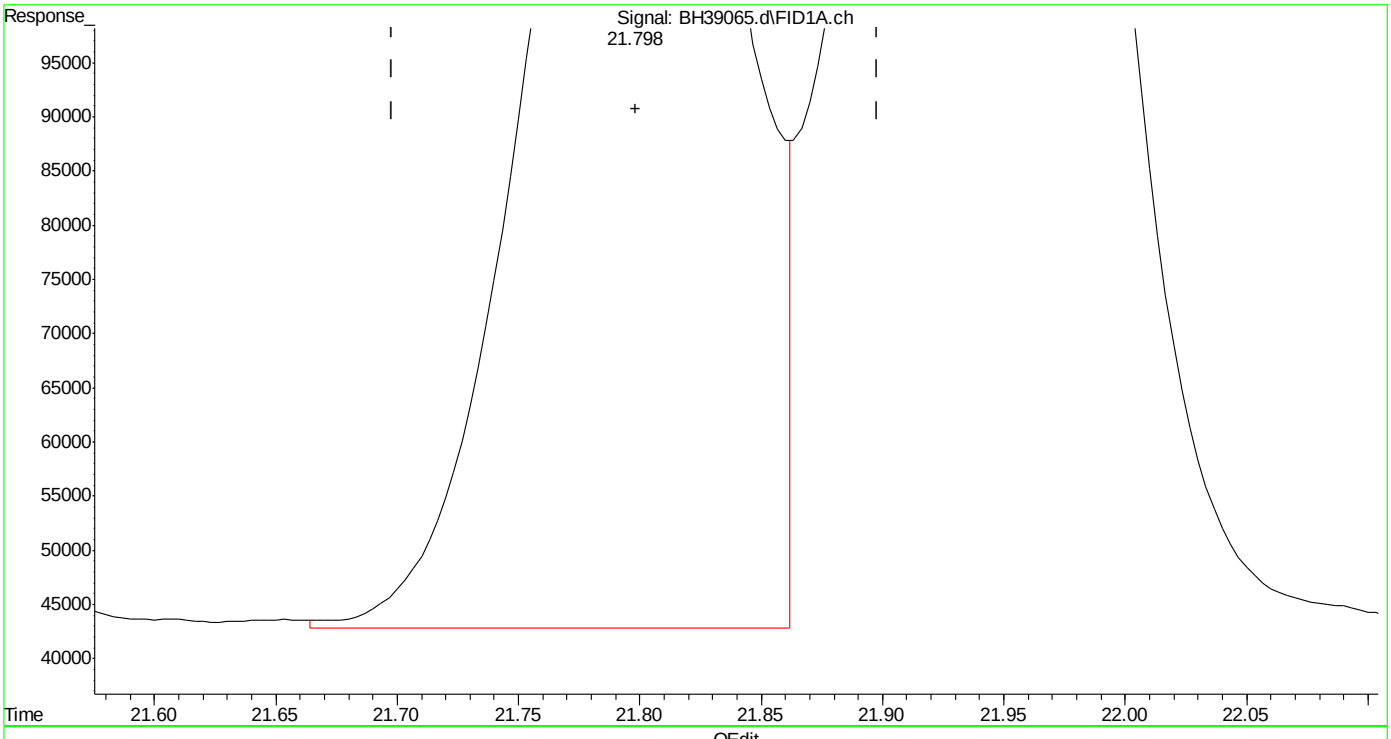
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.798min 5.102 ppb m
response 5965775

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:17:51 2016

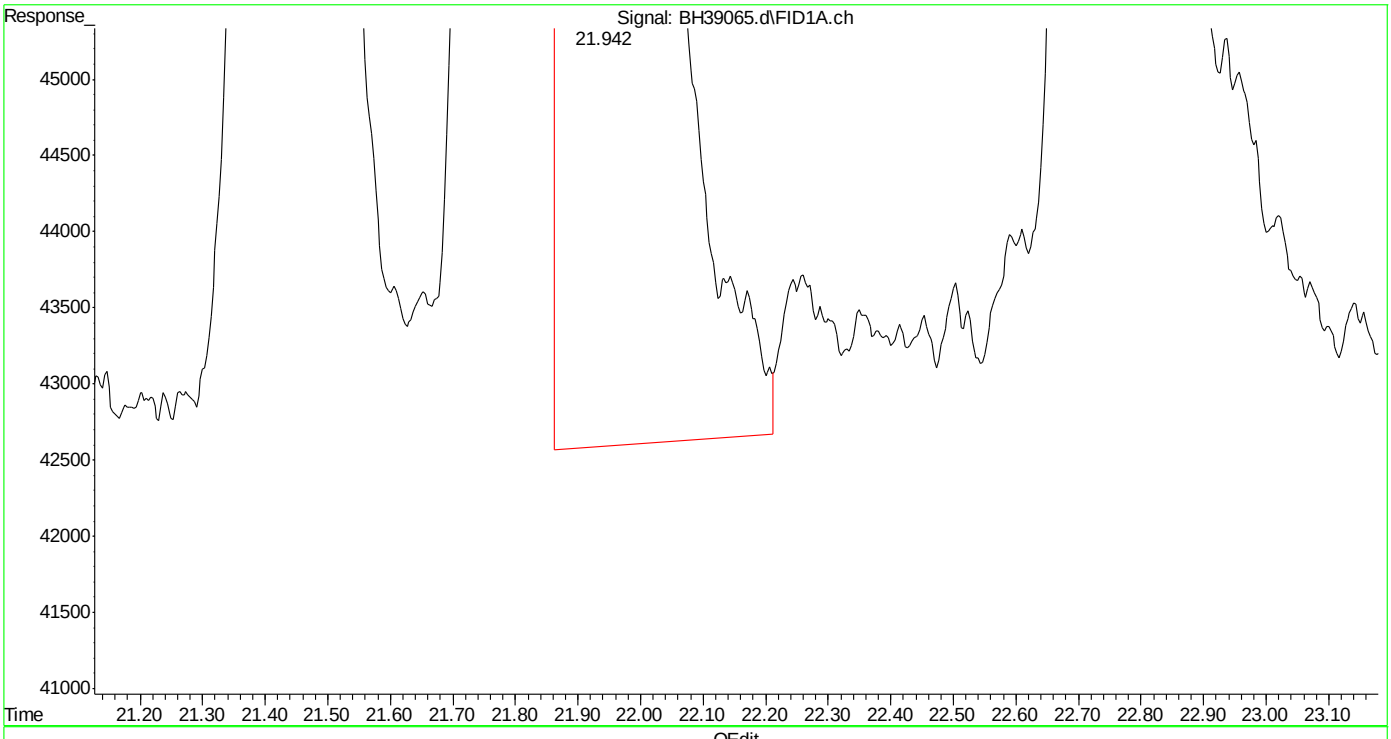
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 10.364 ppb
response 12721518

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:17:56 2016

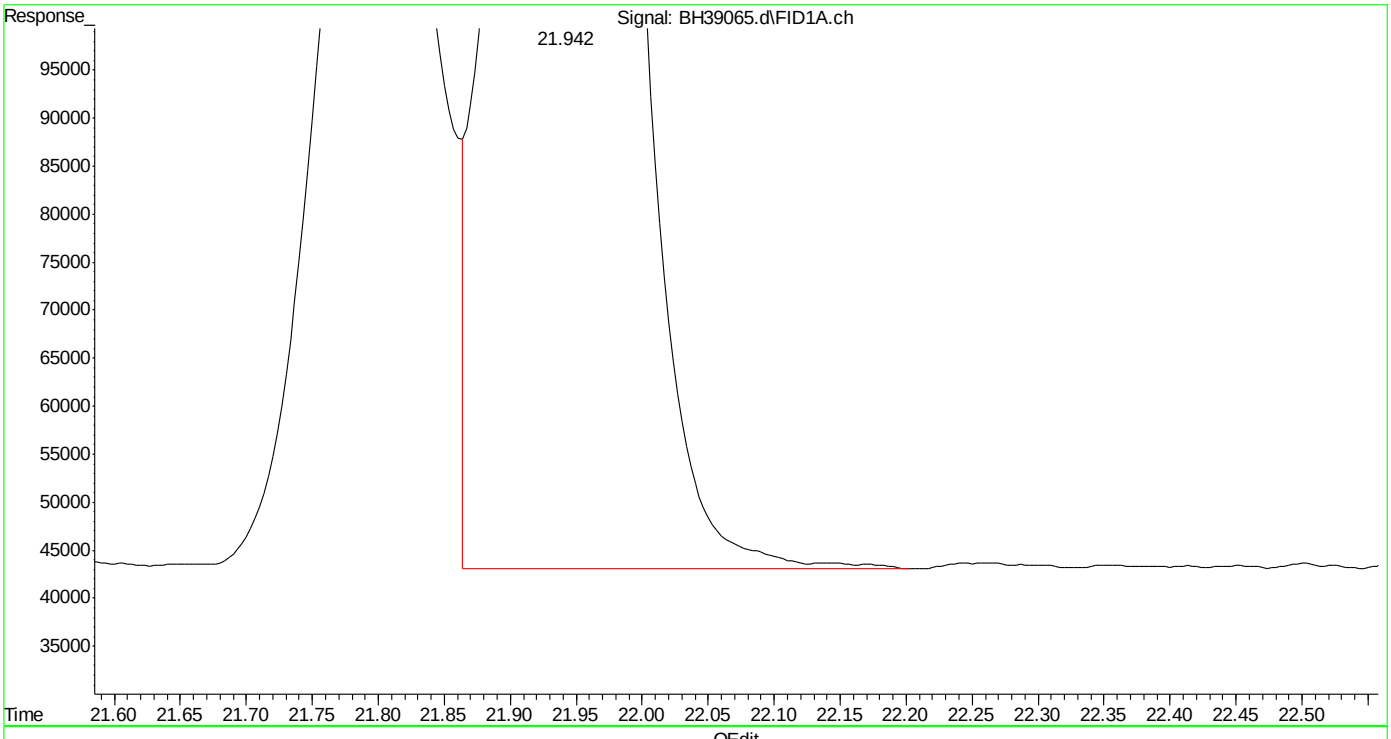
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.942min 10.247 ppb m
response 12577792

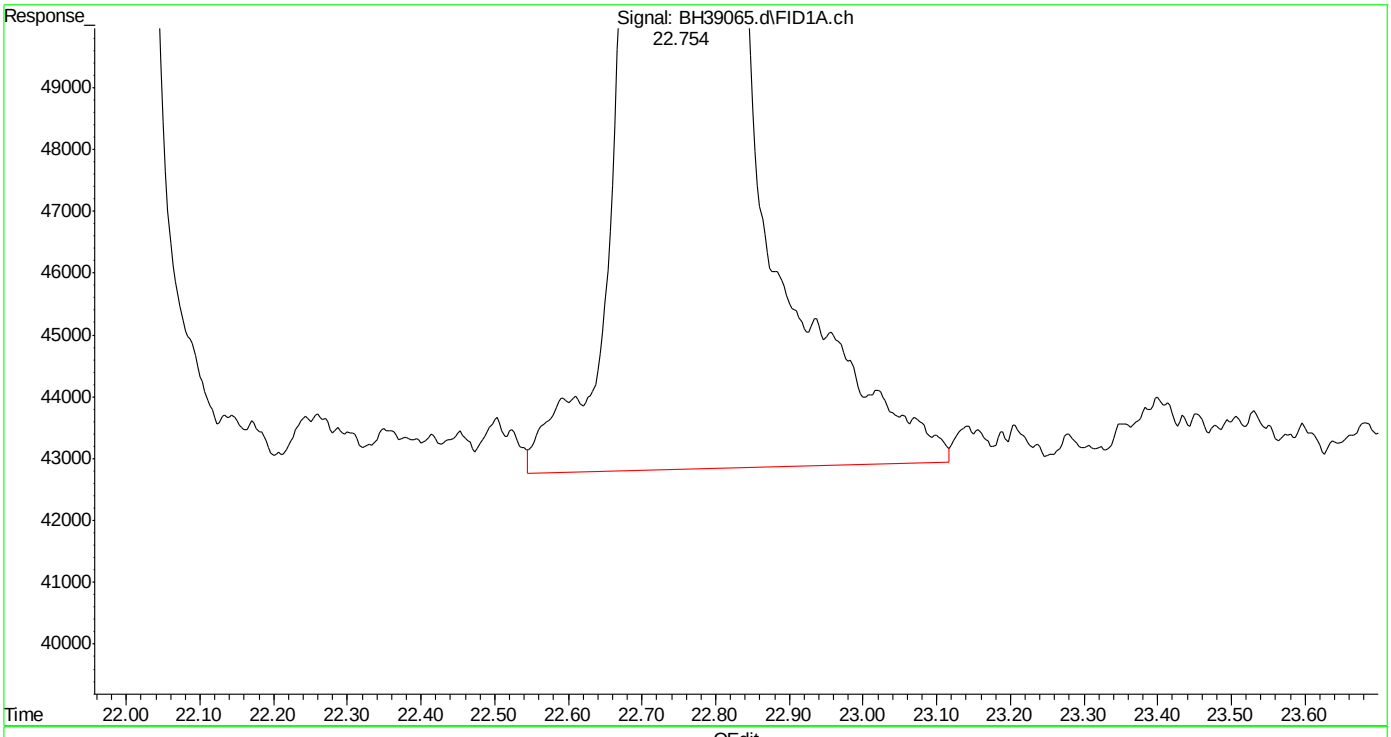
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:05 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.755min 5.310 ppb
response 6611096

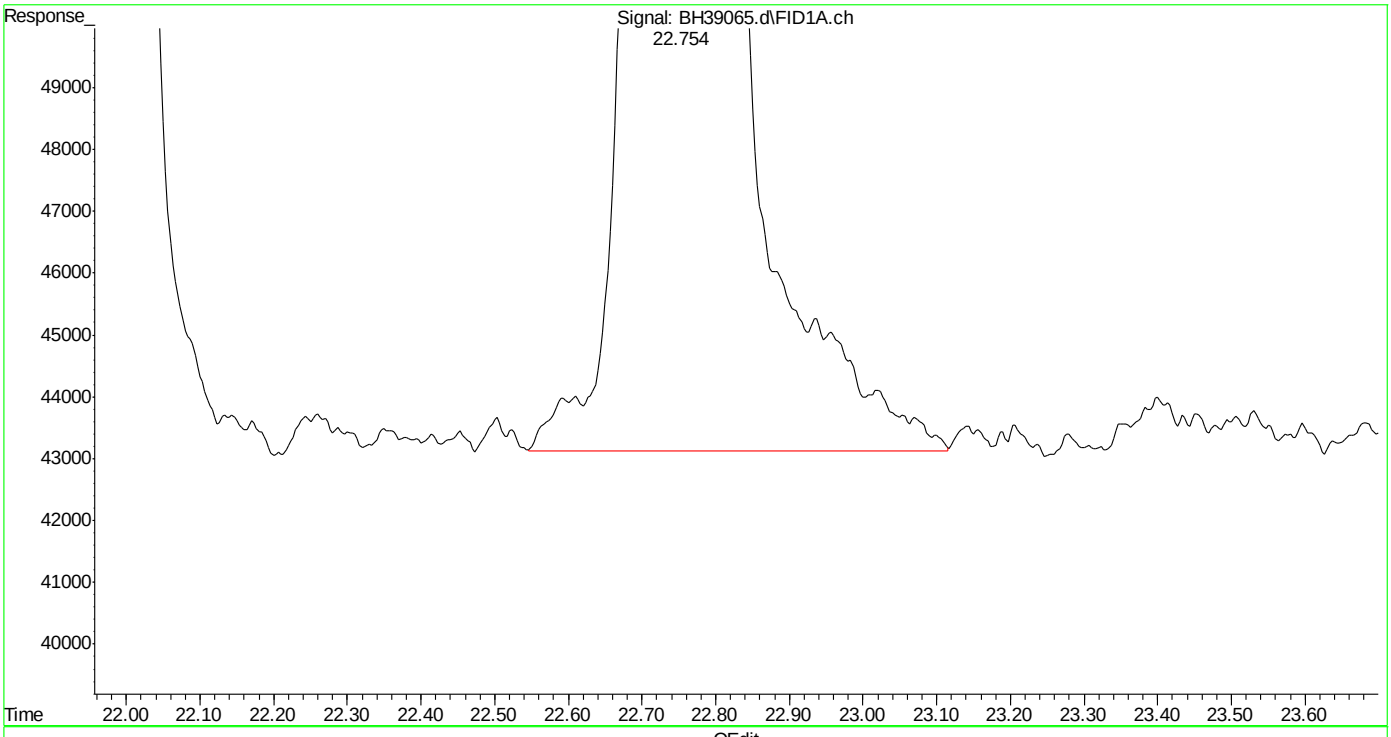
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:20 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.754min 5.235 ppb m
response 6518681

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:30 2016

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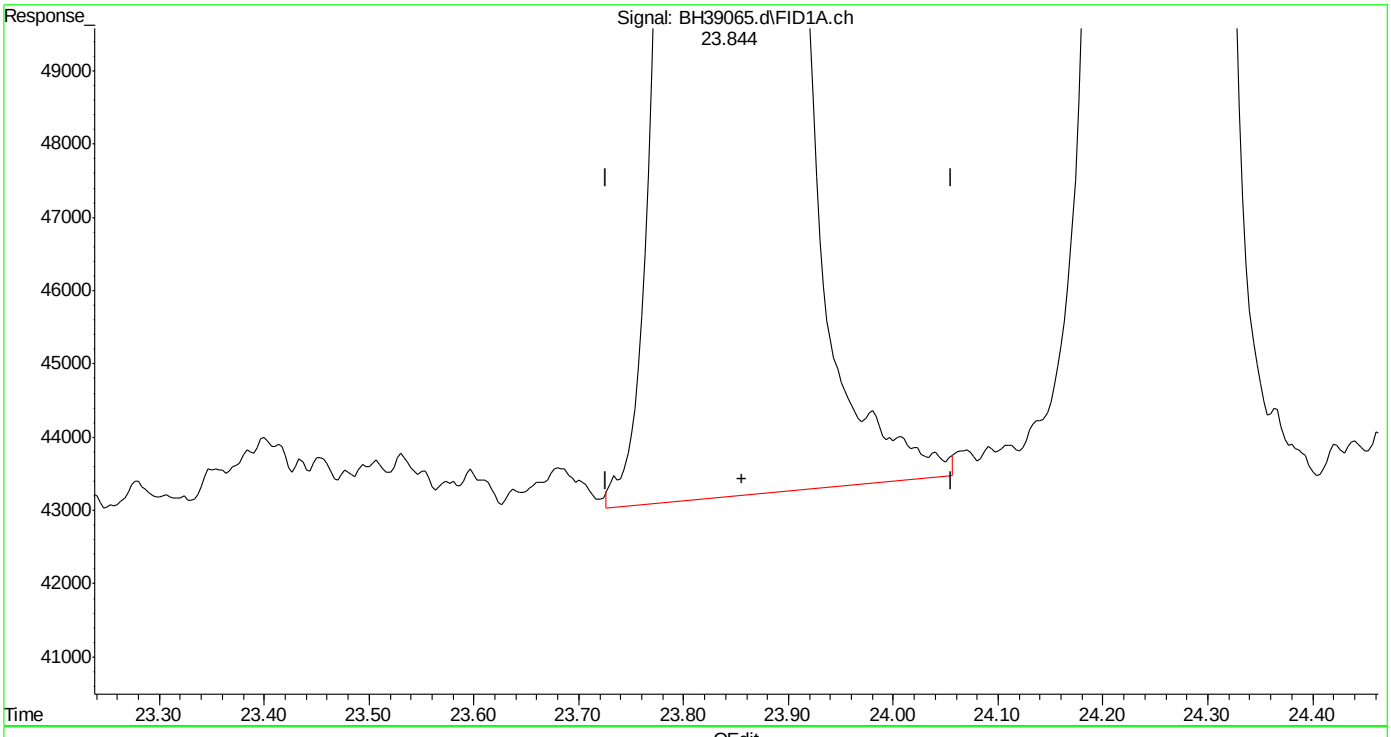
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 5.291 ppb
response 5630528

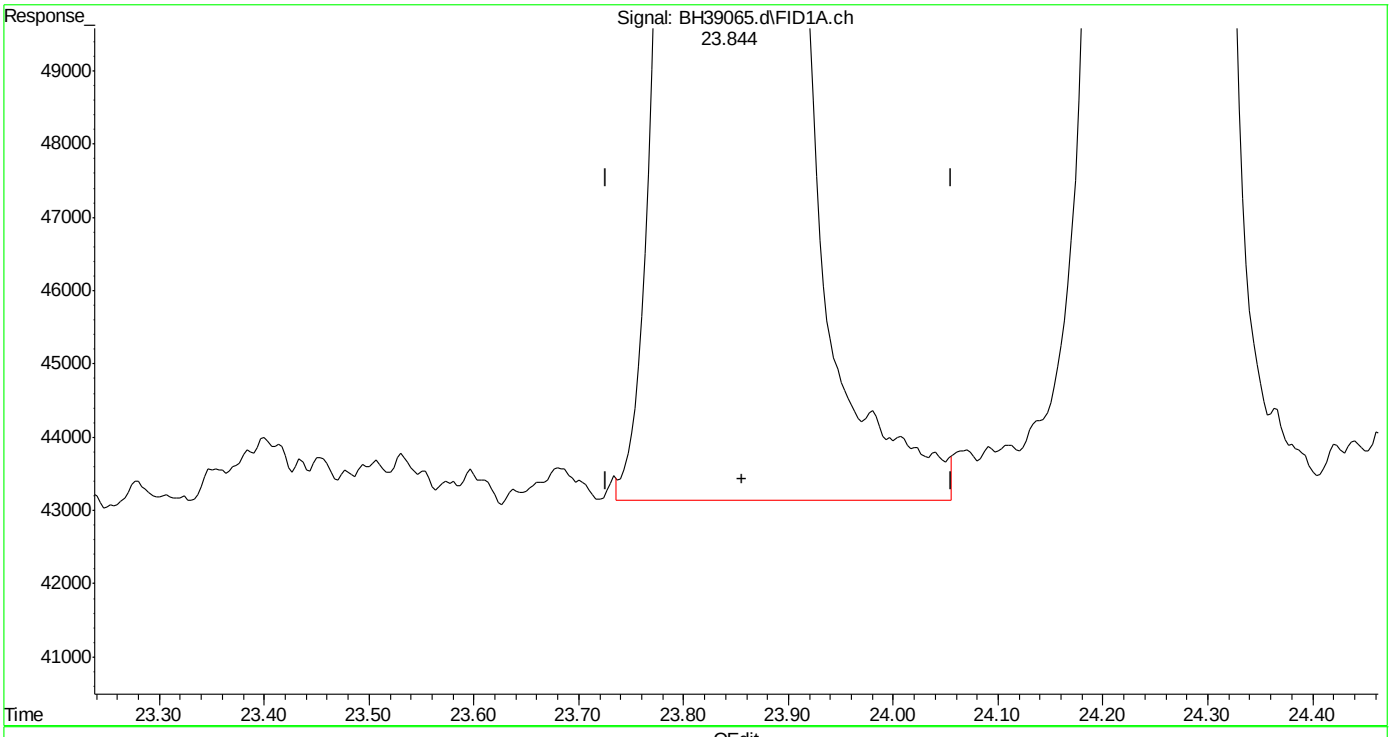
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:34 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 5.312 ppb m
response 5652381

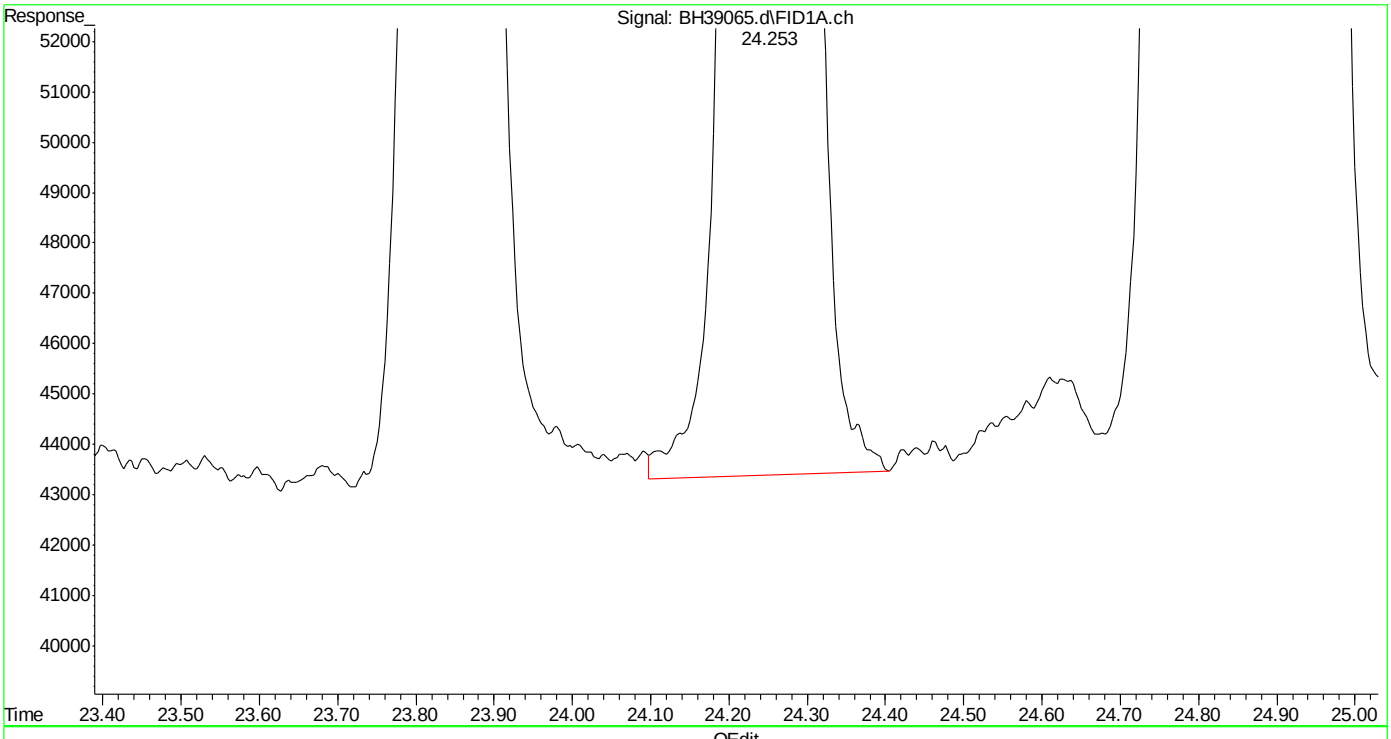
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:39 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 5.189 ppb
response 6751596

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:45 2016 Page: 1

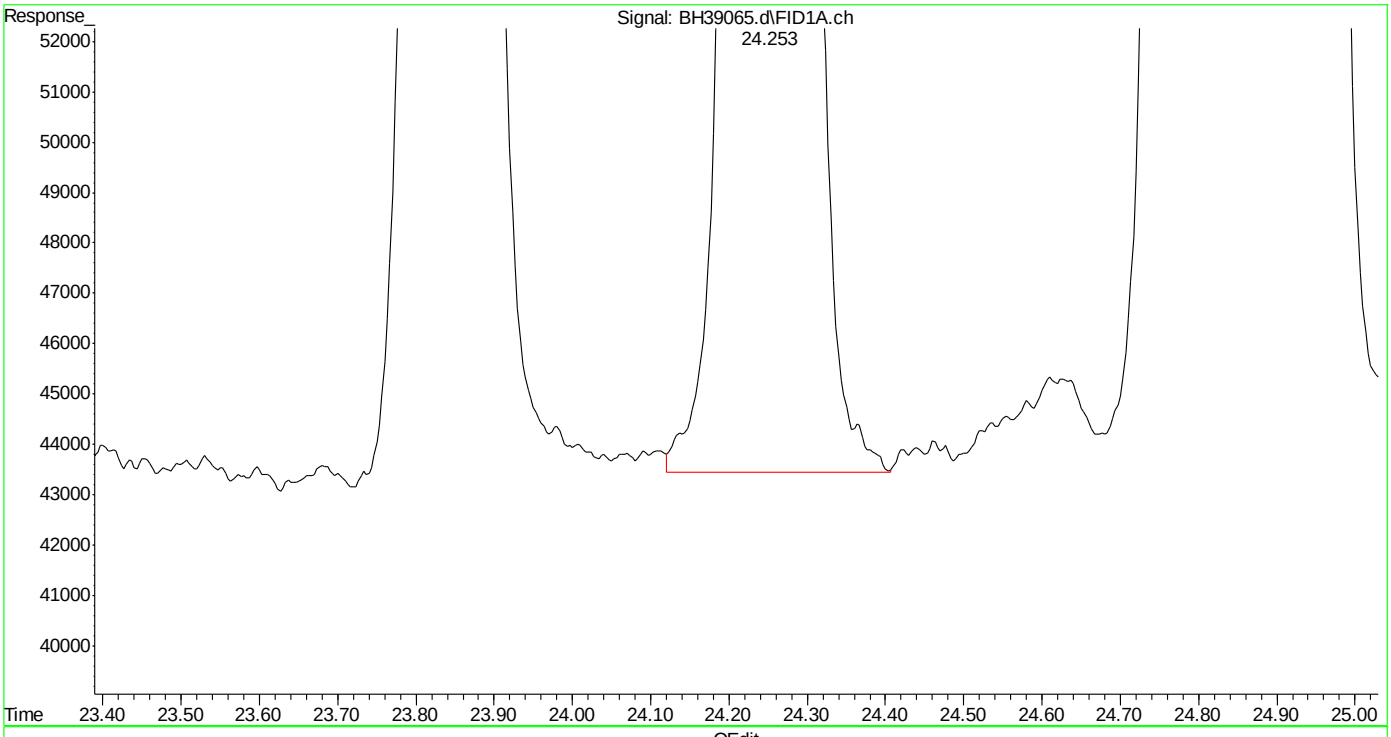
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.253min 5.178 ppb m
response 6737462

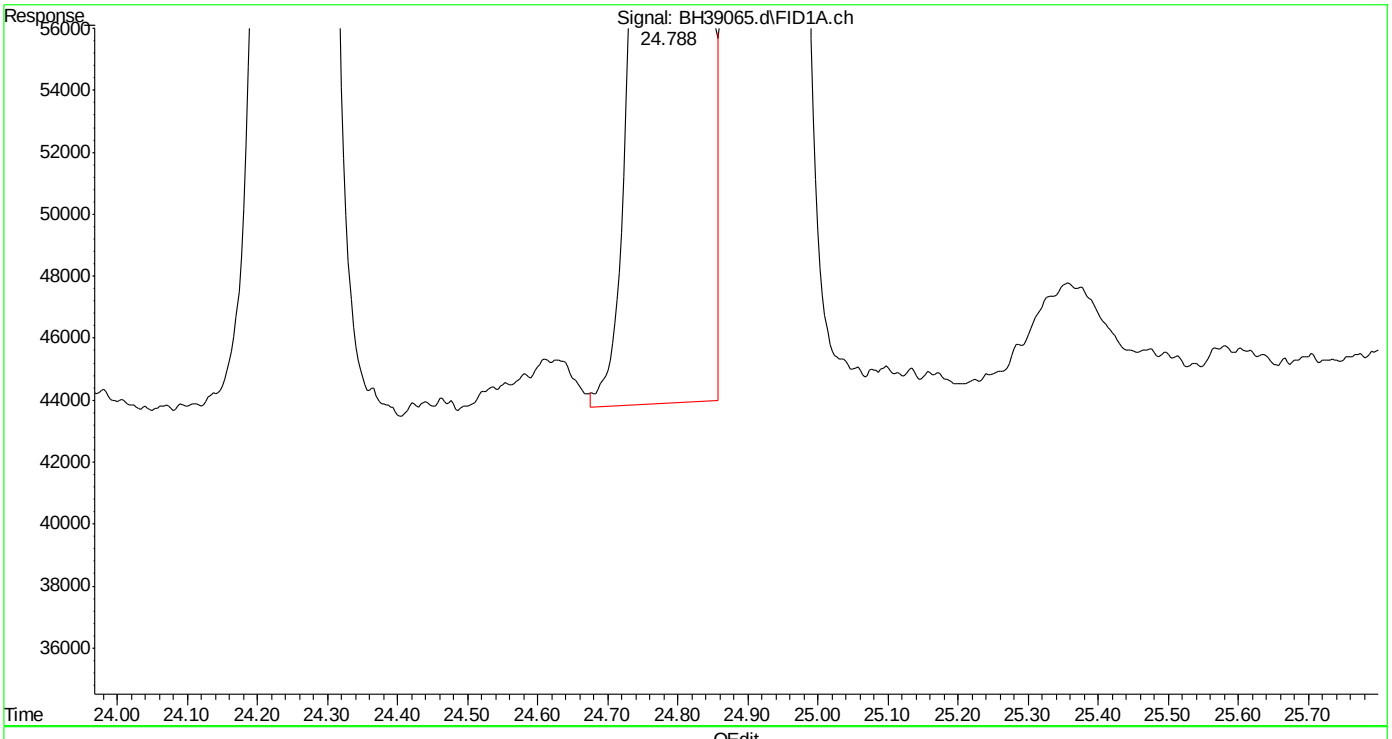
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:51 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.789min 5.282 ppb
response 6899255

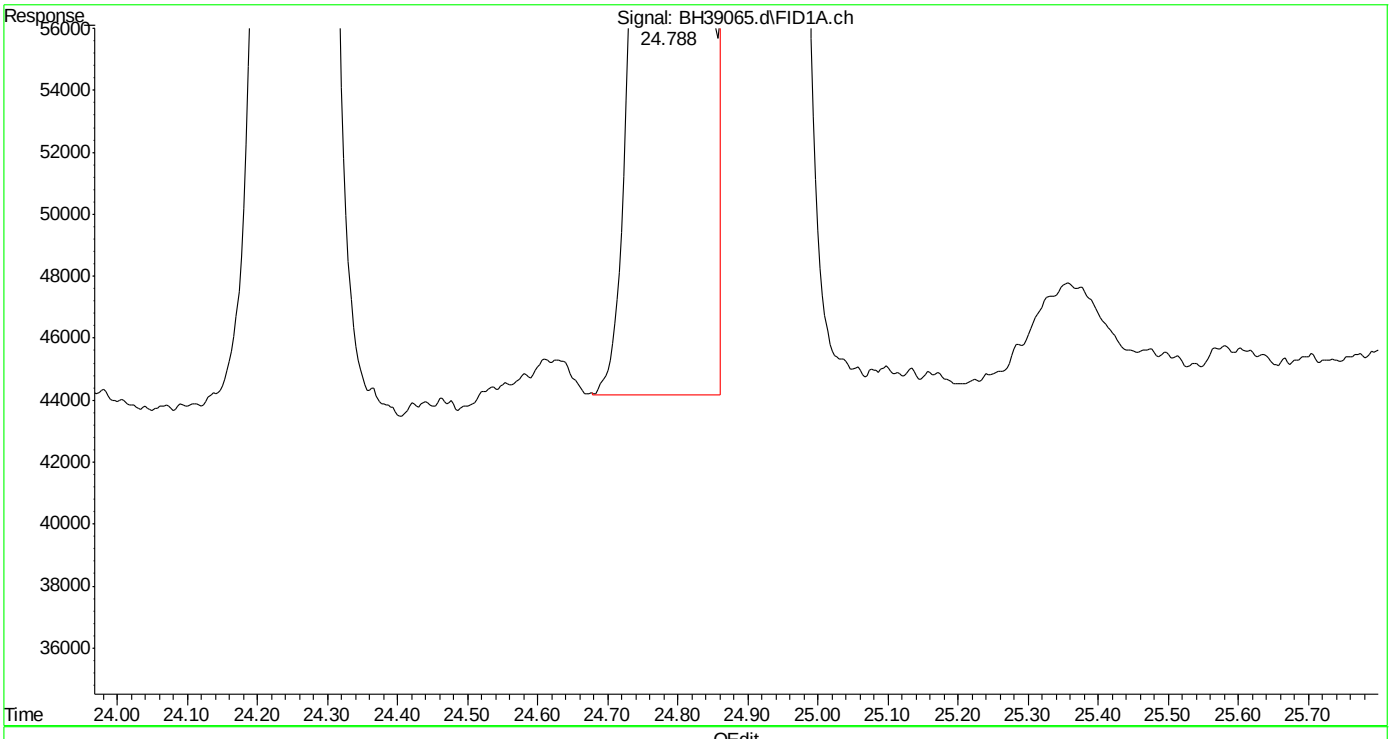
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:18:56 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)
24.788min 5.261 ppb m
response 6872063

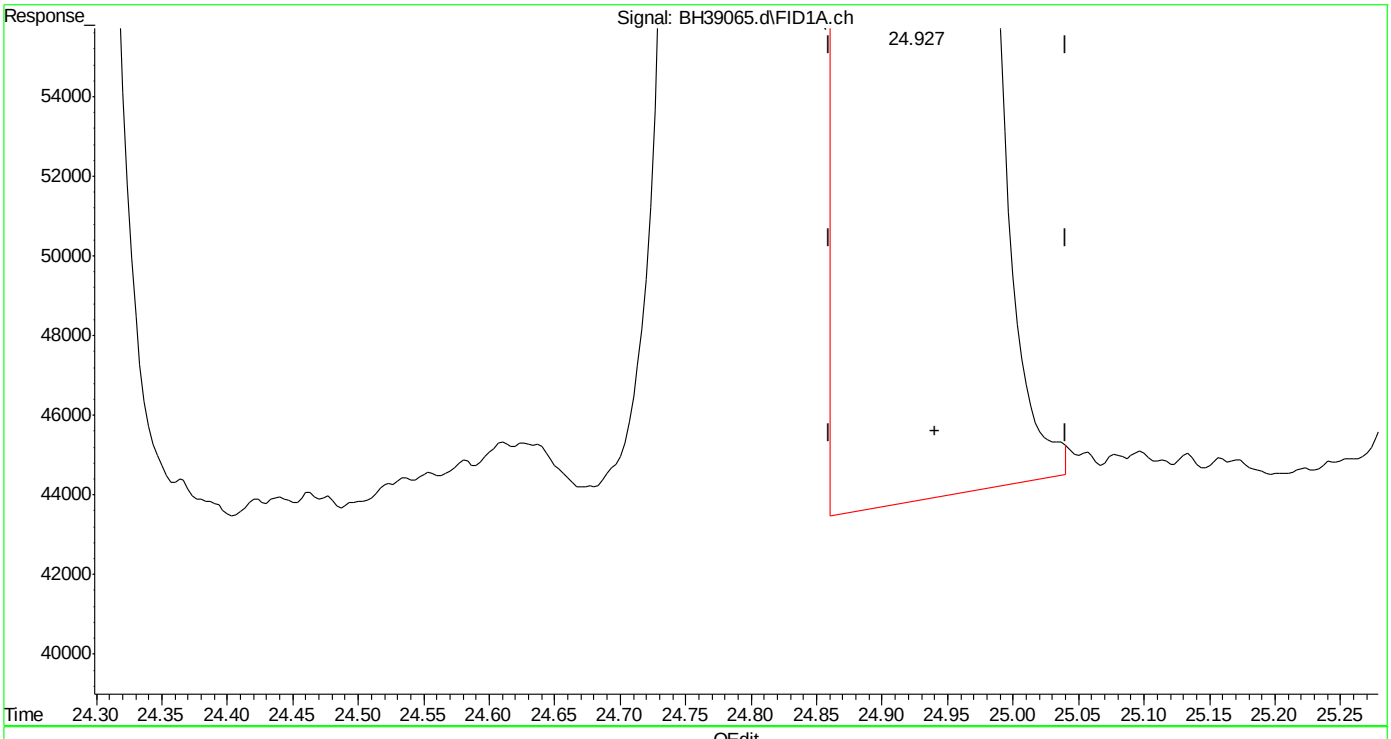
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:19:02 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 5.313 ppb
response 6182541

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:19:07 2016

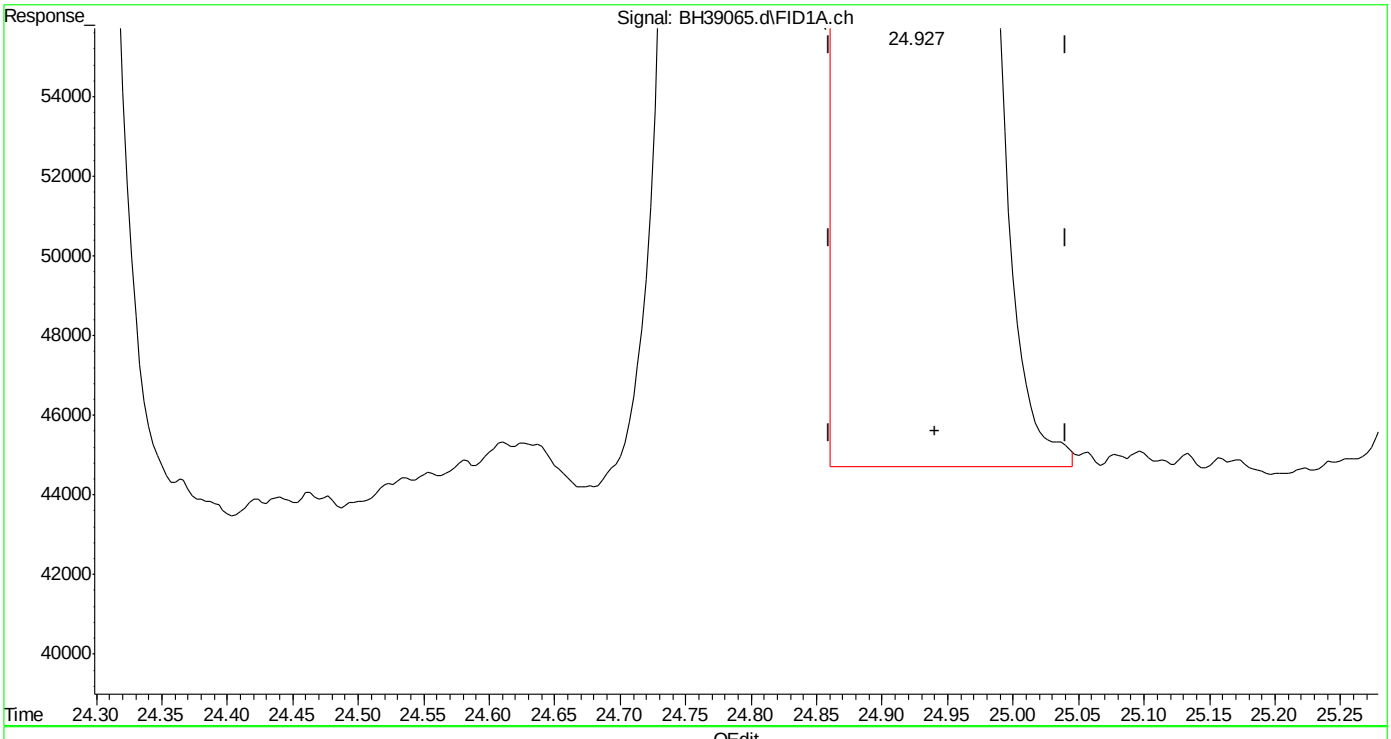
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 5.295 ppb m
response 6161527

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:19:14 2016

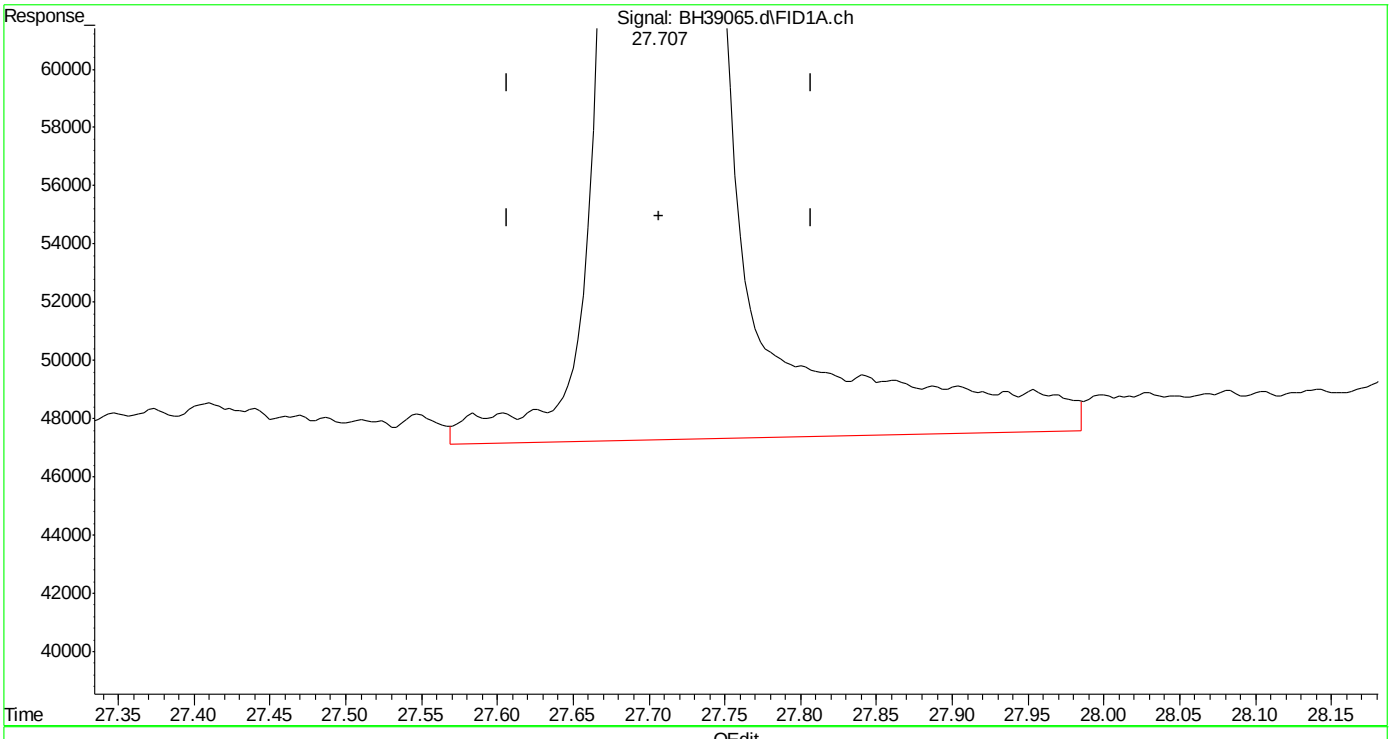
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 5.312 ppb
response 4415202

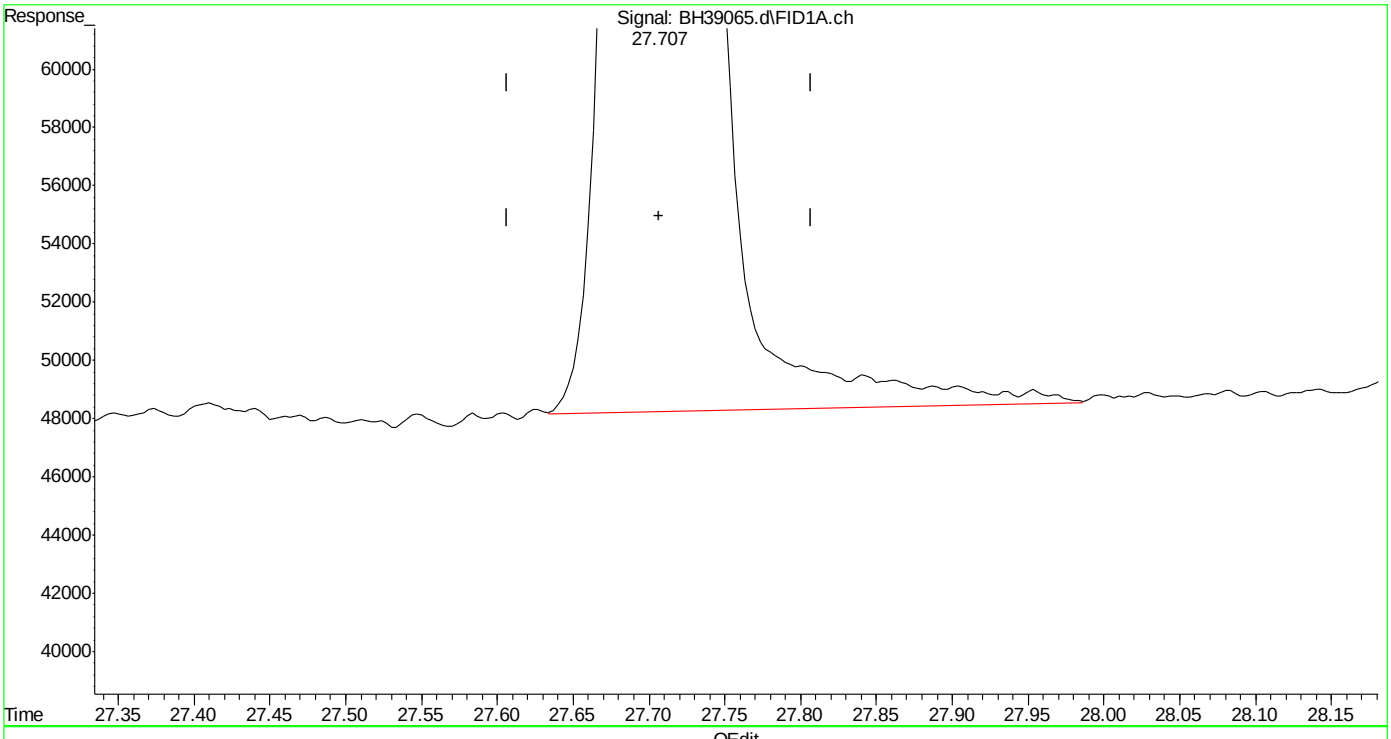
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.707min 5.025 ppb m
response 4176458

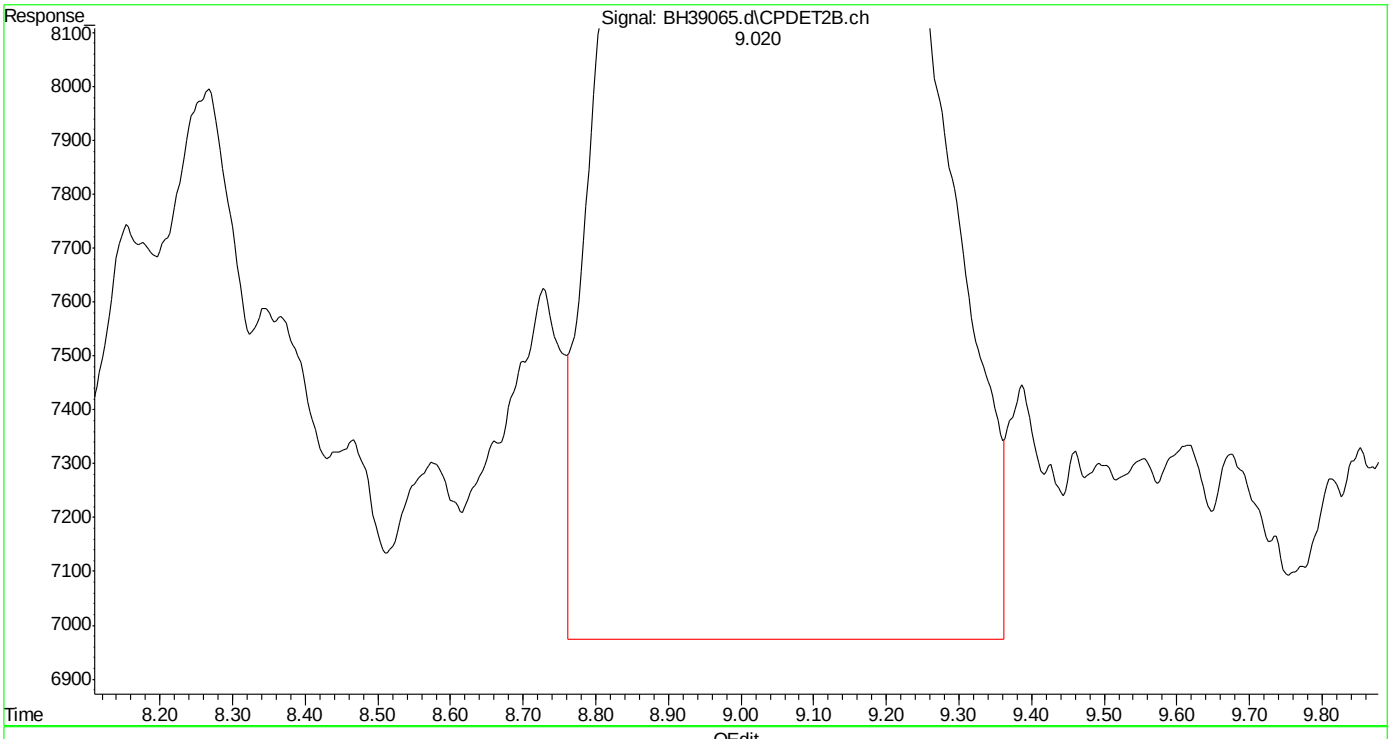
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:19:28 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.021min 5.079 ppb
response 1480451

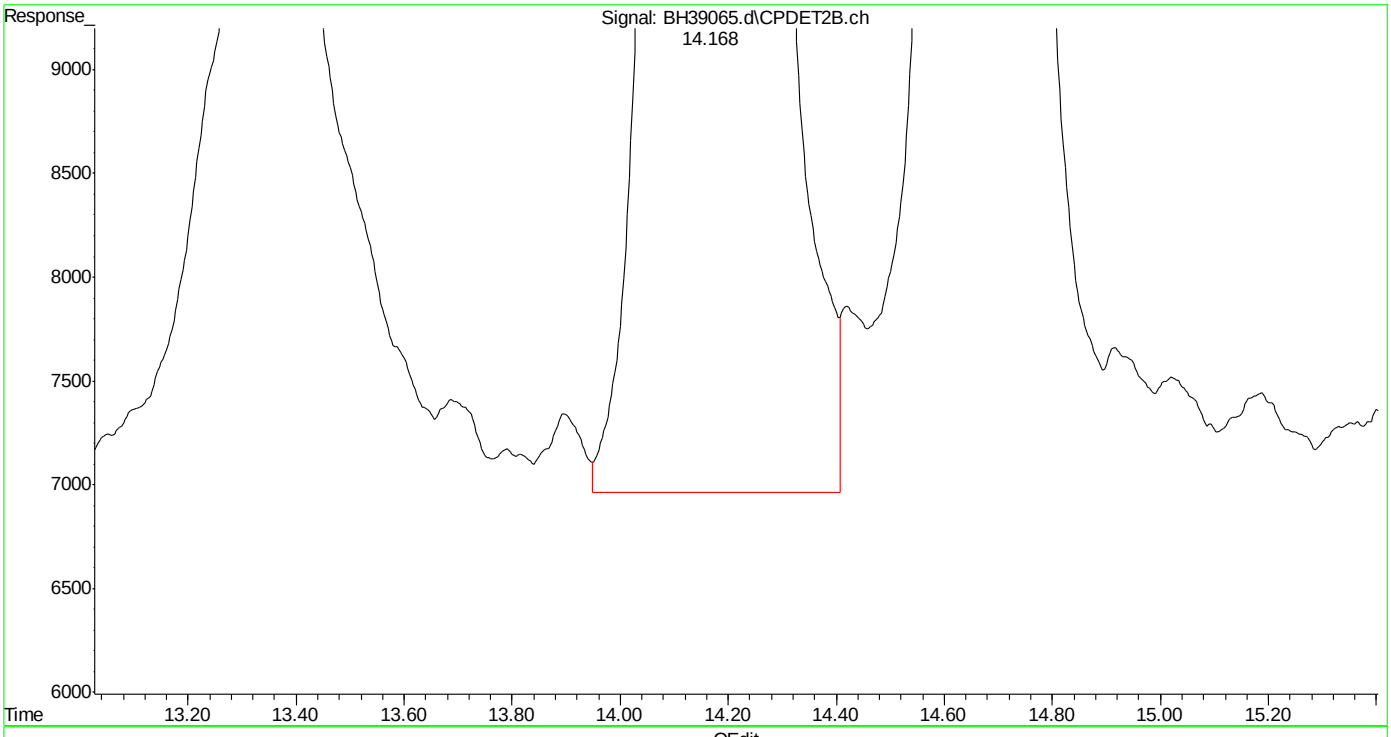
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:19:33 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.170min 5.113 ppb
response 3333790

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:05 2016

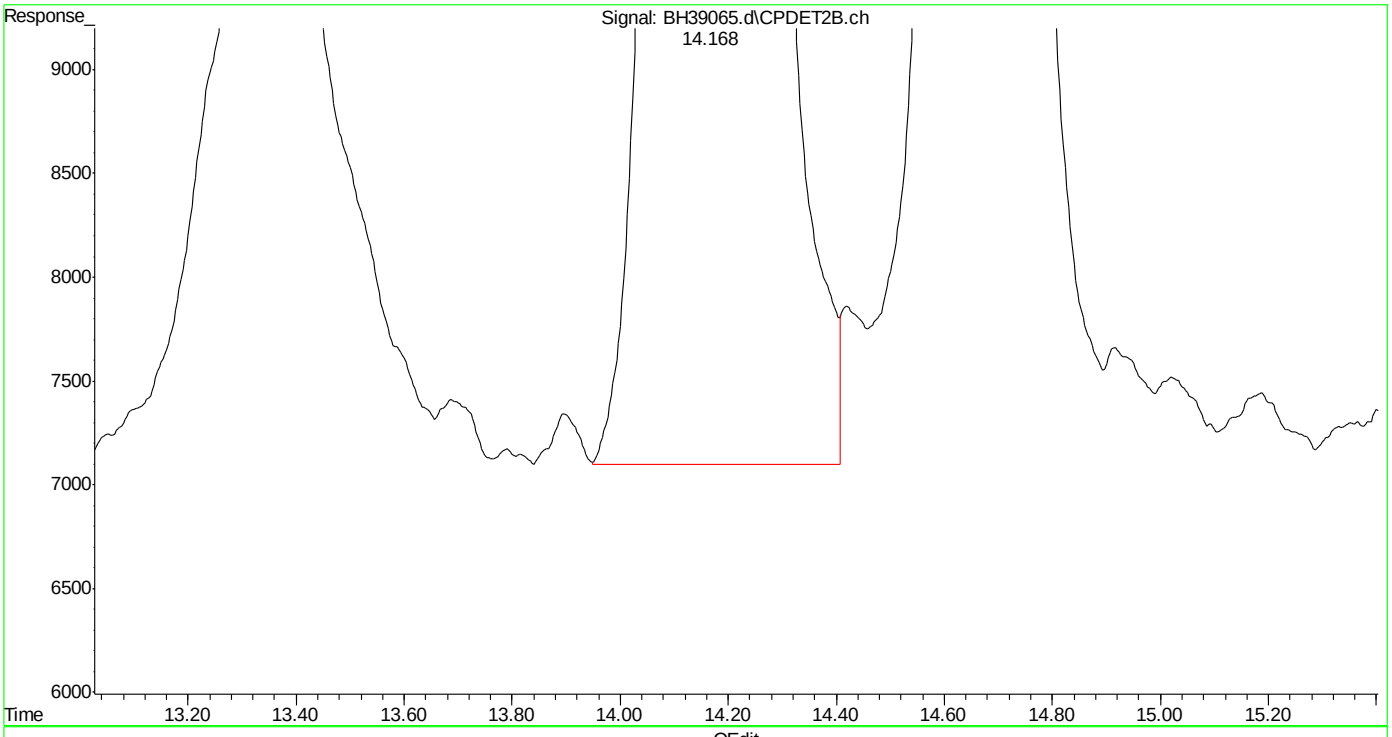
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.168min 5.060 ppb m
response 3298796

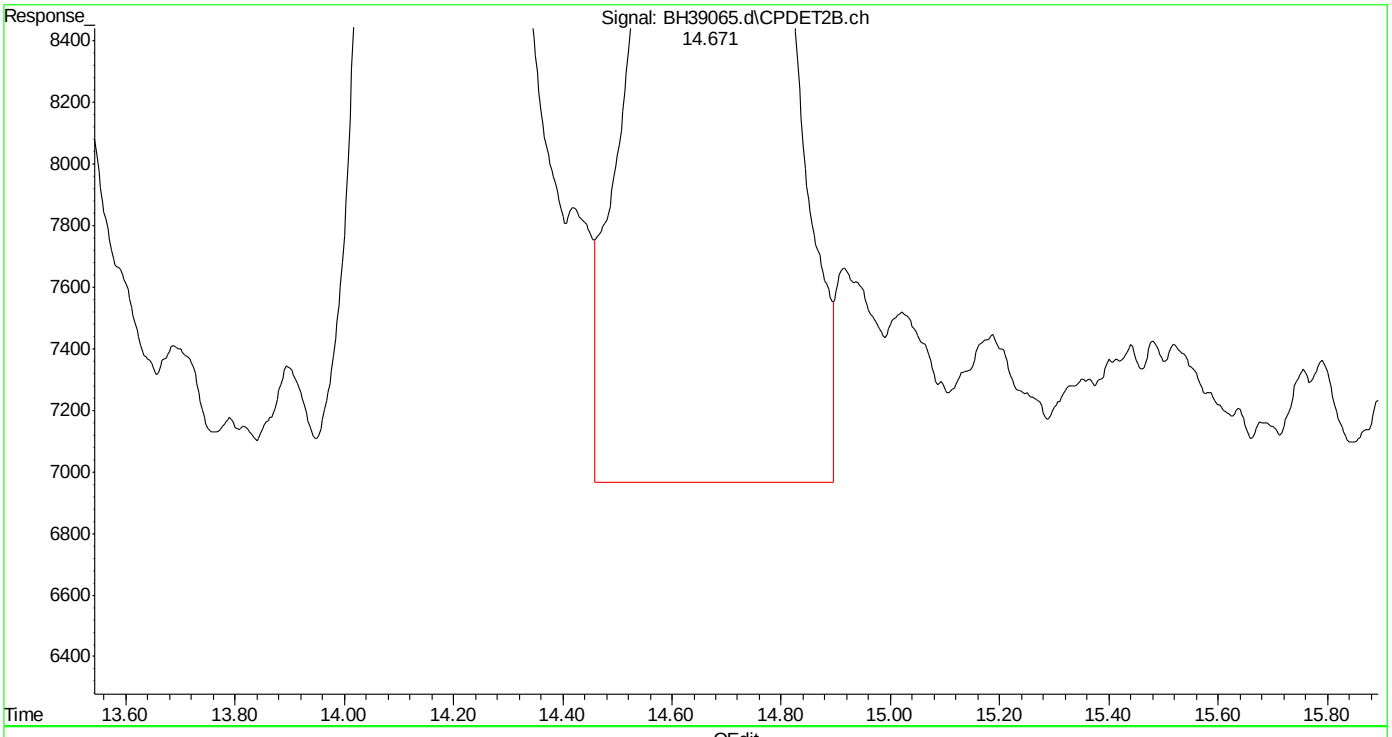
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:10 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.672min 5.196 ppb
response 2119025

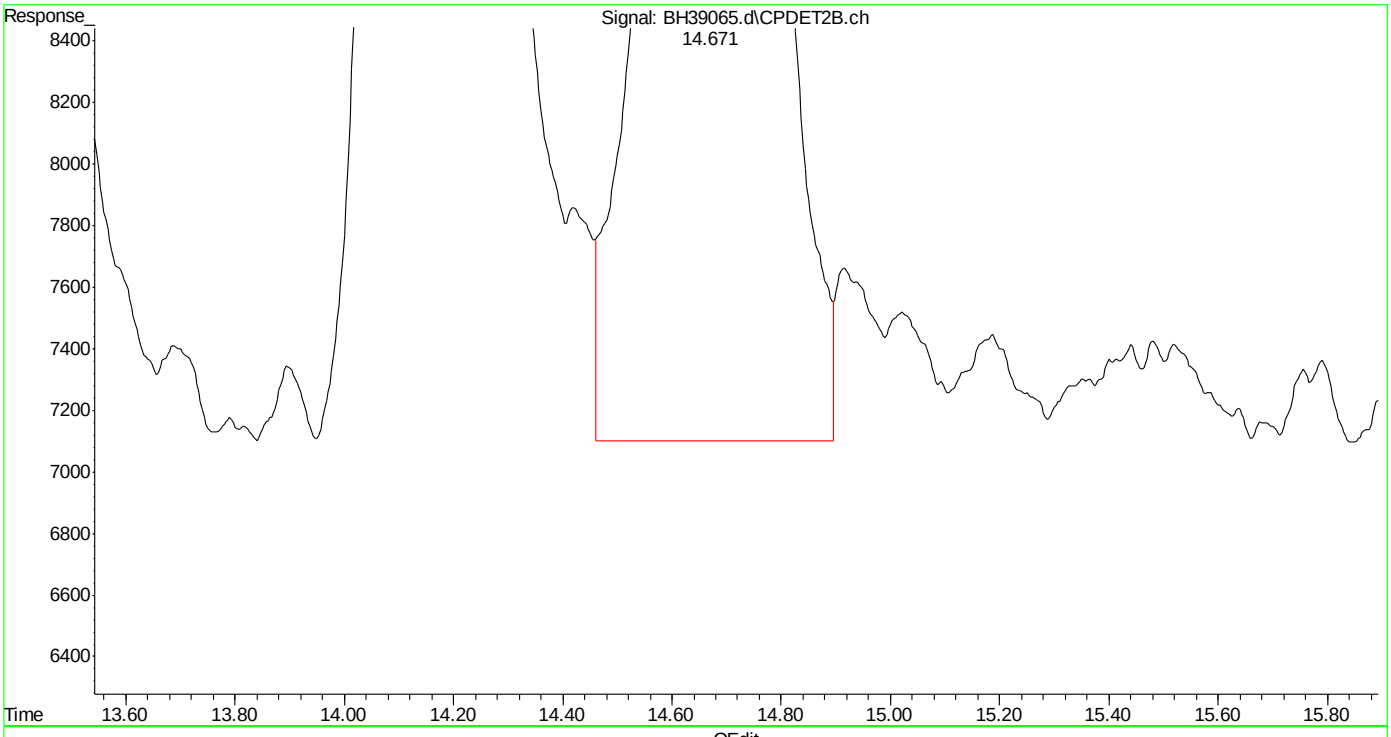
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.671min 5.107 ppb m
response 2082667

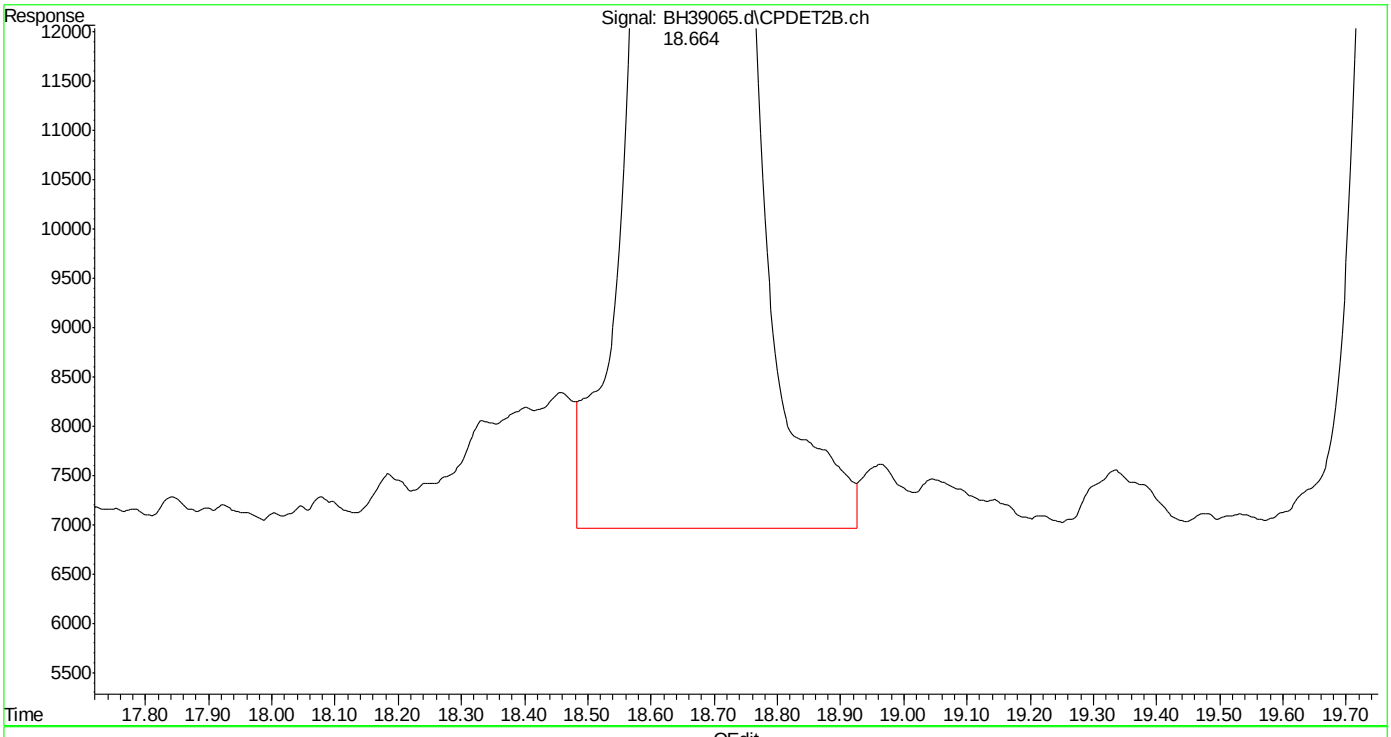
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:22 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 5.118 ppb
response 3127342

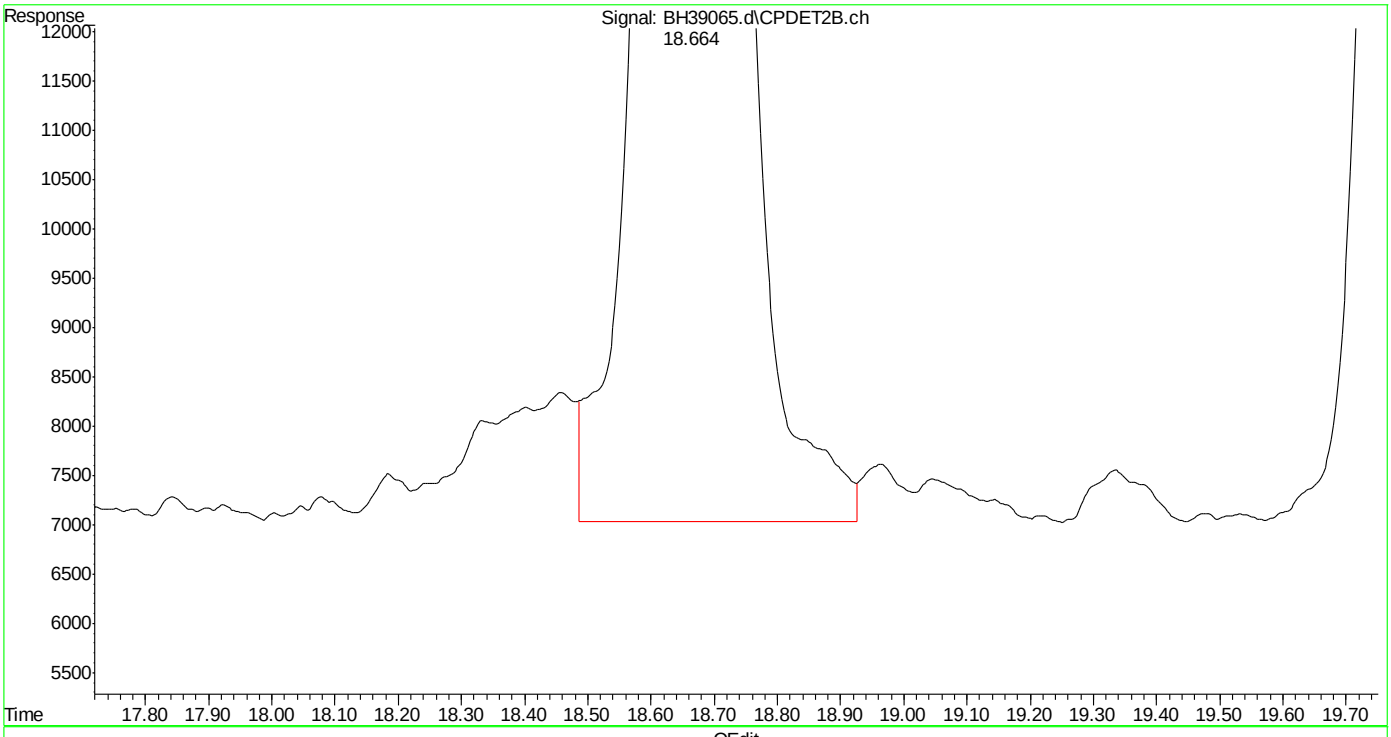
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:20:26 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.664min 5.083 ppb m
response 3105756

(+) = Expected Retention Time

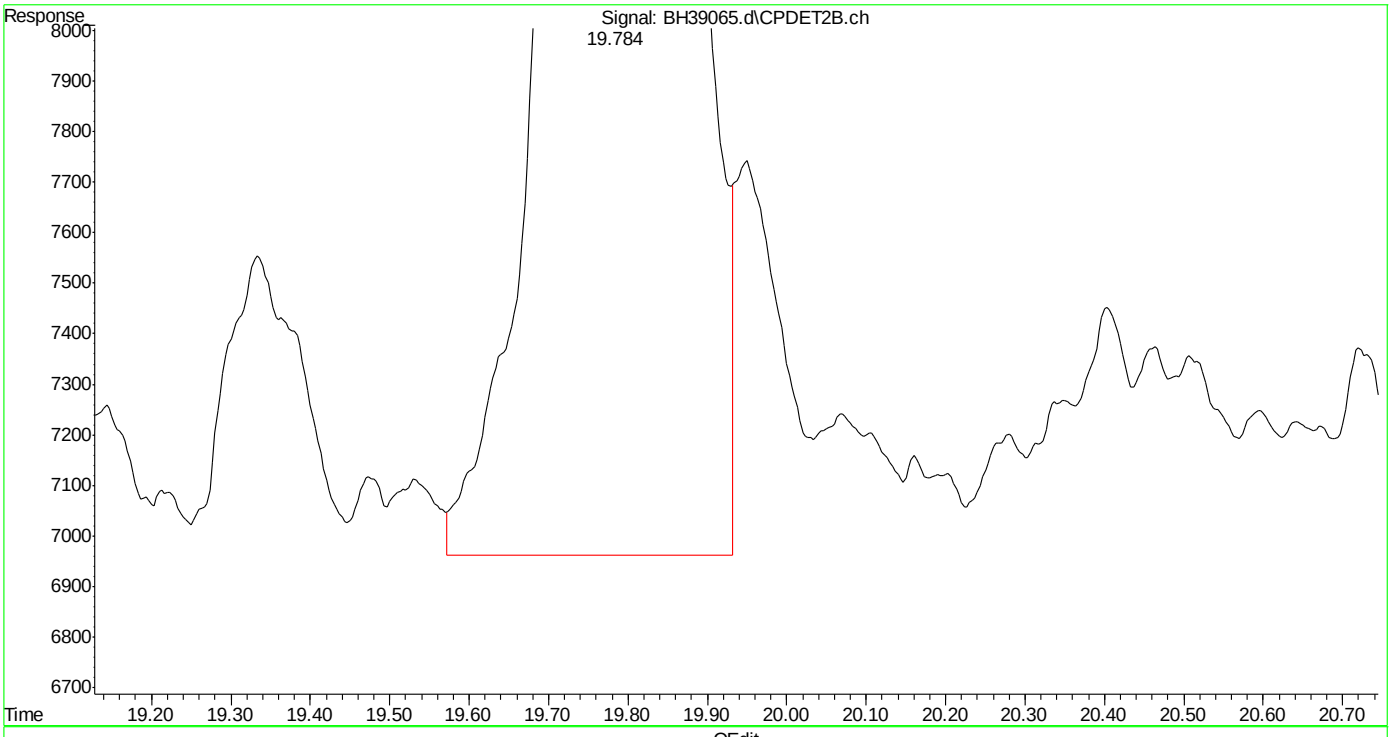
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 5.359 ppb
response 1307340

(+) = Expected Retention Time

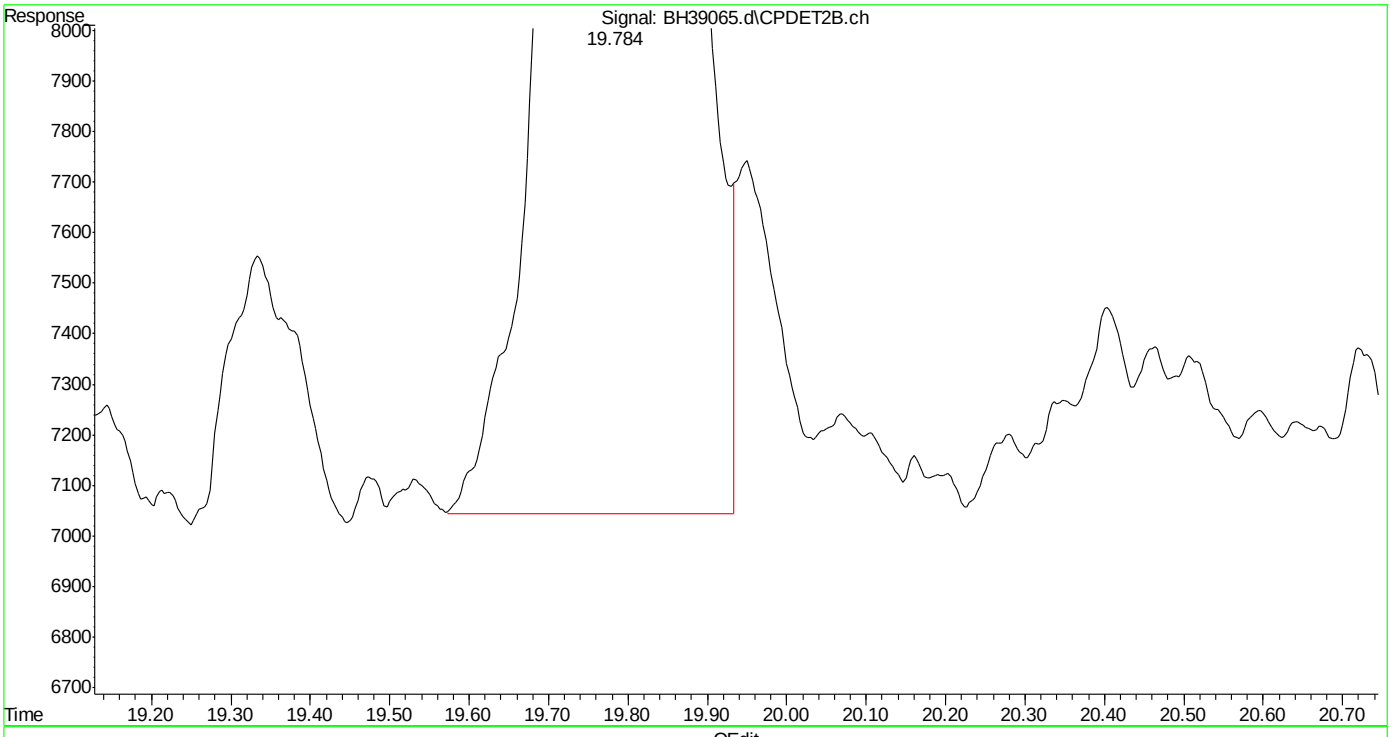
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.784min 5.287 ppb m
response 1289798

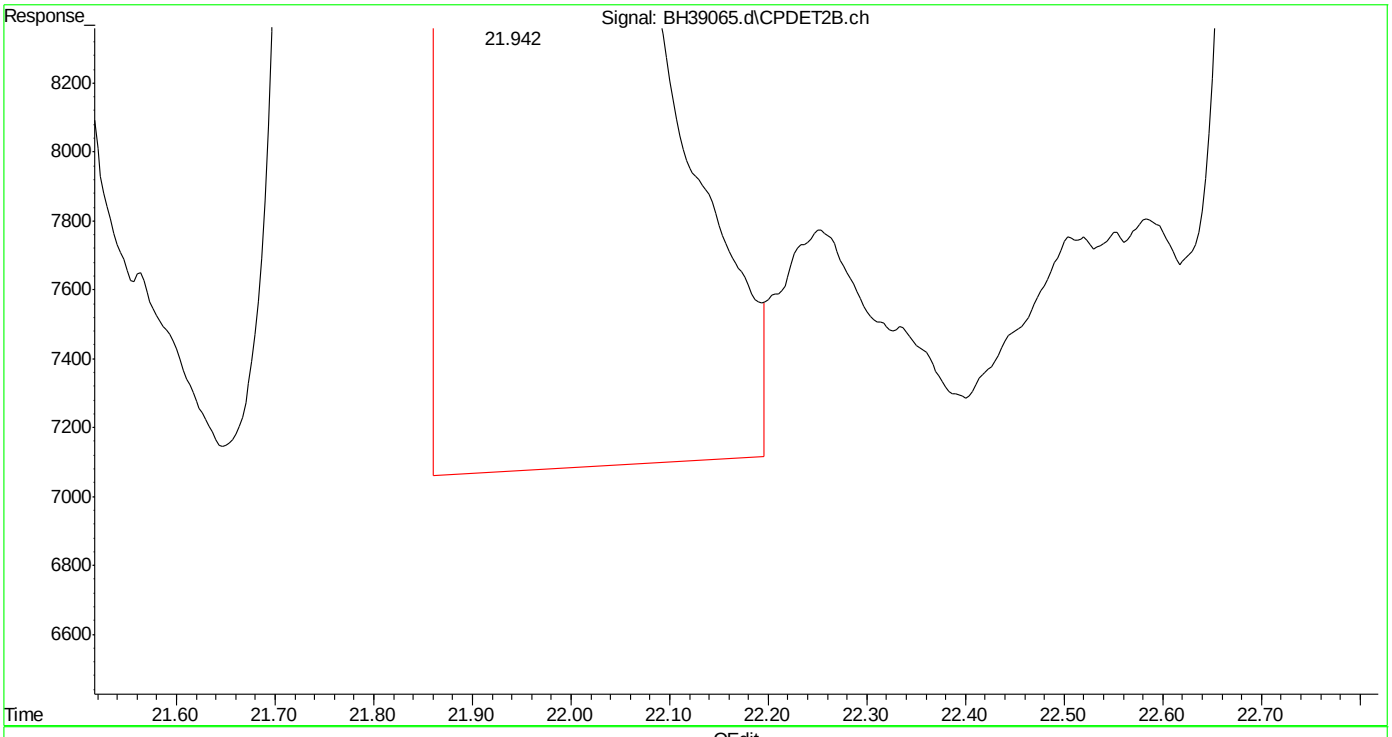
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 10.227 ppb
response 6793634

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:05 2016

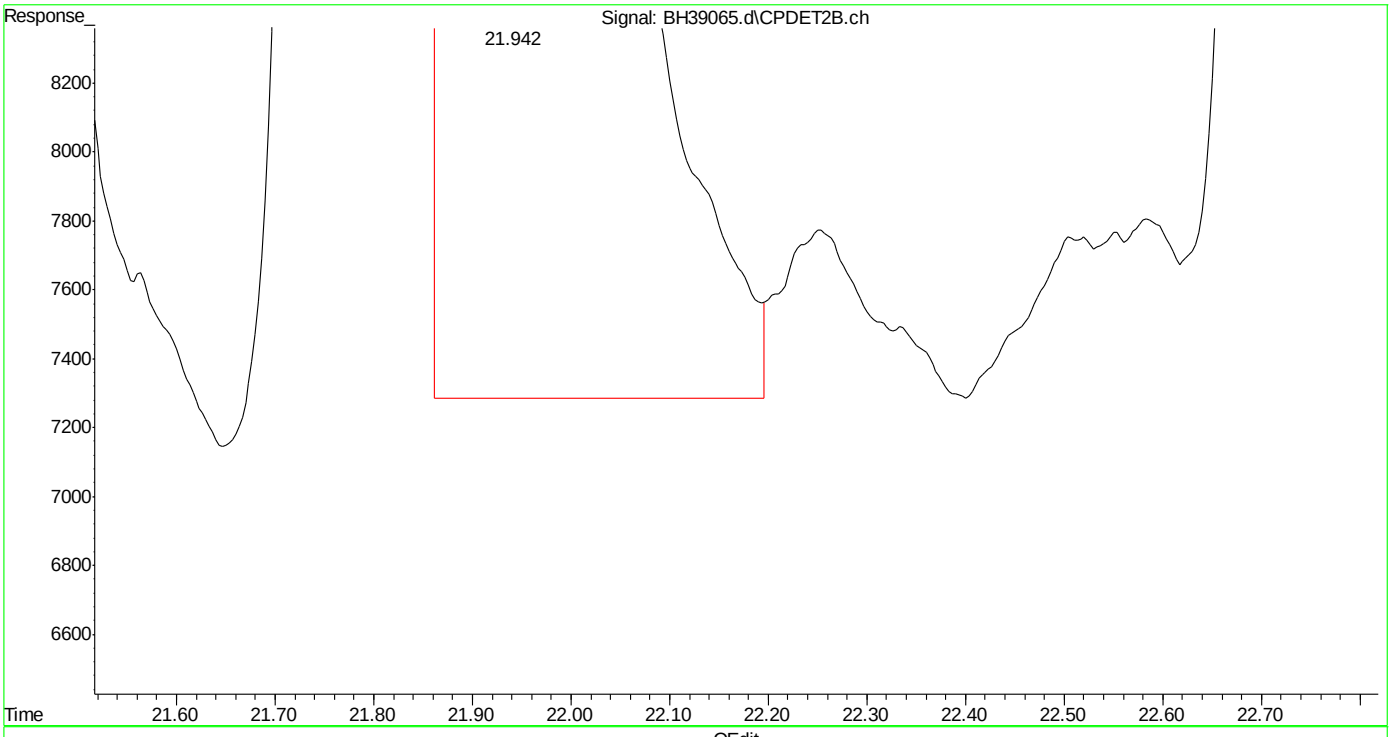
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.942min 10.128 ppb m
response 6728081

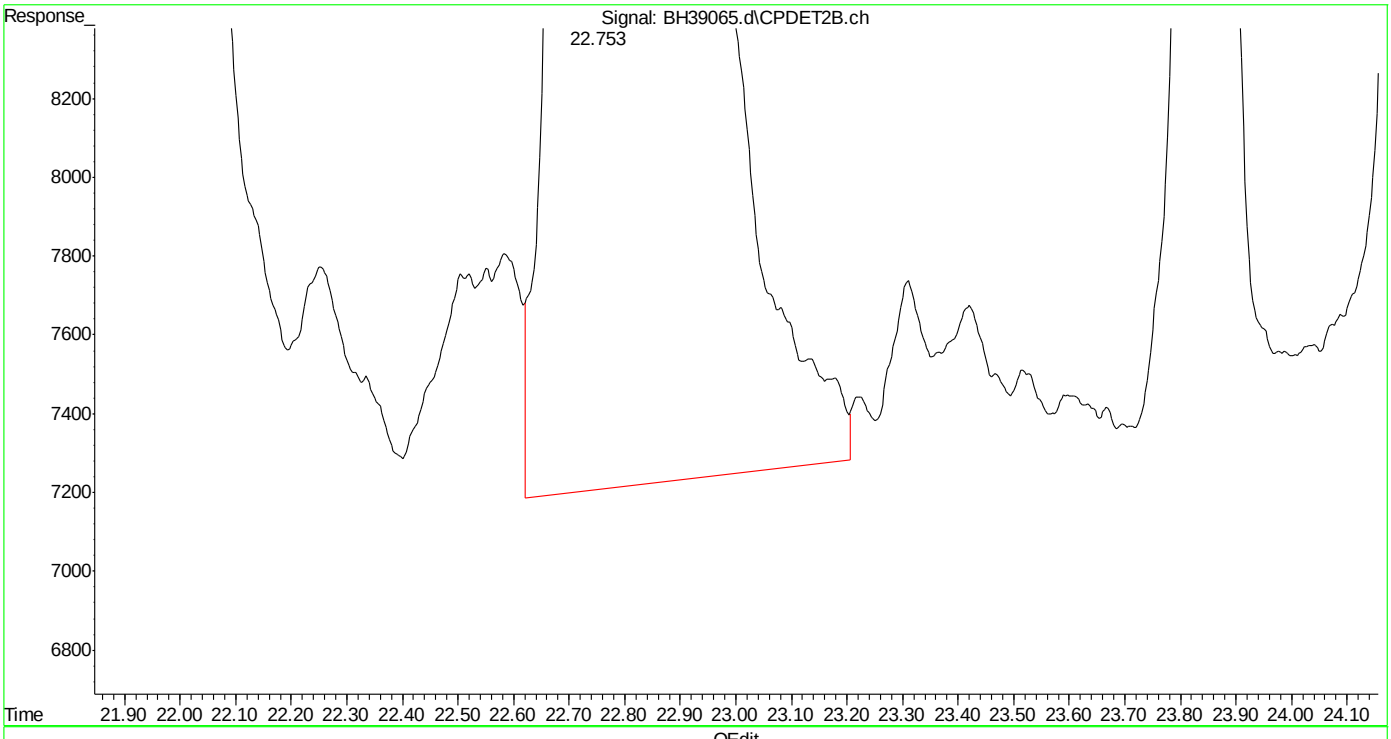
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:15 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 5.272 ppb
response 3033251

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:21 2016

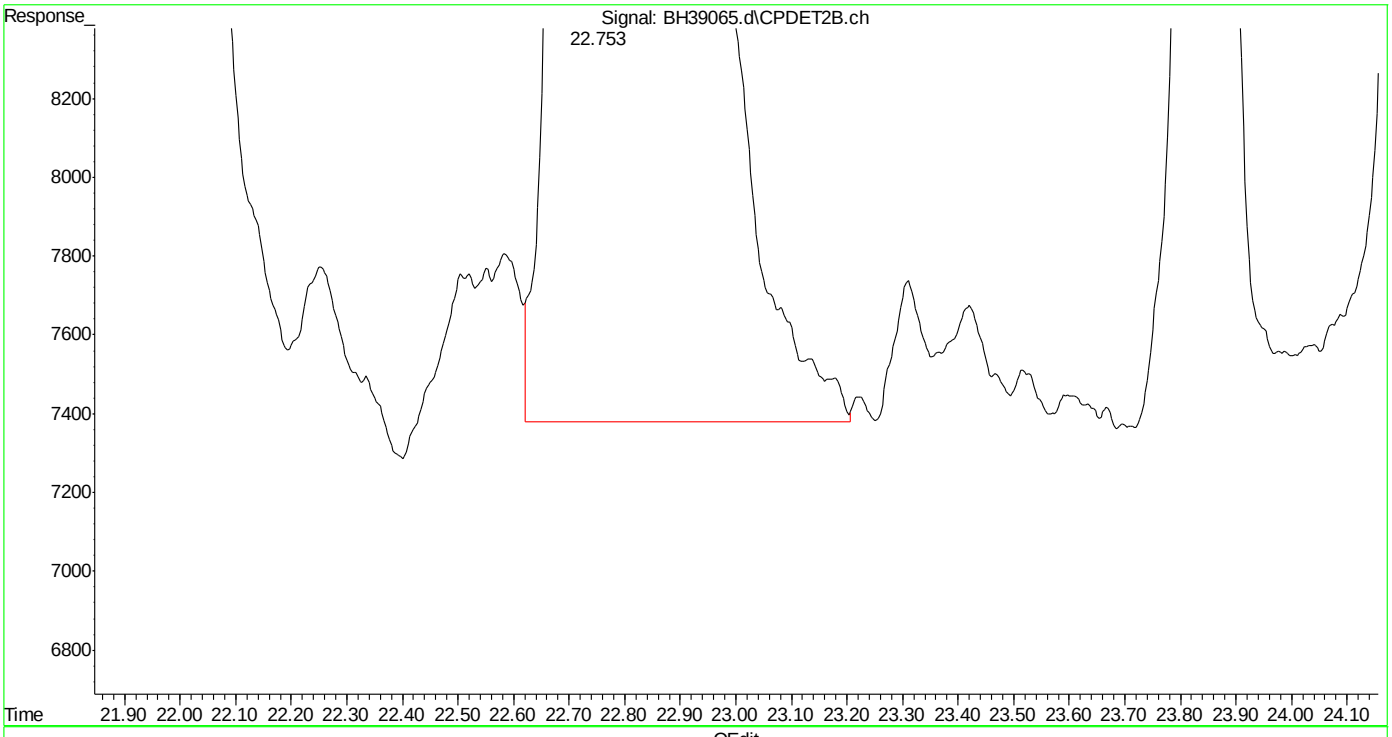
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.753min 5.184 ppb m
response 2982162

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:31 2016

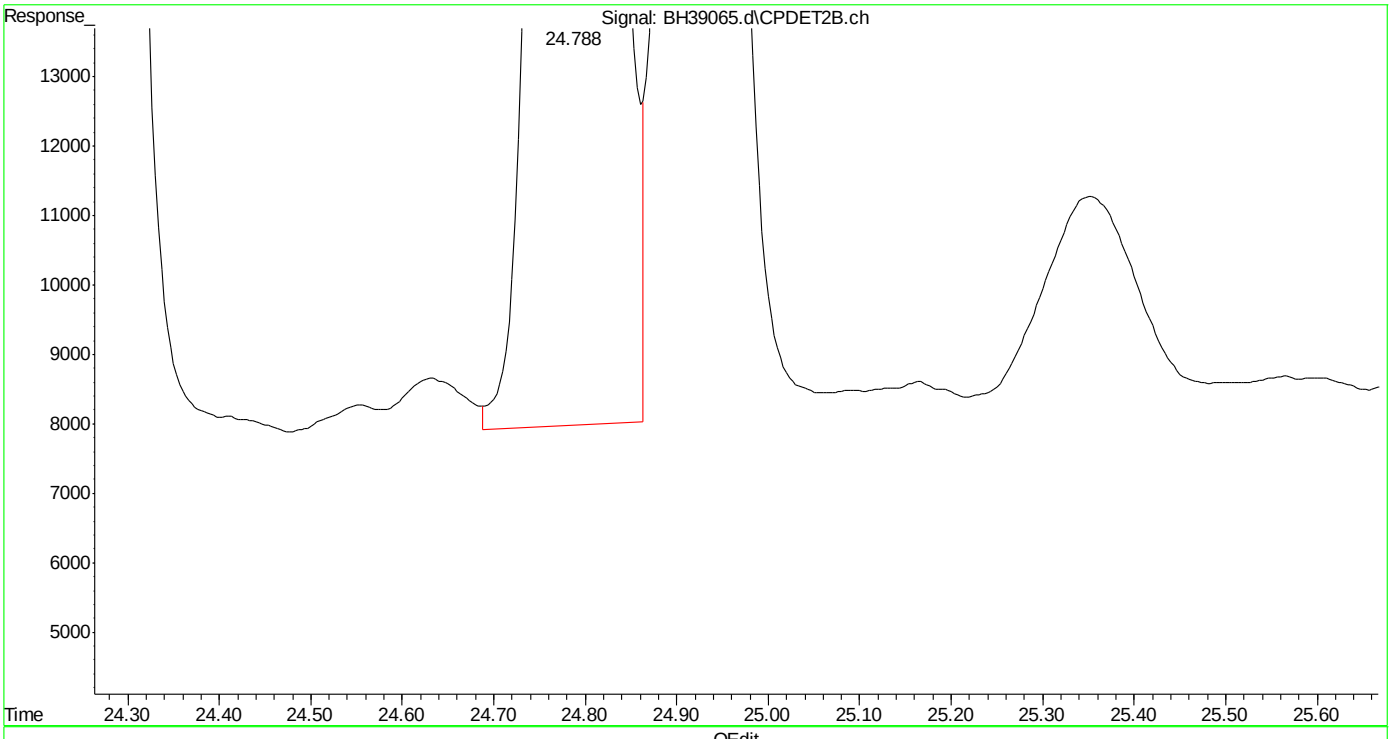
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 5.177 ppb
response 3270607

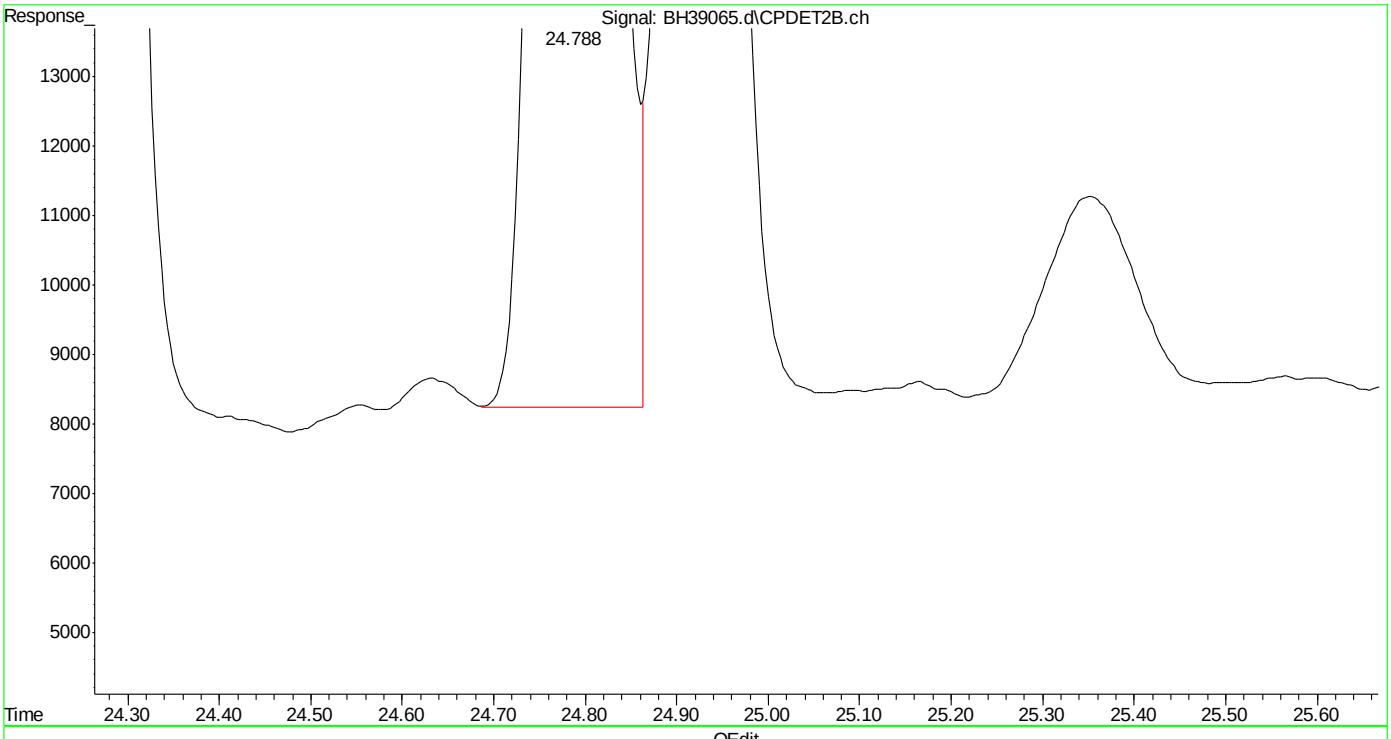
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:45 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.788min 5.131 ppb m
response 3241720

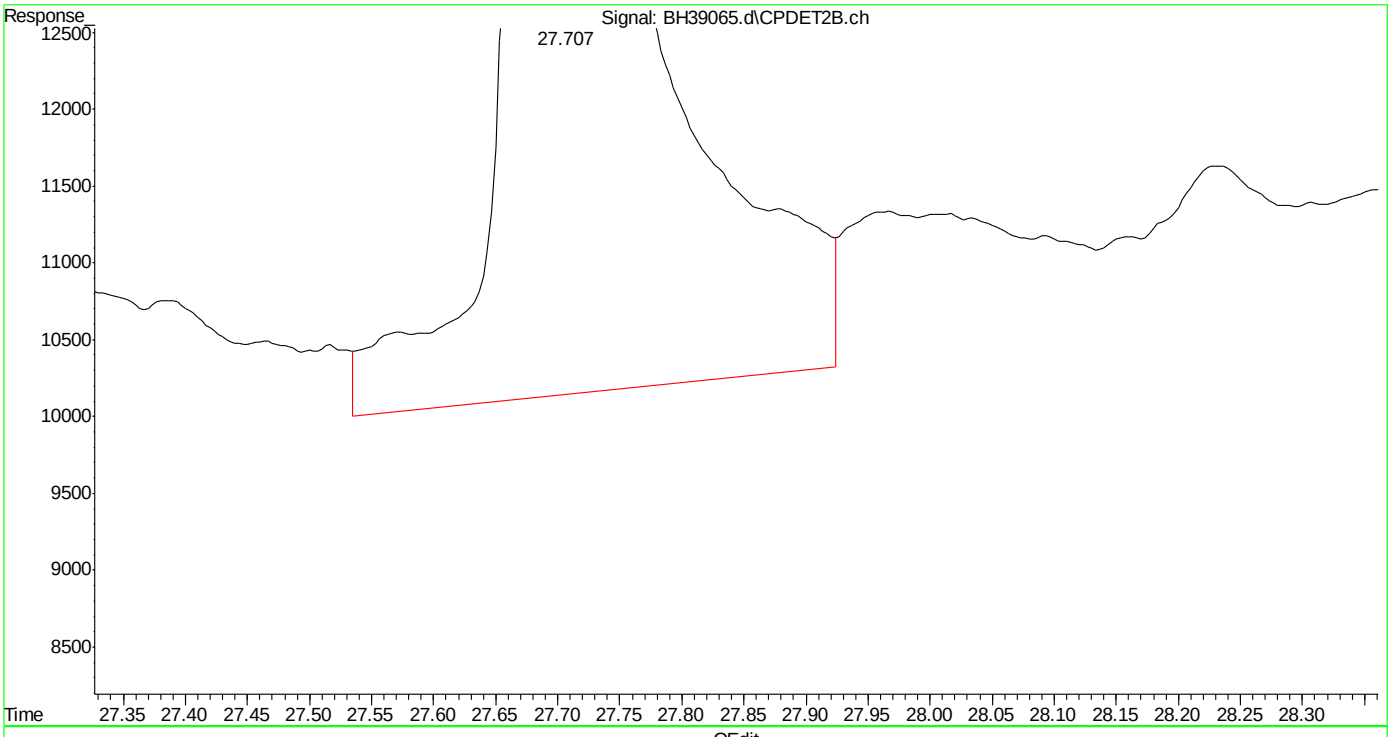
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 5.159 ppb
response 2941267

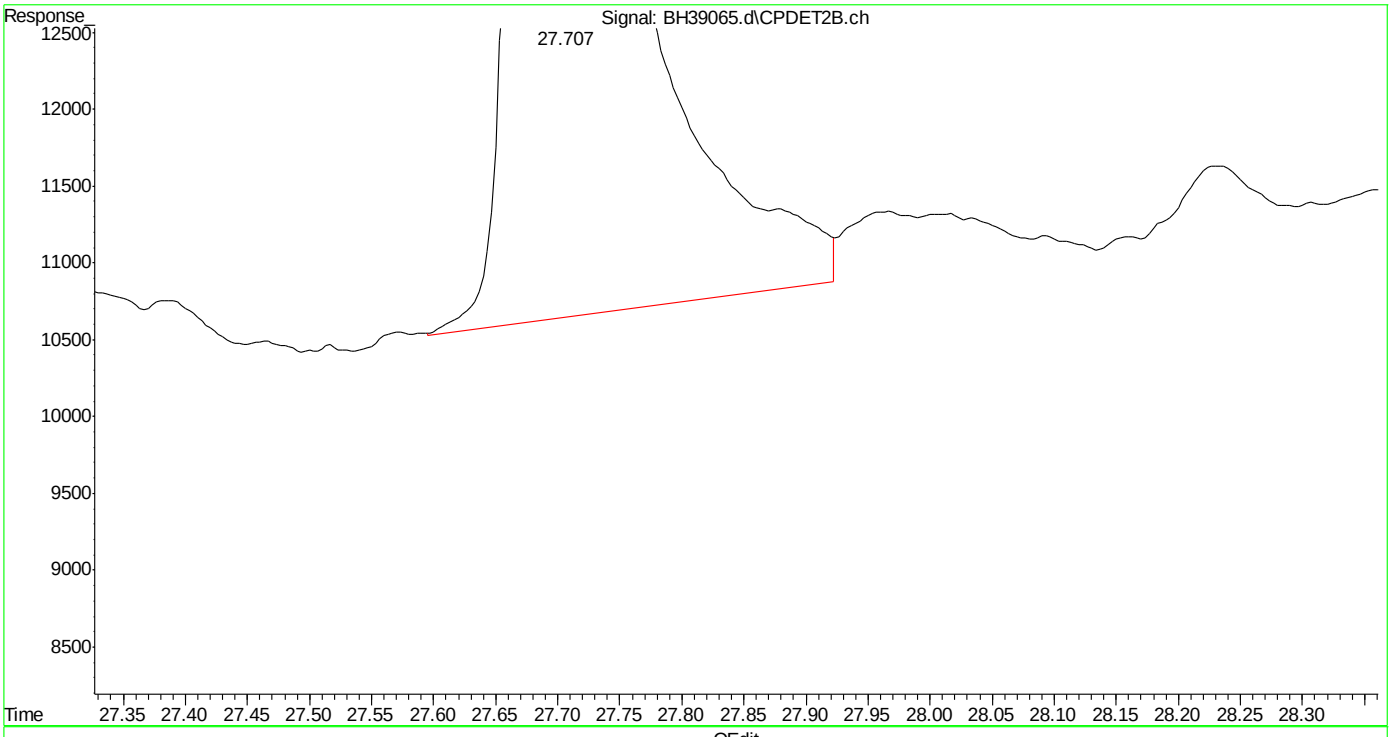
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:21:55 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:15:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 4.951 ppb m
response 2822866

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:22:12 2016

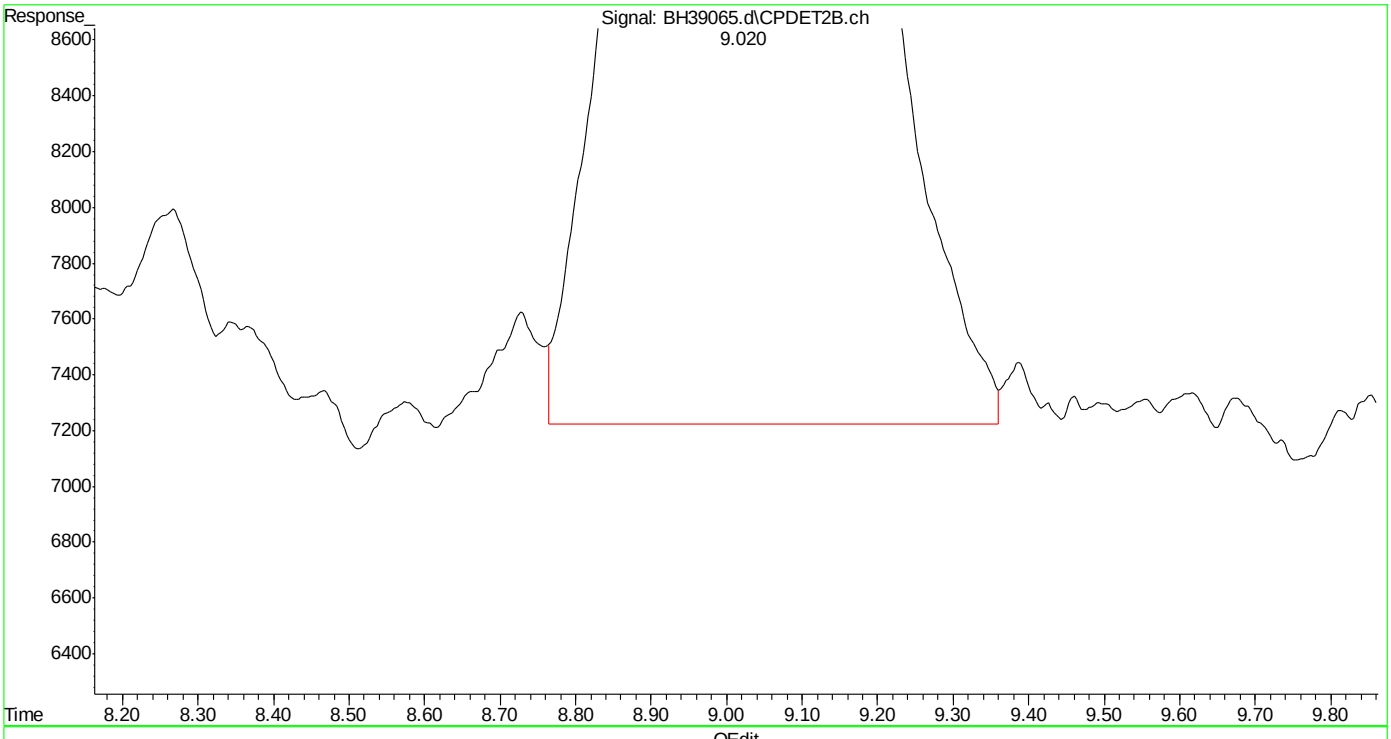
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39065.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 12:32 pm
Operator : danielf
Sample : ic2295-5
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:22:23 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 12:37:20 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.020min 4.770 ppb m
response 1390628

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:28:55 2016 Page: 1

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:46:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
6) s fluorobenzene	14.666	2025236	2.139 ppb	m
Spiked Amount 50.000		Recovery =	4.28%	
9) s 2,3,4-trifluorotoluene	19.784	1769458	2.233 ppb	m
Spiked Amount 50.000		Recovery =	4.47%	
25) s fluorobenzene #2	14.670	847261	2.063 ppb	m
Spiked Amount 50.000		Recovery =	4.13%	
27) s 2,3,4-trifluorotoluen...	19.786	534013	2.148 ppb	m
Spiked Amount 50.000		Recovery =	4.30%	
Target Compounds				
1) h rt5.5-7	5.980	1982006	2.164 ppb	m
2) h rt7/10	8.250	2292160	2.272 ppb	m
3) t mtbe	9.005	1295724	2.084 ppb	m
4) h rt10/13	13.360	2770822	2.318 ppb	m
5) t benzene	14.168	2531923	2.121 ppb	m
8) t toluene	18.665	2582770	2.167 ppb	m
11) h rt20/25	21.460	2657203	2.478 ppb	m
13) t ethylbenzene	21.797	2534836	2.153 ppb	m
14) t m,p-xylene	21.942	5284149	4.270 ppb	m
15) t o-xylene	22.753	2701691	2.136 ppb	m
16) h decane	23.856	2533298	2.332 ppb	m
17) t 1,3,5-trimethylbenzene	24.252	2955201	2.245 ppb	m
18) t 1,2,4-trimethylbenzene	24.788	3004972	2.261 ppb	m
19) h butylcyclohexane	24.940	2820356	2.377 ppb	m
20) t naphthalene	27.708	1793508	2.154 ppb	m
23) t mtbe #2	9.014	590163	2.056 ppb	m
24) t benzene #2	14.169	1399084	2.137 ppb	m
26) t toluene #2	18.664	1277211	2.079 ppb	m
28) t ethylbenzene #2	21.798	1125648	2.086 ppb	m
29) t m,p-xylene #2	21.942	2822666	4.231 ppb	m
30) t o-xylene #2	22.753	1213238	2.083 ppb	m
31) t 1,3,5-trimethylbenzen...	24.252	1811556	2.177 ppb	m
32) t 1,2,4-trimethylbenzen...	24.788	1420042	2.228 ppb	m
33) t naphthalene #2	27.707	1229604	2.164 ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	1420112	2.227 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

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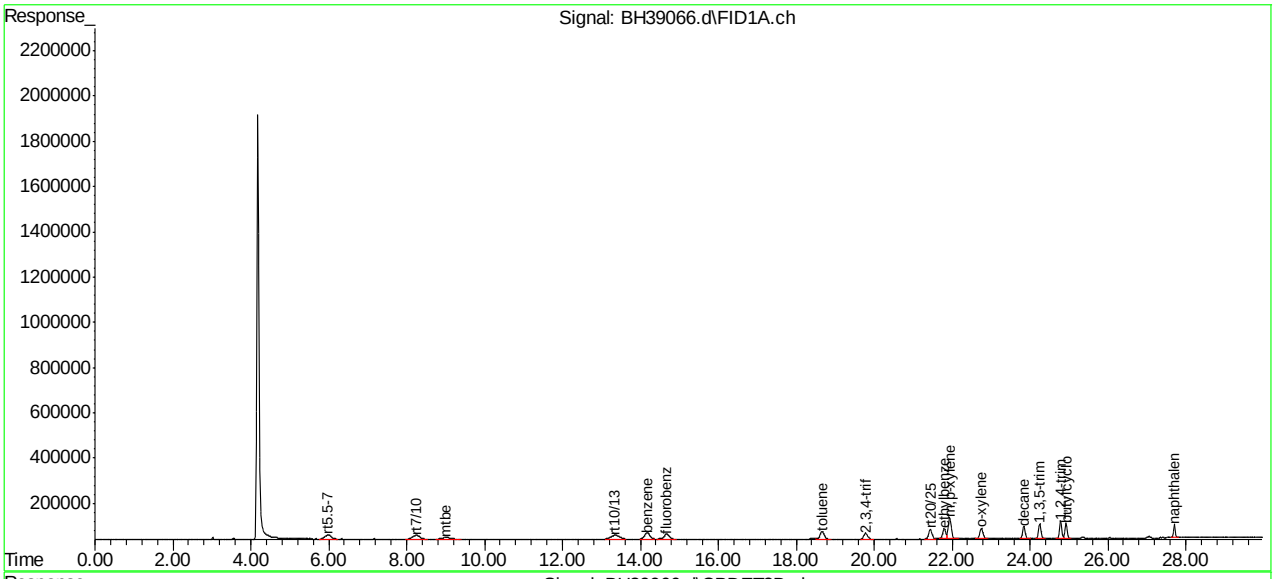
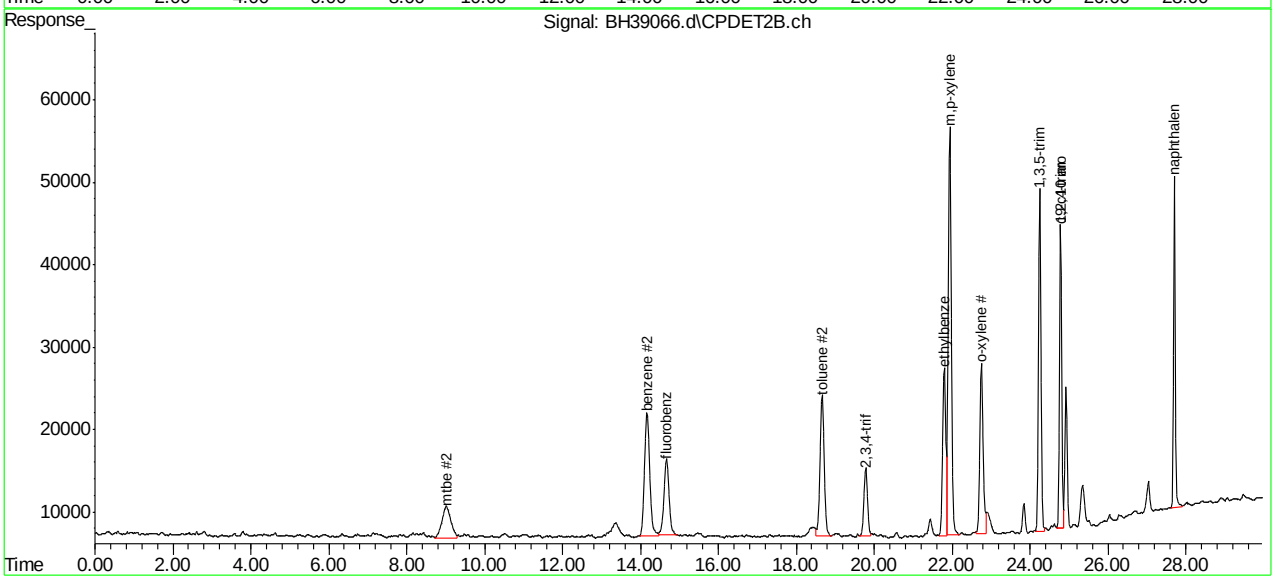
Quantitation Report (QT Reviewed)

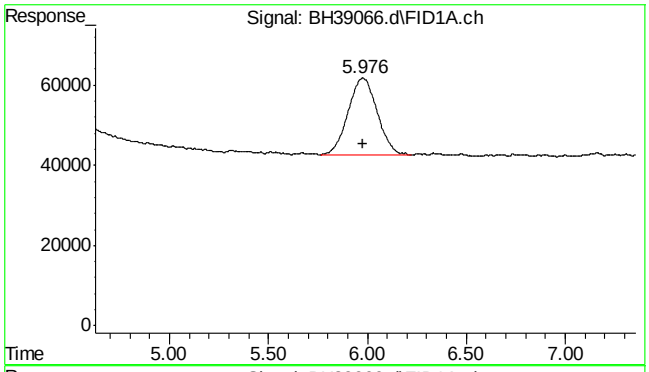
Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:46:52 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

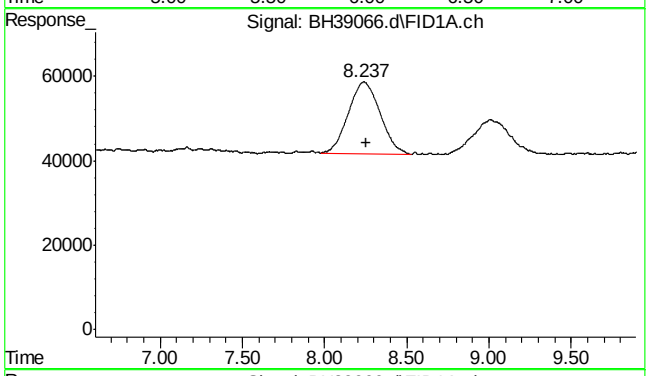






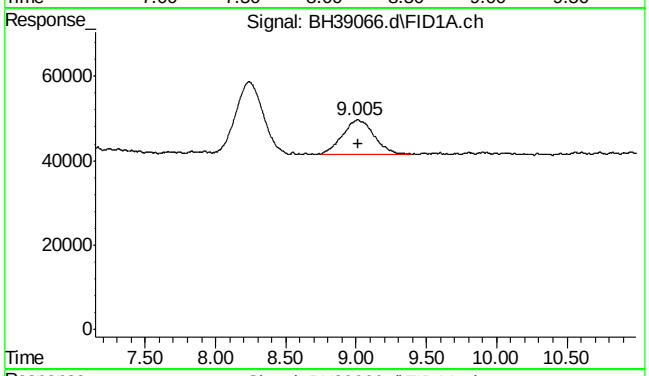
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 1982006
Conc: 2.16 ppb m



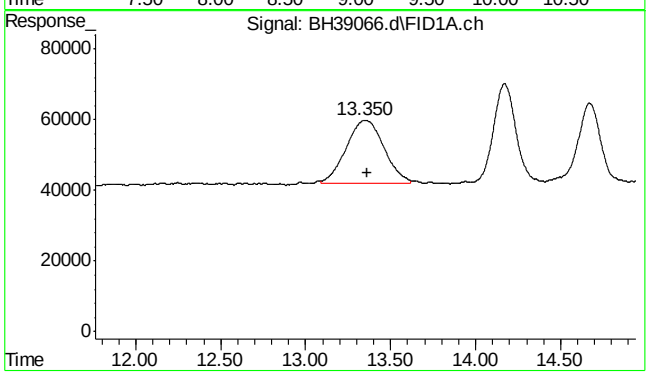
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 2292160
Conc: 2.27 ppb m



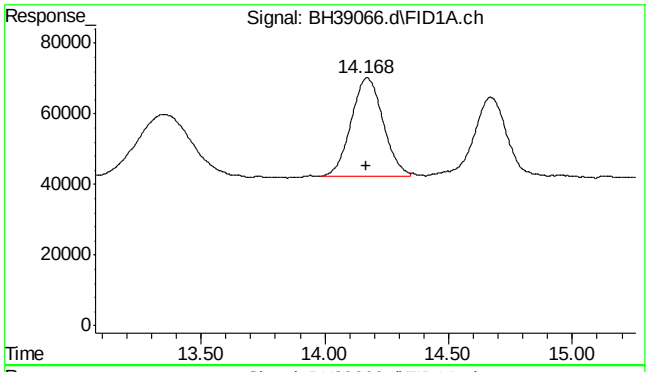
#3 mtbe

R.T.: 9.005 min
Delta R.T.: -0.008 min
Response: 1295724
Conc: 2.08 ppb m



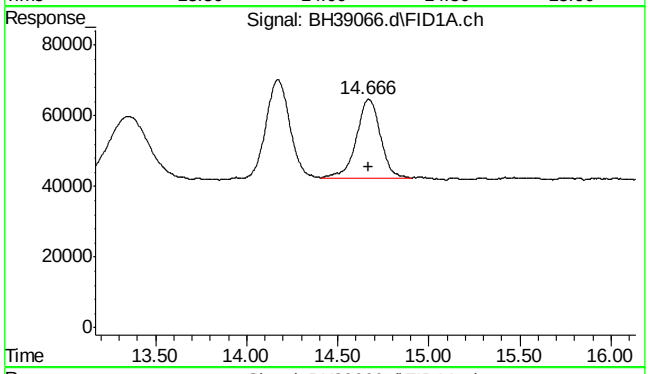
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 2770822
Conc: 2.32 ppb m



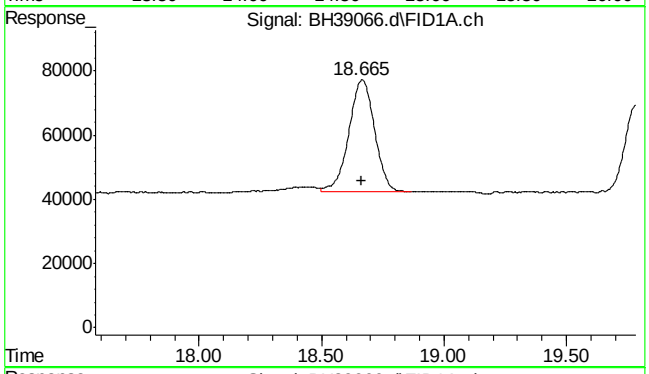
#5 benzene

R.T.: 14.168 min
Delta R.T.: 0.002 min
Response: 2531923
Conc: 2.12 ppb m



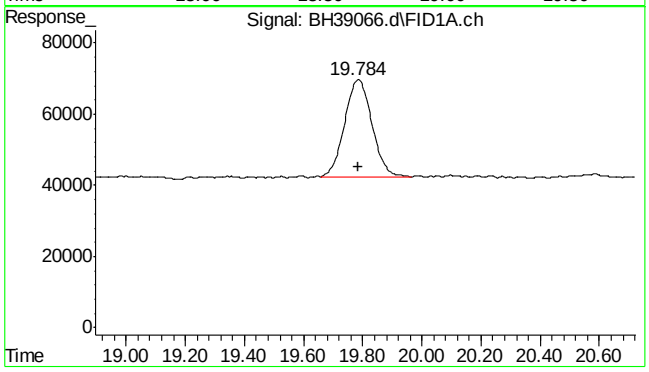
#6 fluorobenzene

R.T.: 14.666 min
Delta R.T.: -0.003 min
Response: 2025236
Conc: 2.14 ppb m



#8 toluene

R.T.: 18.665 min
Delta R.T.: 0.001 min
Response: 2582770
Conc: 2.17 ppb m



#9 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: 0.000 min
Response: 1769458
Conc: 2.23 ppb m

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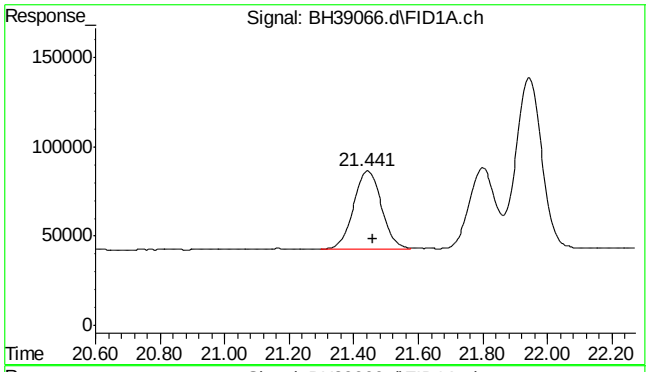
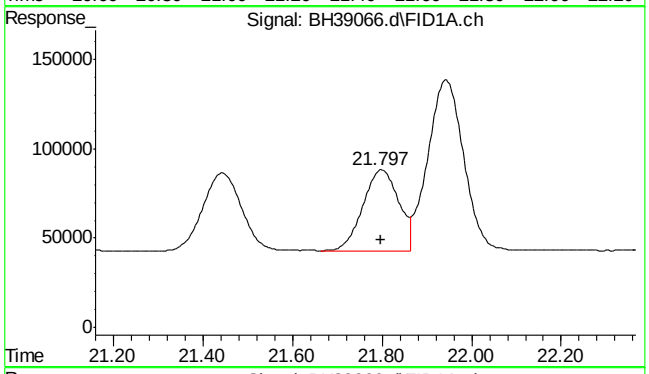


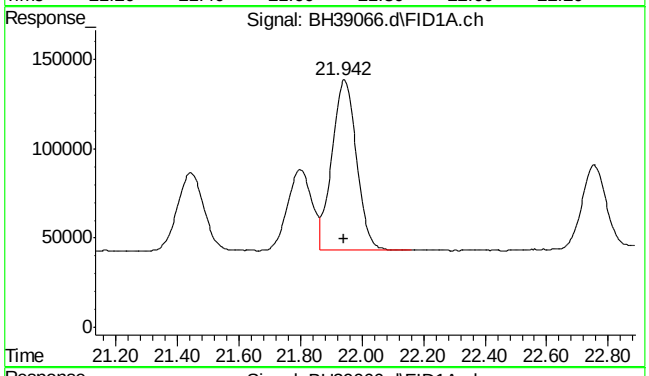
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 2657203
Conc: 2.48 ppb m



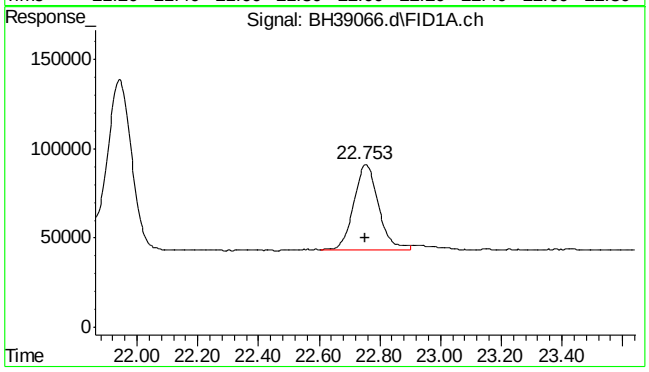
#13 ethylbenzene

R.T.: 21.797 min
Delta R.T.: 0.000 min
Response: 2534836
Conc: 2.15 ppb m



#14 m,p-xylene

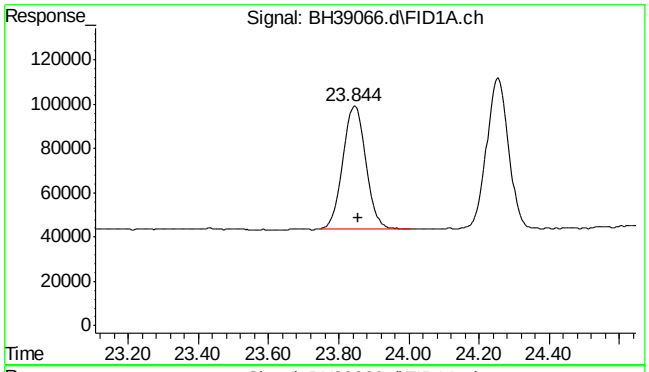
R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 5284149
Conc: 4.27 ppb m



#15 o-xylene

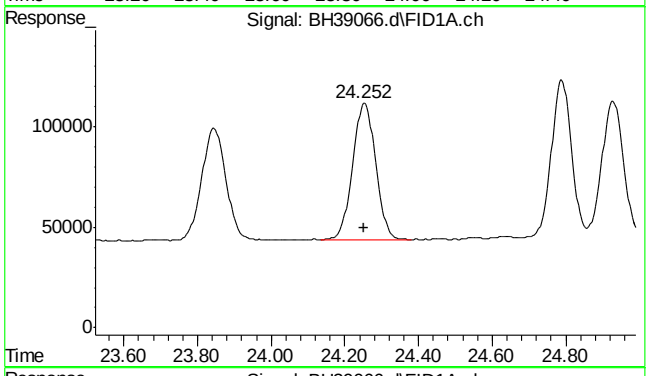
R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 2701691
Conc: 2.14 ppb m

SGS ACCUTEST MC45857



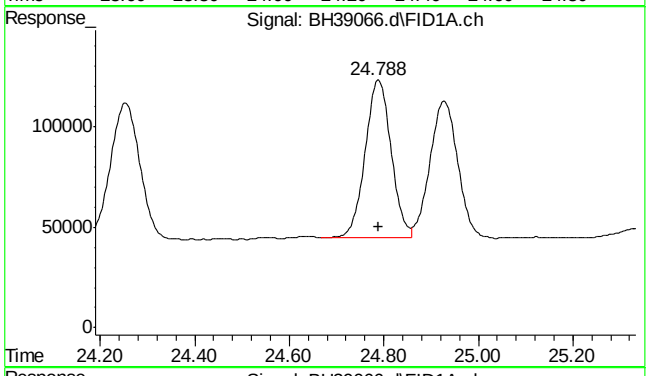
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 2533298
Conc: 2.33 ppb m



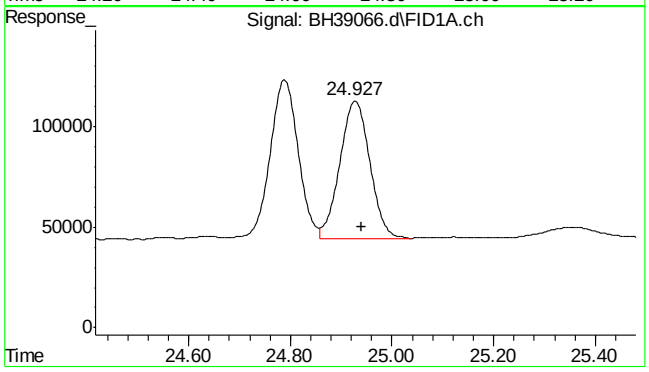
#17 1,3,5-trimethylbenzene

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 2955201
Conc: 2.24 ppb m



#18 1,2,4-trimethylbenzene

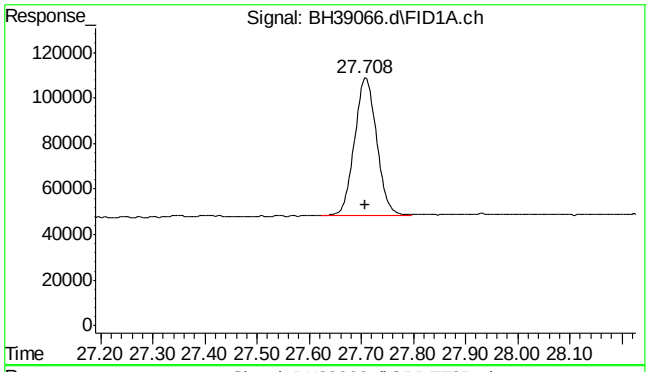
R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 3004972
Conc: 2.26 ppb m



#19 butylcyclohexane

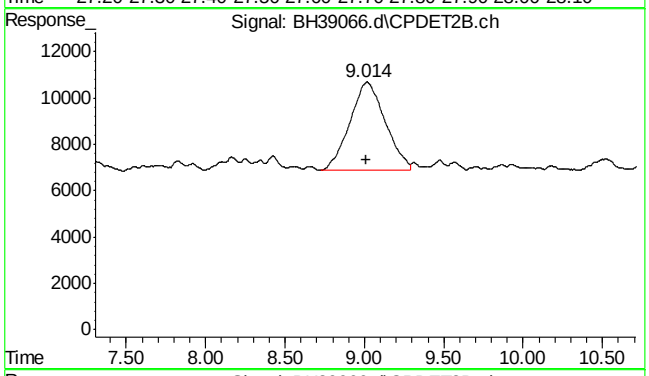
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 2820356
Conc: 2.38 ppb m

SGS ACCUTEST MC45857



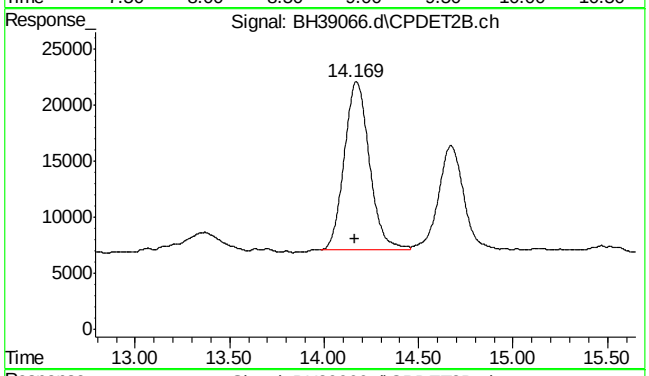
#20 naphthalene

R.T.: 27.708 min
Delta R.T.: 0.000 min
Response: 1793508
Conc: 2.15 ppb m



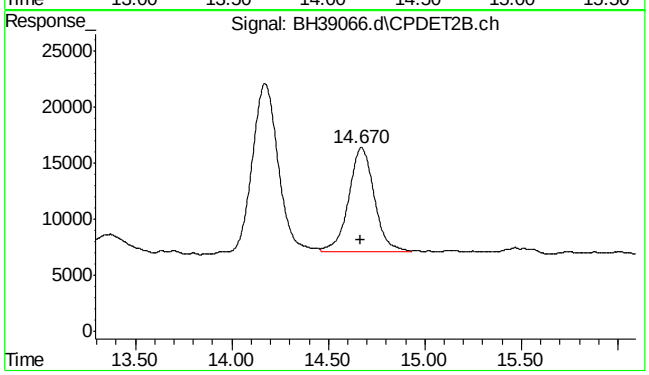
#23 mtbe #2

R.T.: 9.014 min
Delta R.T.: 0.001 min
Response: 590163
Conc: 2.06 ppb m



#24 benzene #2

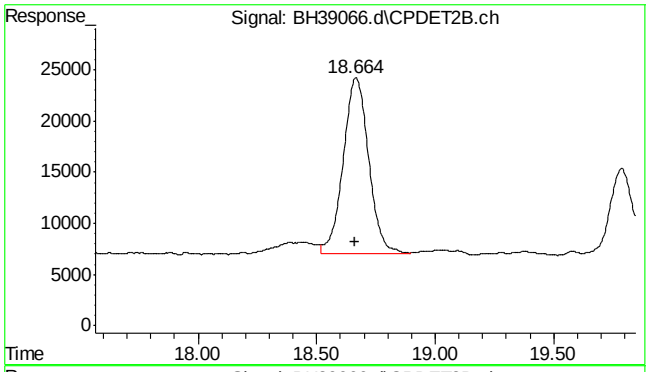
R.T.: 14.169 min
Delta R.T.: 0.003 min
Response: 1399084
Conc: 2.14 ppb m



#25 fluorobenzene #2

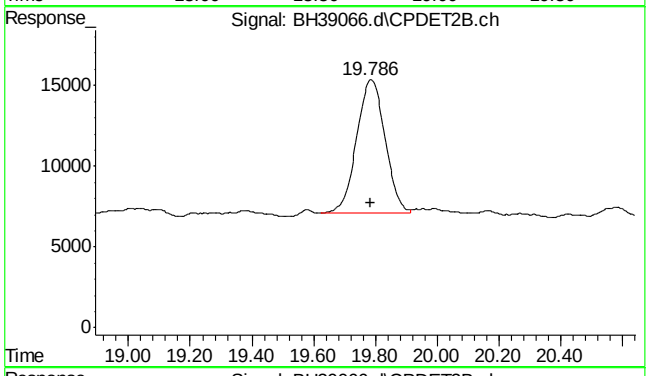
R.T.: 14.670 min
Delta R.T.: 0.002 min
Response: 847261
Conc: 2.06 ppb m

SGS ACCUTEST MC45857



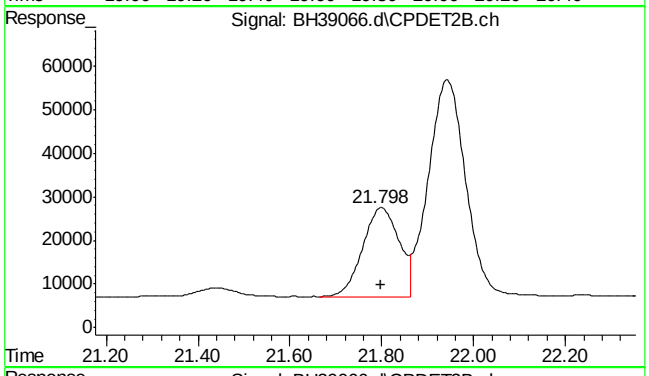
#26 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 1277211
Conc: 2.08 ppb m



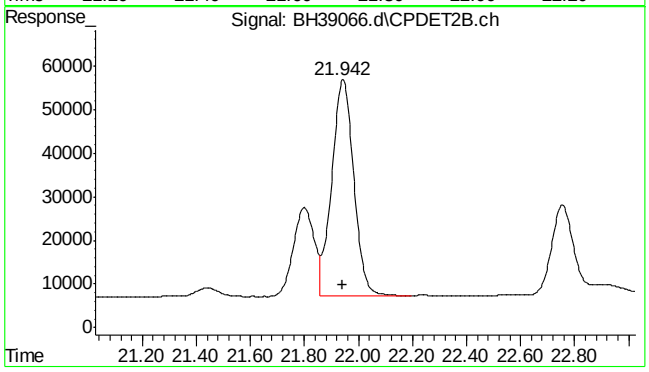
#27 2,3,4-trifluorotoluene #2

R.T.: 19.786 min
Delta R.T.: 0.002 min
Response: 534013
Conc: 2.15 ppb m



#28 ethylbenzene #2

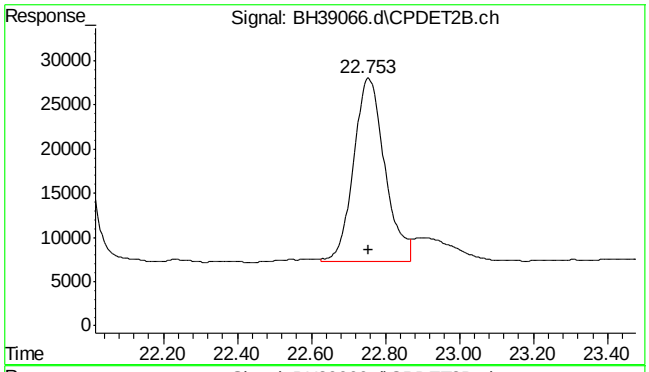
R.T.: 21.798 min
Delta R.T.: 0.001 min
Response: 1125648
Conc: 2.09 ppb m



#29 m,p-xylene #2

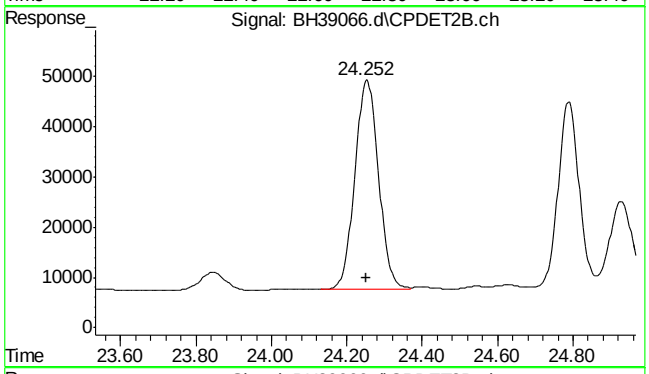
R.T.: 21.942 min
Delta R.T.: 0.000 min
Response: 2822666
Conc: 4.23 ppb m

SGS ACCUTEST MC45857



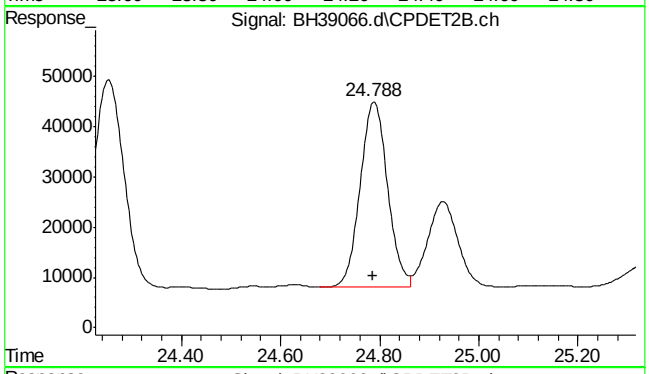
#30 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 1213238
Conc: 2.08 ppb m



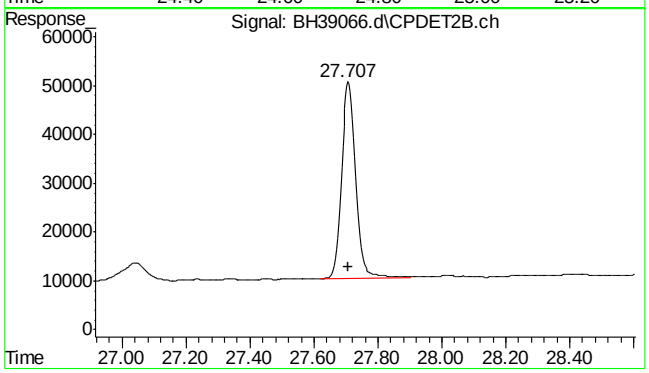
#31 1,3,5-trimethylbenzene #2

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 1811556
Conc: 2.18 ppb m



#32 1,2,4-trimethylbenzene #2

R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 1420042
Conc: 2.23 ppb m



#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.001 min
Response: 1229604
Conc: 2.16 ppb m

7.5.8

7

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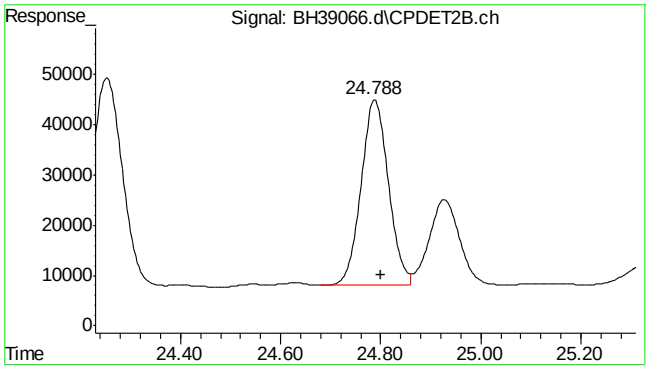


#34 c9-c10 arom as 1,2,4-tmb

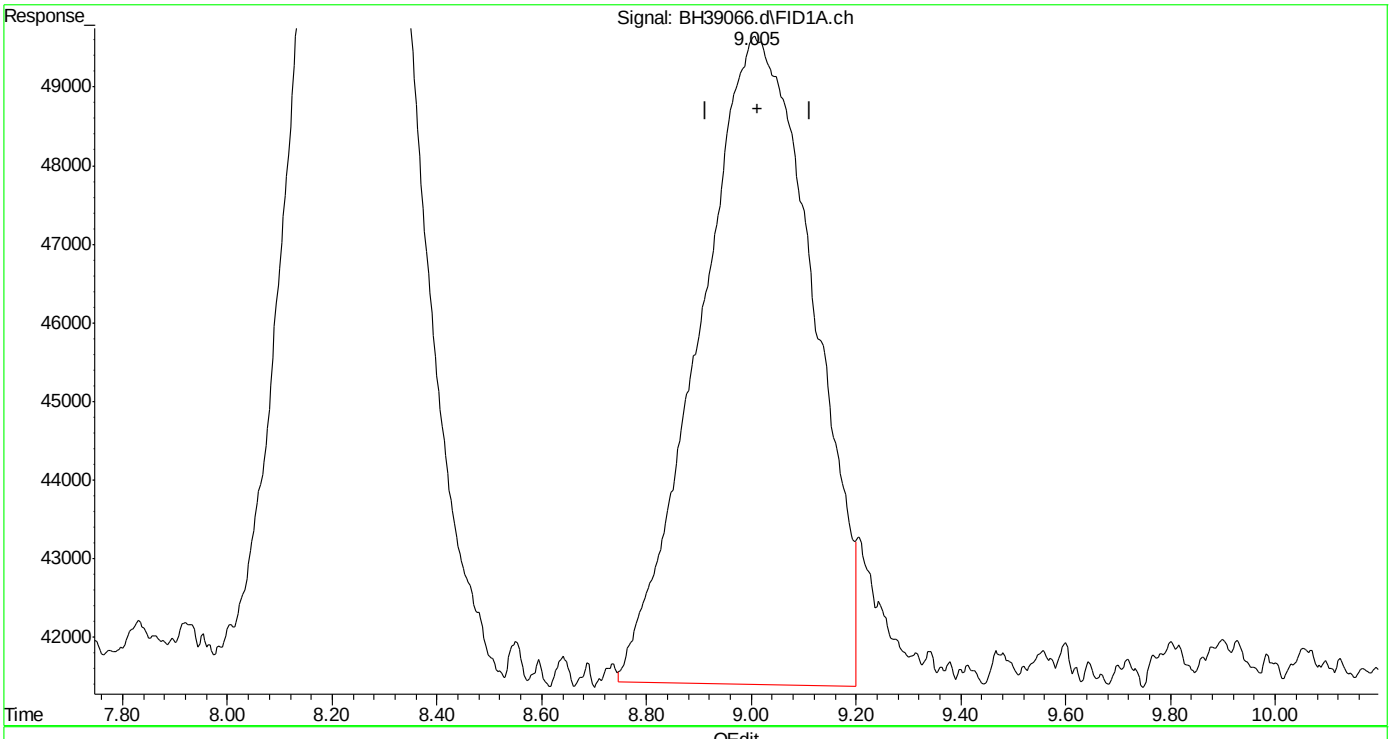
R.T.:	24.800 min
Delta R.T.:	0.000 min
Response:	1420112
Conc:	2.23 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.007min 1.984 ppb
response 1234027

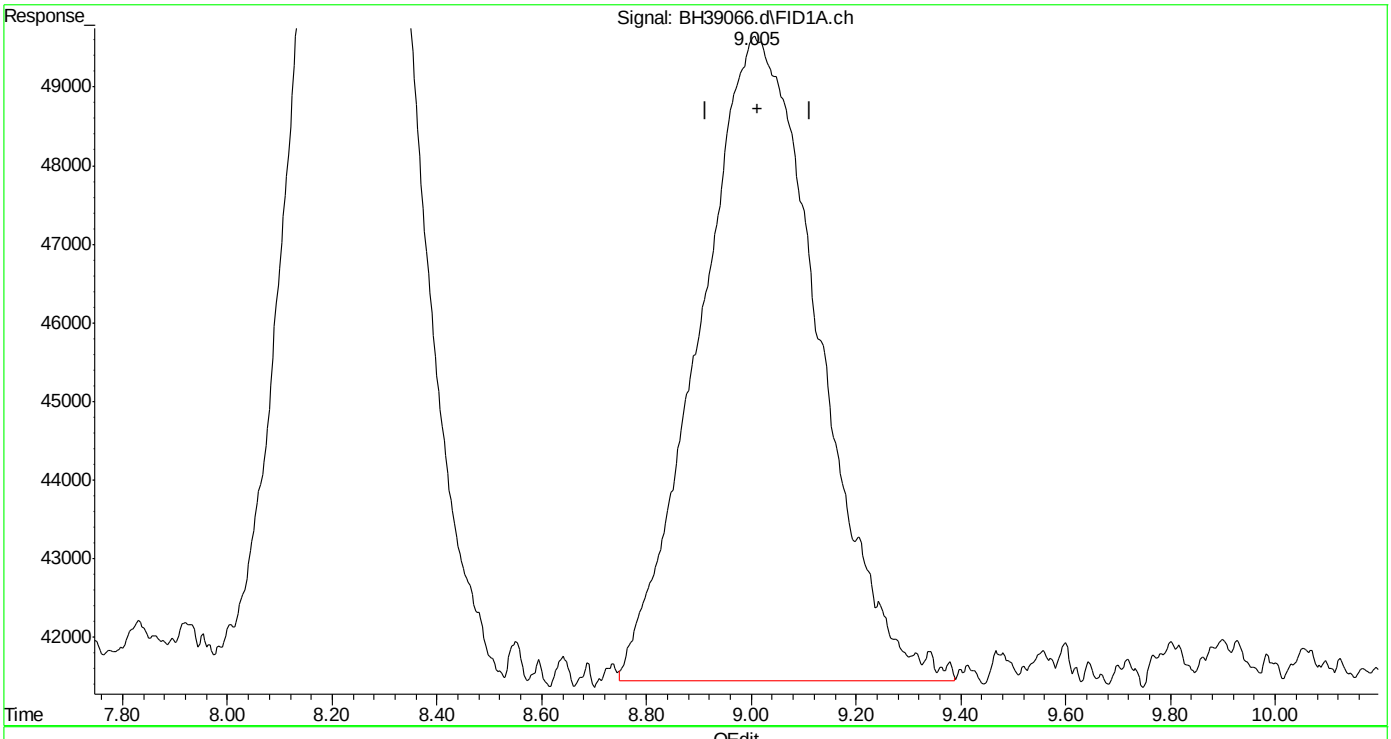
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:39:32 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.005min 2.084 ppb m
response 1295724

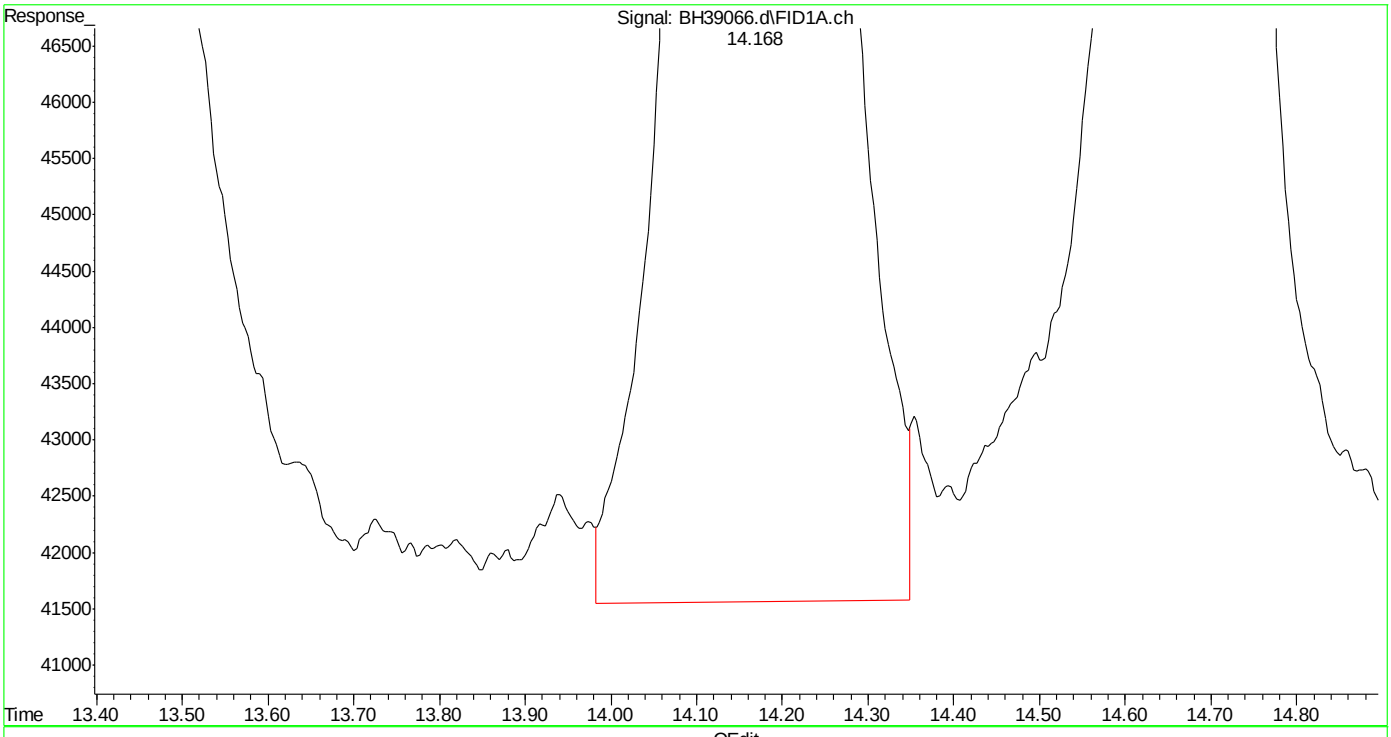
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:39:40 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.170min 2.243 ppb
response 2677253

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:06 2016 Page: 1

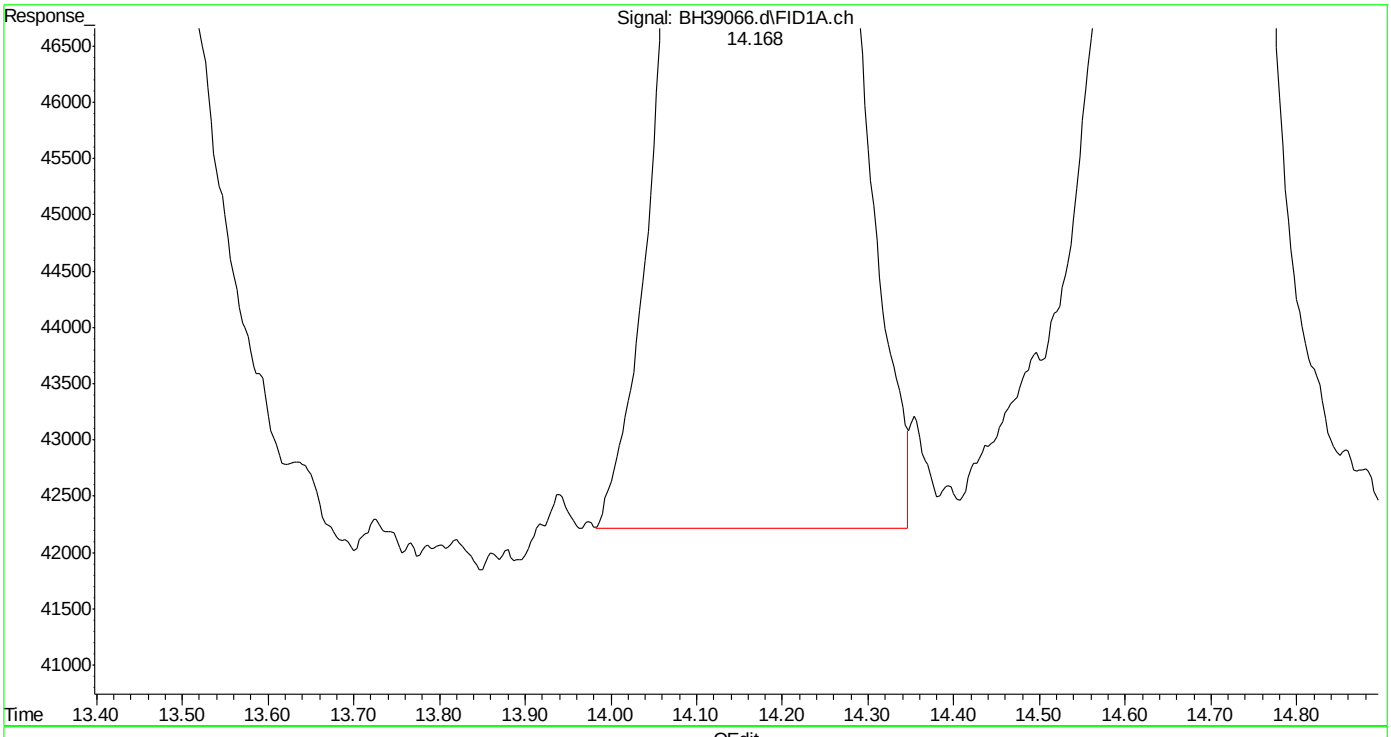
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.168min 2.121 ppb m
response 2531923

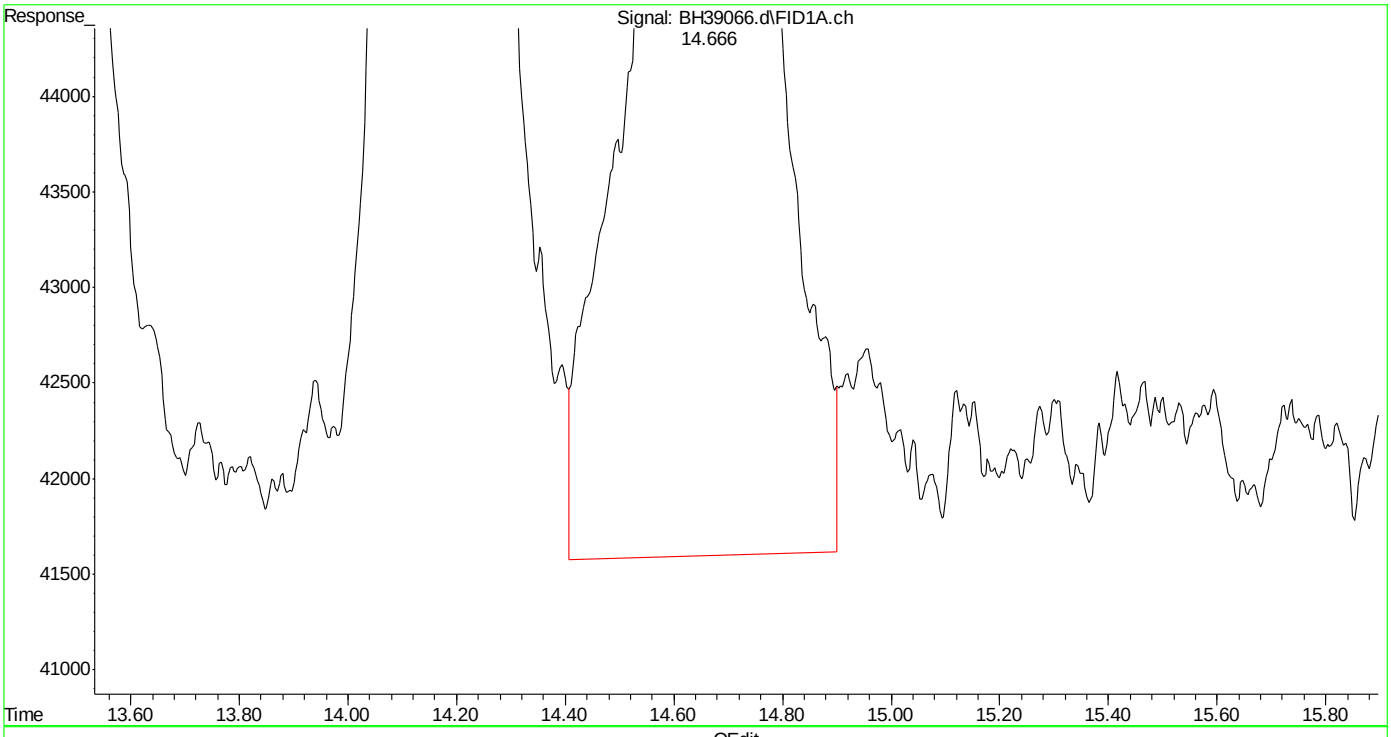
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.668min 2.406 ppb
response 2278365

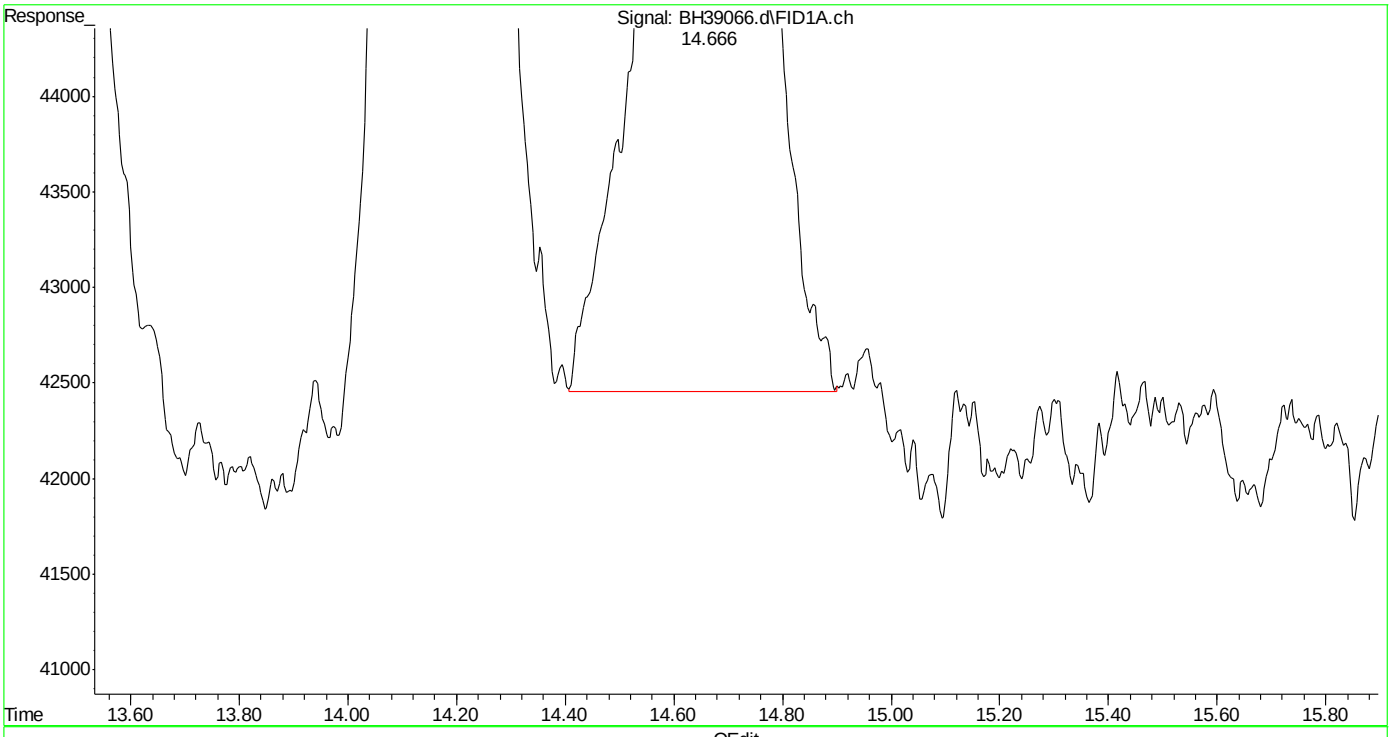
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:19 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.666min 2.139 ppb m
response 2025236

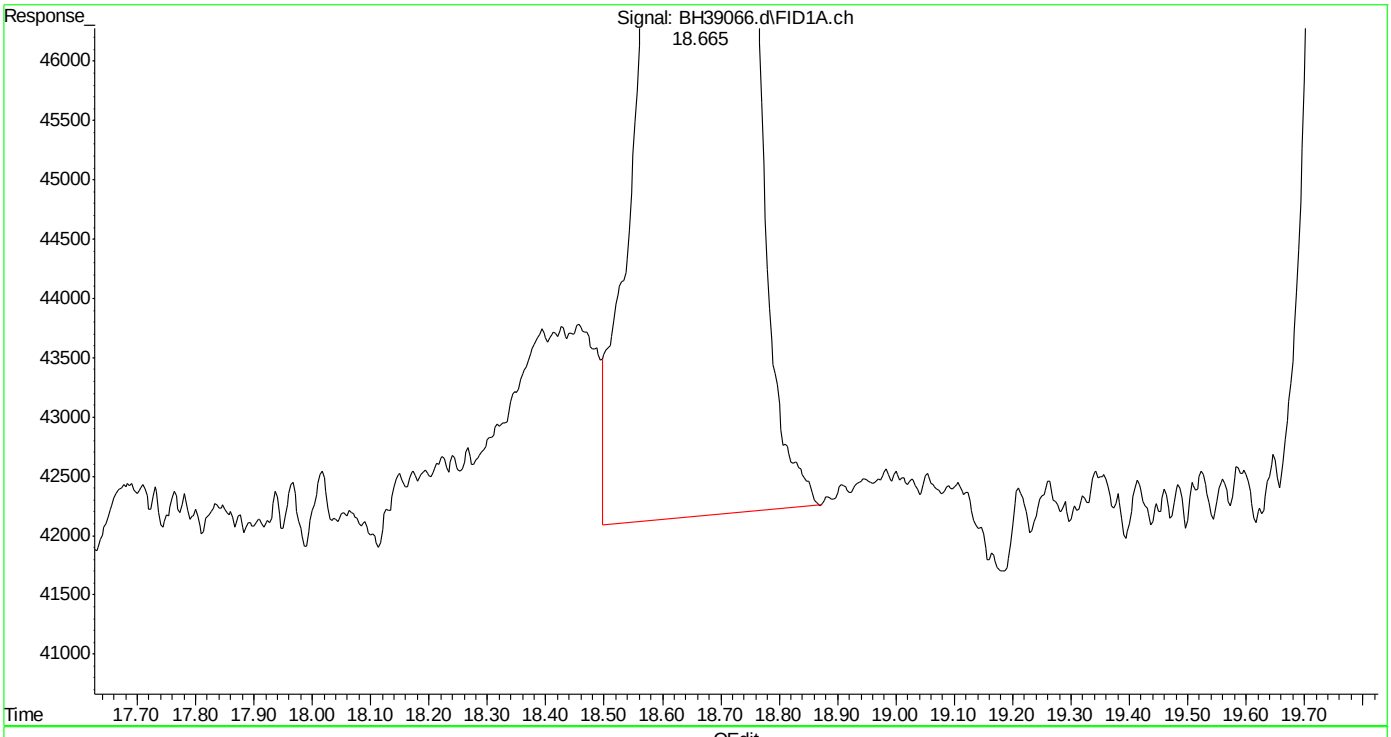
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:29 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.667min 2.181 ppb
response 2599607

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:35 2016

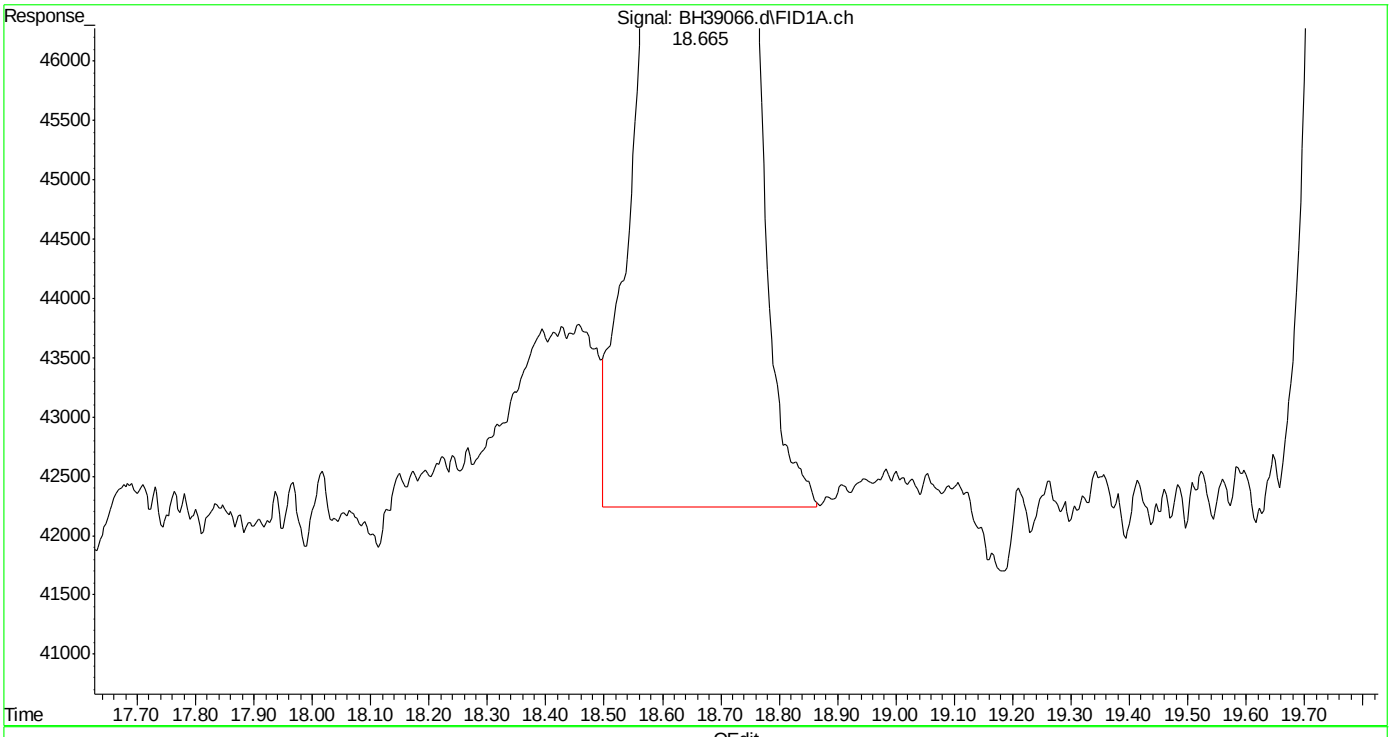
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.665min 2.167 ppb m
response 2582770

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:41 2016

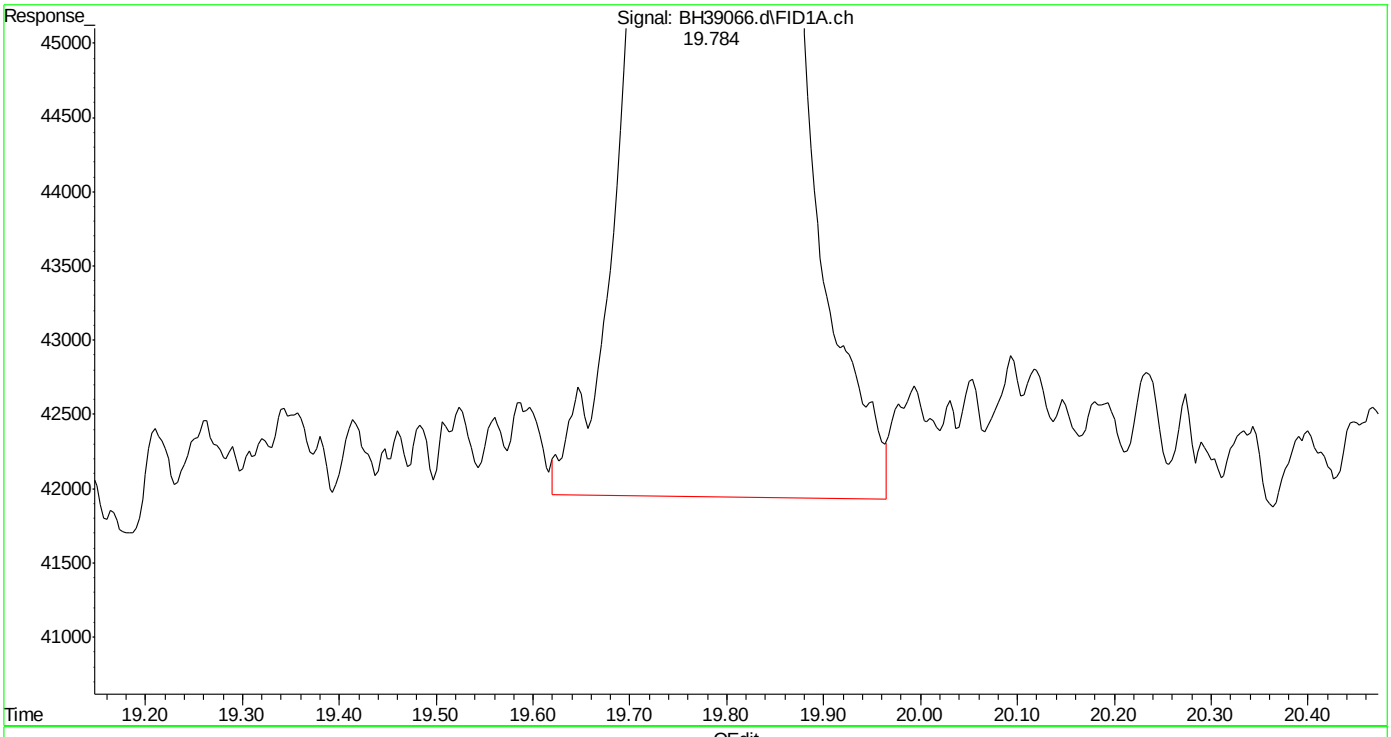
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.786min 2.329 ppb
response 1845076

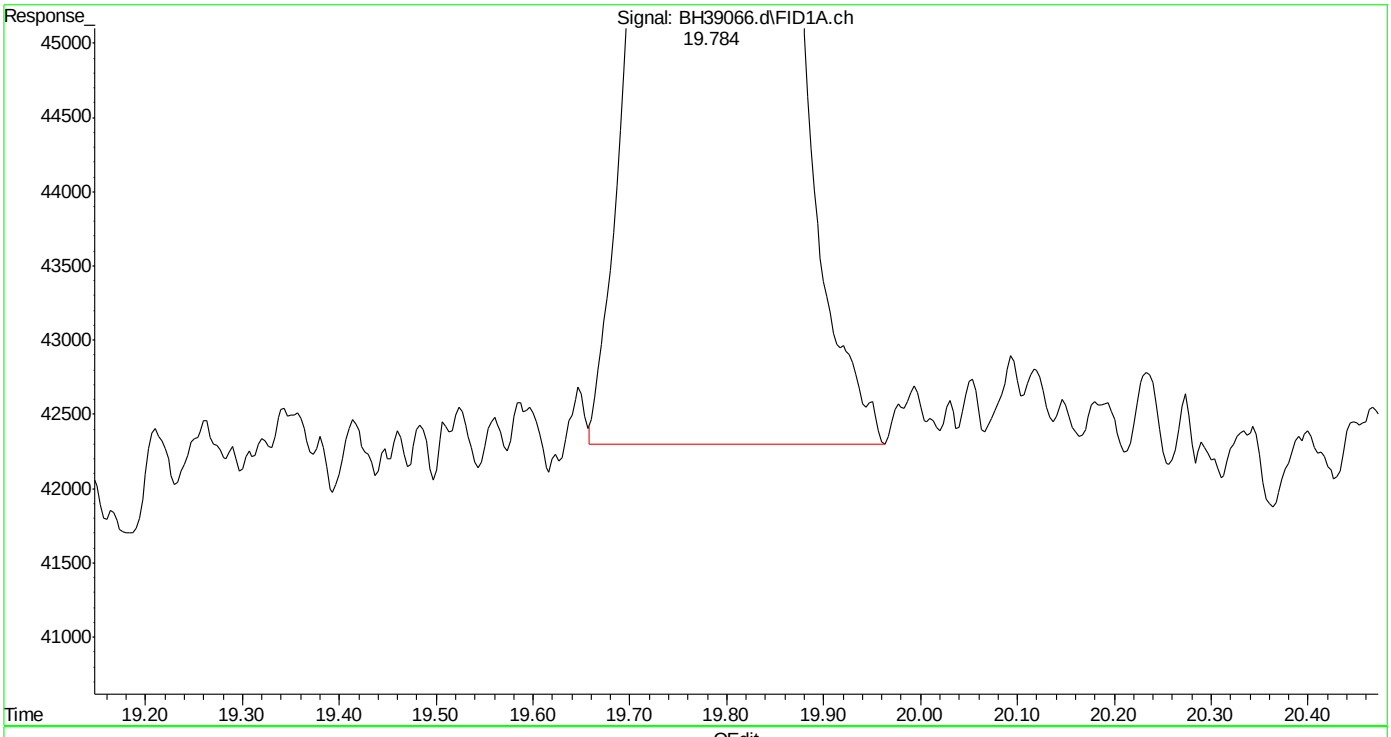
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:46 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.784min 2.233 ppb m
response 1769458

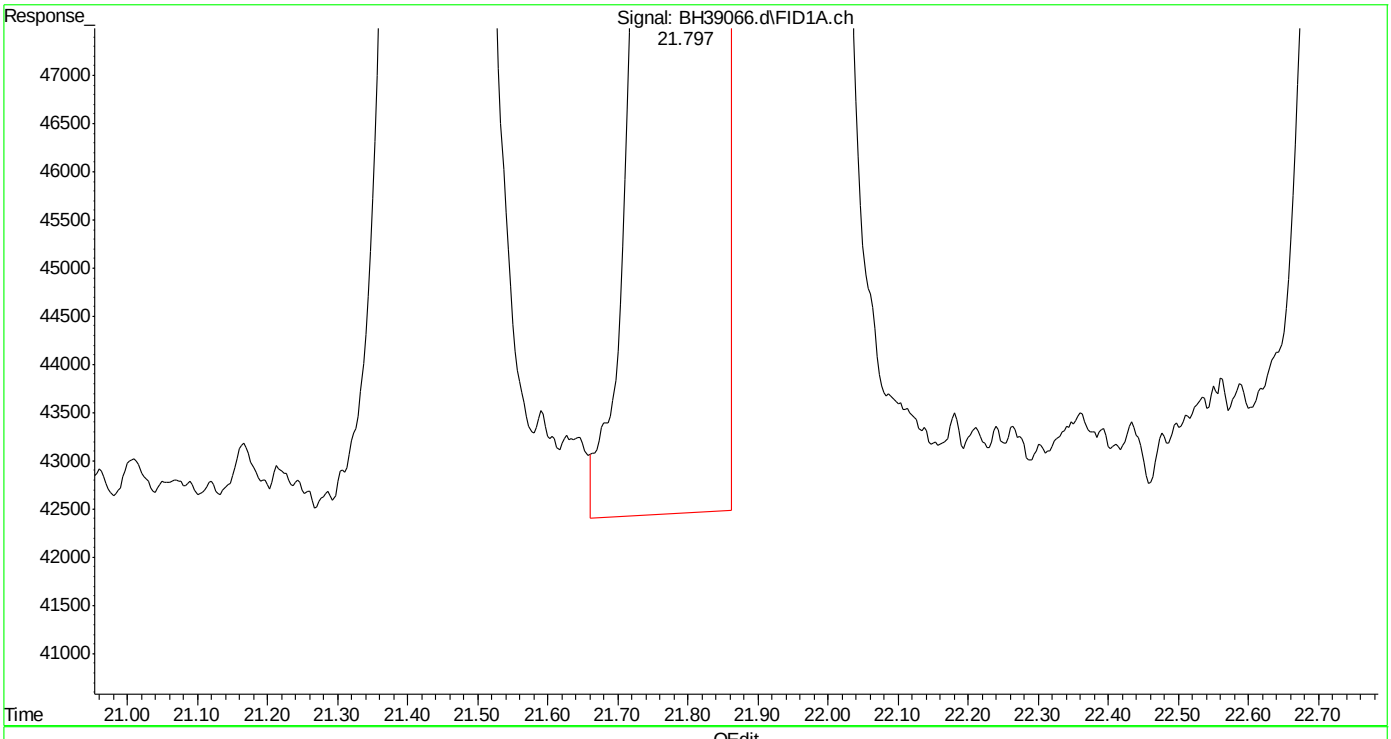
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:40:51 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.799min 2.174 ppb
response 2558659

(+) = Expected Retention Time

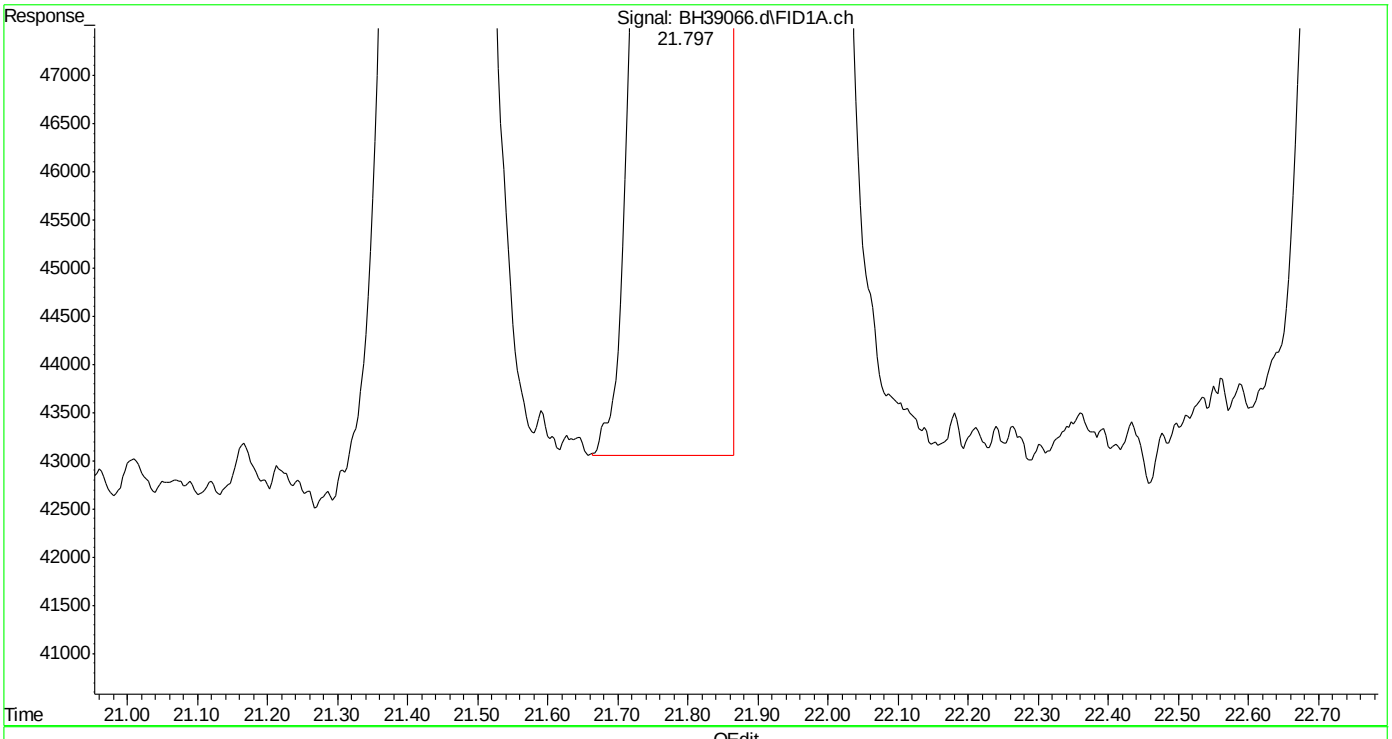
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.797min 2.153 ppb m
response 2534836

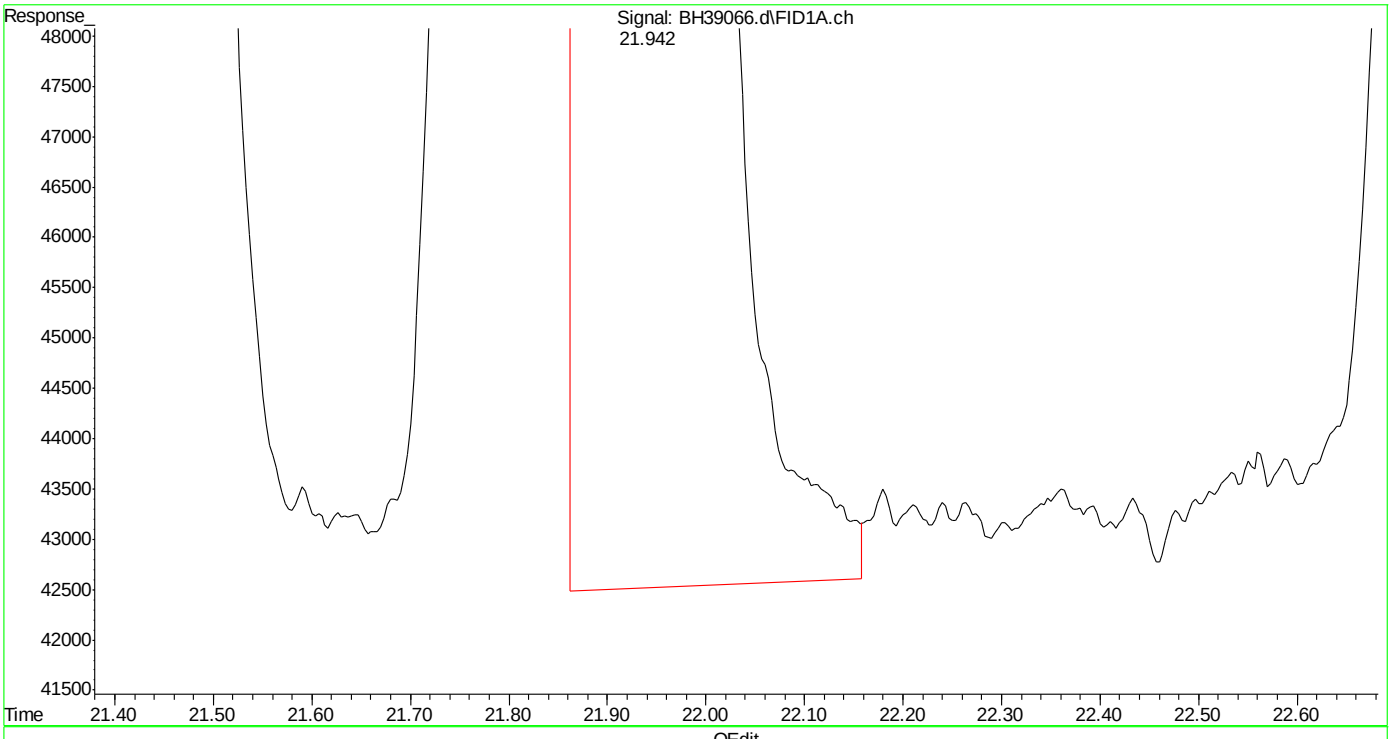
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:15 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 4.382 ppb
response 5423328

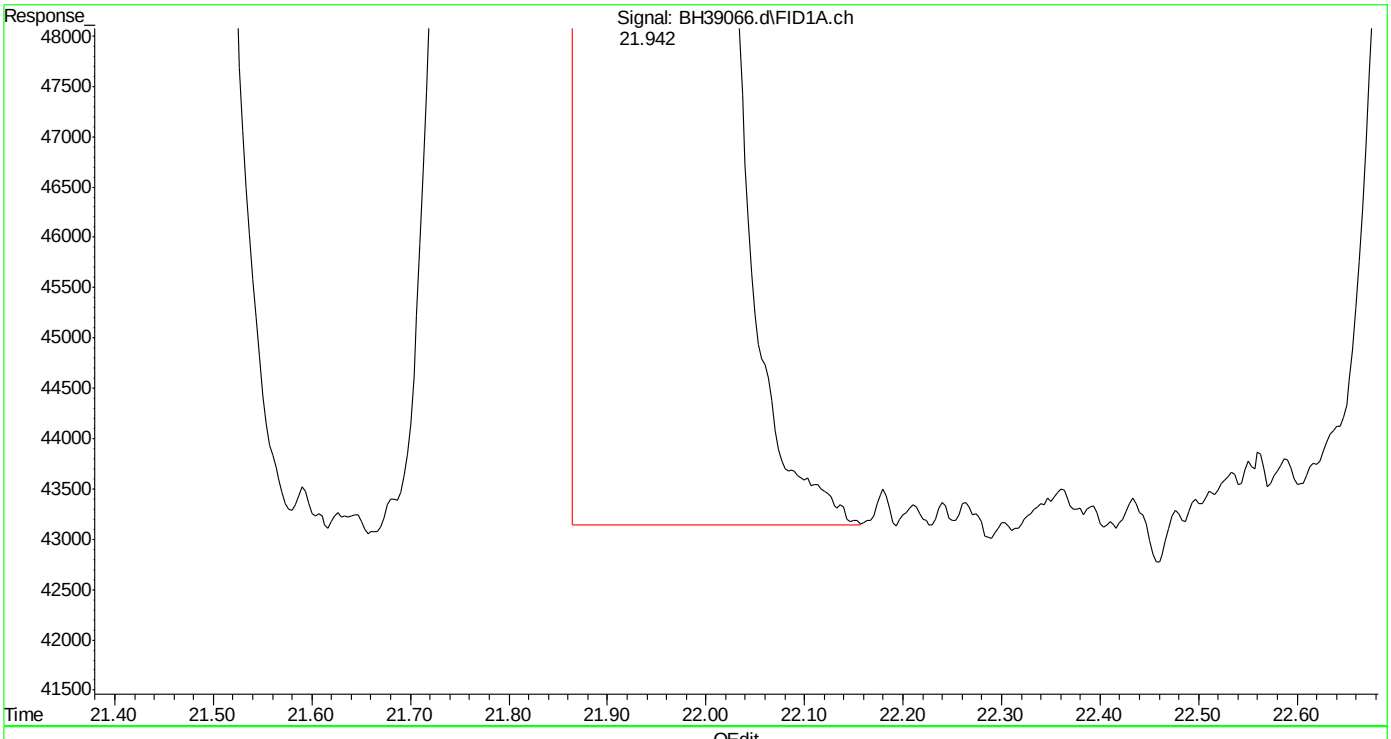
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:18 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.942min 4.270 ppb m
response 5284149

(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.755min 2.227 ppb
response 2816880

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:27 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.753min 2.136 ppb m
response 2701691

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:33 2016

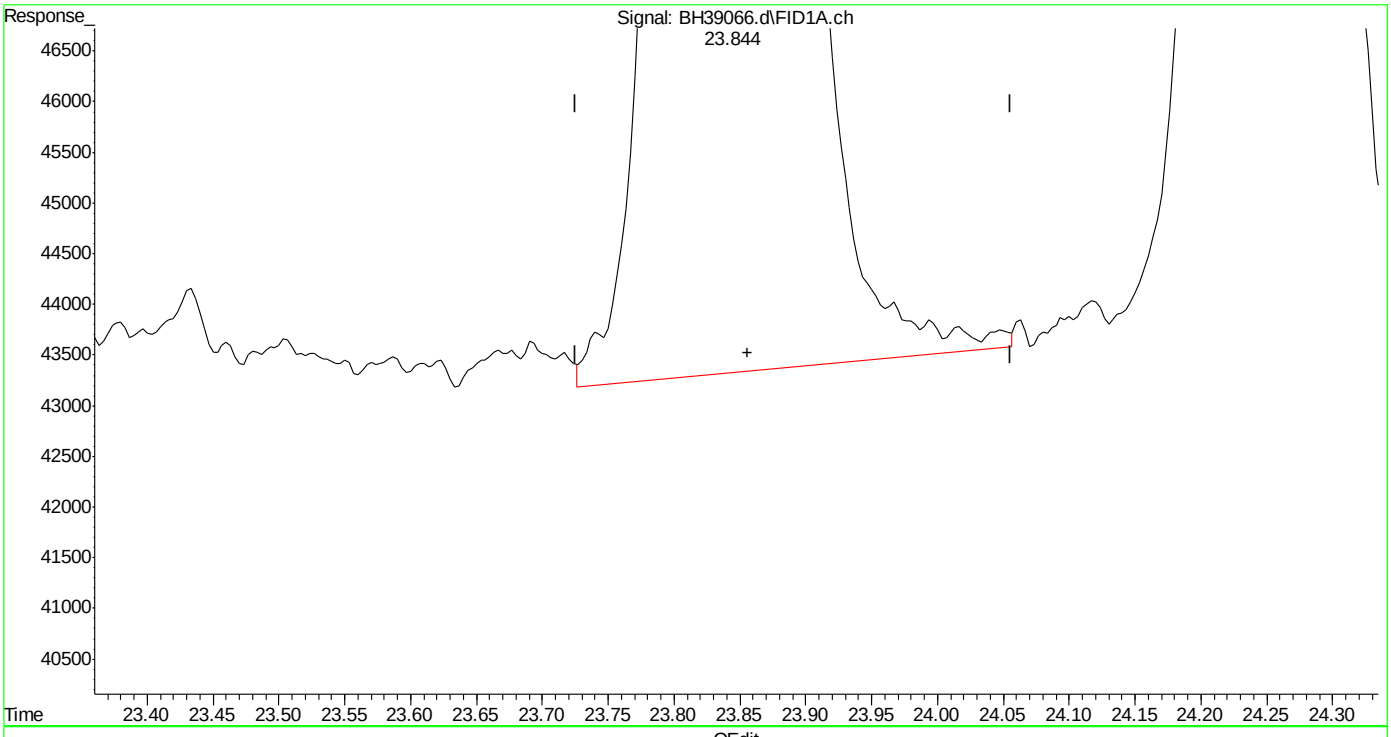
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 2.382 ppb
response 2587480

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:37 2016

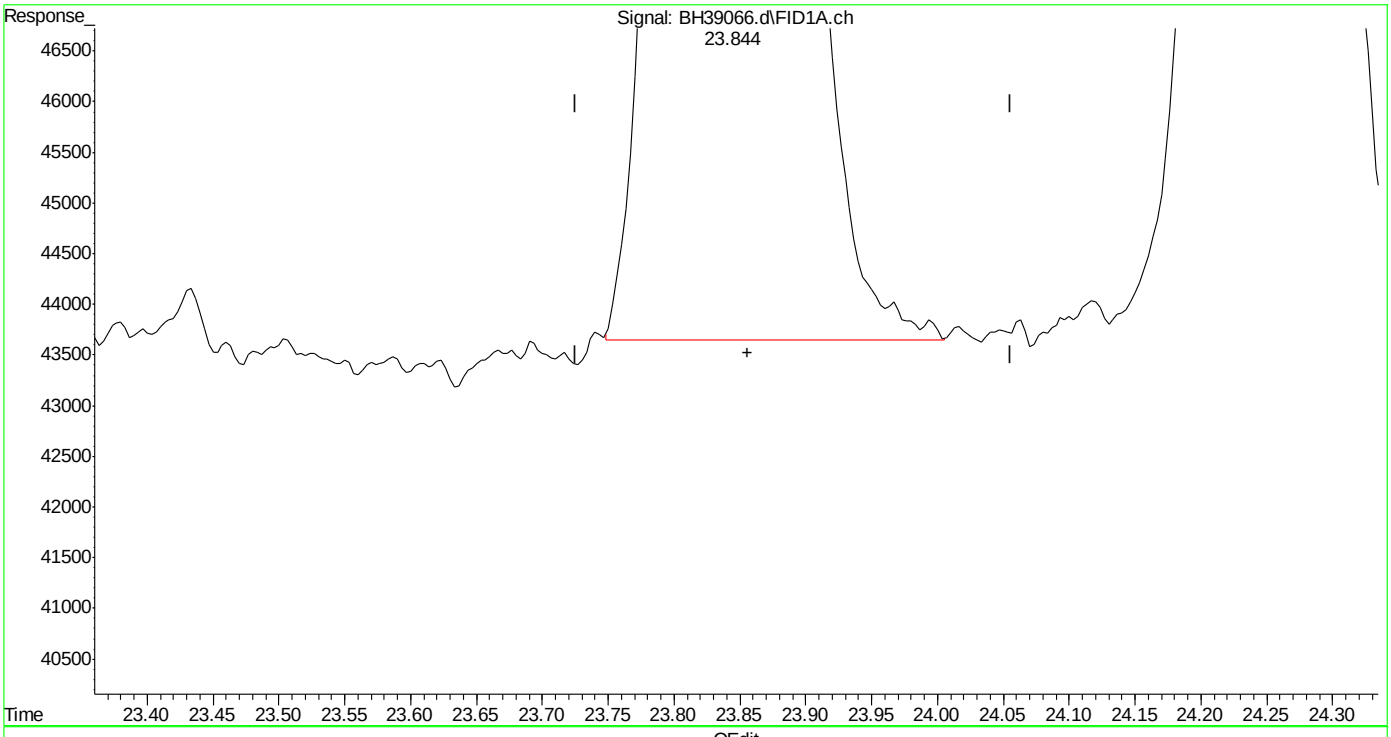
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 2.332 ppb m
response 2533298

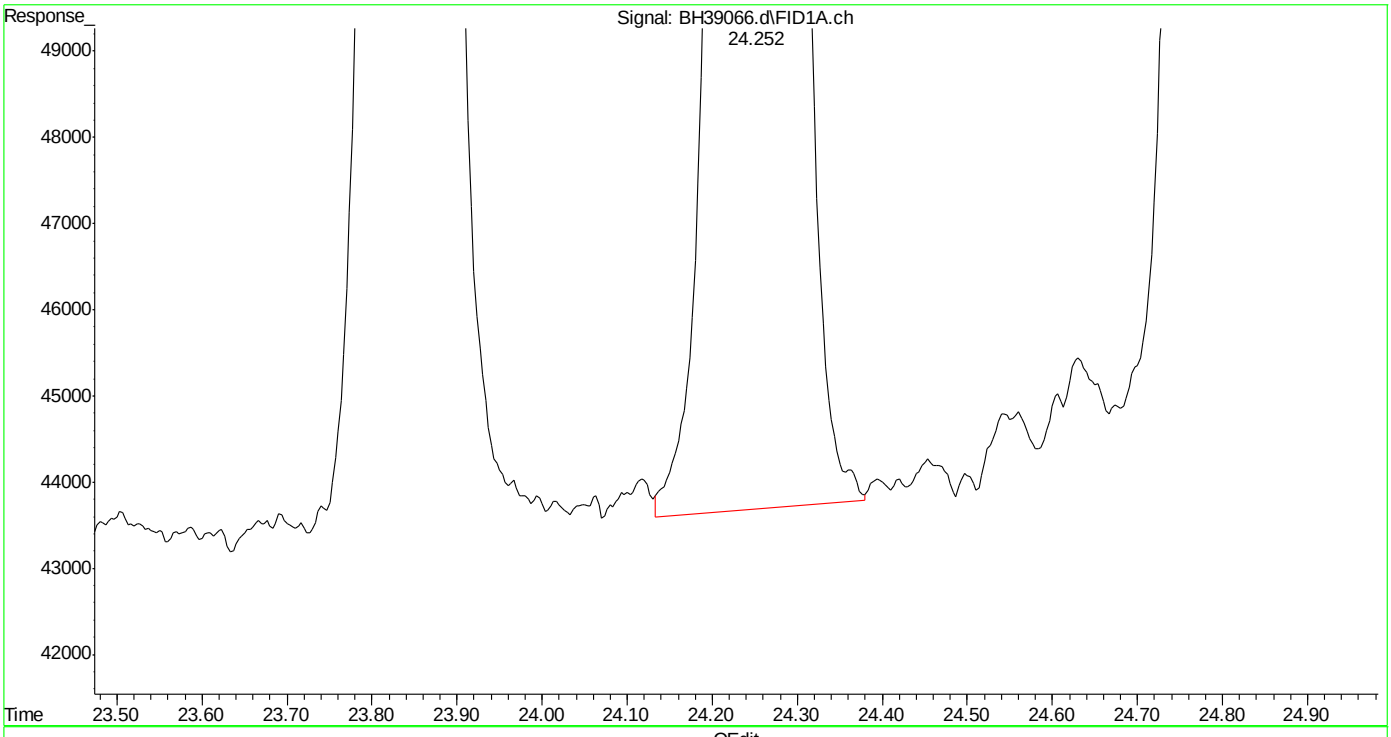
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:46 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 2.258 ppb
response 2972486

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:51 2016

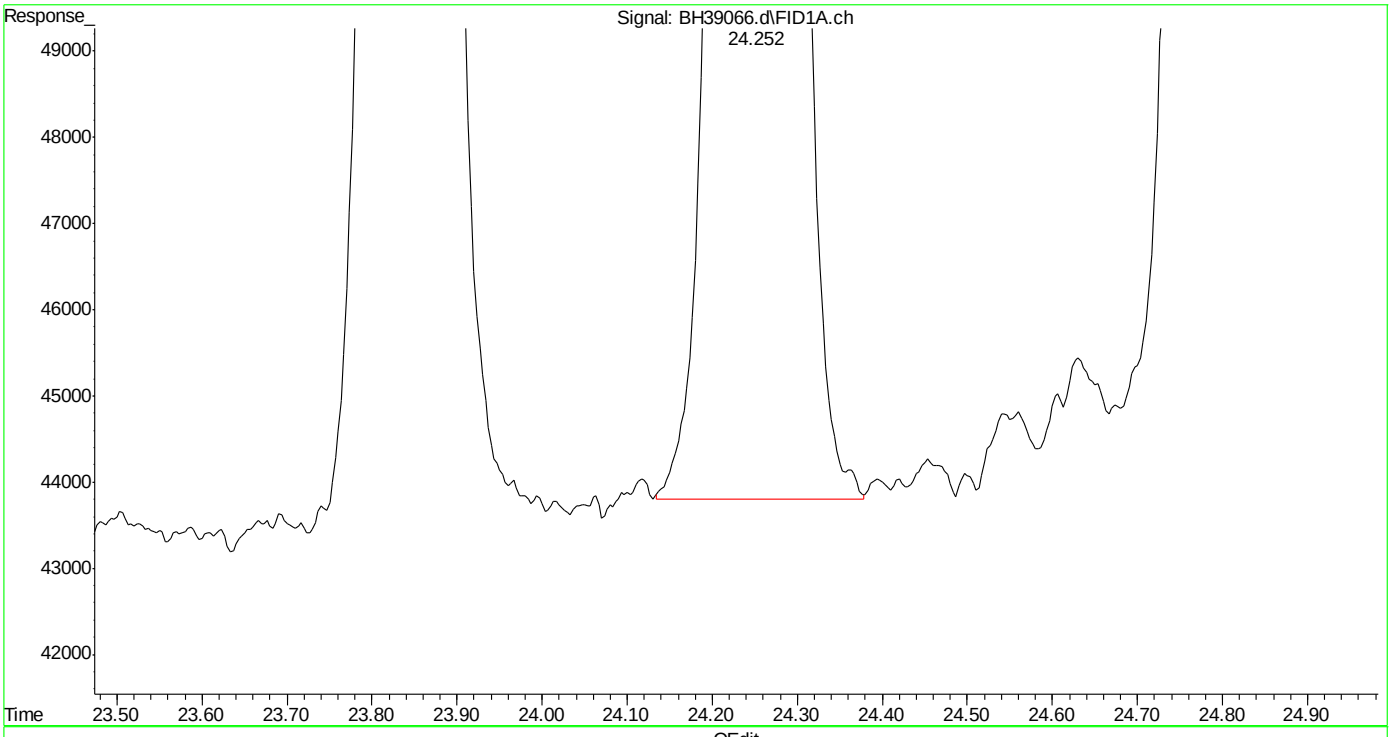
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.252min 2.245 ppb m
response 2955201

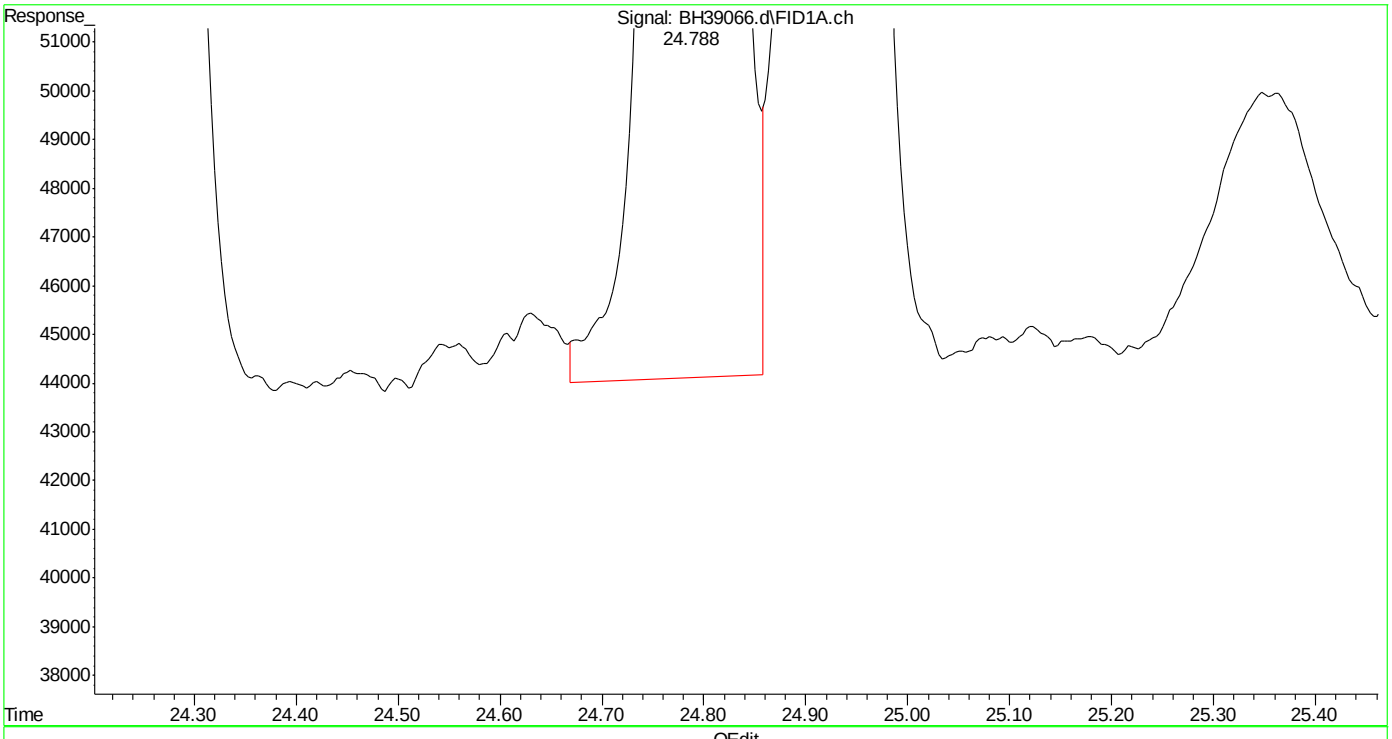
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:41:56 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)

24.789min 2.315 ppb

response 3076177

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 13:42:01 2016

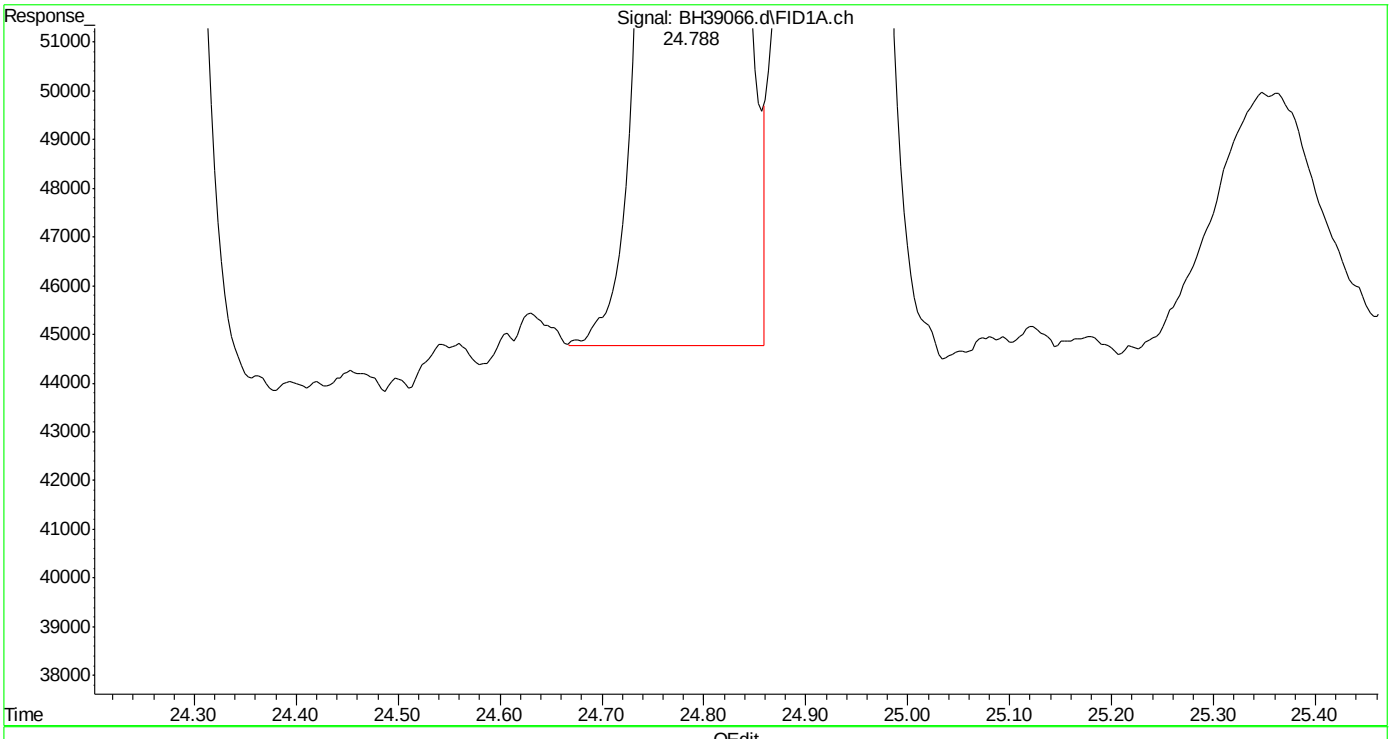
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)

24.788min 2.261 ppb m

response 3004972

(+) = Expected Retention Time

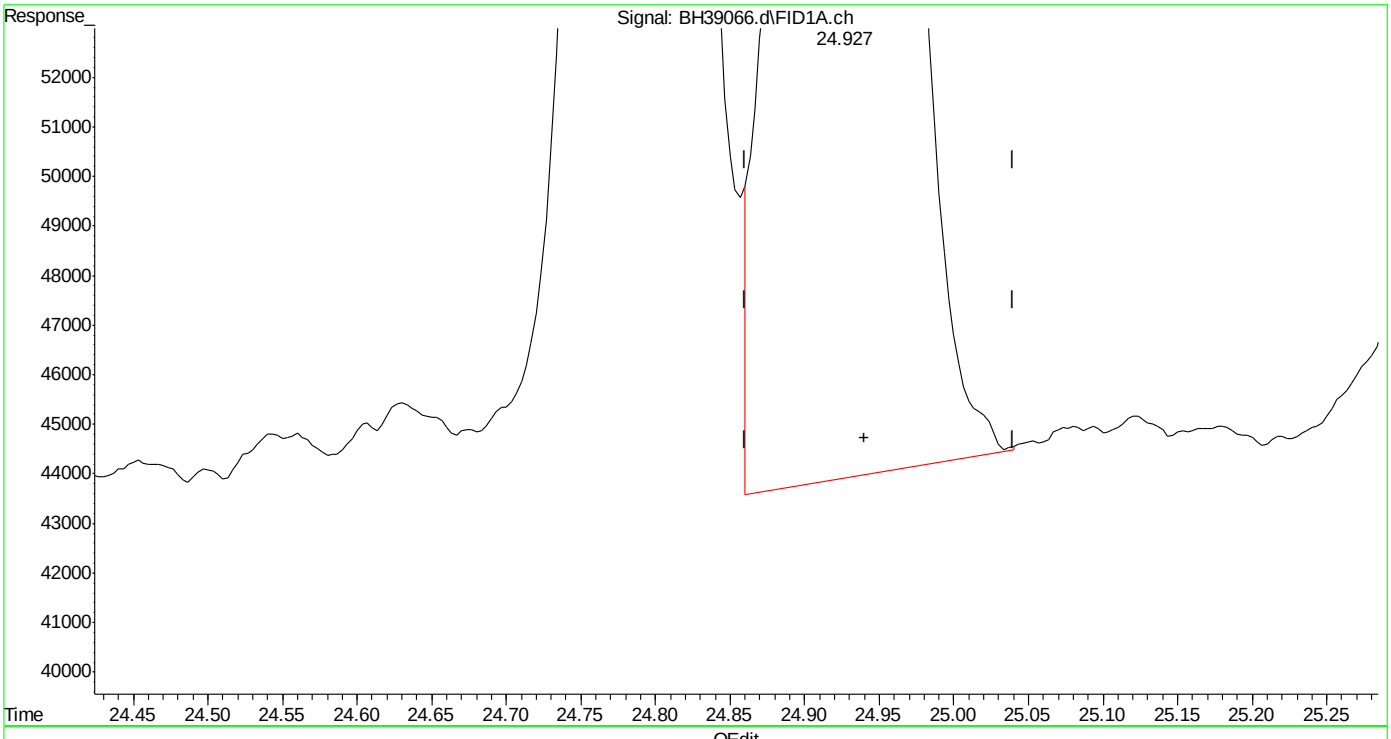
bh160420vphmaster.m Wed Apr 20 13:42:08 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 2.386 ppb
response 2831543

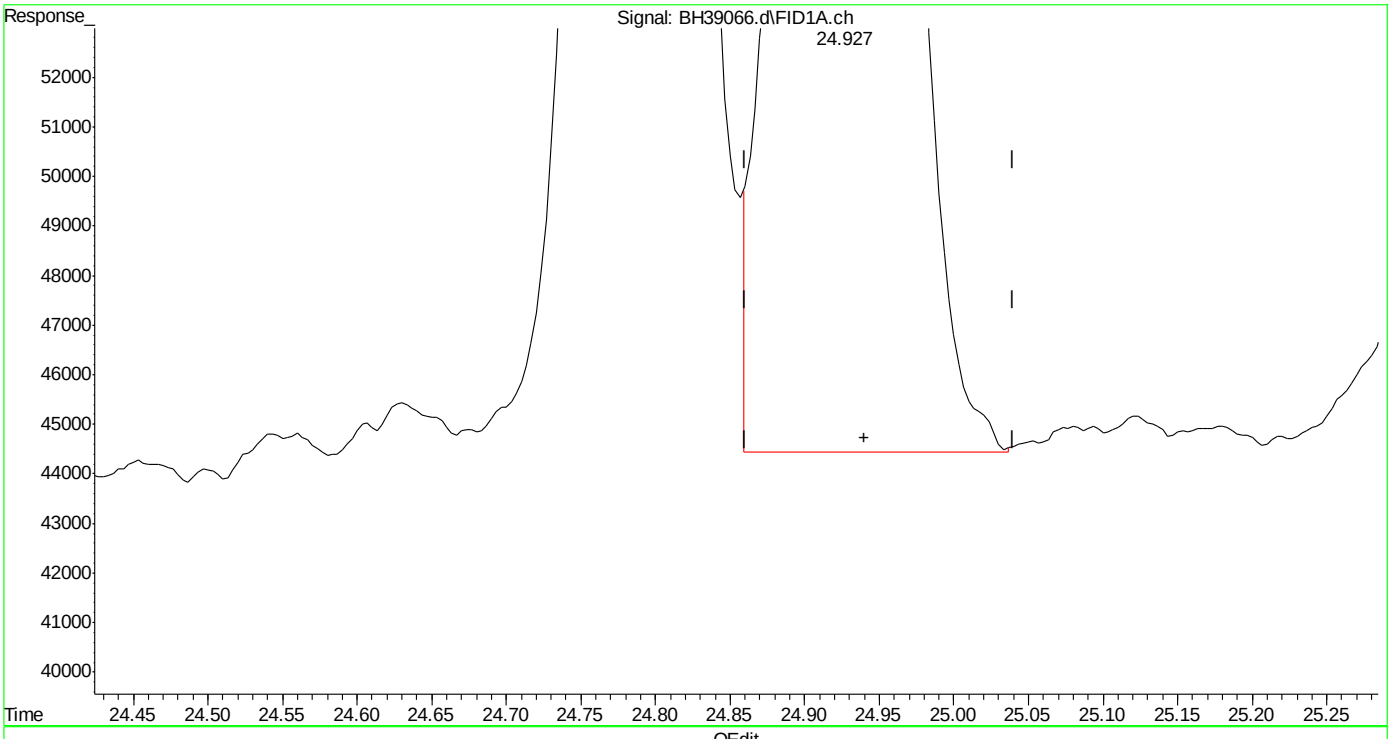
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 2.377 ppb m
response 2820356

(+) = Expected Retention Time

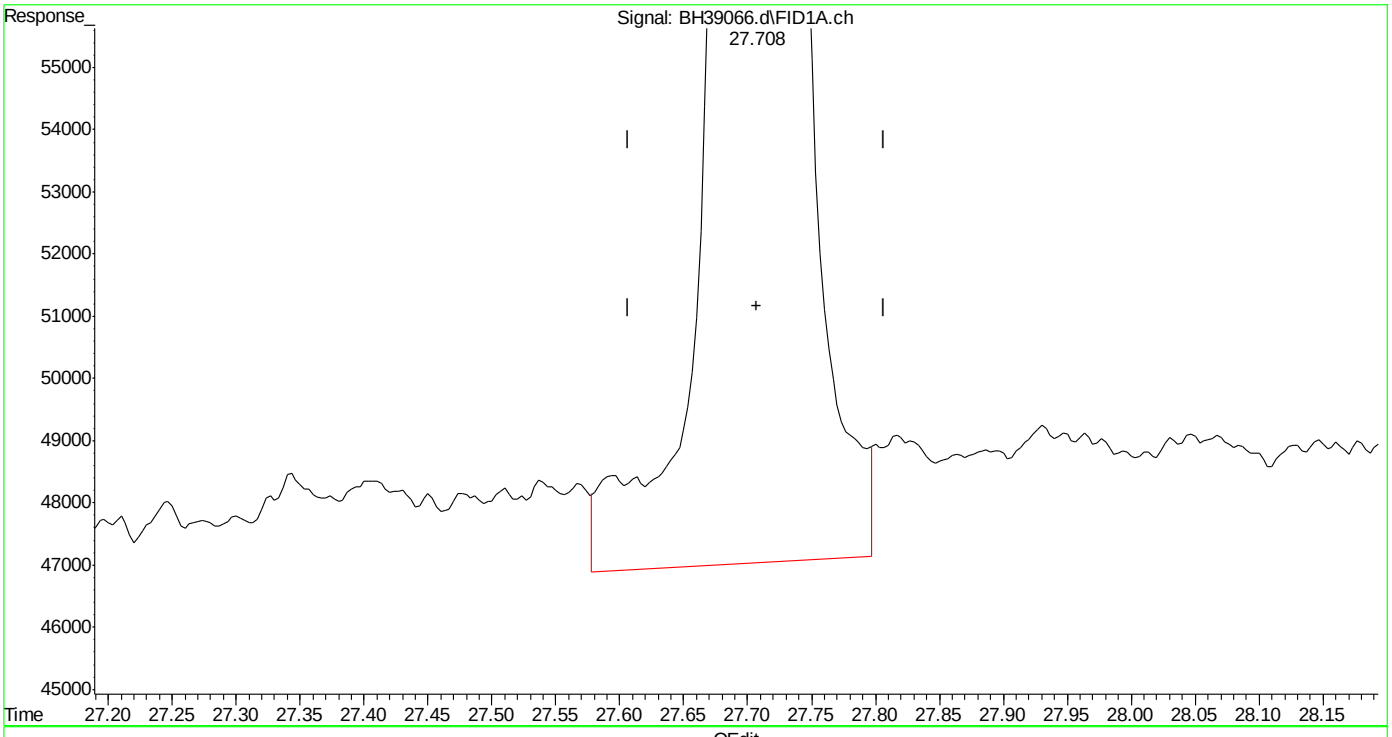
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 2.369 ppb
response 1972489

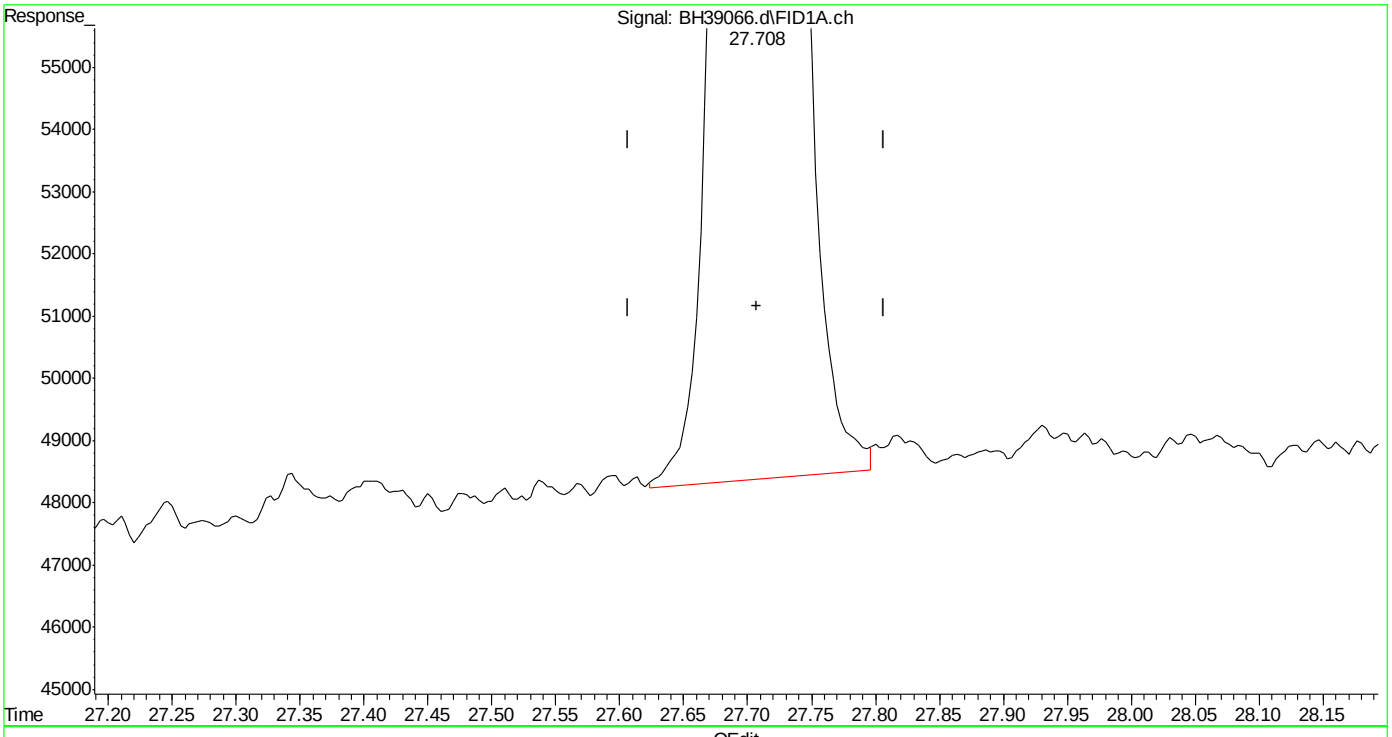
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.708min 2.154 ppb m
response 1793508

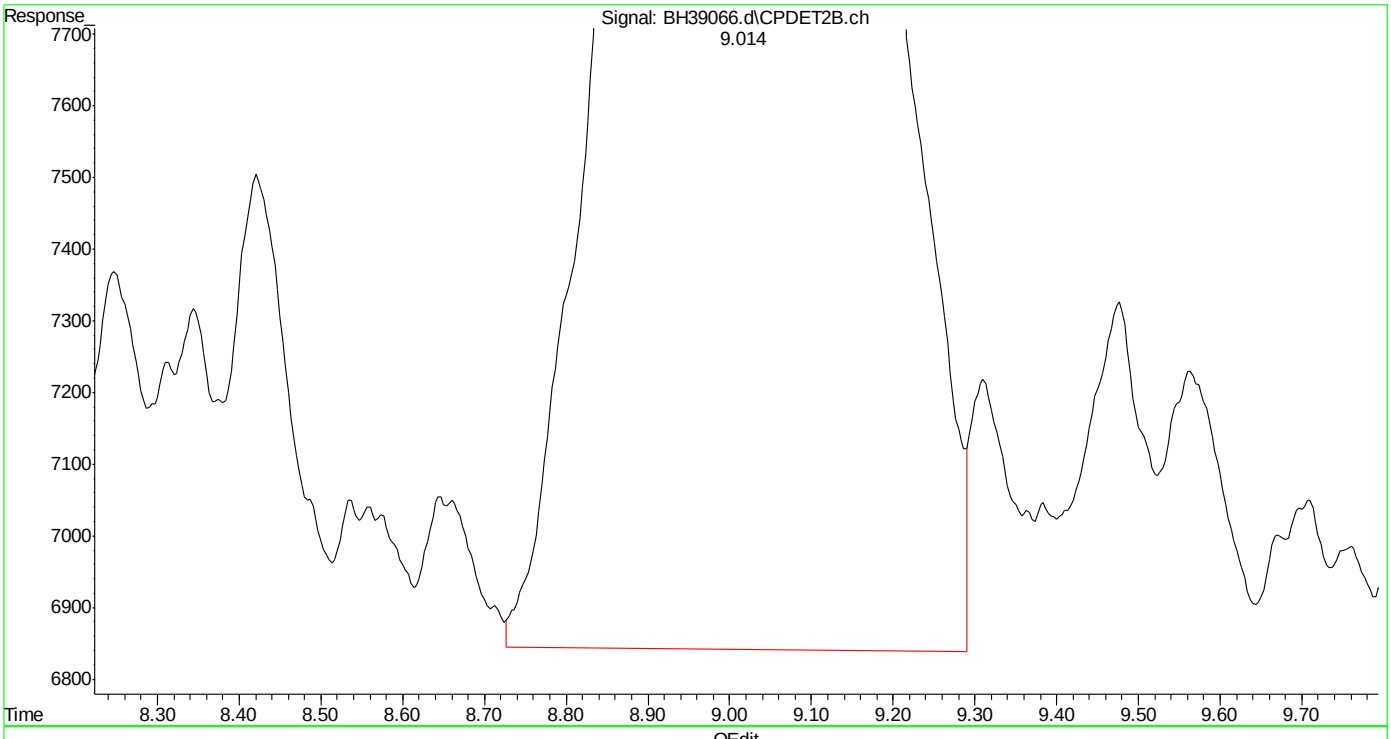
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:42:34 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.016min 2.101 ppb
response 603062

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:42:39 2016

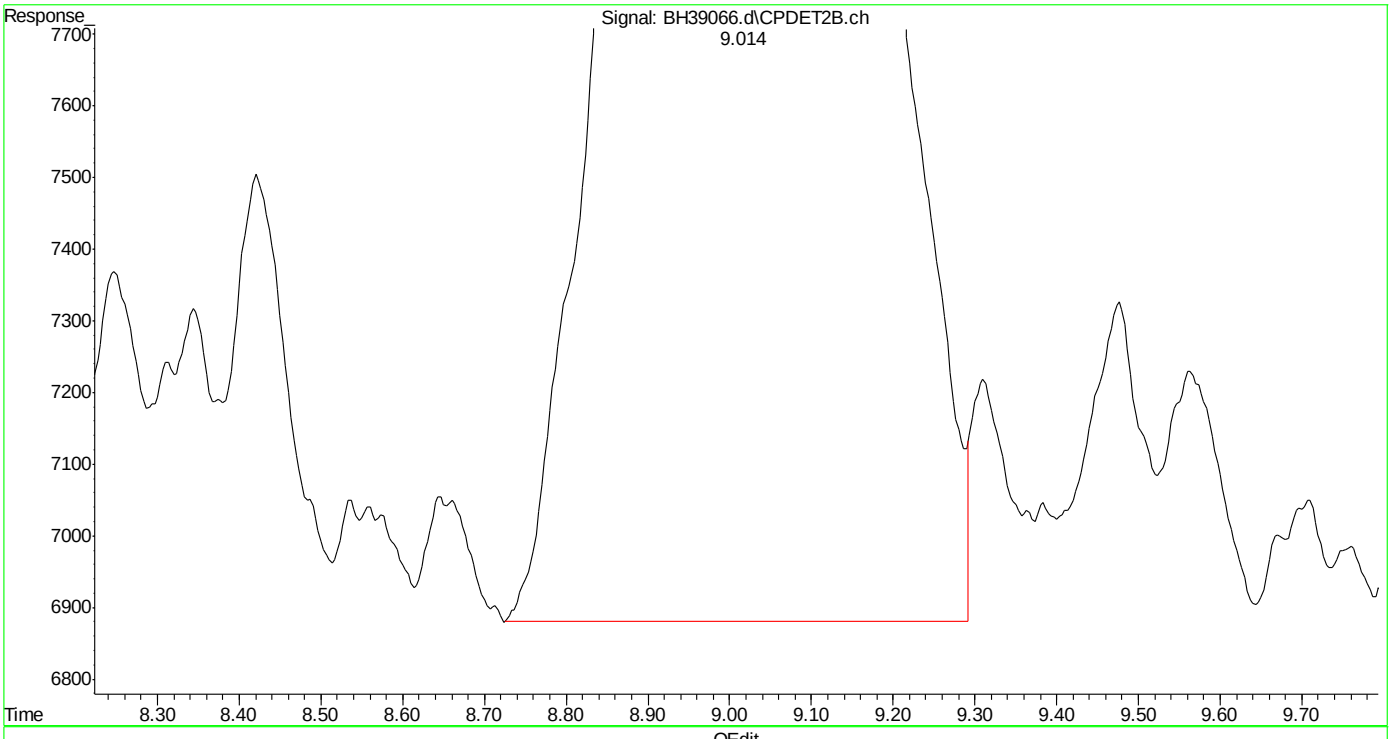
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.014min 2.056 ppb m
response 590163

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:42:46 2016 Page: 1

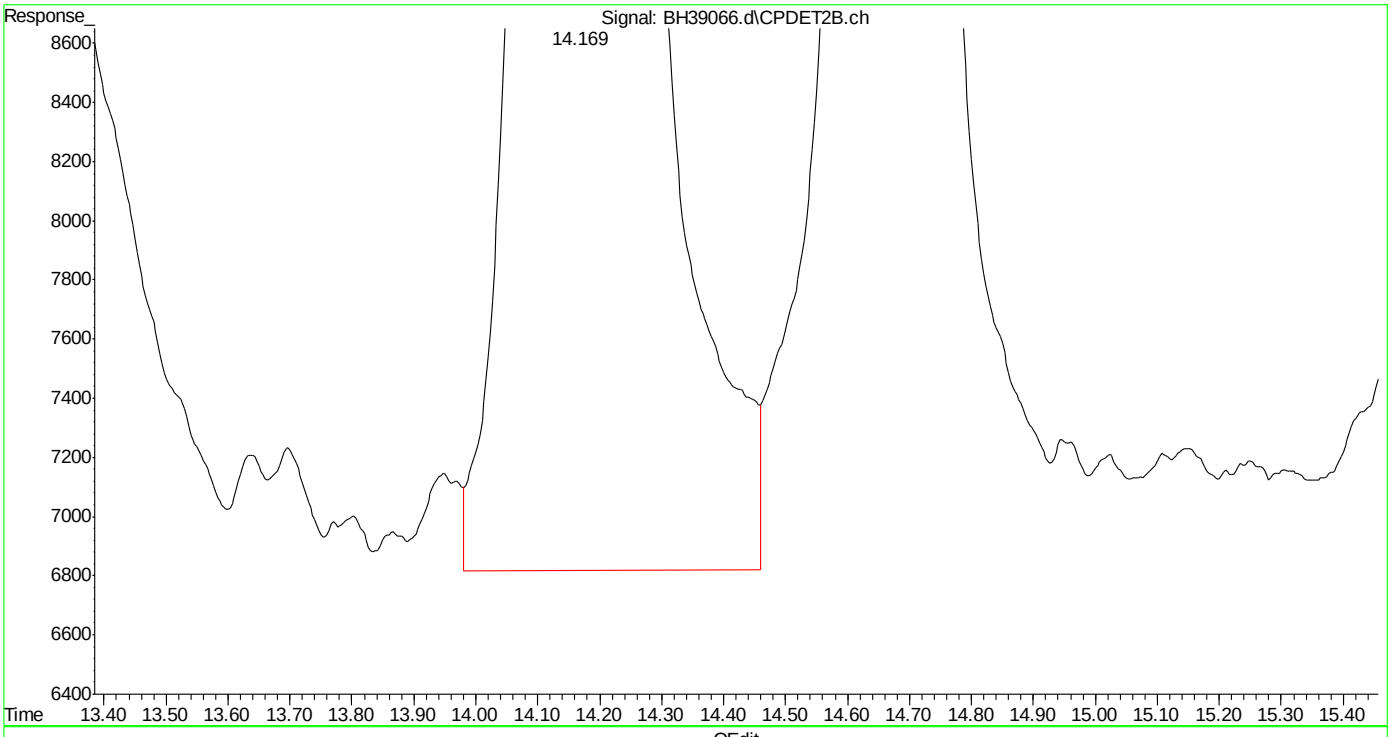
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.171min 2.257 ppb
response 1477337

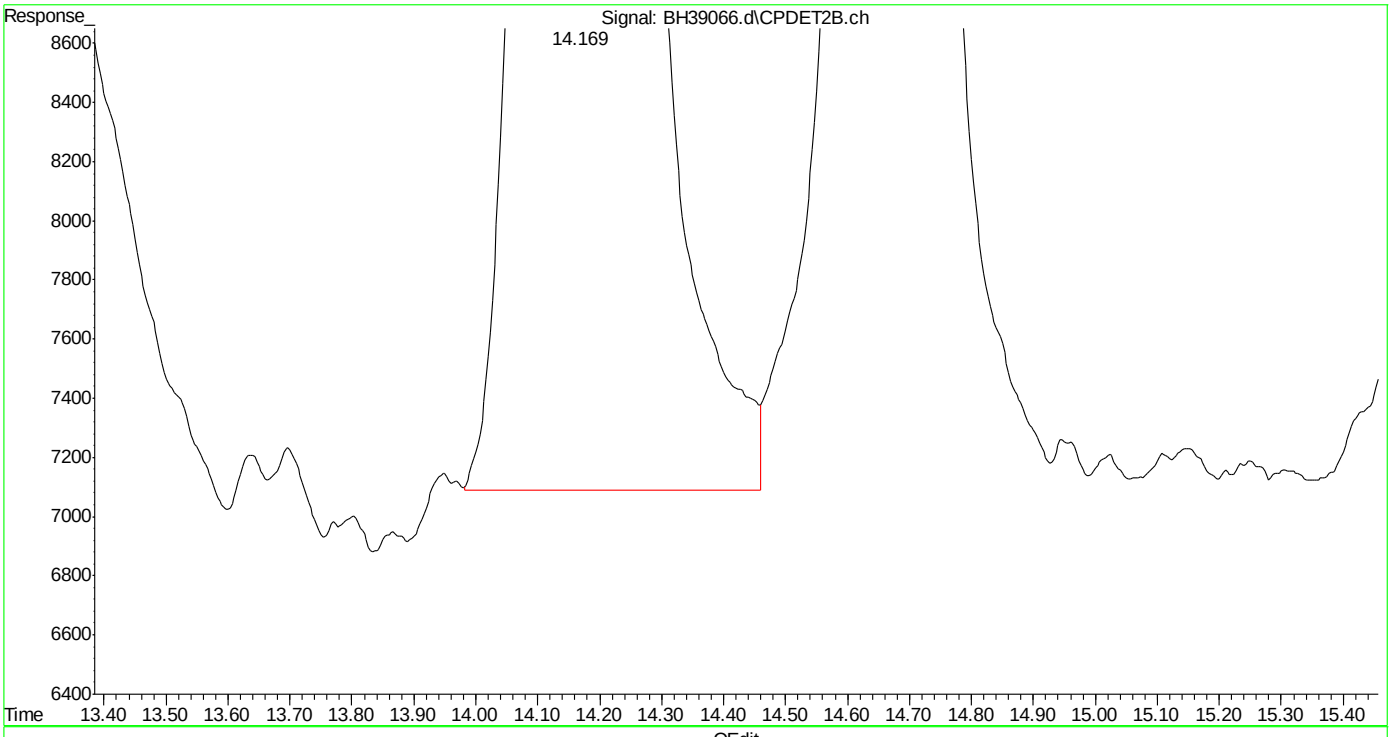
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:42:51 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.169min 2.137 ppb m
response 1399084

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:42:59 2016

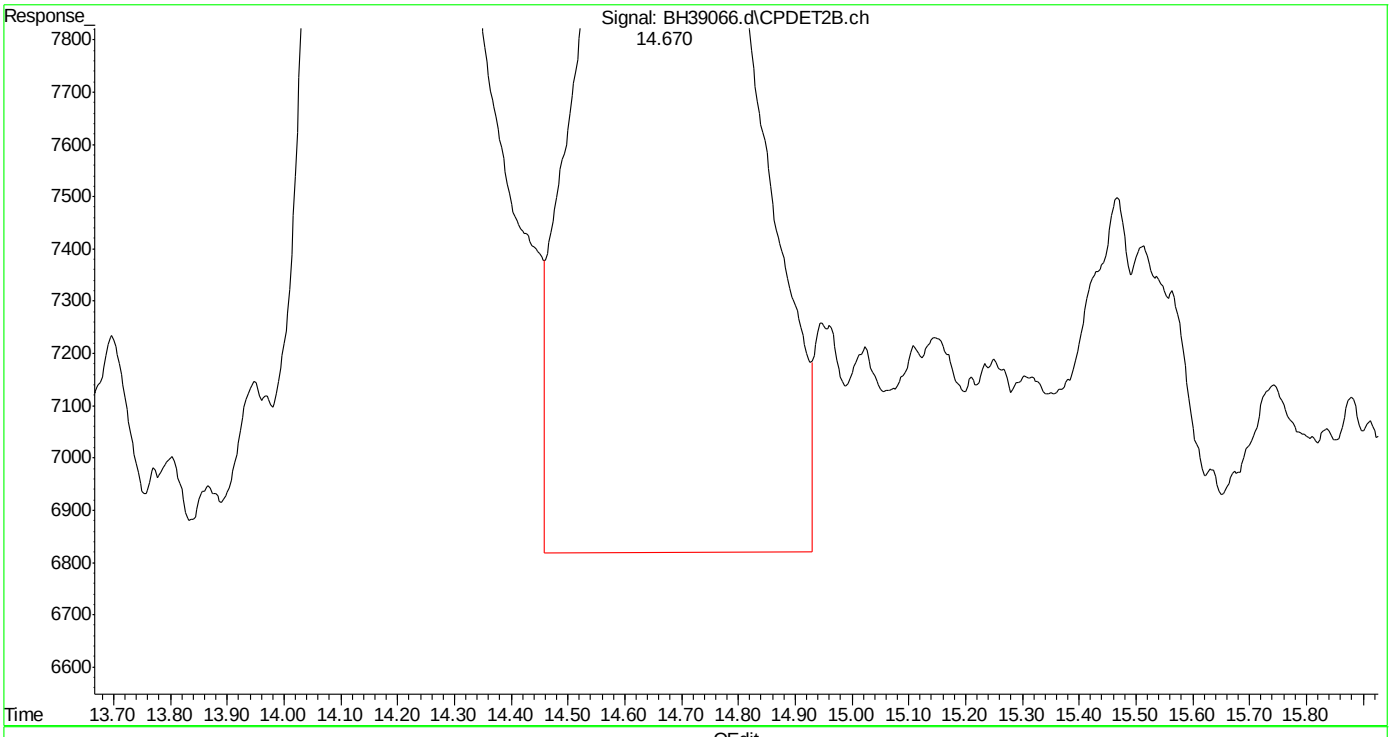
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.672min 2.305 ppb
response 946722

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:03 2016

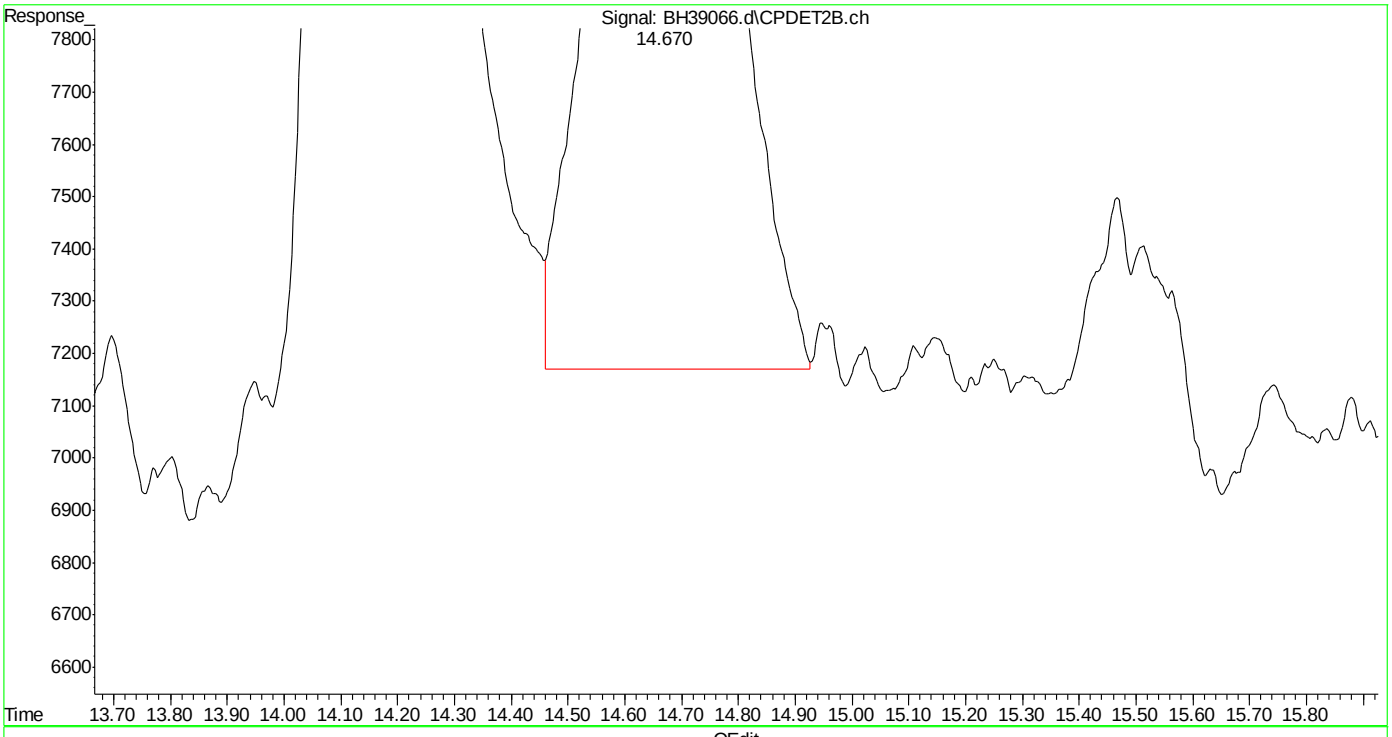
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.670min 2.063 ppb m
response 847261

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:10 2016

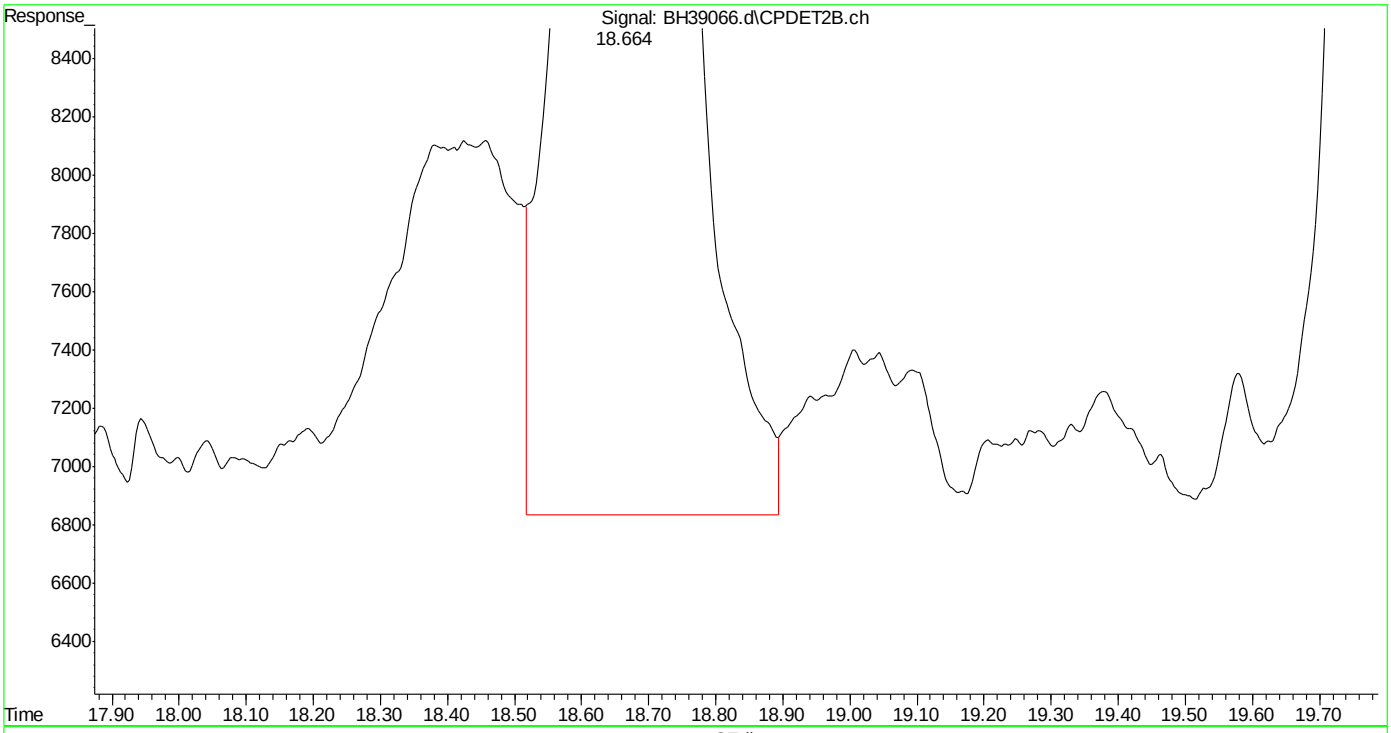
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 2.172 ppb
response 1334473

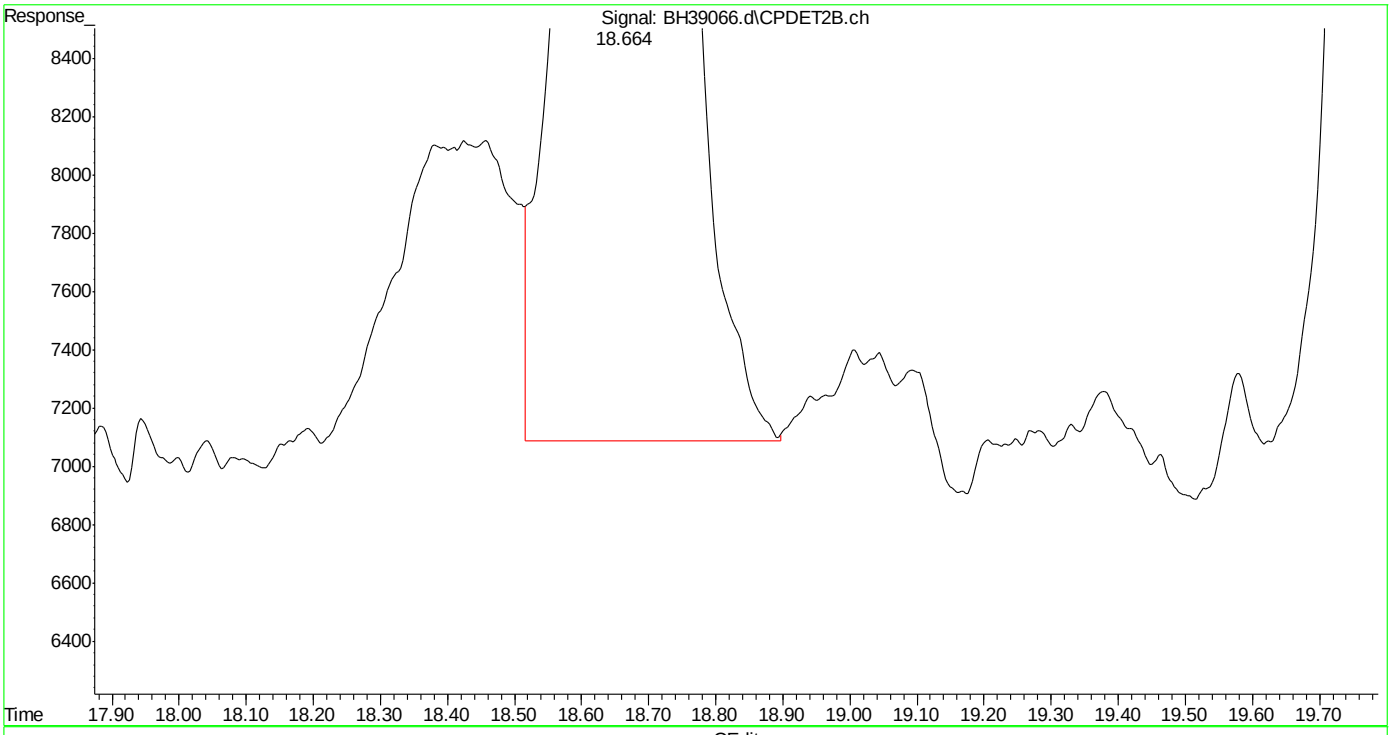
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:14 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.664min 2.079 ppb m
response 1277211

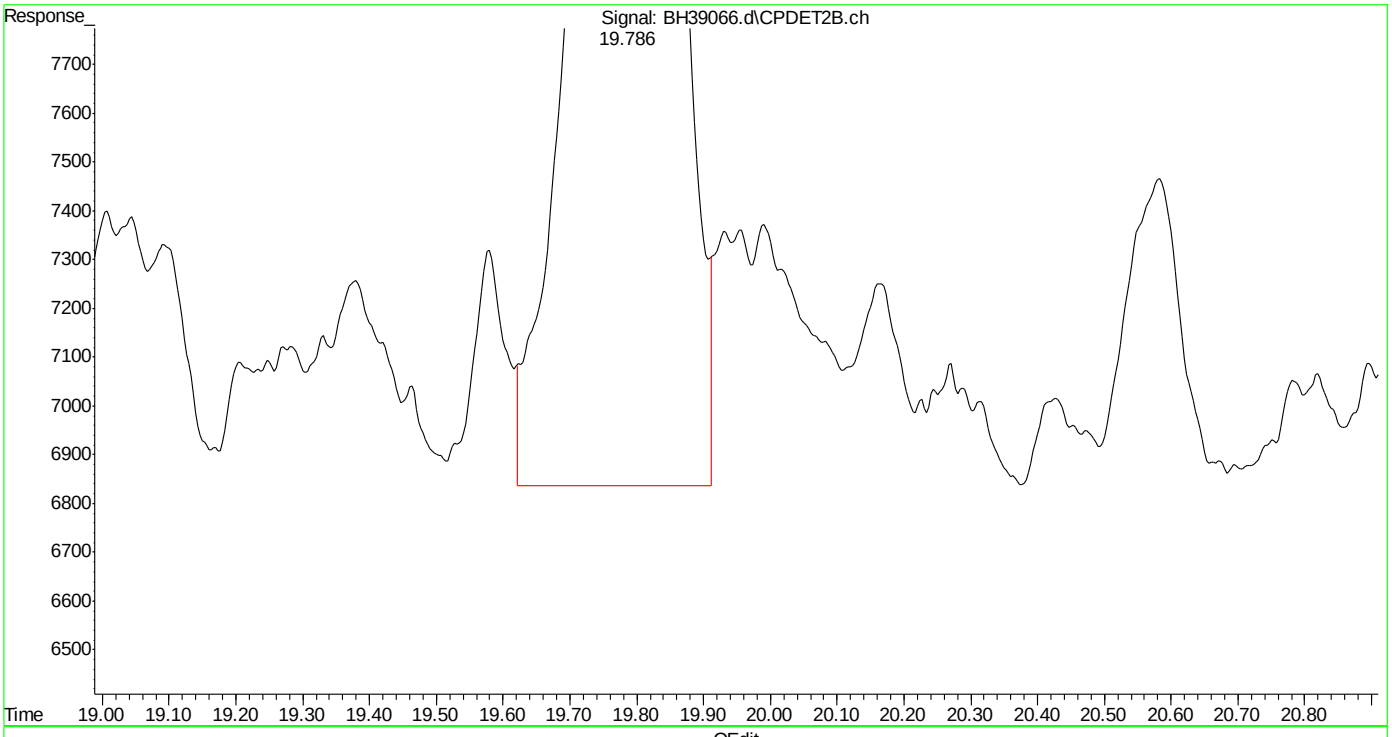
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:19 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.787min 2.312 ppb
response 574736

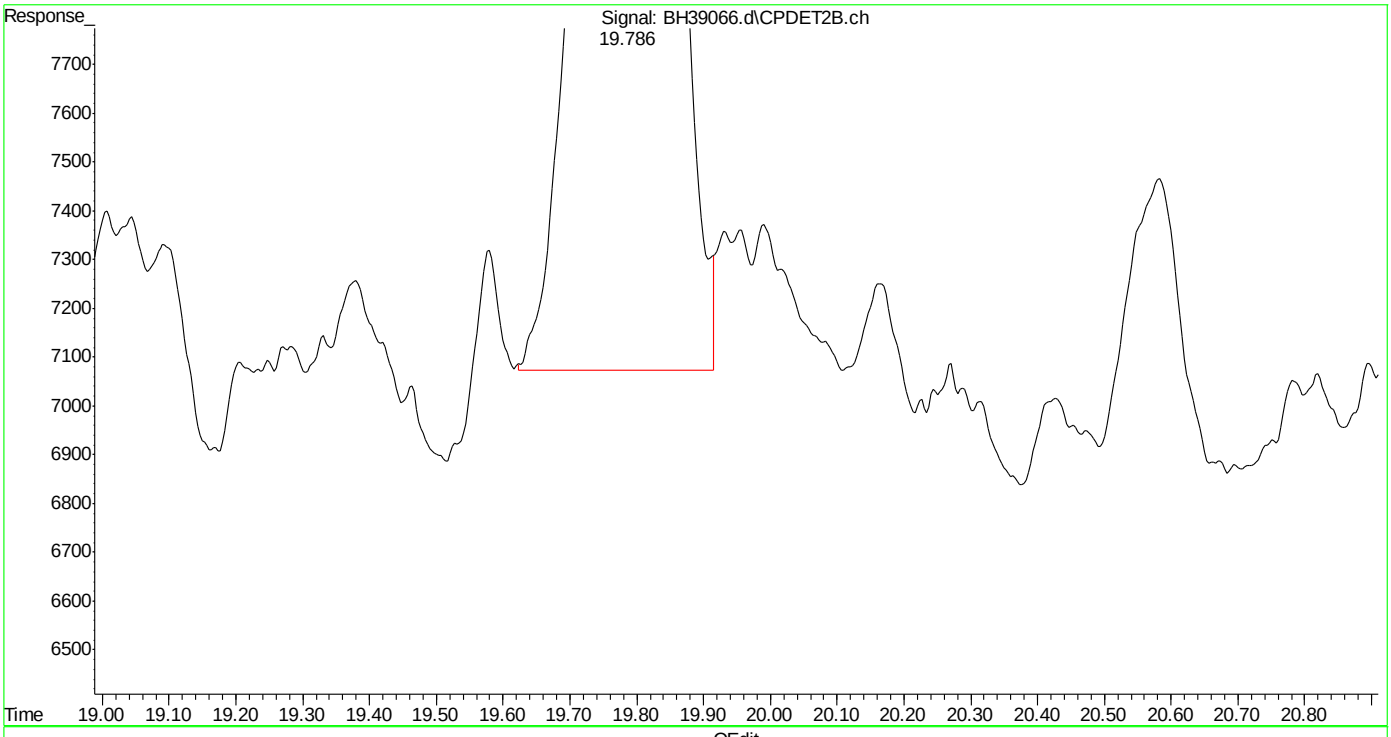
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:24 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 2.148 ppb m
response 534013

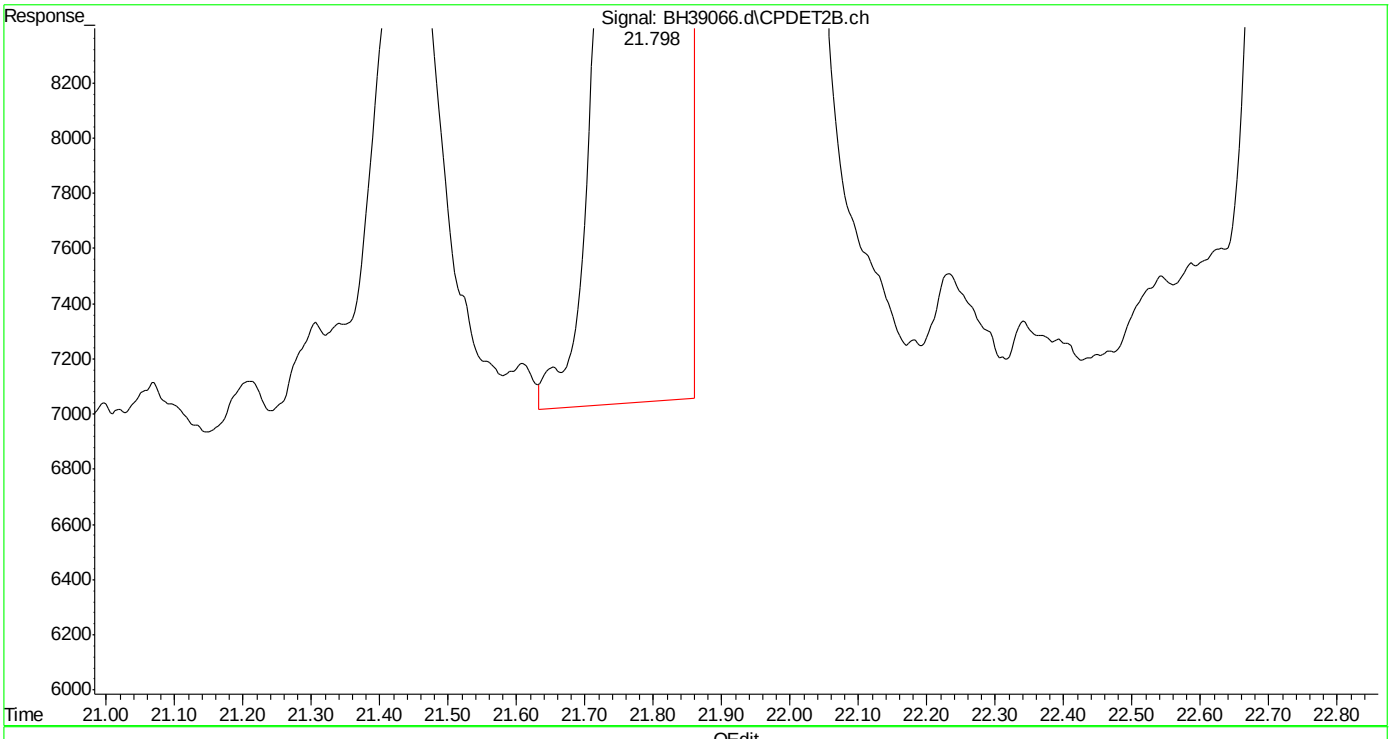
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:30 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.800min 2.085 ppb
response 1125341

(+) = Expected Retention Time

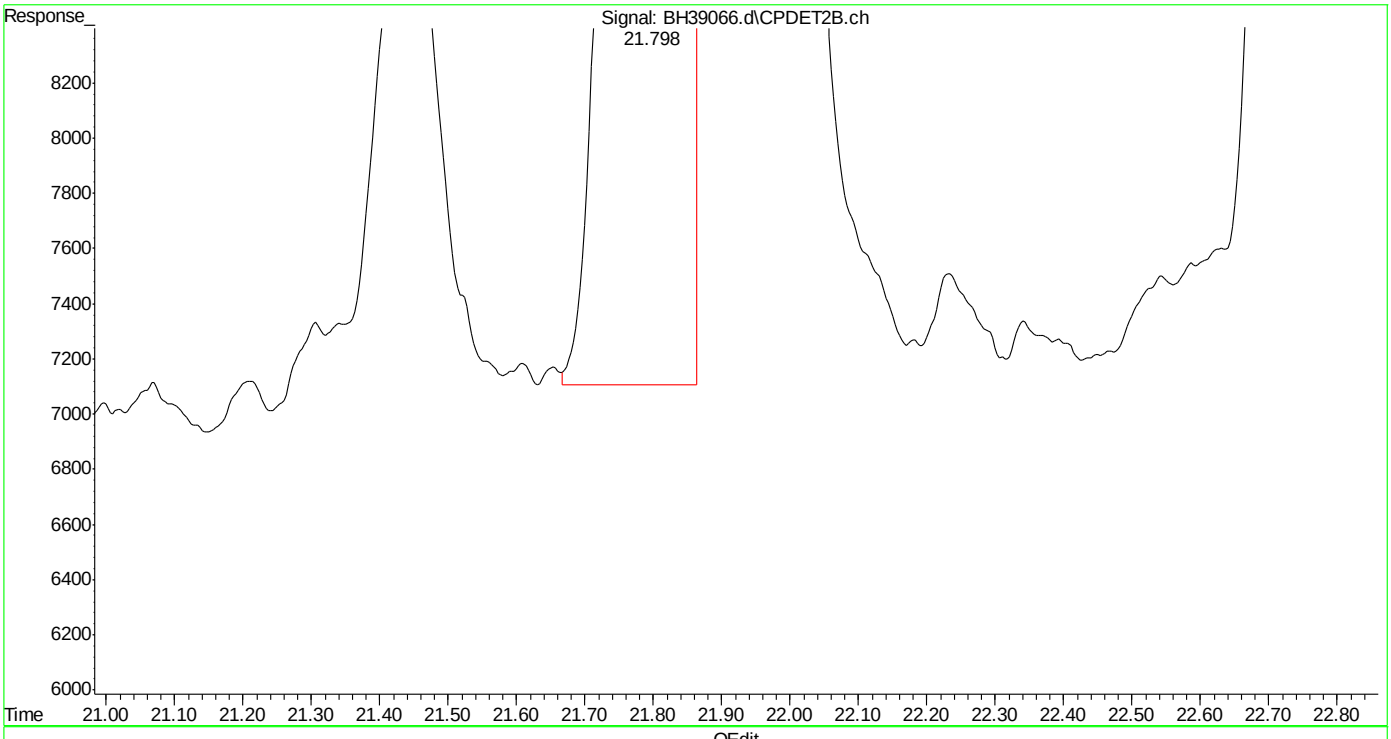
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.798min 2.086 ppb m
response 1125648

(+) = Expected Retention Time

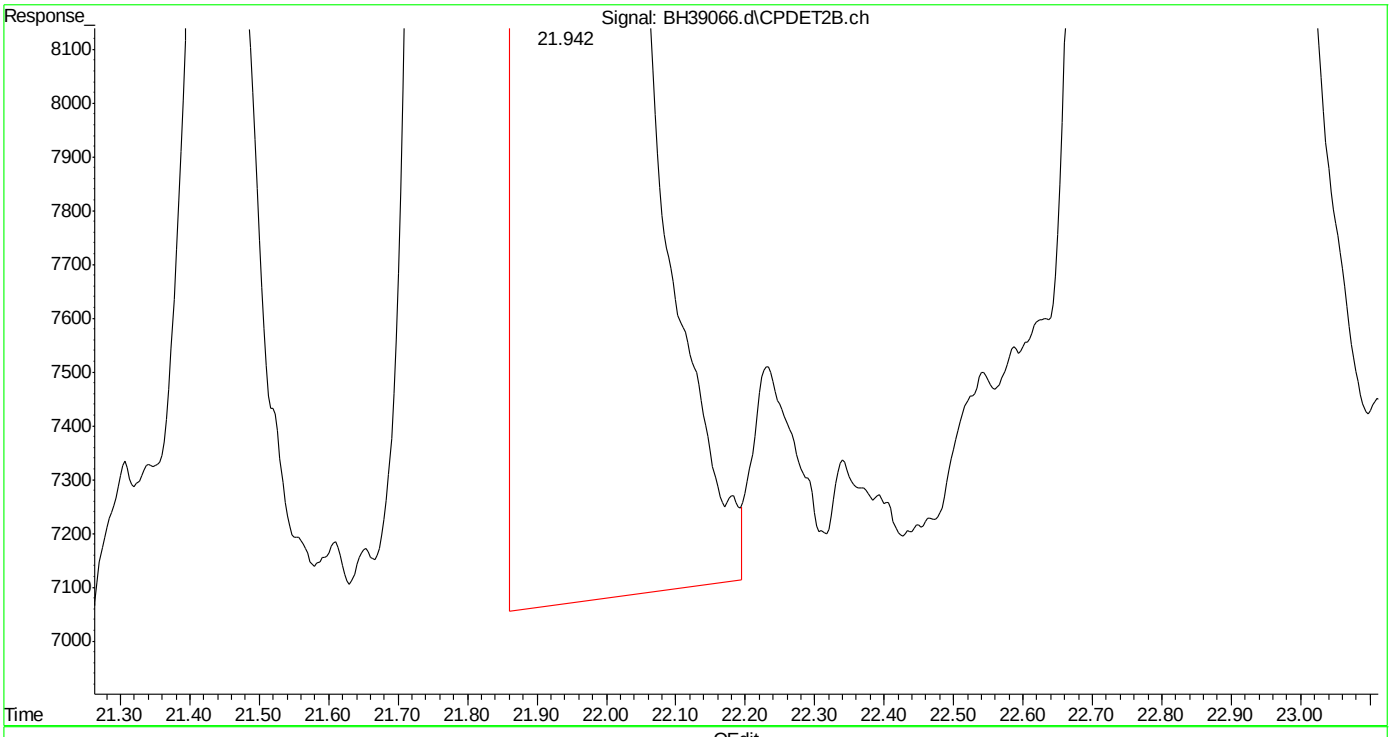
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 4.261 ppb
response 2842454

(+) = Expected Retention Time

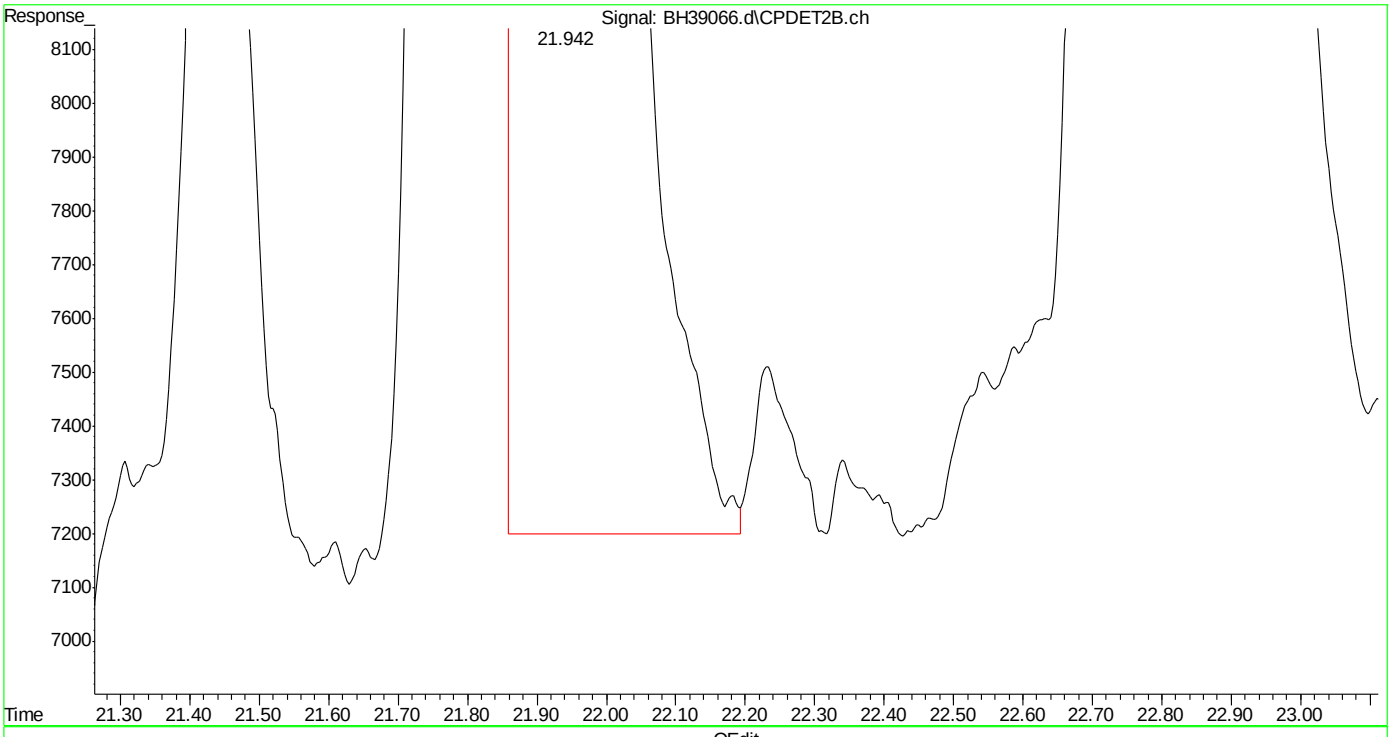
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.942min 4.231 ppb m
response 2822666

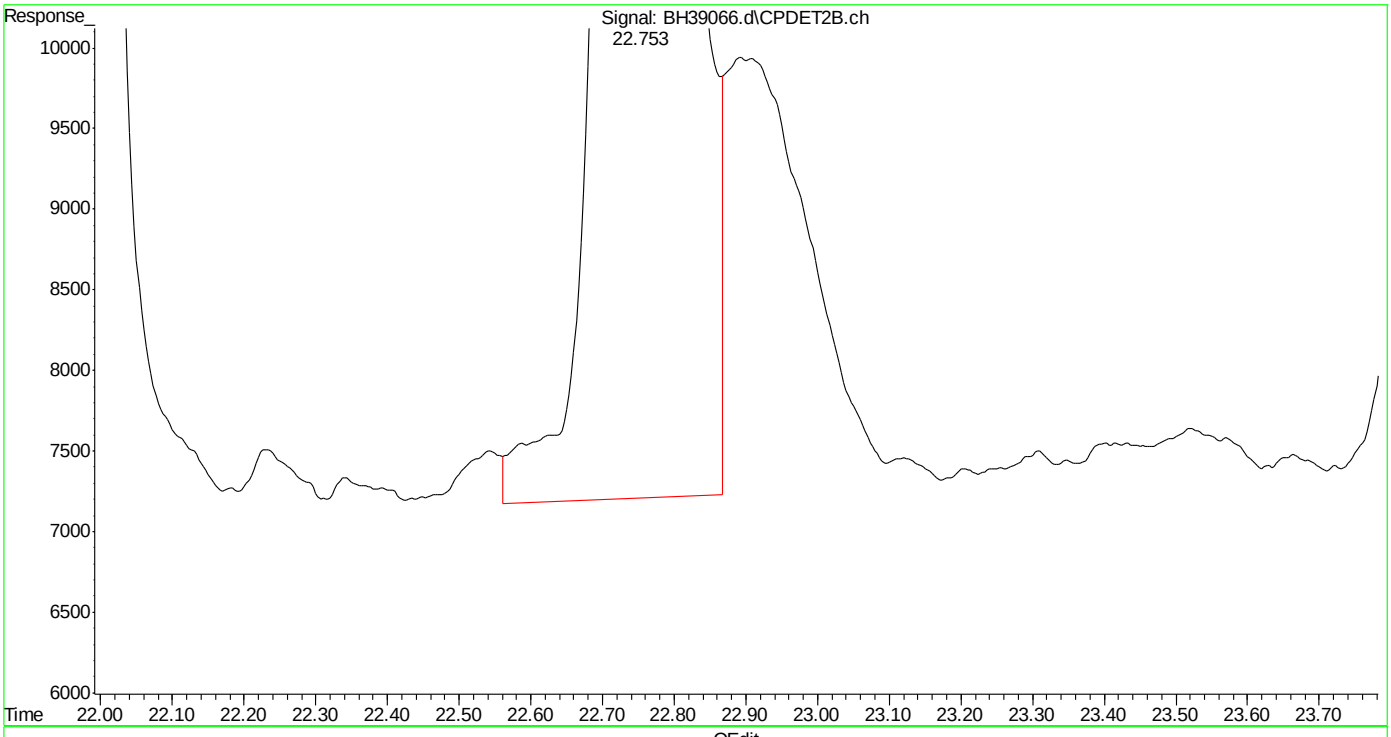
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:55 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 2.127 ppb
response 1238755

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:43:59 2016

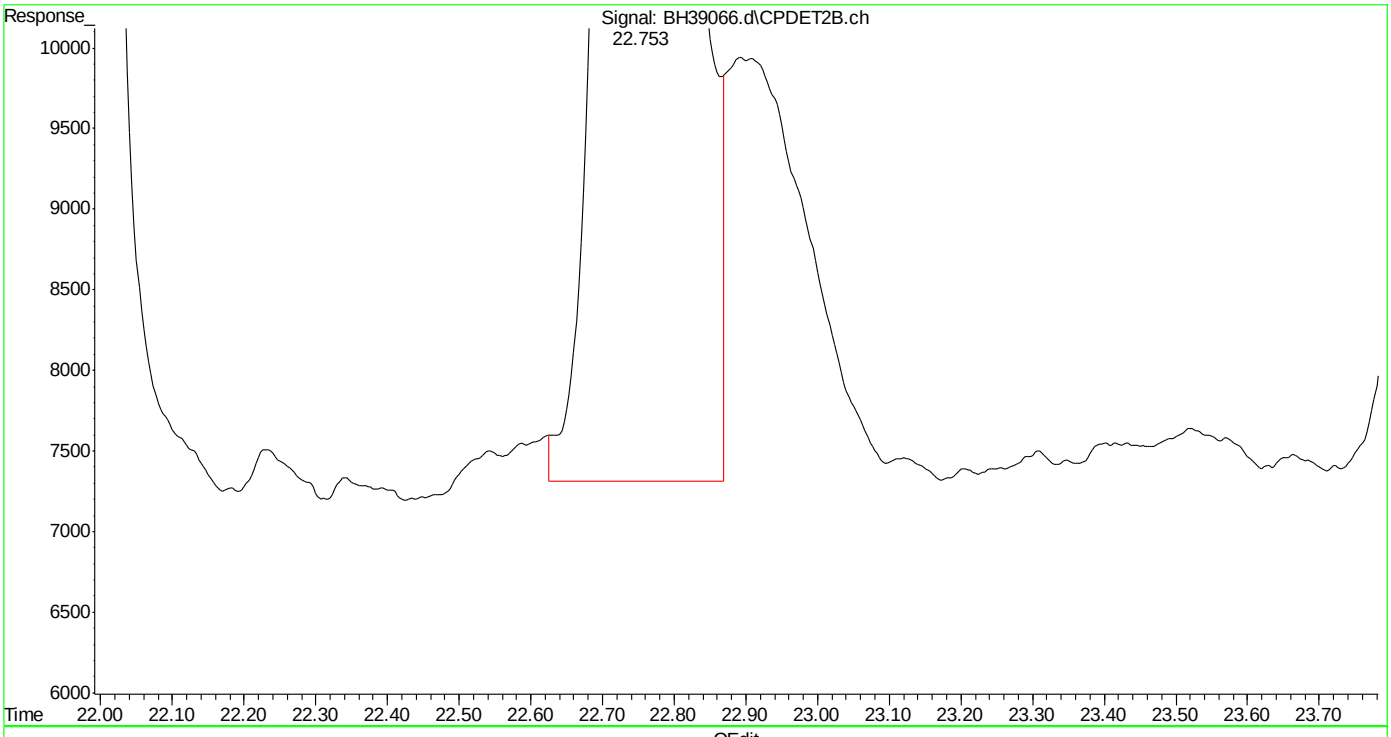
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.753min 2.083 ppb m
response 1213238

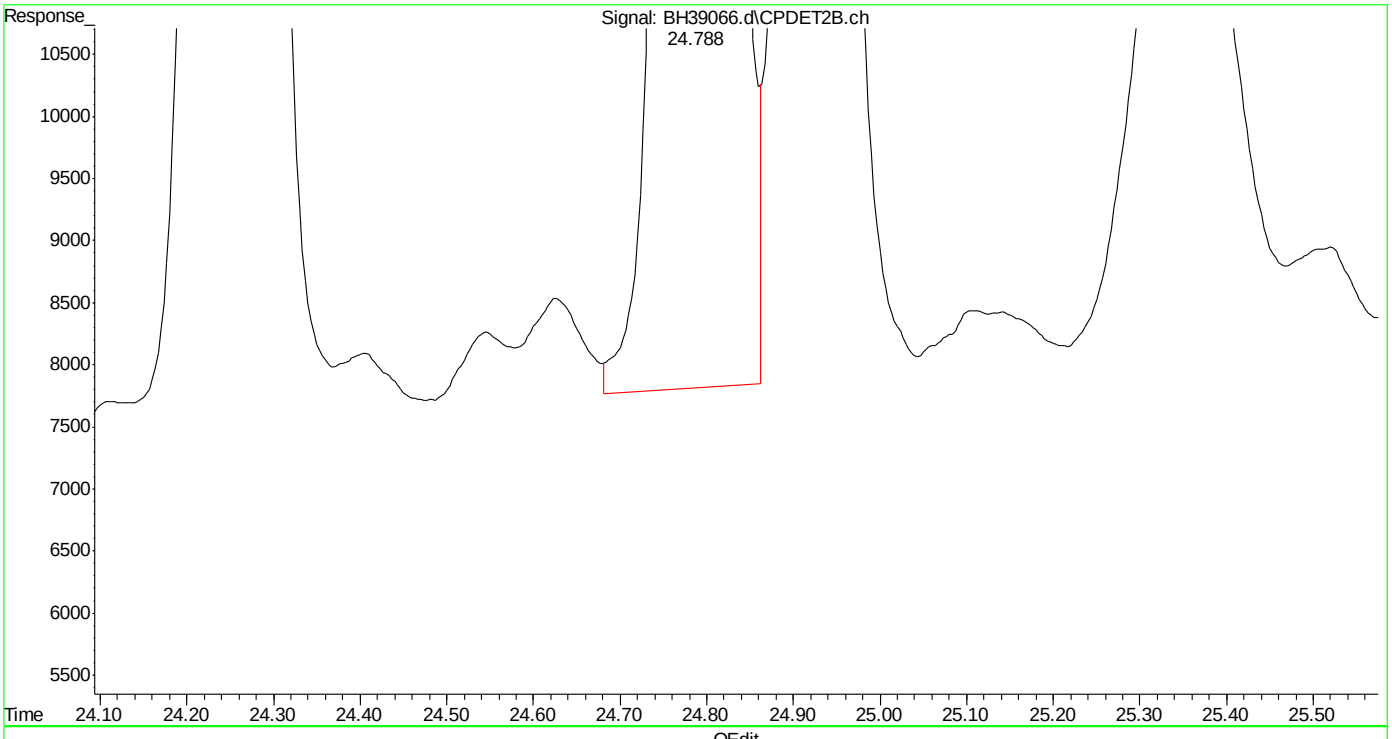
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:06 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 2.260 ppb
response 1440258

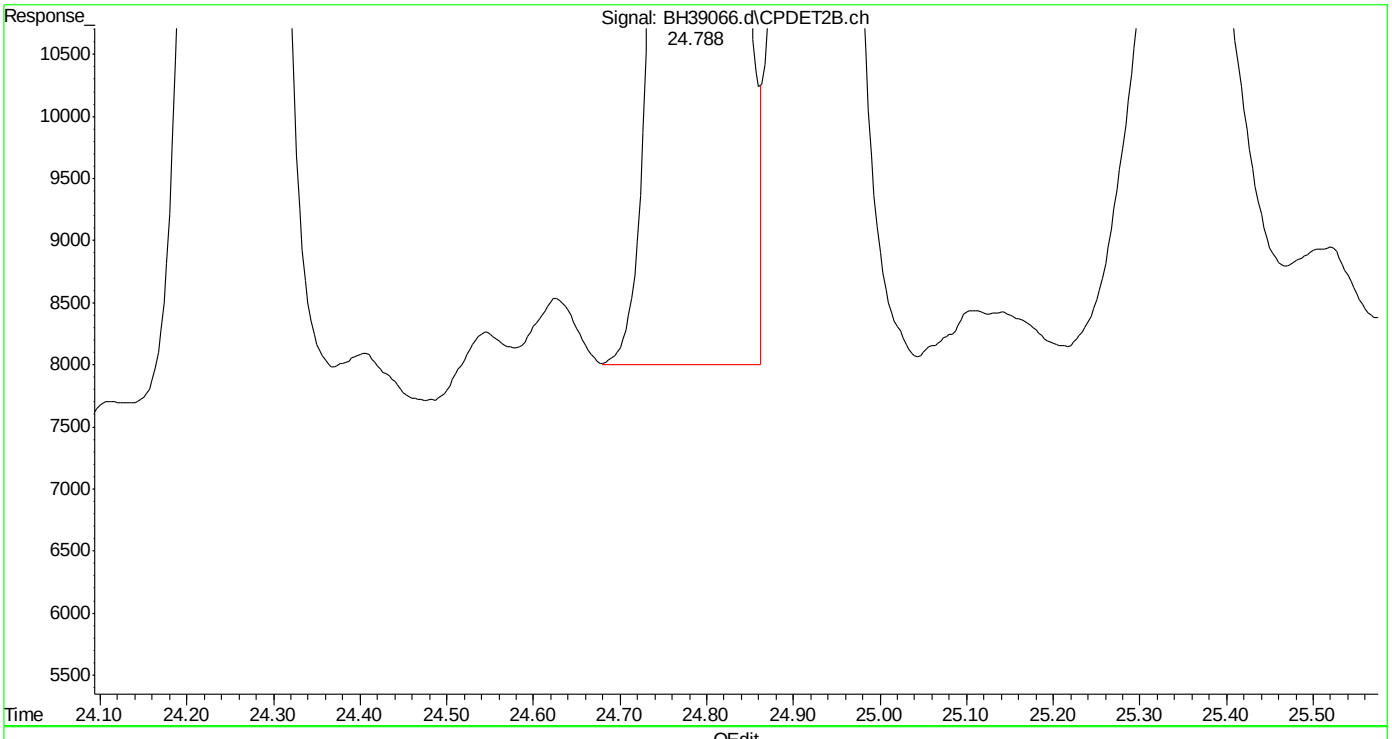
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:13 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.788min 2.228 ppb m
response 1420042

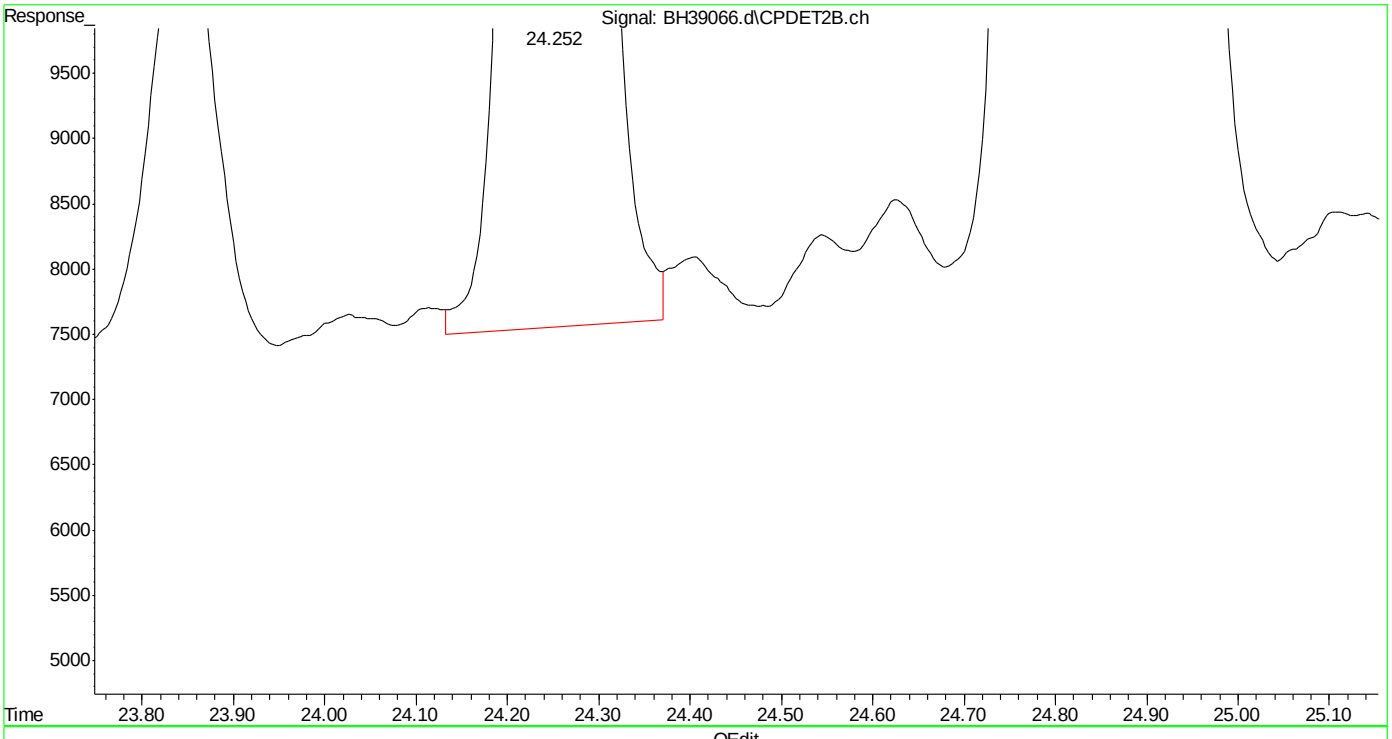
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:20 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.254min 2.198 ppb
response 1828743

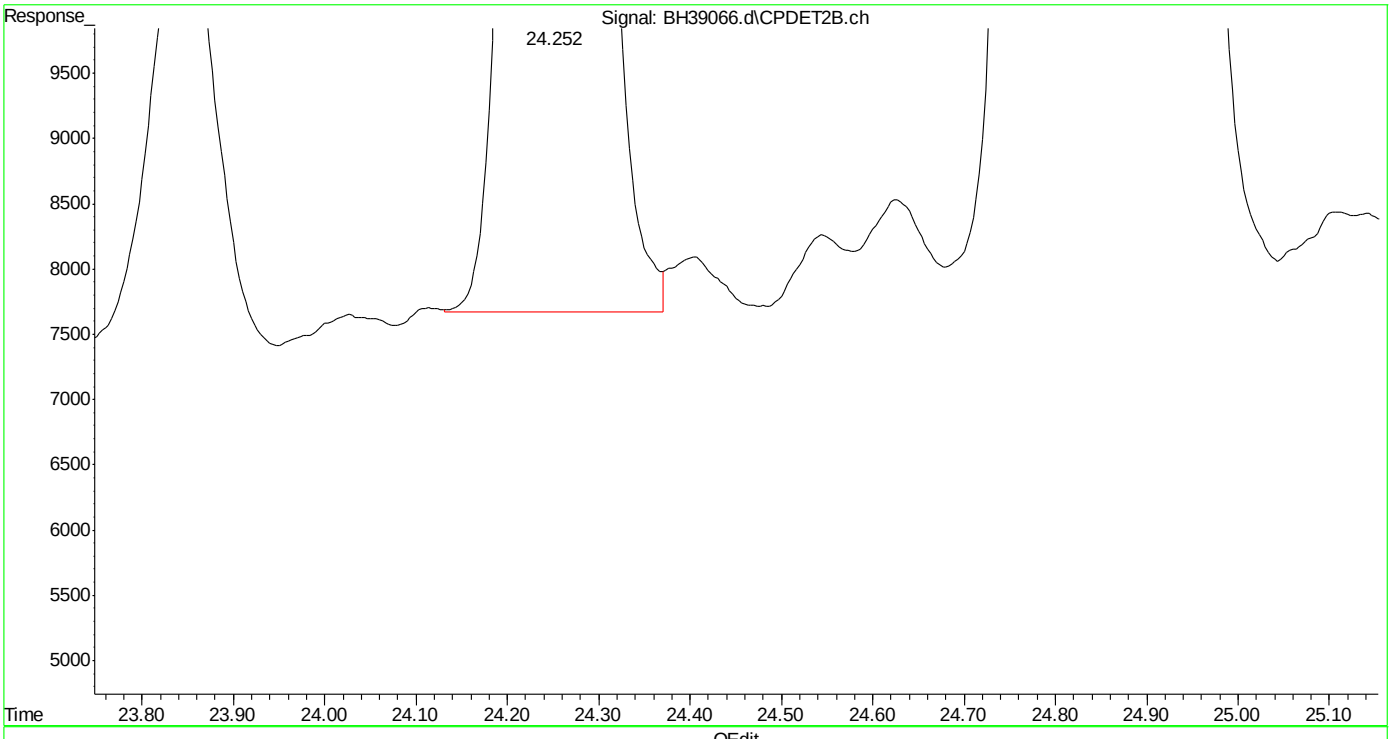
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.252min 2.177 ppb m
response 1811556

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:36 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(33) naphthalene #2 (t)
27.709min 2.368 ppb
response 1345591

(+) = Expected Retention Time

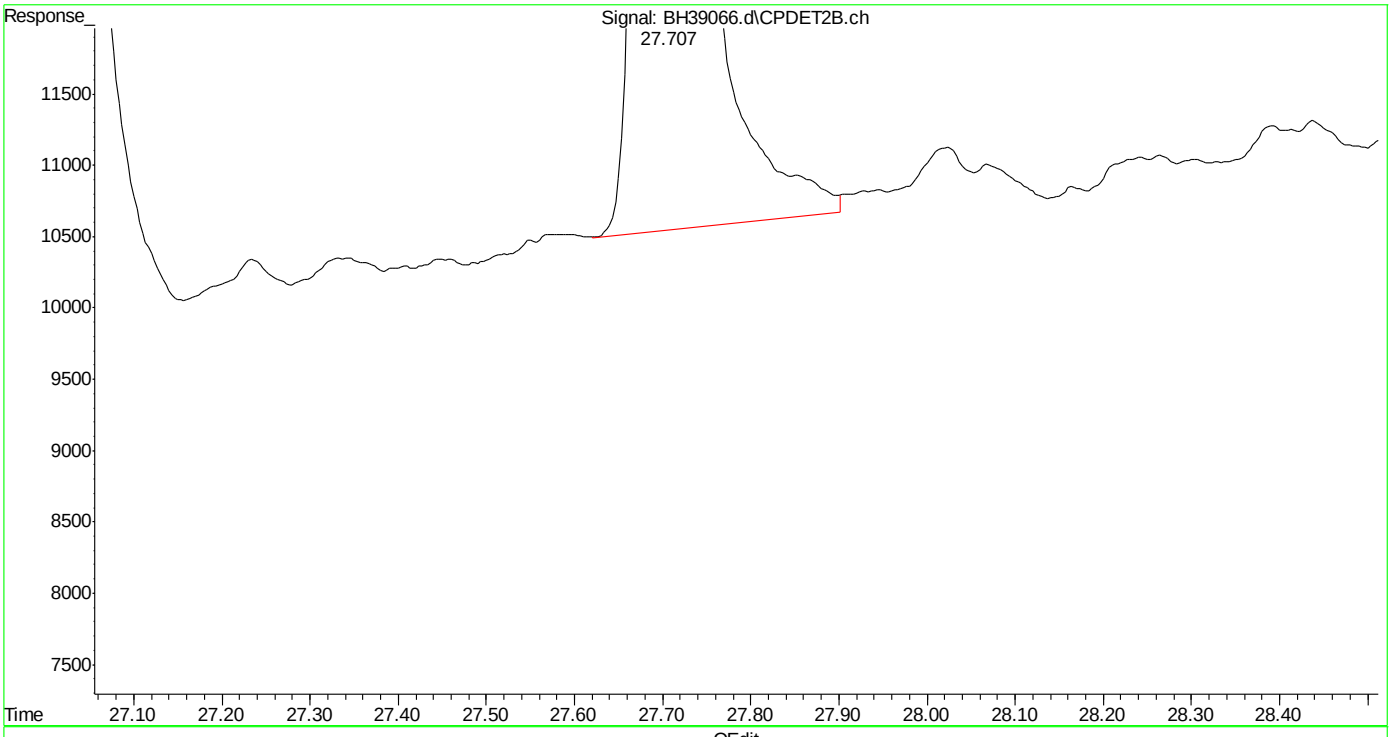
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39066.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:07 pm
Operator : danielf
Sample : ic2295-2
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 13:39:06 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:33:09 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 2.164 ppb m
response 1229604

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 13:44:50 2016 Page: 1

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:20:18 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
6) s fluorobenzene	14.672	924717	0.960	ppb	m
Spiked Amount 50.000		Recovery =	1.92%		
9) s 2,3,4-trifluorotoluene	19.787	934208	1.146	ppb	m
Spiked Amount 50.000		Recovery =	2.29%		
25) s fluorobenzene #2	14.673	405168	0.979	ppb	m
Spiked Amount 50.000		Recovery =	1.96%		
27) s 2,3,4-trifluorotoluen...	19.786	292316	1.154	ppb	m
Spiked Amount 50.000		Recovery =	2.31%		
Target Compounds					
1) h rt5.5-7	5.980	901428	0.965	ppb	m
2) h rt7/10	8.250	1048953	1.006	ppb	m
3) t mtbe	9.029	666326	1.060	ppb	m
4) h rt10/13	13.360	1531015	1.232	ppb	m
5) t benzene	14.168	1343339	1.108	ppb	m
8) t toluene	18.663	1334159	1.097	ppb	m
11) h rt20/25	21.460	1494365	1.315	ppb	m
13) t ethylbenzene	21.799	1273810	1.062	ppb	m
14) t m,p-xylene	21.941	2695605	2.142	ppb	m
15) t o-xylene	22.753	1402799	1.091	ppb	m
16) h decane	23.856	1587731	1.403	ppb	m
17) t 1,3,5-trimethylbenzene	24.252	1506800	1.110	ppb	m
18) t 1,2,4-trimethylbenzene	24.788	1617043	1.178	ppb	m
19) h butylcyclohexane	24.940	1587278	1.278	ppb	m
20) t naphthalene	27.707	982848	1.158	ppb	m
23) t mtbe #2	9.013	279735	0.968	ppb	m
24) t benzene #2	14.170	728697	1.094	ppb	m
26) t toluene #2	18.664	673731	1.086	ppb	m
28) t ethylbenzene #2	21.799	571223	1.047	ppb	m
29) t m,p-xylene #2	21.942	1414571	2.090	ppb	m
30) t o-xylene #2	22.755	626025	1.064	ppb	m
31) t 1,3,5-trimethylbenzen...	24.252	933232	1.097	ppb	m
32) t 1,2,4-trimethylbenzen...	24.788	747337	1.140	ppb	m
33) t naphthalene #2	27.707	650855	1.122	ppb	m
34) h c9-c10 arom as 1,2,4-tmb	24.800	748012	1.141	ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
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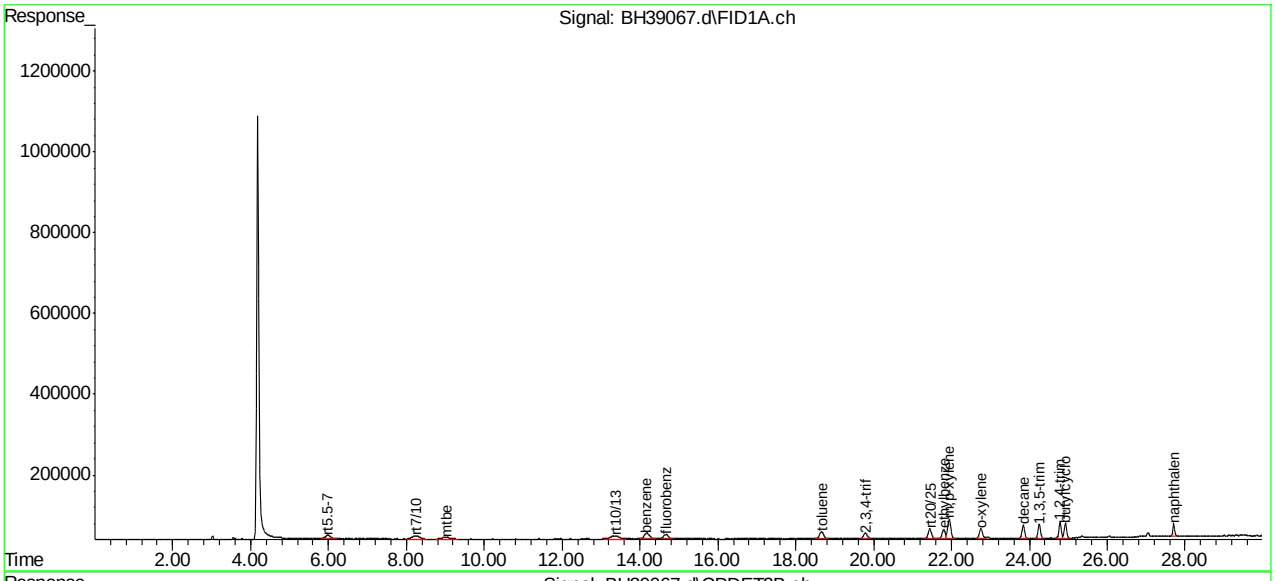
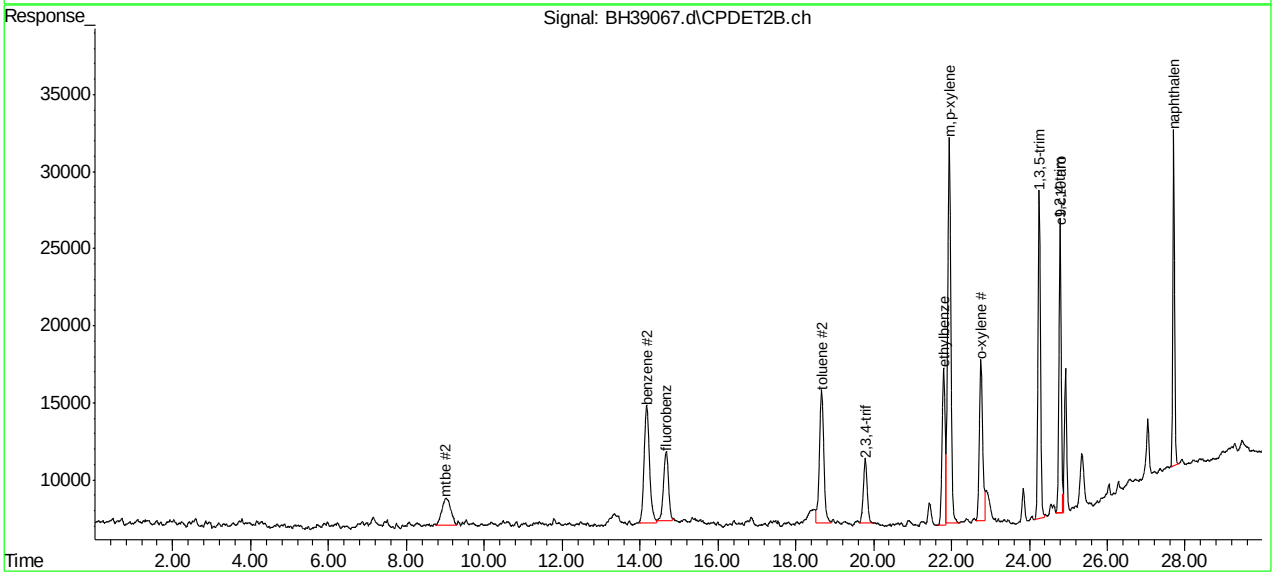
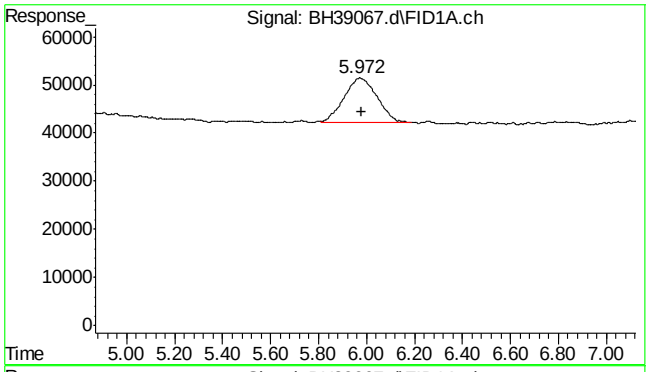
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:20:18 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

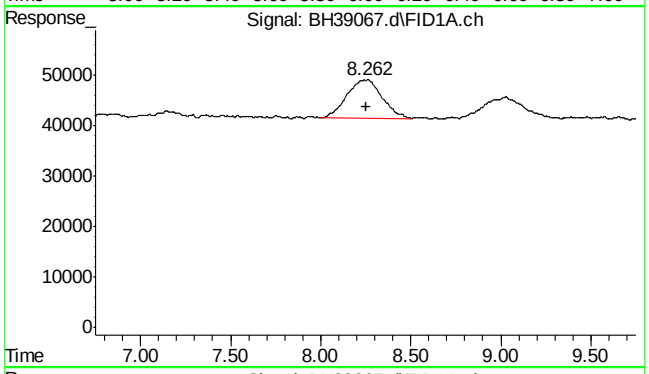






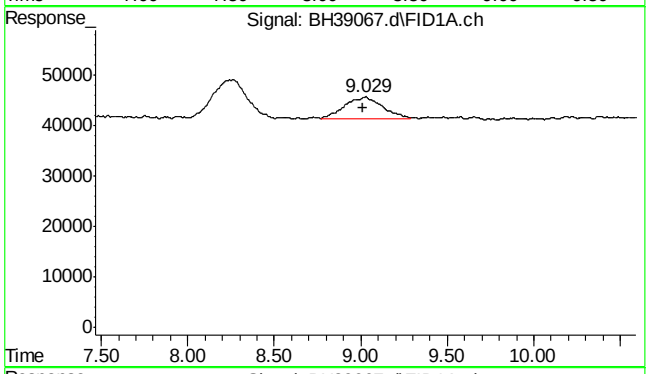
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 901428
Conc: 0.96 ppb m



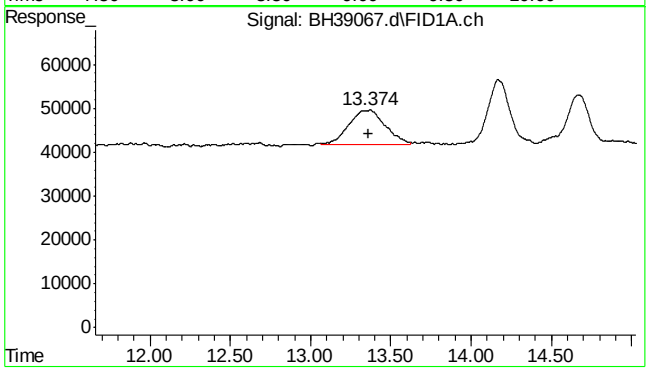
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 1048953
Conc: 1.01 ppb m



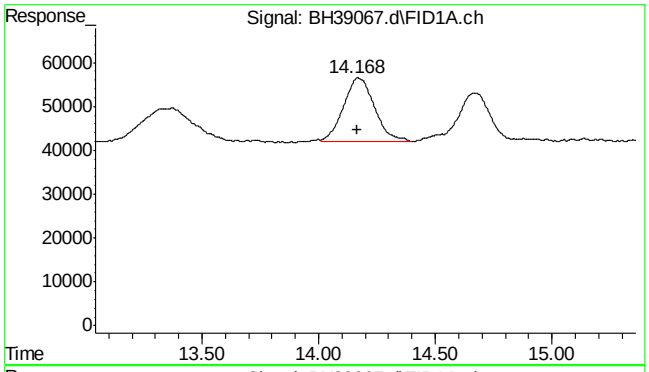
#3 mtbe

R.T.: 9.029 min
Delta R.T.: 0.016 min
Response: 666326
Conc: 1.06 ppb m



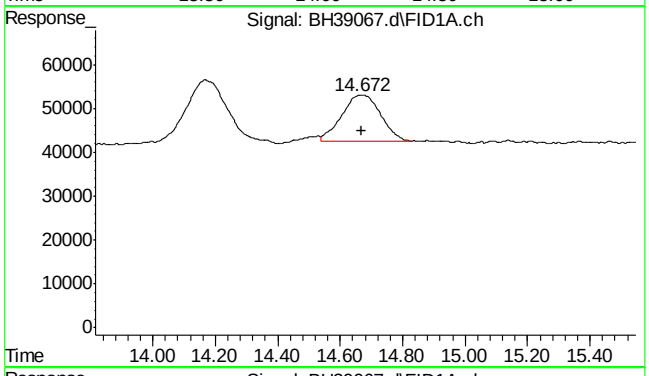
#4 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 1531015
Conc: 1.23 ppb m



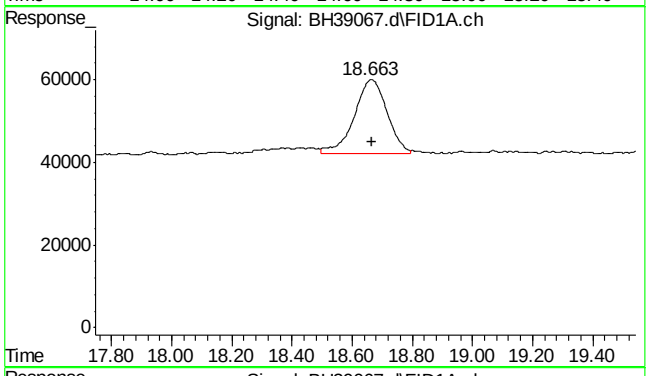
#5 benzene

R.T.: 14.168 min
Delta R.T.: 0.002 min
Response: 1343339
Conc: 1.11 ppb m



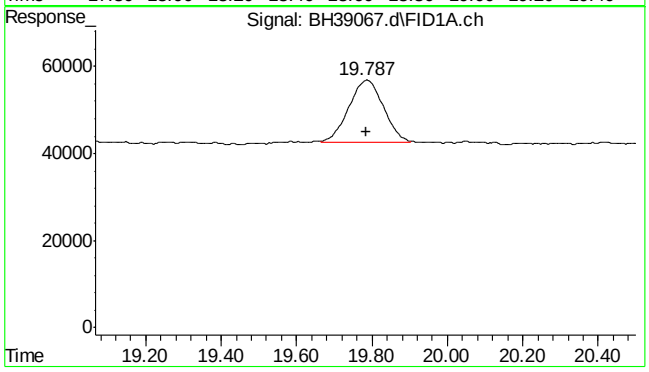
#6 fluorobenzene

R.T.: 14.672 min
Delta R.T.: 0.003 min
Response: 924717
Conc: 0.96 ppb m



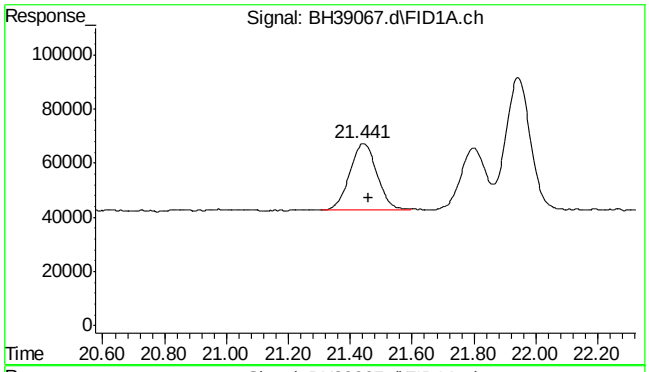
#8 toluene

R.T.: 18.663 min
Delta R.T.: -0.001 min
Response: 1334159
Conc: 1.10 ppb m



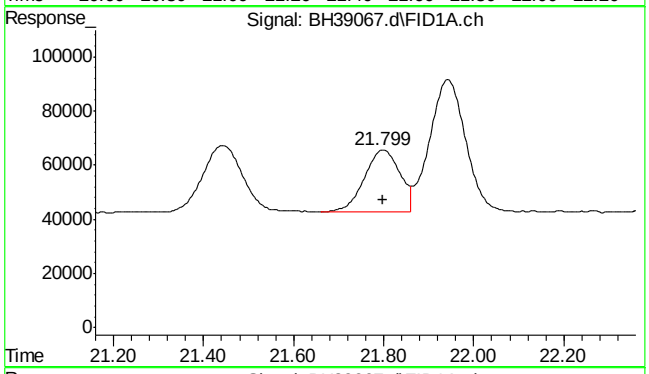
#9 2,3,4-trifluorotoluene

R.T.: 19.787 min
Delta R.T.: 0.003 min
Response: 934208
Conc: 1.15 ppb m



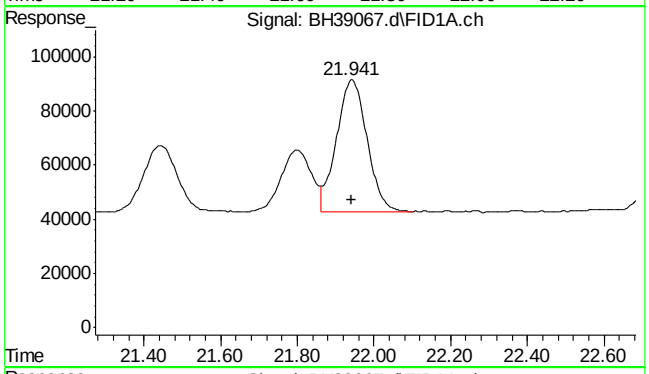
#11 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 1494365
Conc: 1.32 ppb m



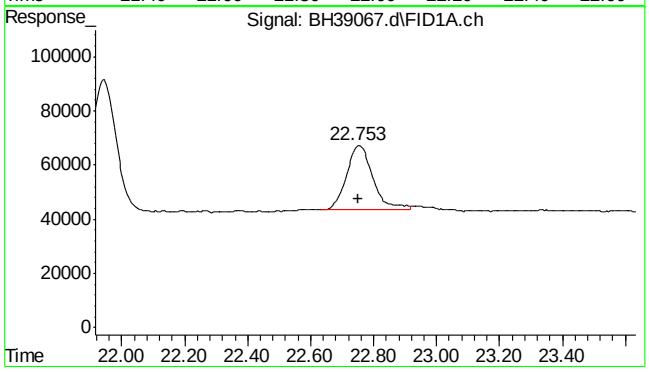
#13 ethylbenzene

R.T.: 21.799 min
Delta R.T.: 0.001 min
Response: 1273810
Conc: 1.06 ppb m



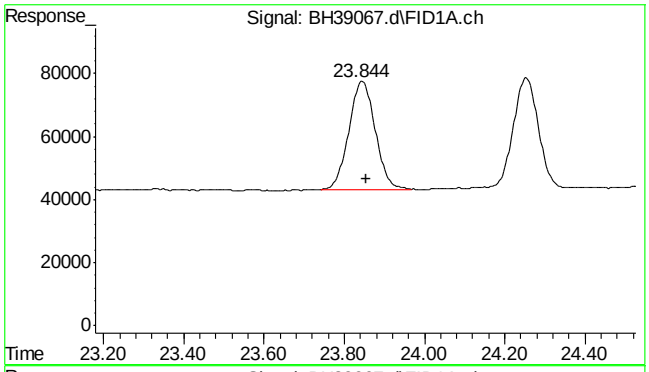
#14 m,p-xylene

R.T.: 21.941 min
Delta R.T.: 0.000 min
Response: 2695605
Conc: 2.14 ppb m



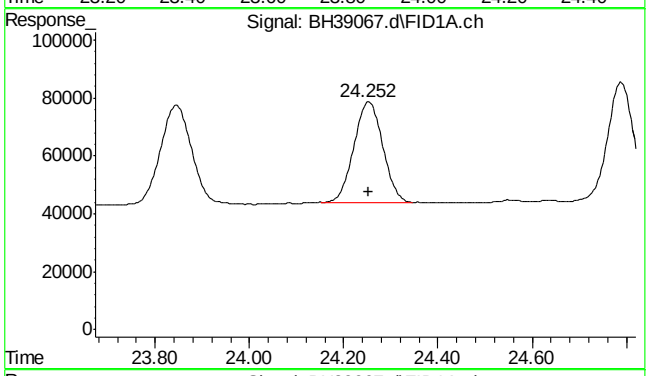
#15 o-xylene

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 1402799
Conc: 1.09 ppb m



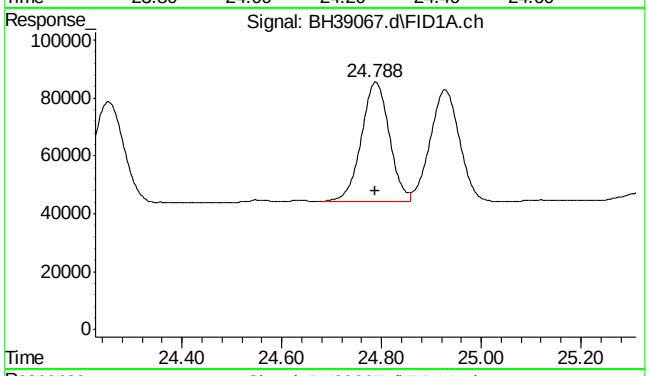
#16 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 1587731
Conc: 1.40 ppb m



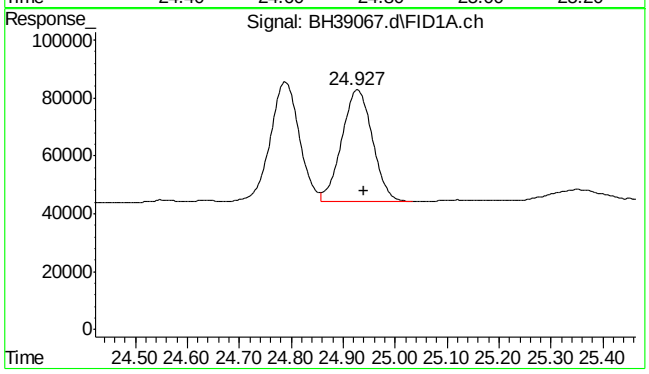
#17 1,3,5-trimethylbenzene

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 1506800
Conc: 1.11 ppb m



#18 1,2,4-trimethylbenzene

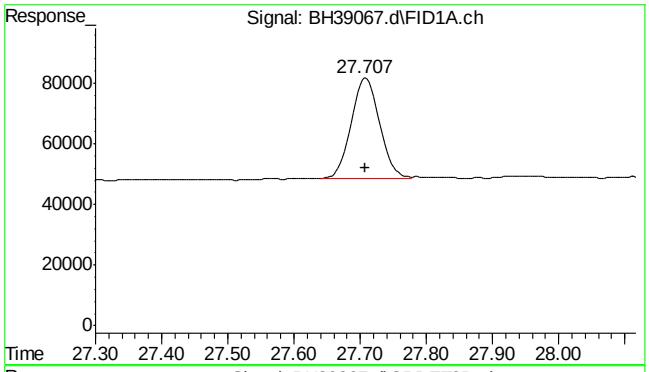
R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 1617043
Conc: 1.18 ppb m



#19 butylcyclohexane

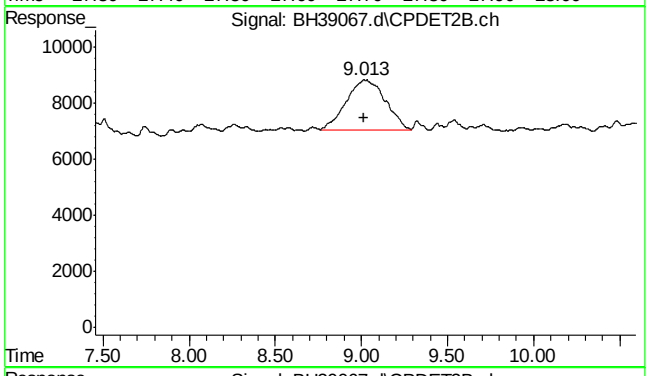
R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 1587278
Conc: 1.28 ppb m

SGS ACCUTEST MC45857



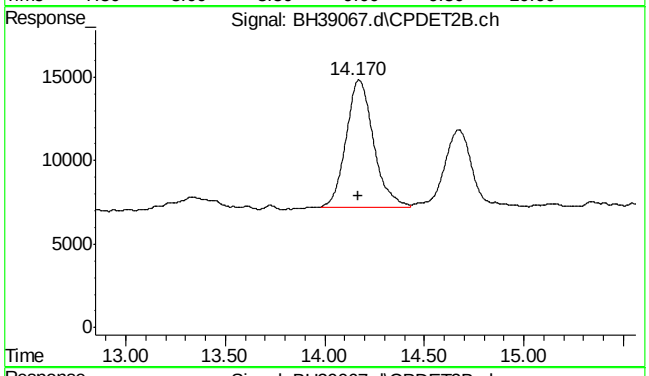
#20 naphthalene

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 982848
Conc: 1.16 ppb m



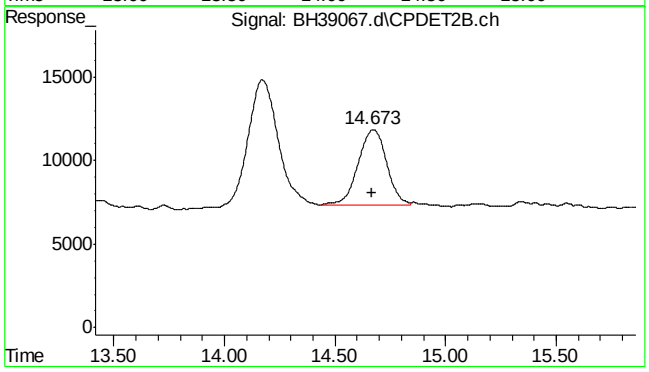
#23 mtbe #2

R.T.: 9.013 min
Delta R.T.: 0.000 min
Response: 279735
Conc: 0.97 ppb m



#24 benzene #2

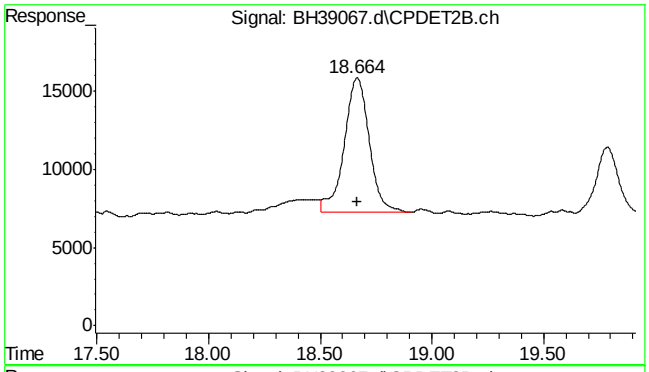
R.T.: 14.170 min
Delta R.T.: 0.004 min
Response: 728697
Conc: 1.09 ppb m



#25 fluorobenzene #2

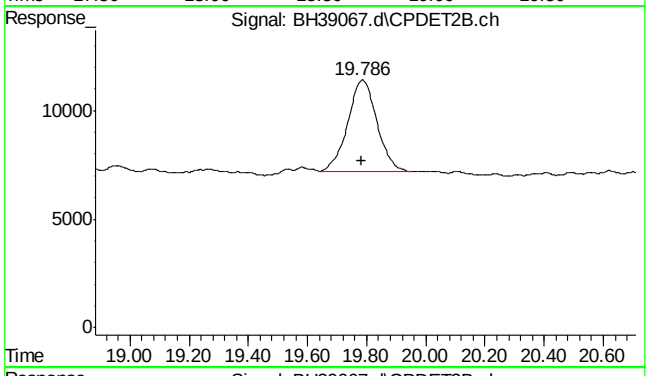
R.T.: 14.673 min
Delta R.T.: 0.005 min
Response: 405168
Conc: 0.98 ppb m

SGS ACCUTEST MC45857



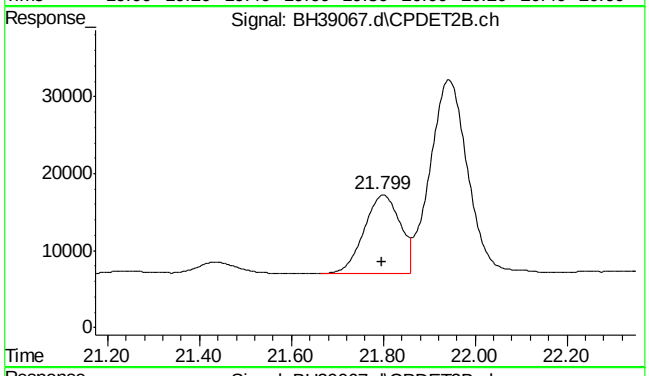
#26 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 673731
Conc: 1.09 ppb m



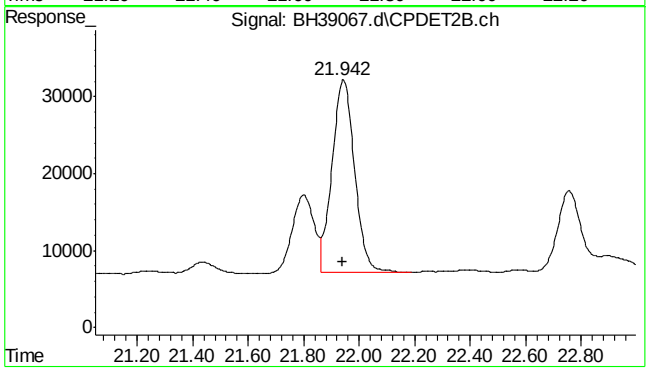
#27 2,3,4-trifluorotoluene #2

R.T.: 19.786 min
Delta R.T.: 0.002 min
Response: 292316
Conc: 1.15 ppb m



#28 ethylbenzene #2

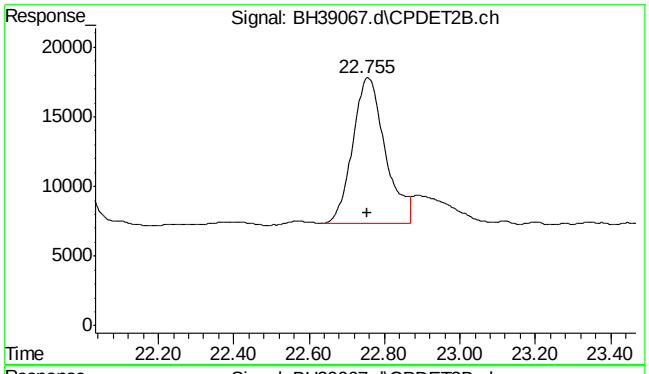
R.T.: 21.799 min
Delta R.T.: 0.002 min
Response: 571223
Conc: 1.05 ppb m



#29 m,p-xylene #2

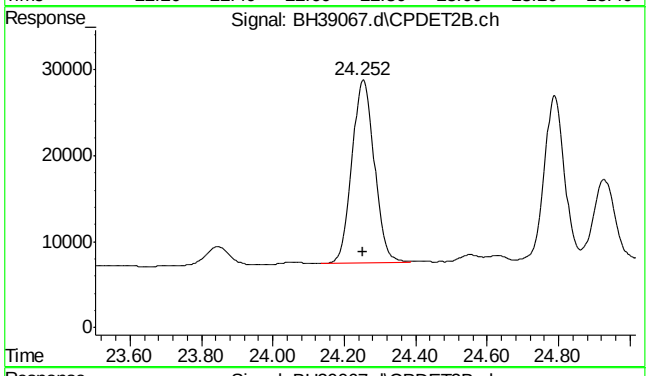
R.T.: 21.942 min
Delta R.T.: 0.001 min
Response: 1414571
Conc: 2.09 ppb m

SGS ACCUTEST MC45857



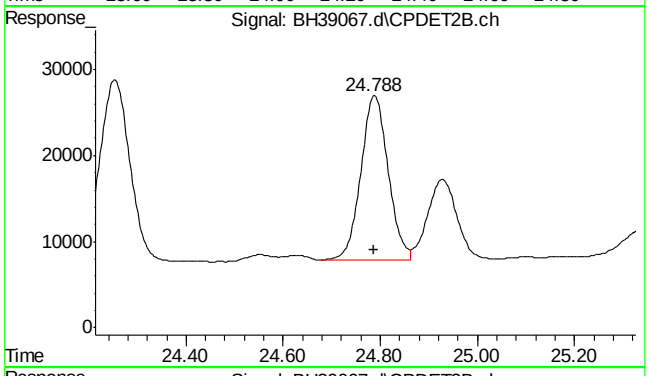
#30 o-xylene #2

R.T.: 22.755 min
Delta R.T.: 0.002 min
Response: 626025
Conc: 1.06 ppb m



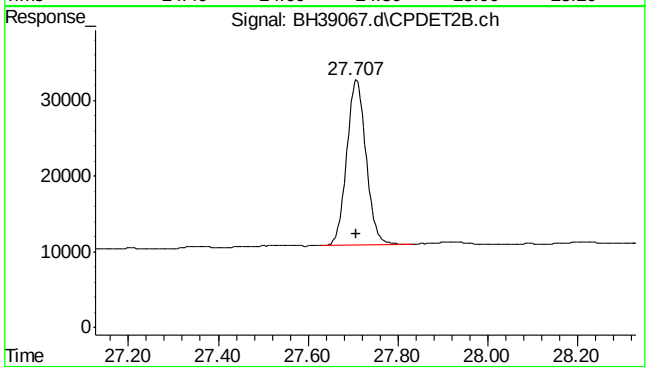
#31 1,3,5-trimethylbenzene #2

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 933232
Conc: 1.10 ppb m



#32 1,2,4-trimethylbenzene #2

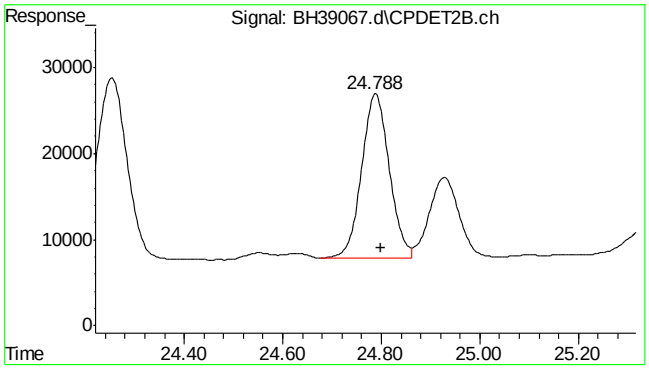
R.T.: 24.788 min
Delta R.T.: 0.000 min
Response: 747337
Conc: 1.14 ppb m



#33 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.000 min
Response: 650855
Conc: 1.12 ppb m

SGS ACCUTEST MC45857



#34 c9-c10 arom as 1,2,4-tmb

R.T.:	24.800 min
Delta R.T.:	0.000 min
Response:	748012
Conc:	1.14 ppb m

7.5.9

7

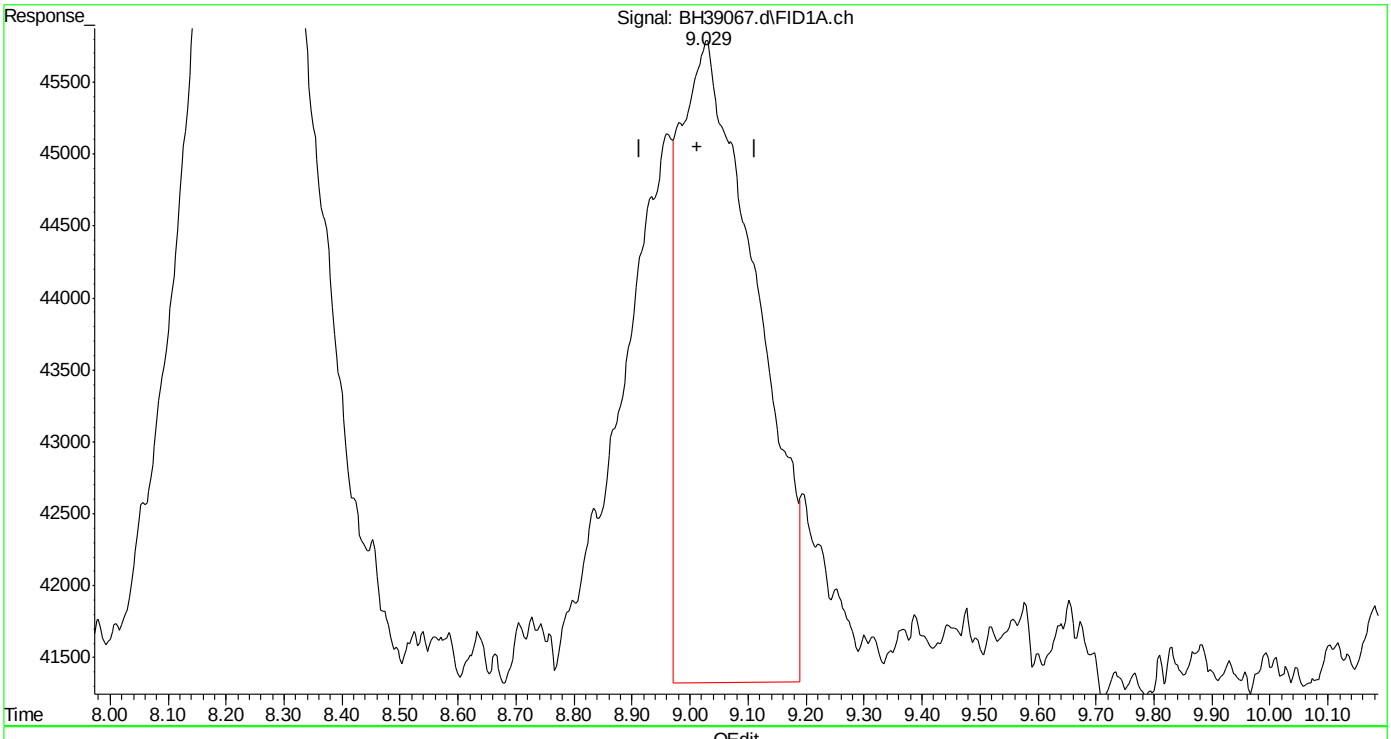
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.030min 0.659 ppb
response 414186

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:13:14 2016 Page: 1

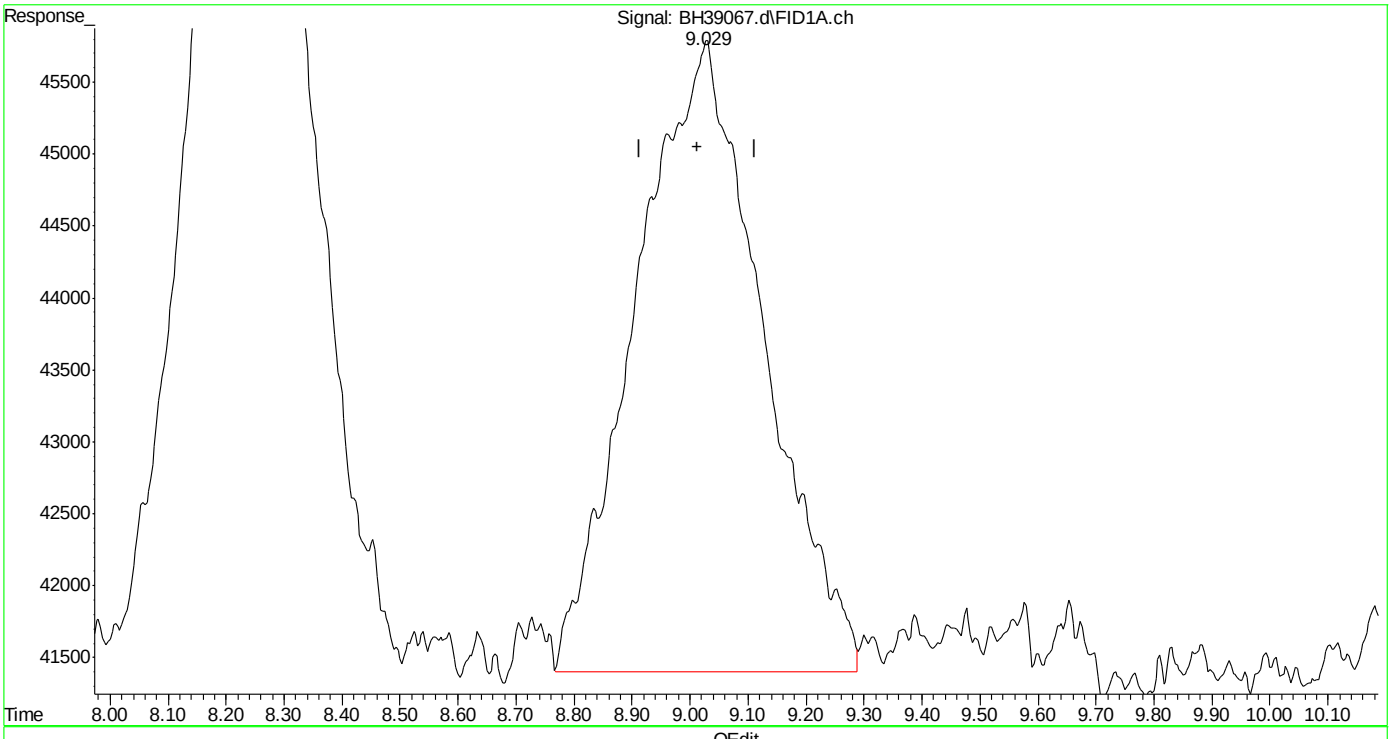
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(3) mtbe (t)
9.029min 1.060 ppb m
response 666326

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:13:25 2016

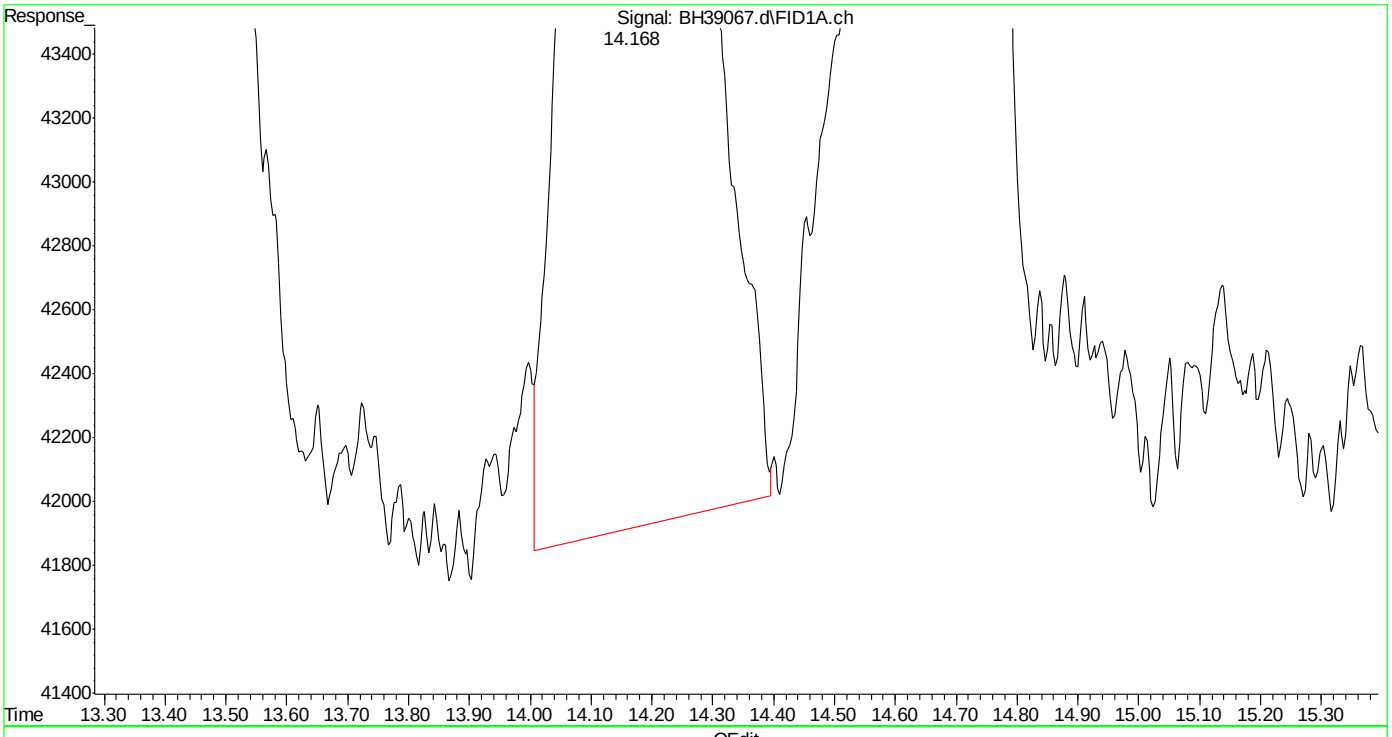
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.169min 1.125 ppb
response 1362981

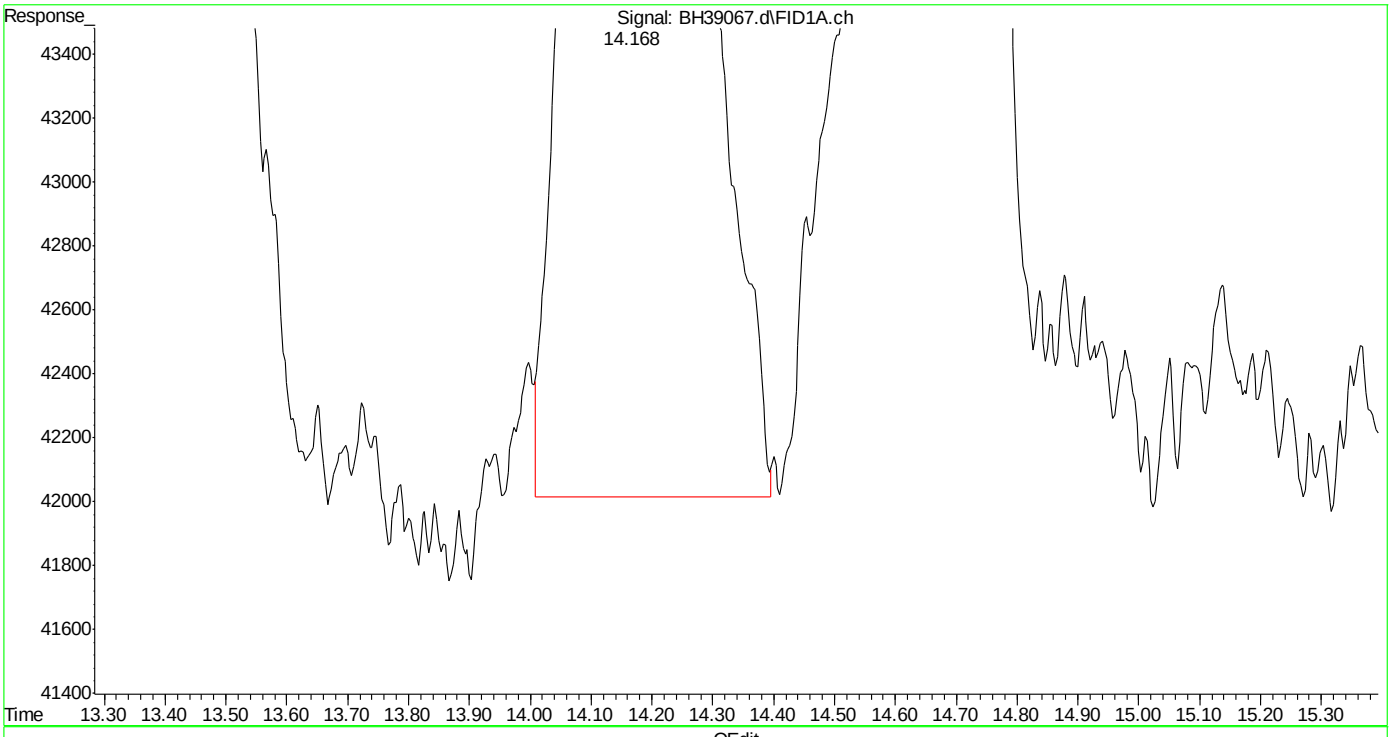
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(5) benzene (t)
14.168min 1.108 ppb m
response 1343339

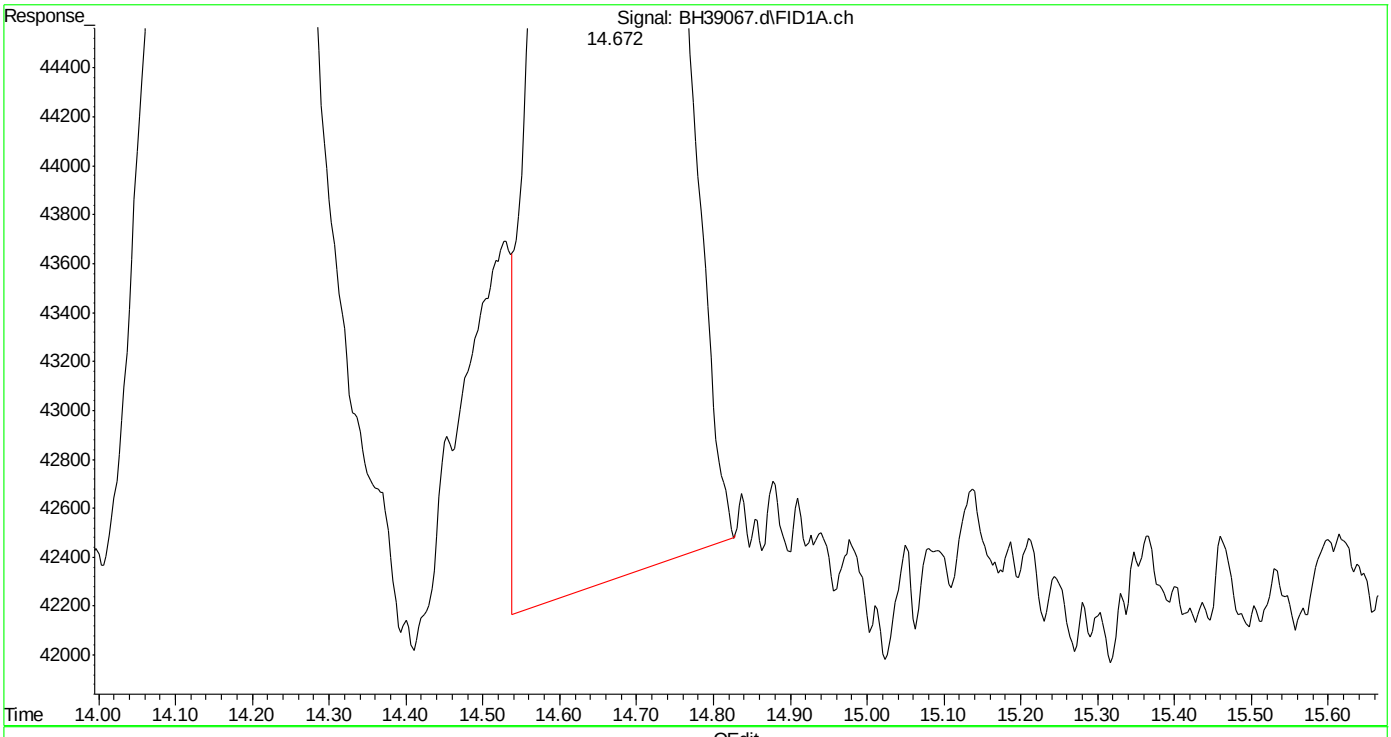
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.673min 0.982 ppb
response 945765

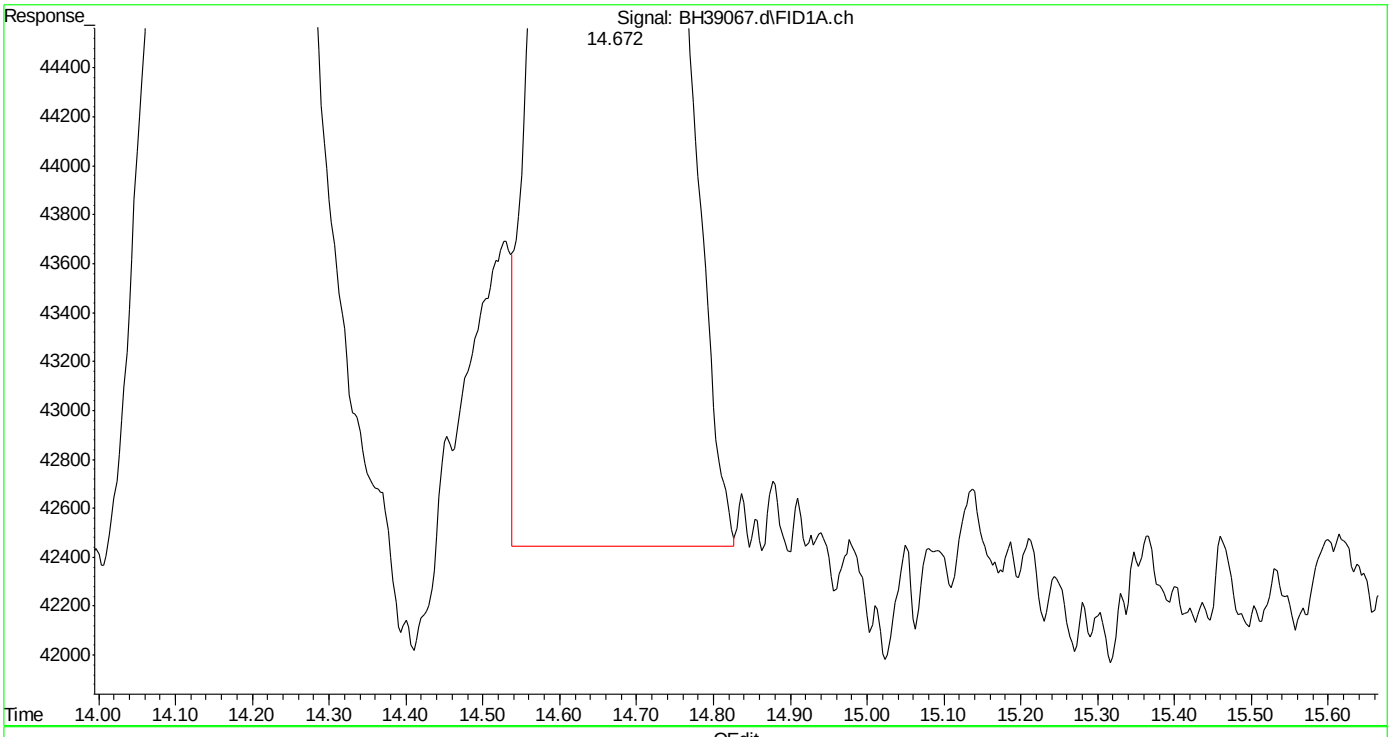
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:14:22 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) fluorobenzene (s)
14.672min 0.960 ppb m
response 924717

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:14:29 2016

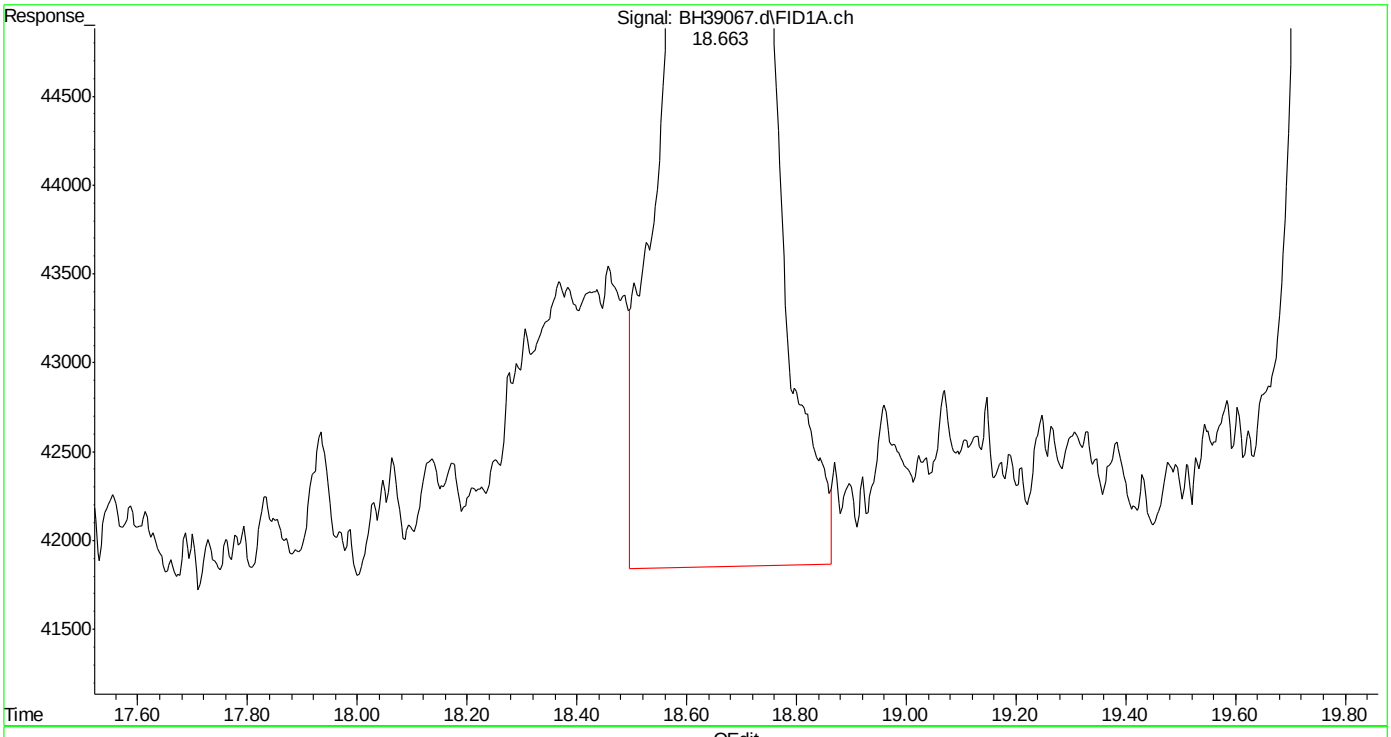
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.664min 1.183 ppb
response 1439351

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:14:36 2016

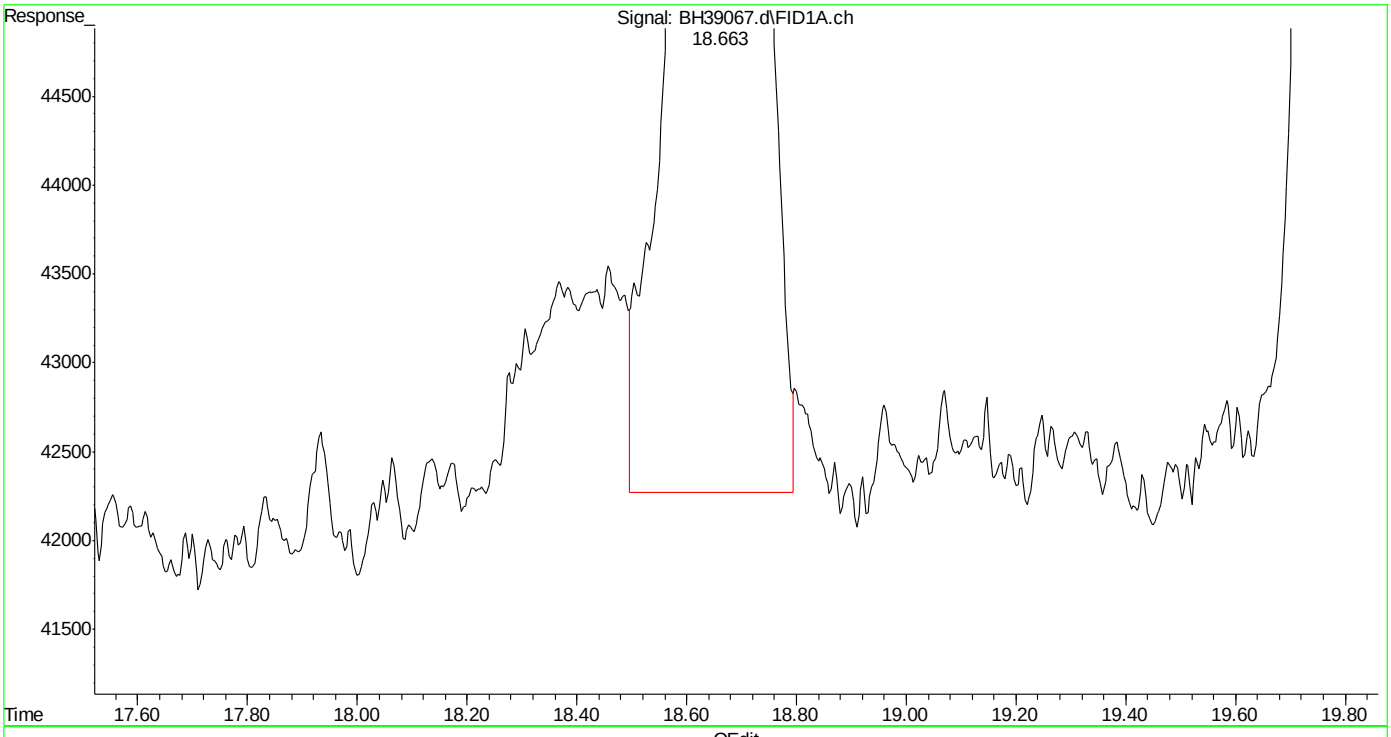
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(8) toluene (t)
18.663min 1.097 ppb m
response 1334159

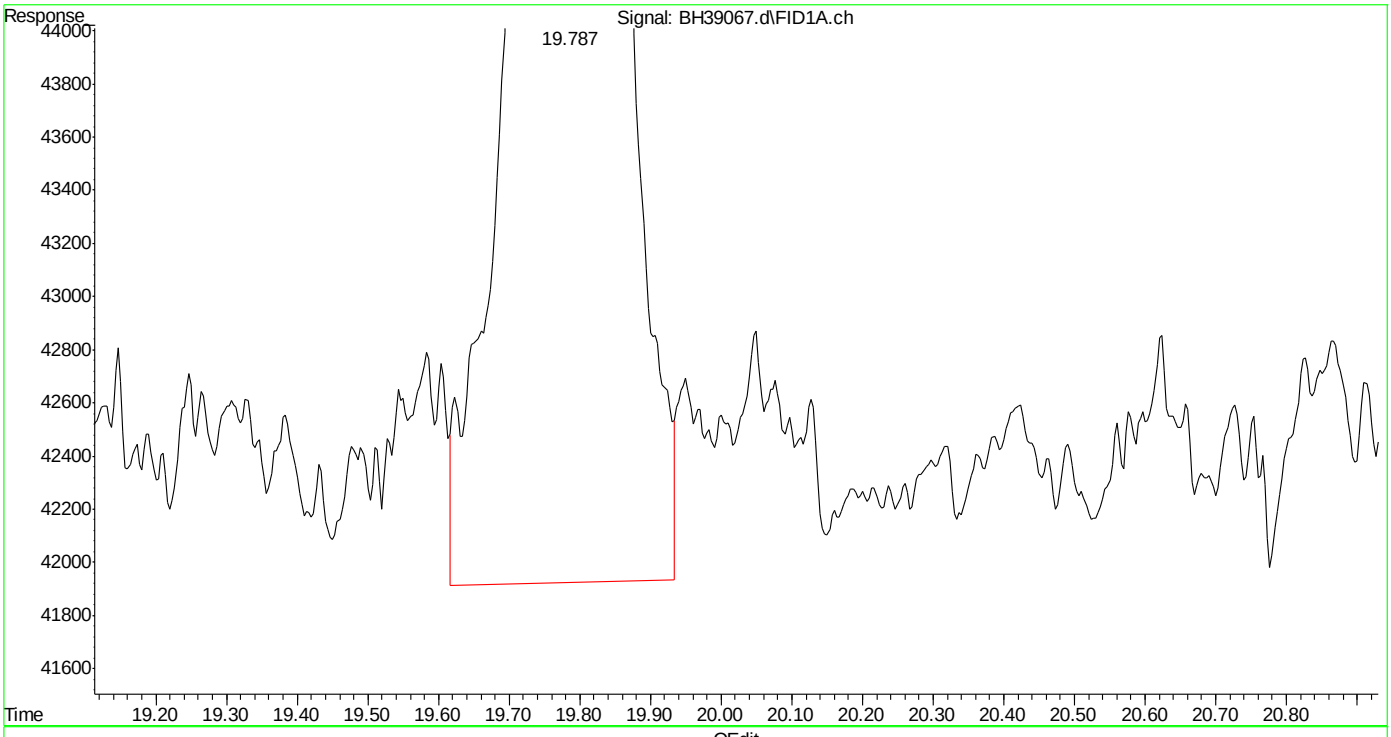
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:14:51 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.788min 1.283 ppb
response 1046605

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:14:57 2016

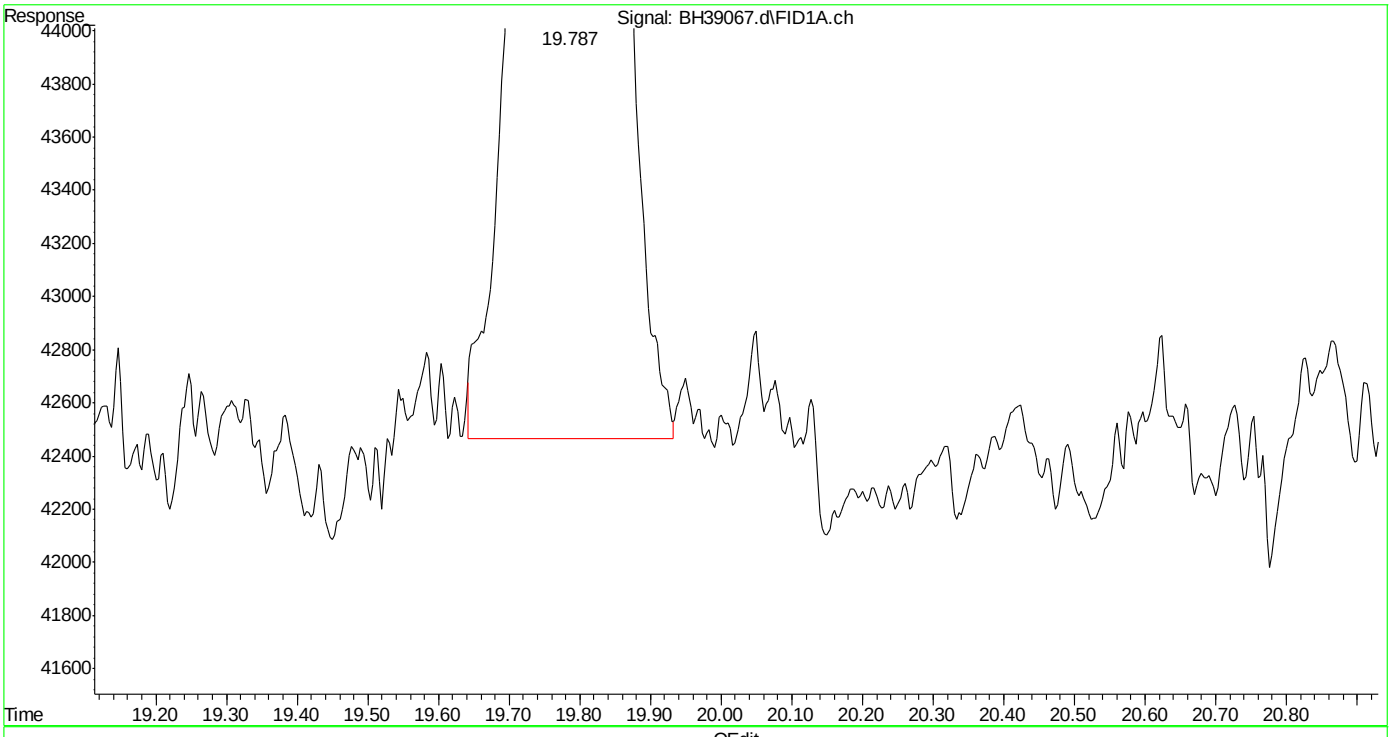
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.787min 1.156 ppb m
response 942696

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:15:07 2016

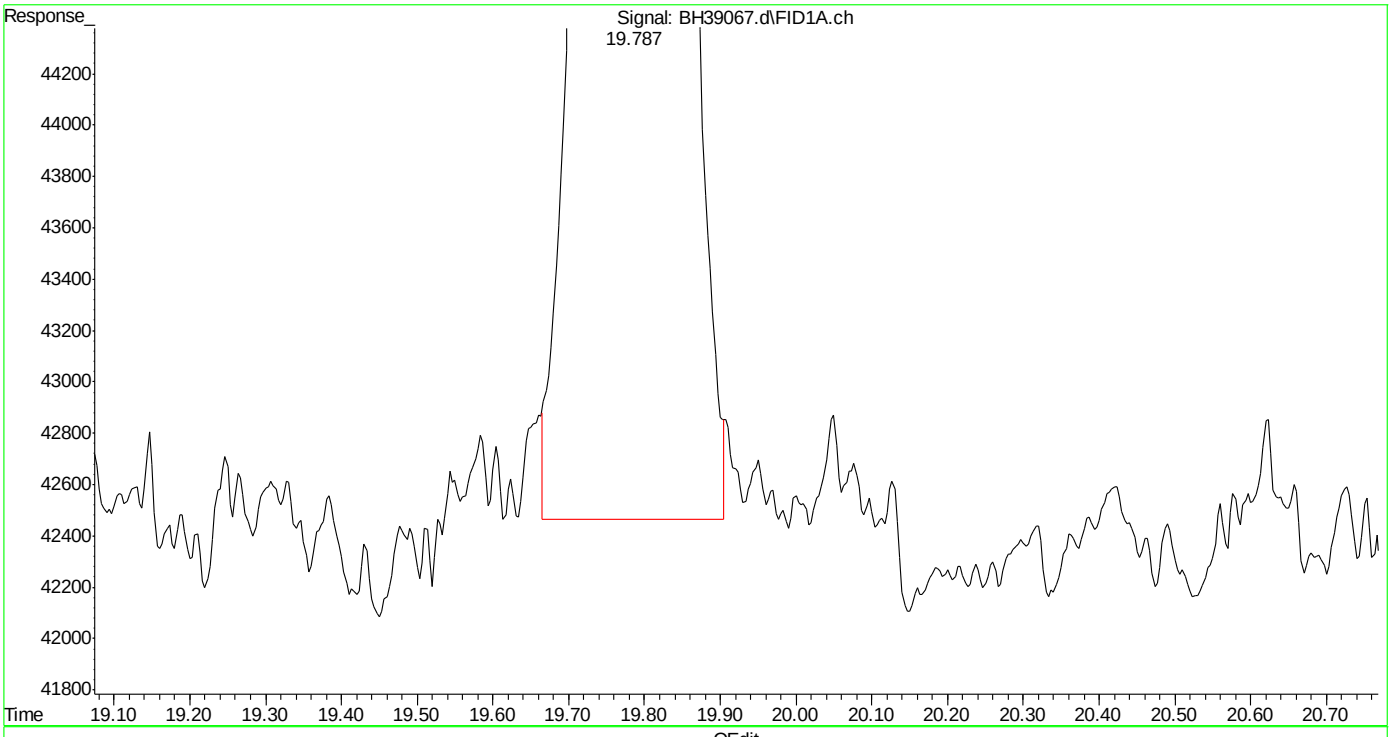
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(9) 2,3,4-trifluorotoluene (s)
19.787min 1.146 ppb m
response 934208

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:15:36 2016

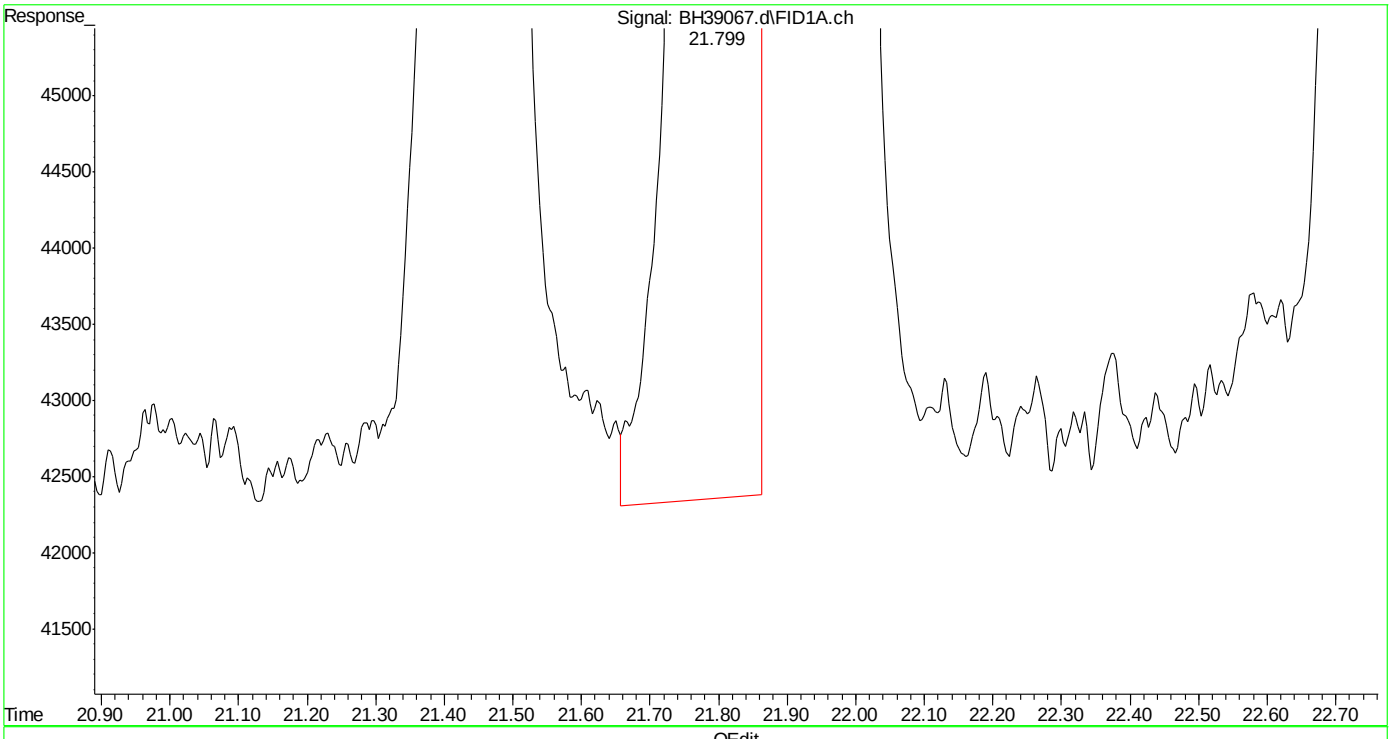
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.800min 1.096 ppb
response 1314913

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:12 2016

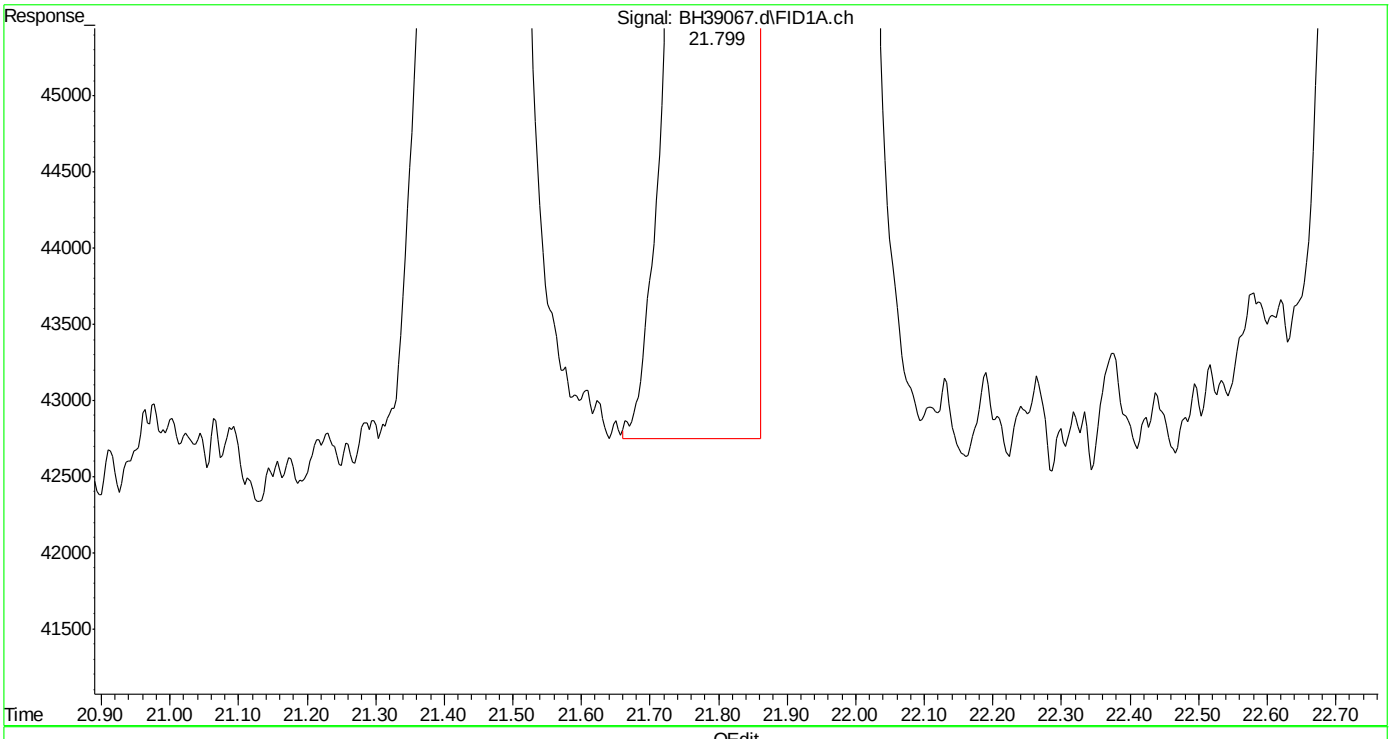
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(13) ethylbenzene (t)
21.799min 1.062 ppb m
response 1273810

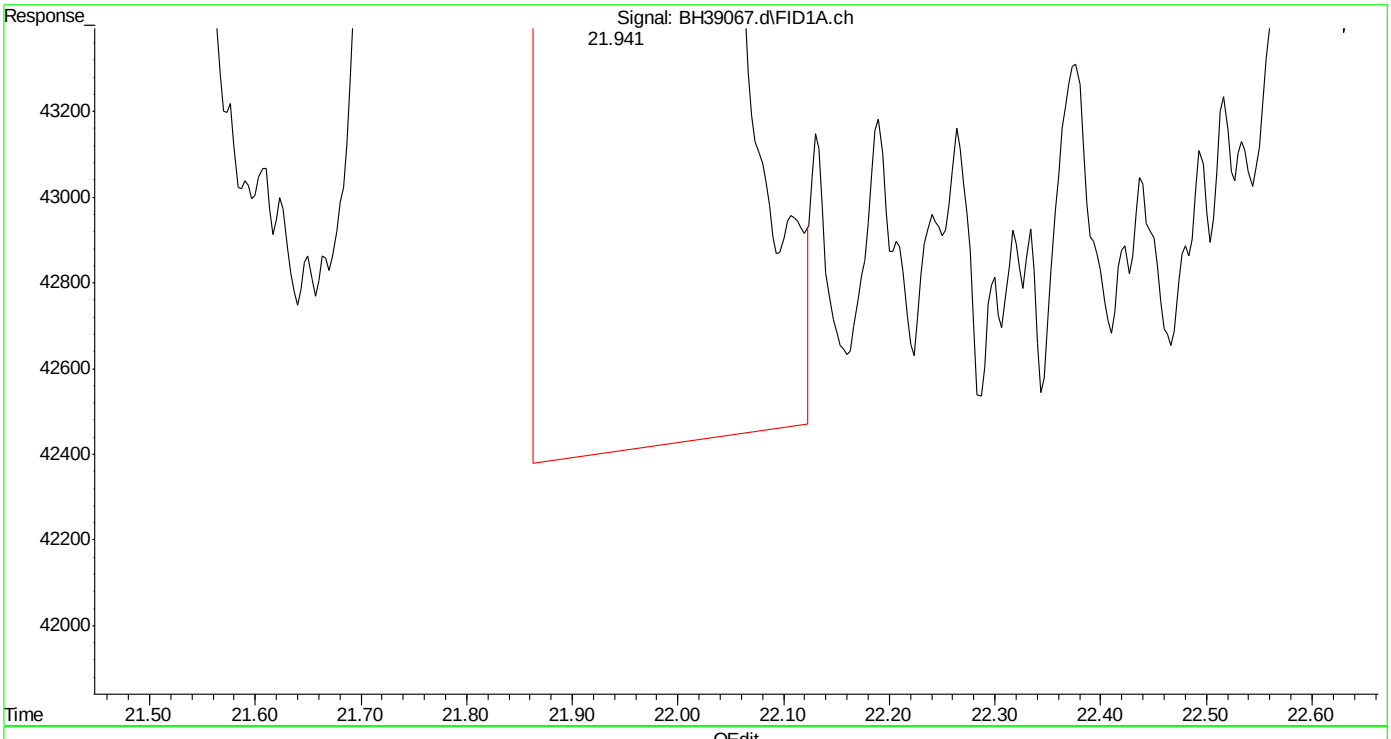
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:19 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.943min 2.197 ppb
response 2765222

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:24 2016

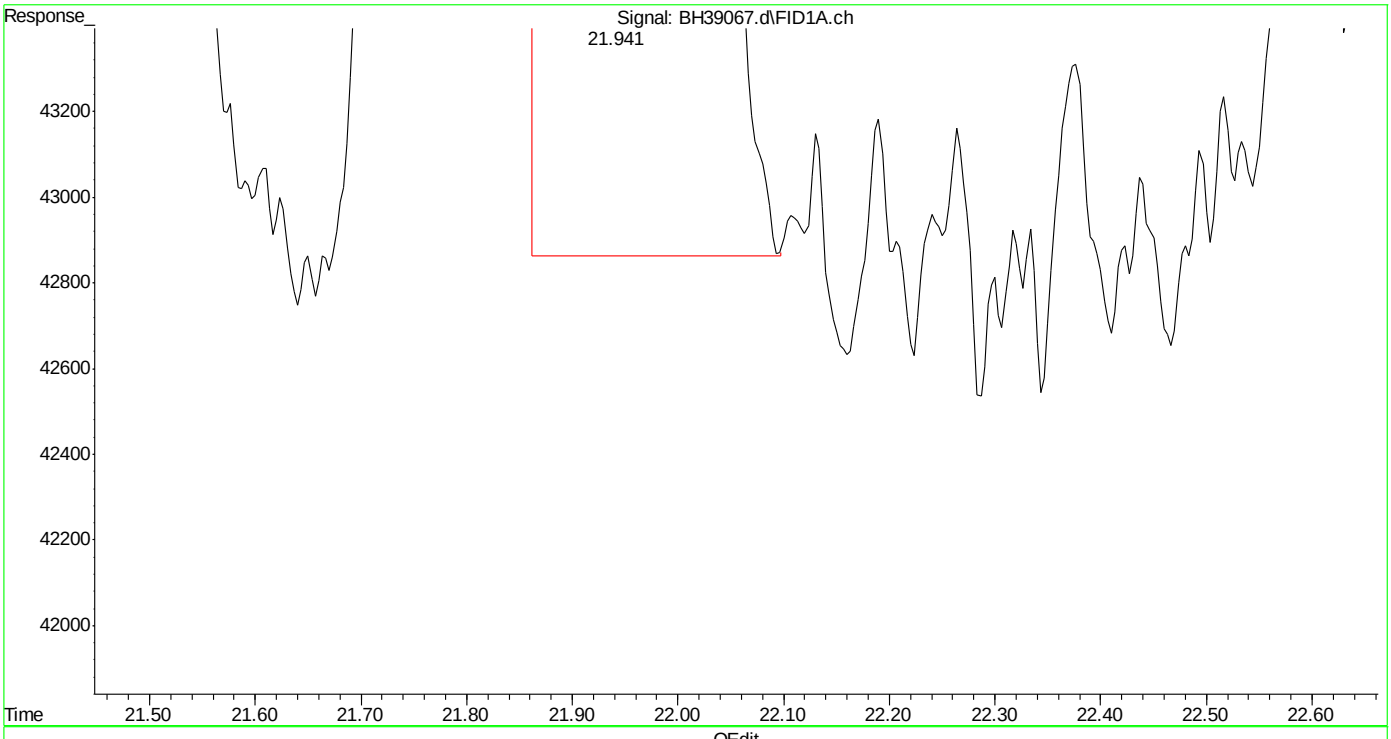
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) m,p-xylene (t)
21.941min 2.142 ppb m
response 2695605

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:36 2016

SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(15) o-xylene (t)
22.755min 1.274 ppb
response 1638379

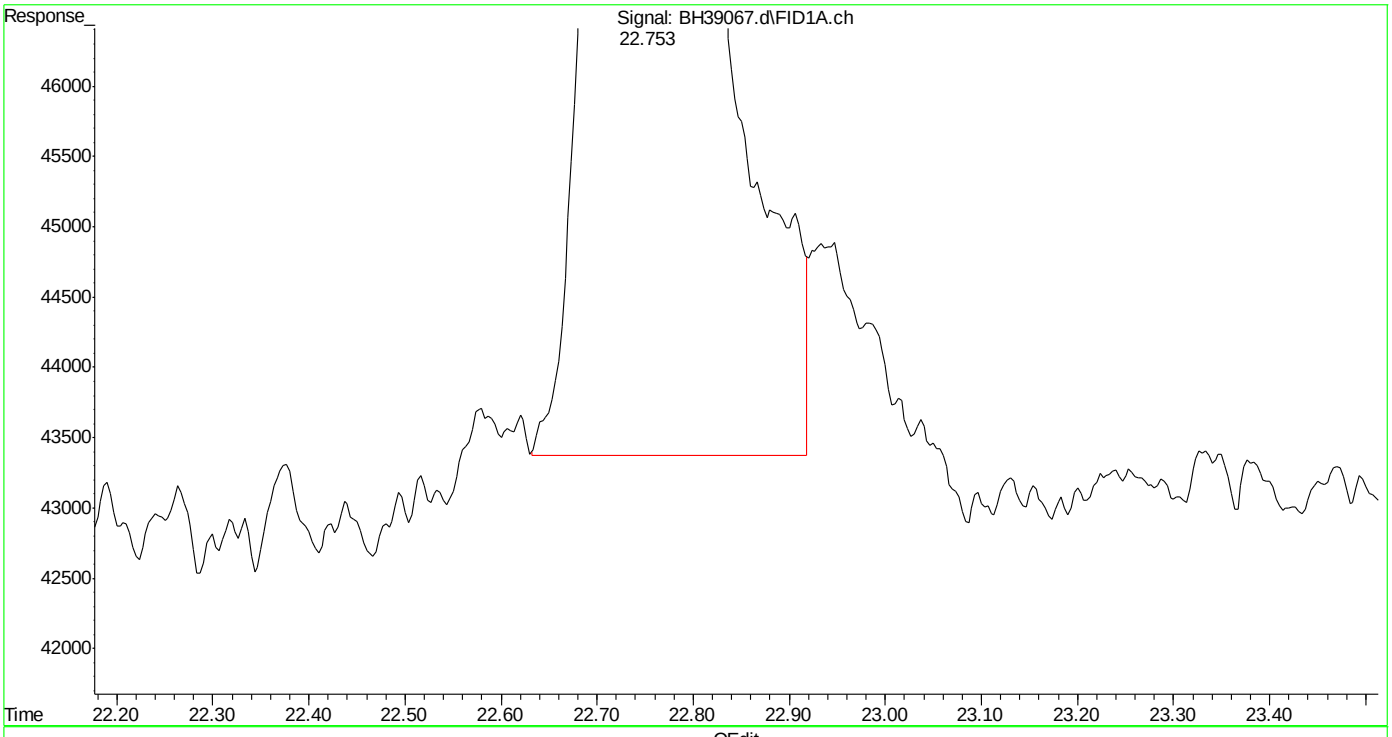
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:43 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) o-xylene (t)
22.753min 1.091 ppb m
response 1402799

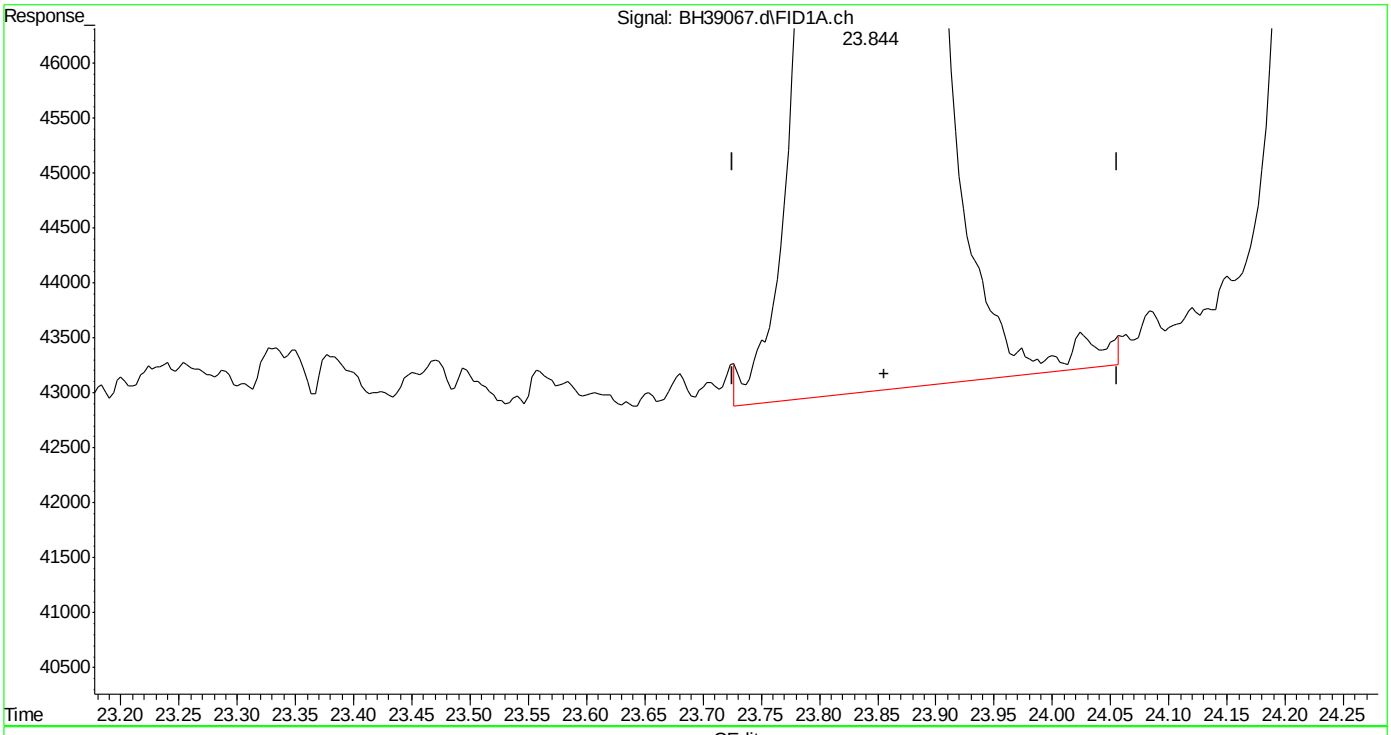
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:16:54 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 1.420 ppb
response 1606277

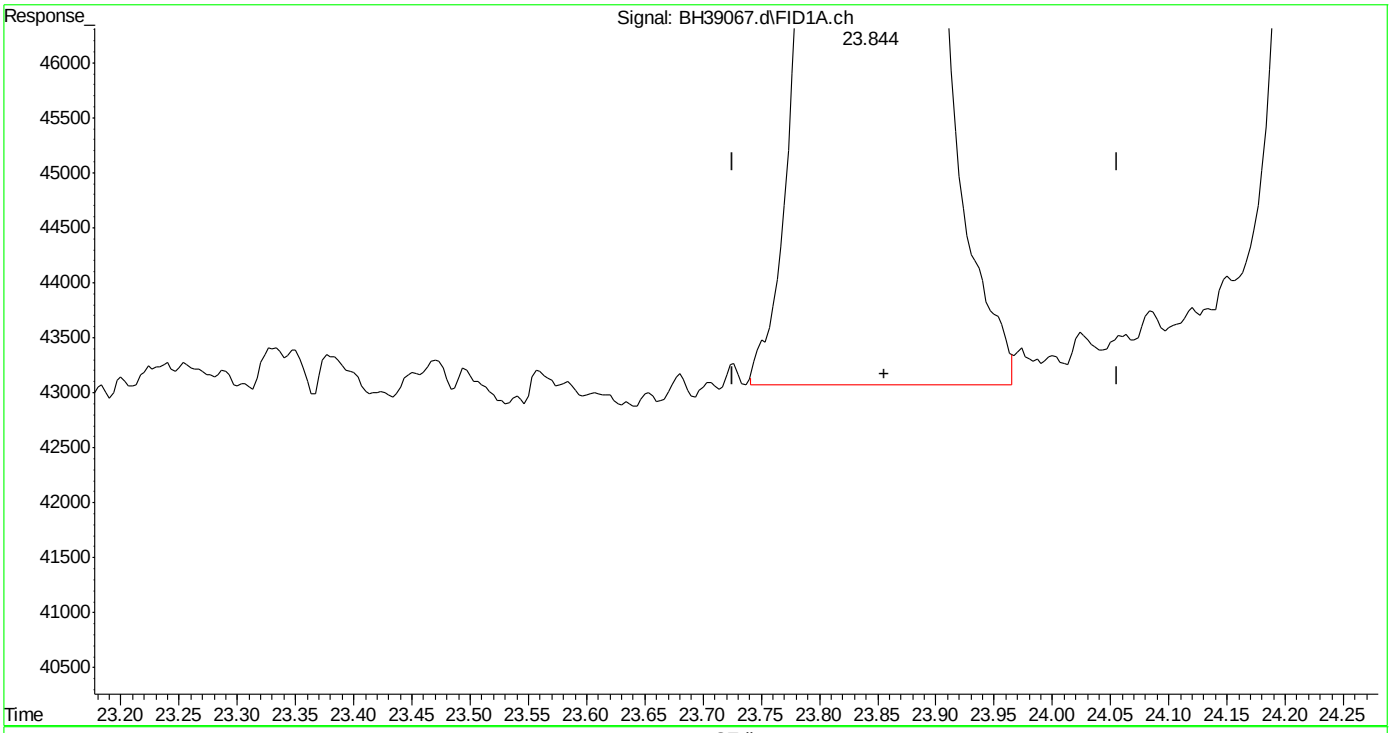
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:00 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) decane (h)
23.856min 1.403 ppb m
response 1587731

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:08 2016

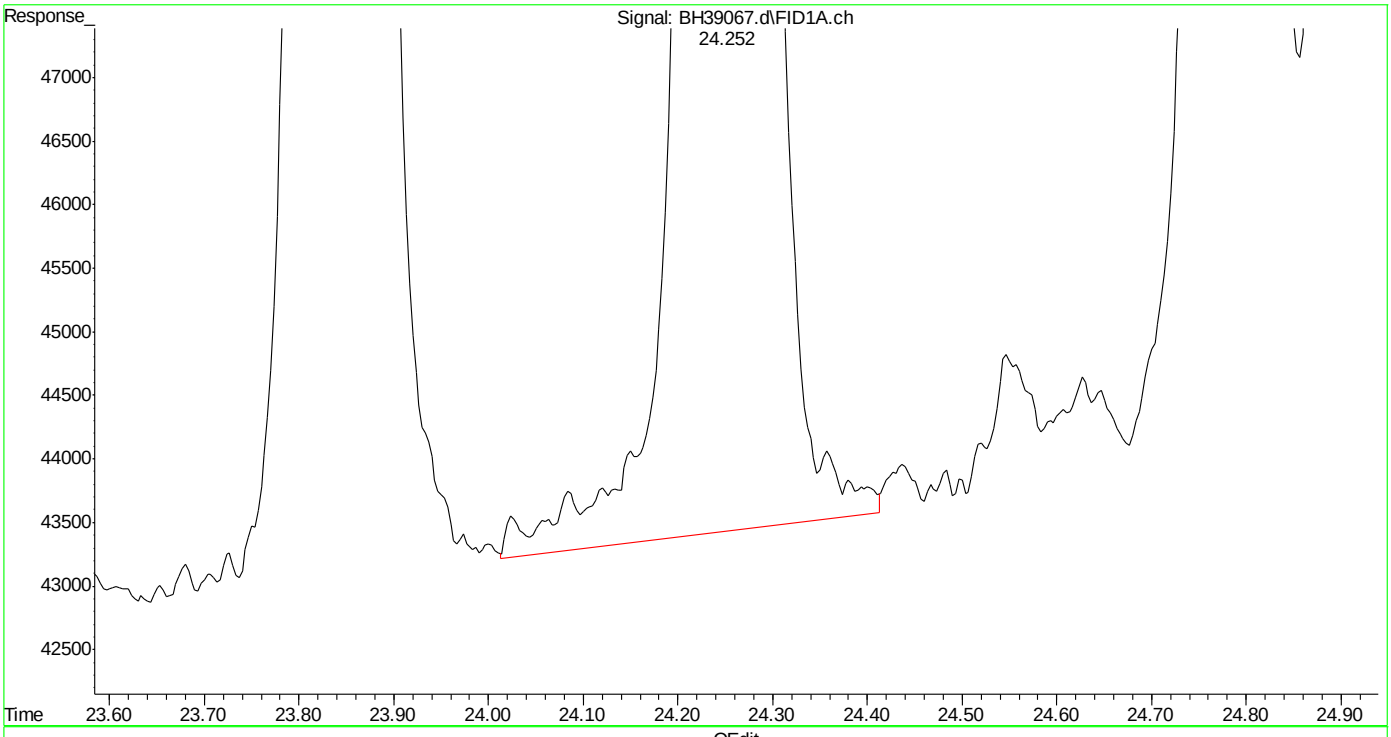
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.254min 1.162 ppb
response 1577154

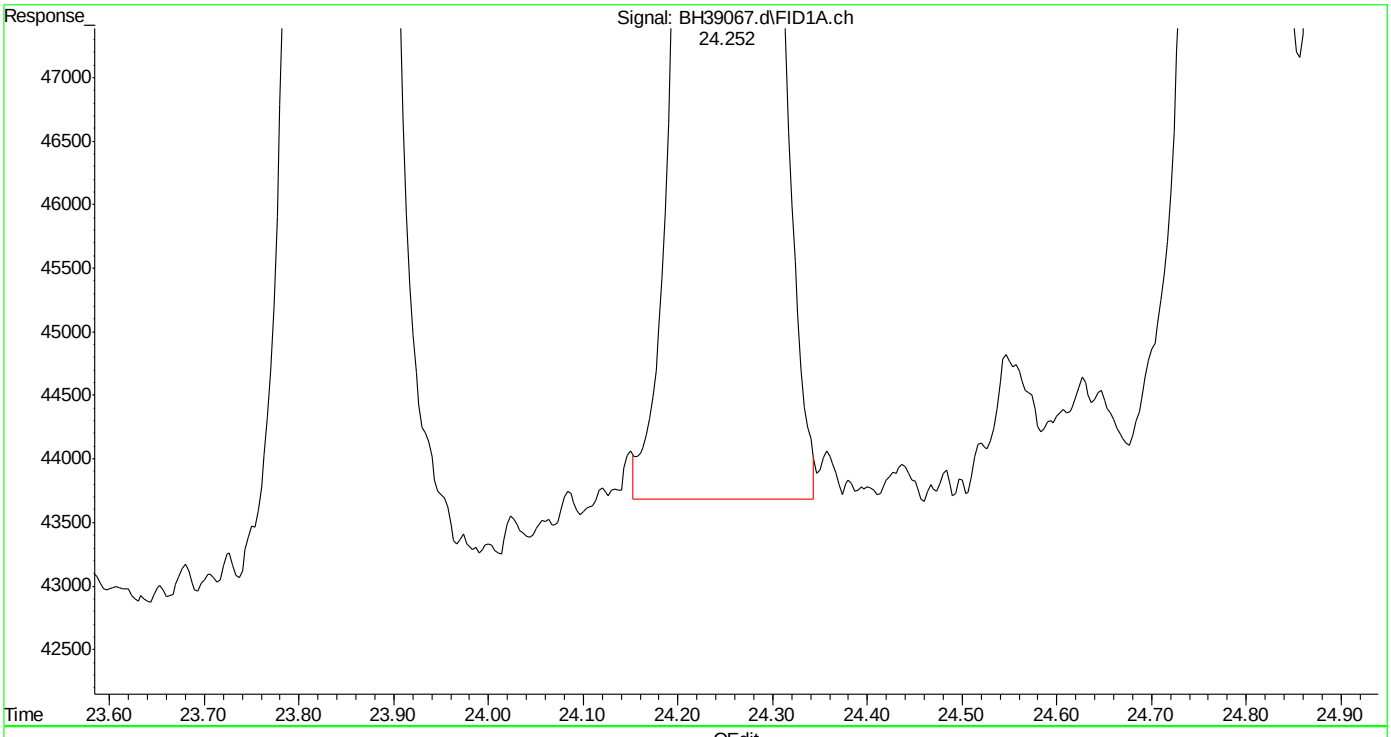
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:18 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) 1,3,5-trimethylbenzene (t)
24.252min 1.110 ppb m
response 1506800

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:24 2016

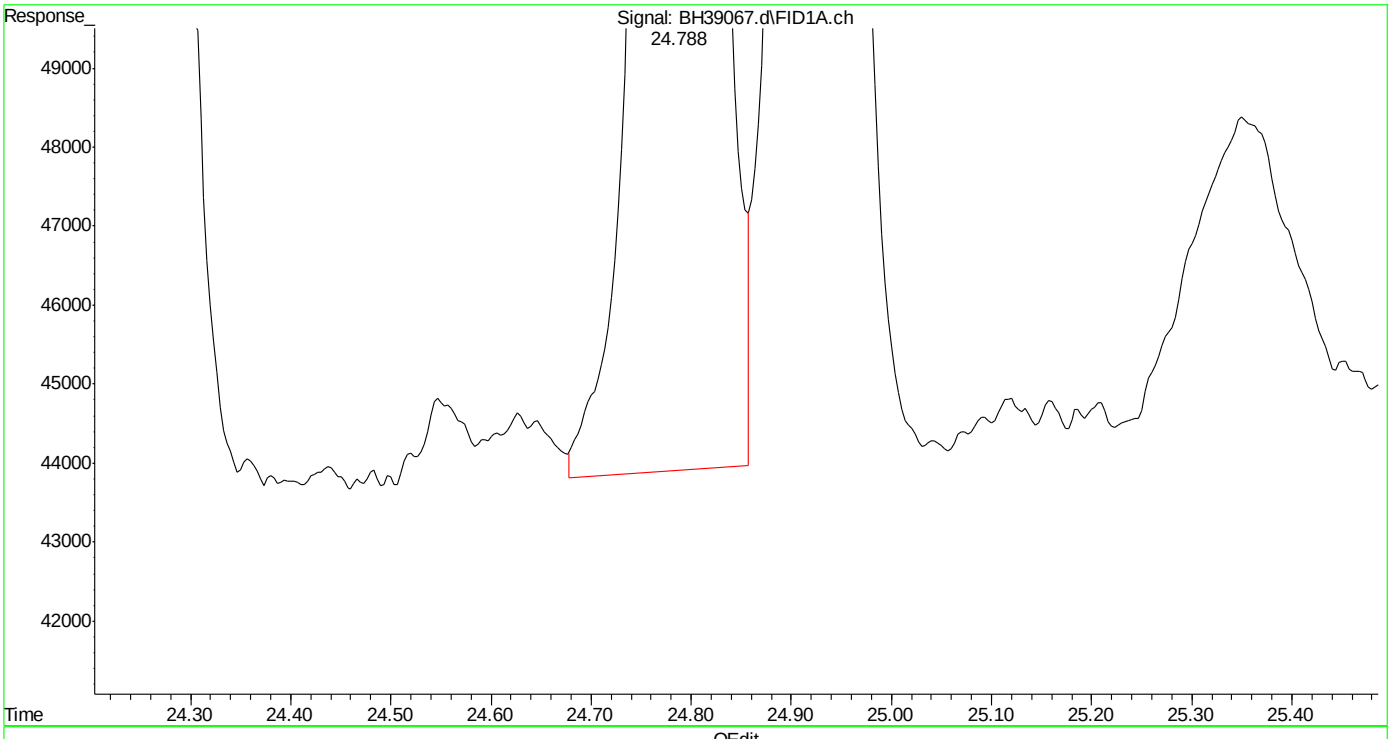
Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)

24.789min 1.190 ppb

response 1633591

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:17:30 2016

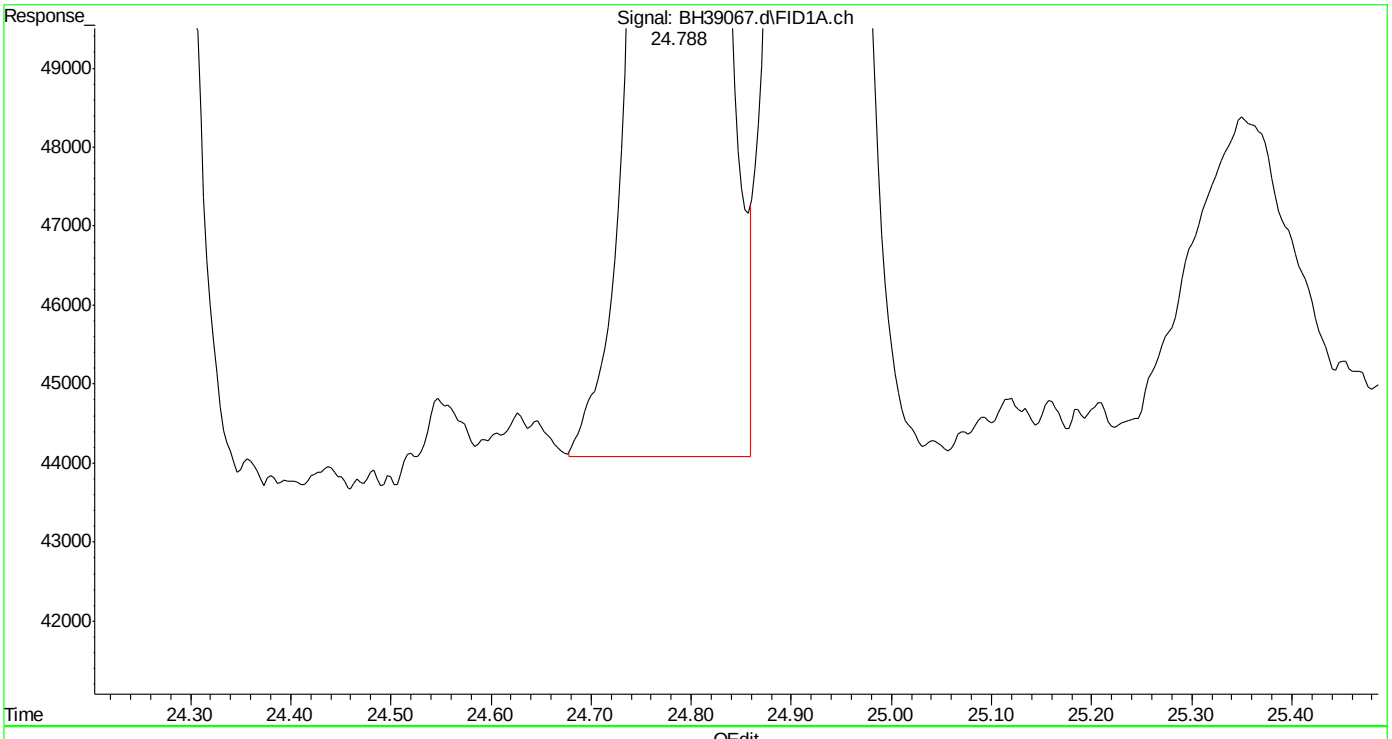
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 1,2,4-trimethylbenzene (t)

24.788min 1.178 ppb m

response 1617043

(+) = Expected Retention Time

bh160420vphmaster.m Wed Apr 20 14:17:38 2016

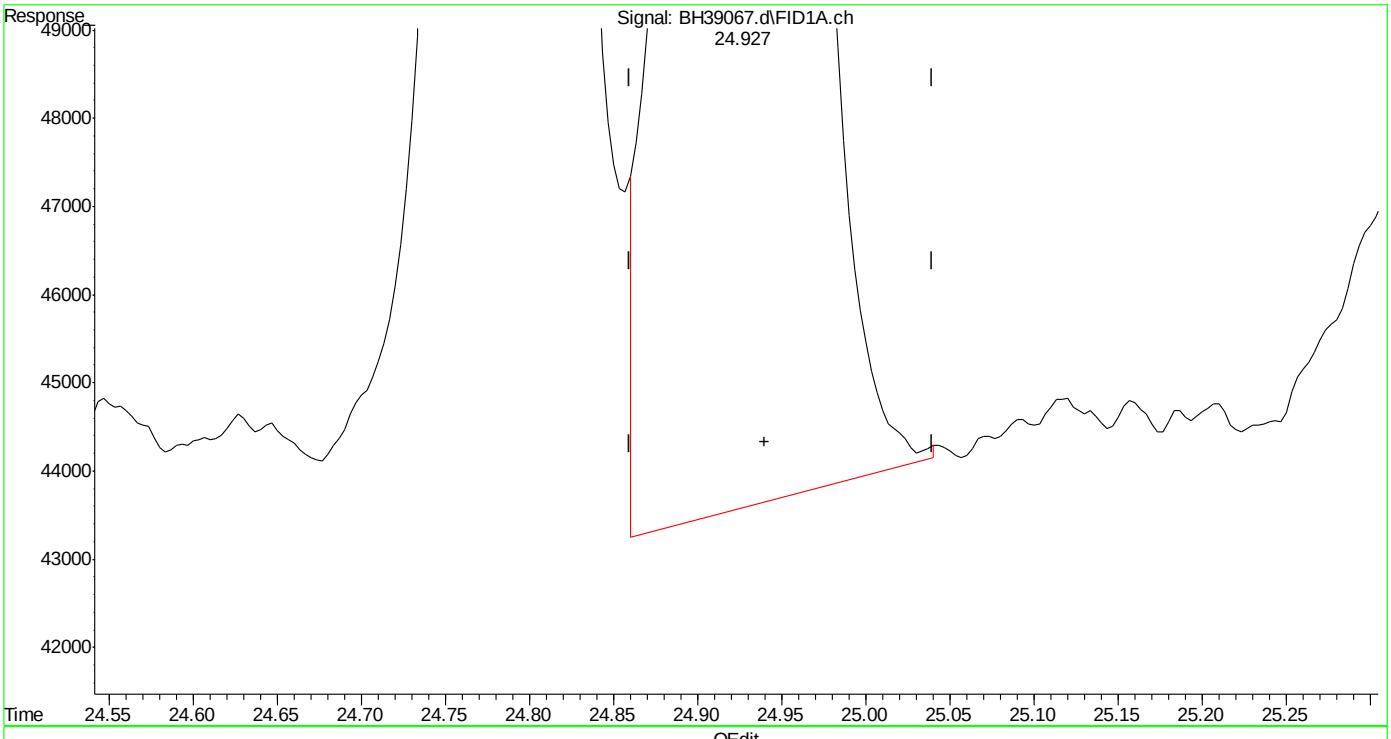
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 1.302 ppb
response 1617660

(+) = Expected Retention Time

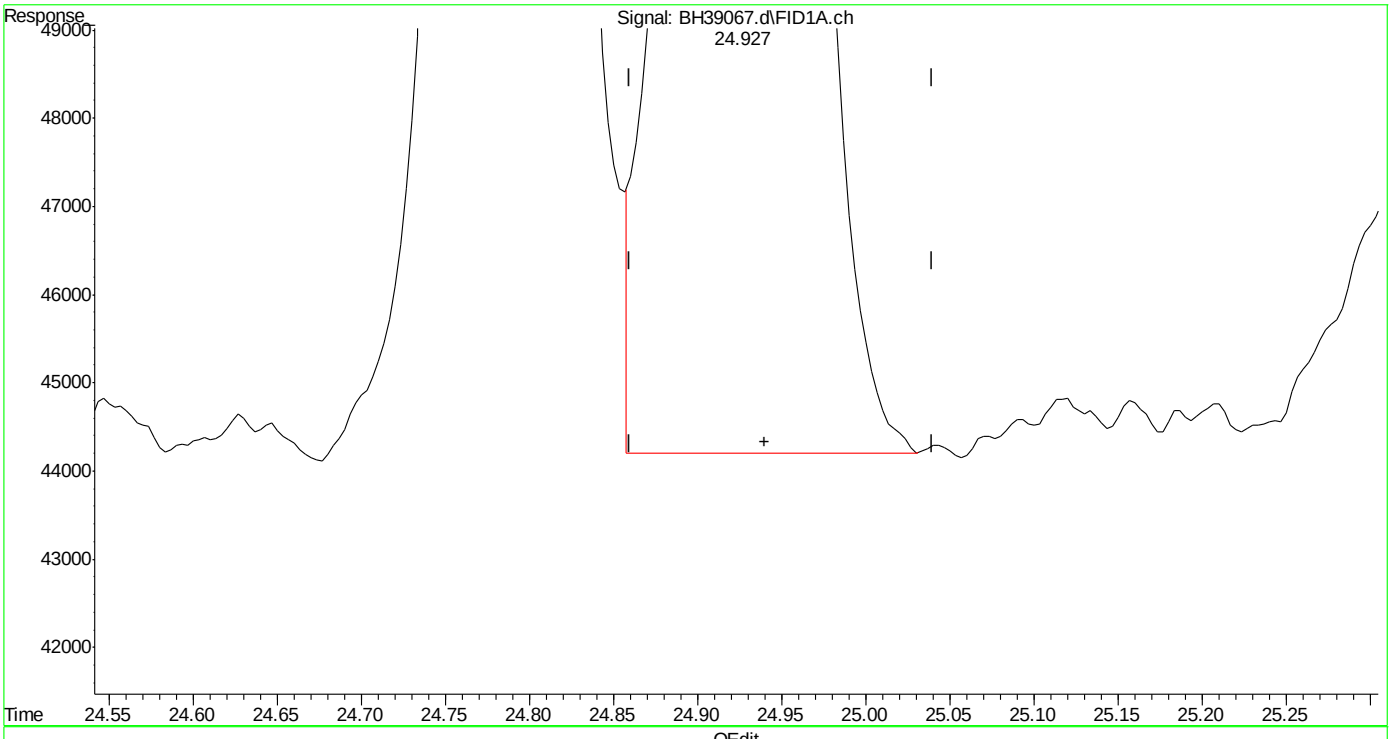
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) butylcyclohexane (h)
24.940min 1.278 ppb m
response 1587278

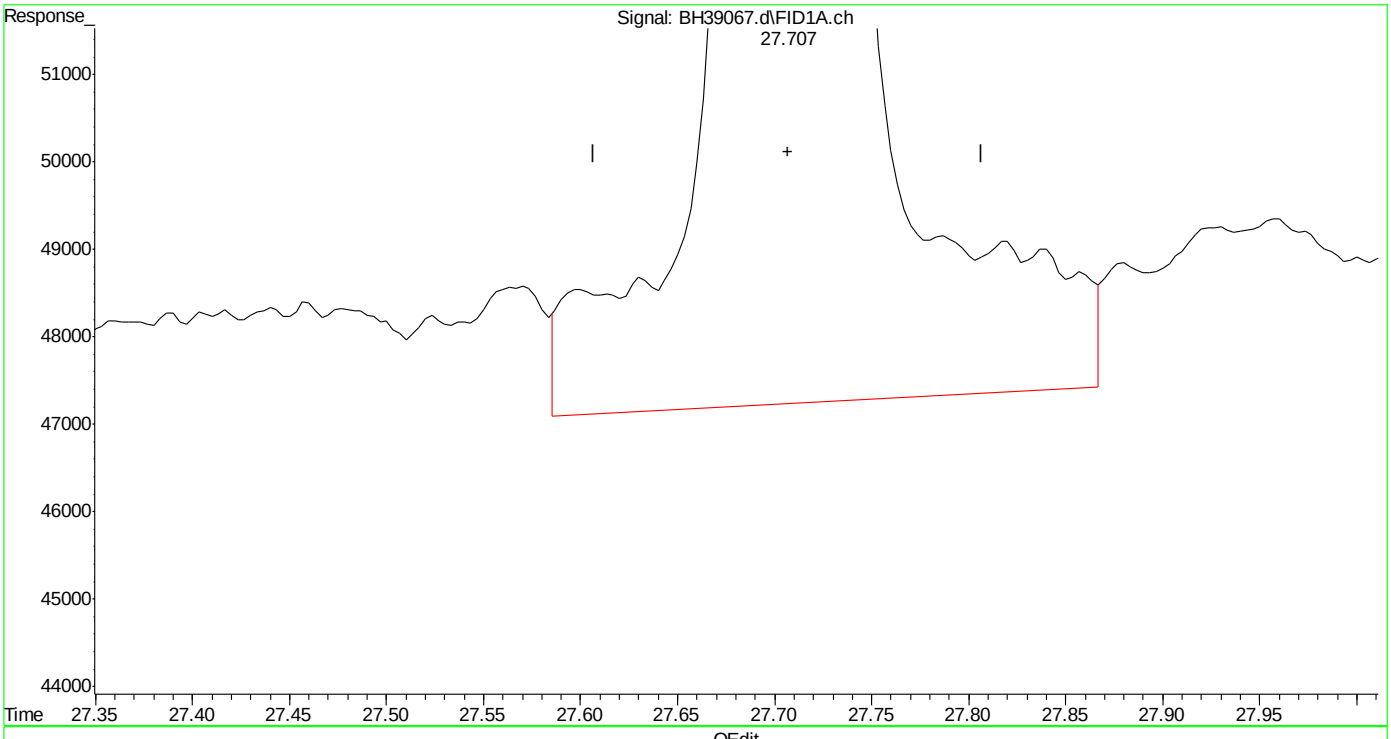
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.709min 1.433 ppb
response 1216383

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:51 2016

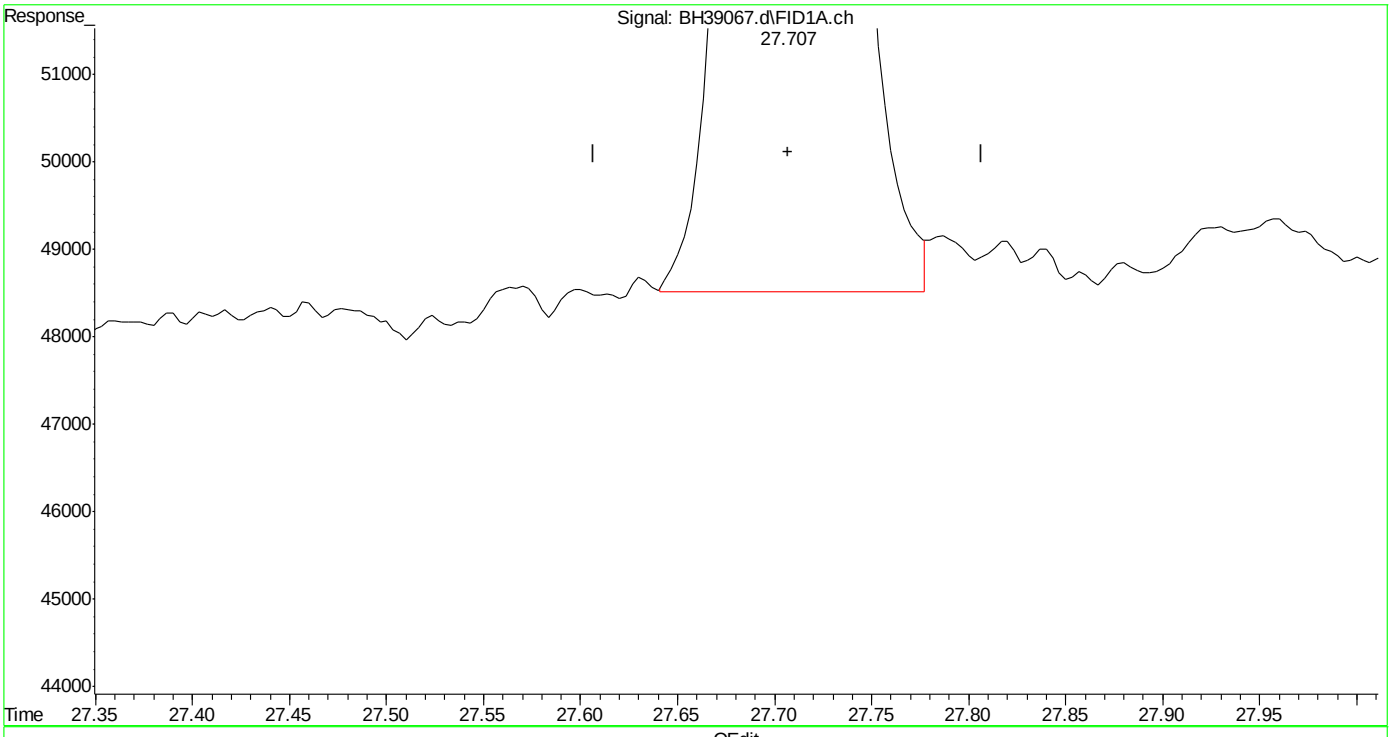
Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) naphthalene (t)
27.707min 1.158 ppb m
response 982848

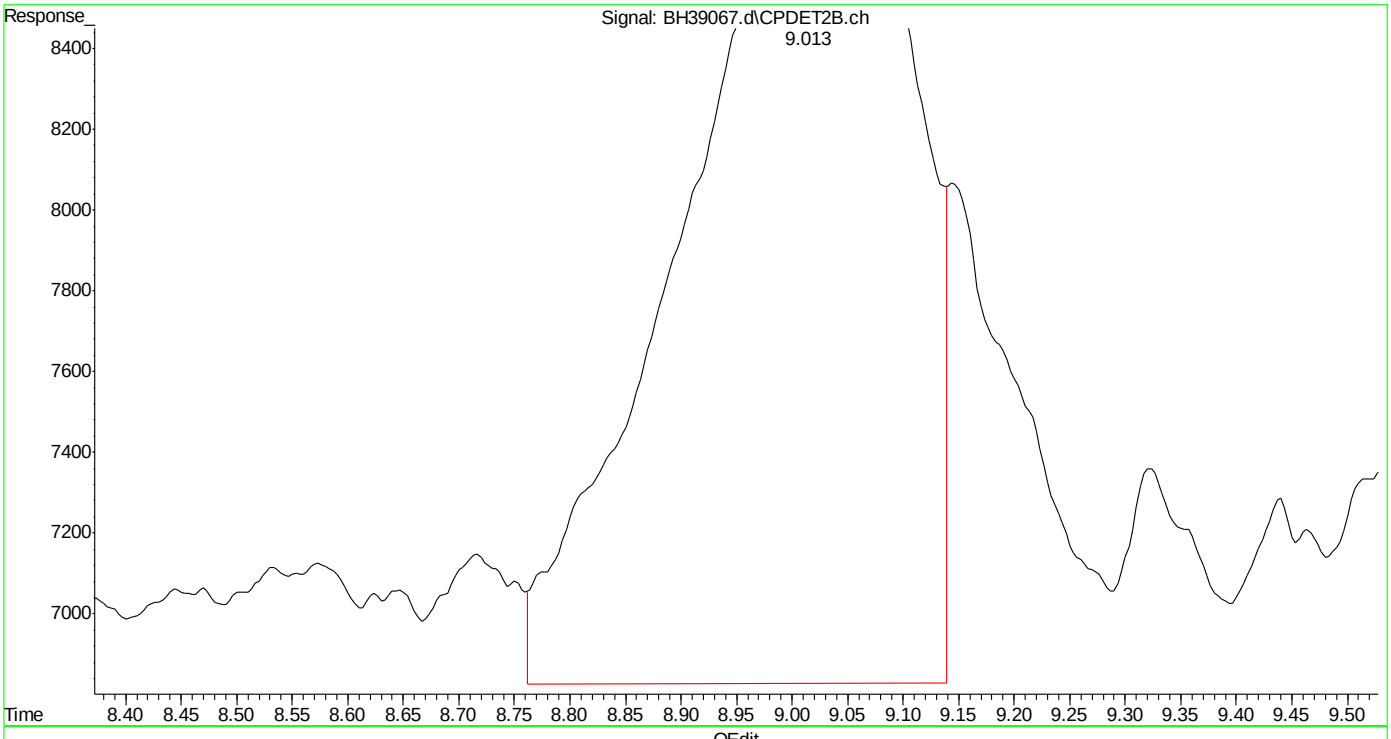
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:17:58 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.015min 0.999 ppb
response 288777

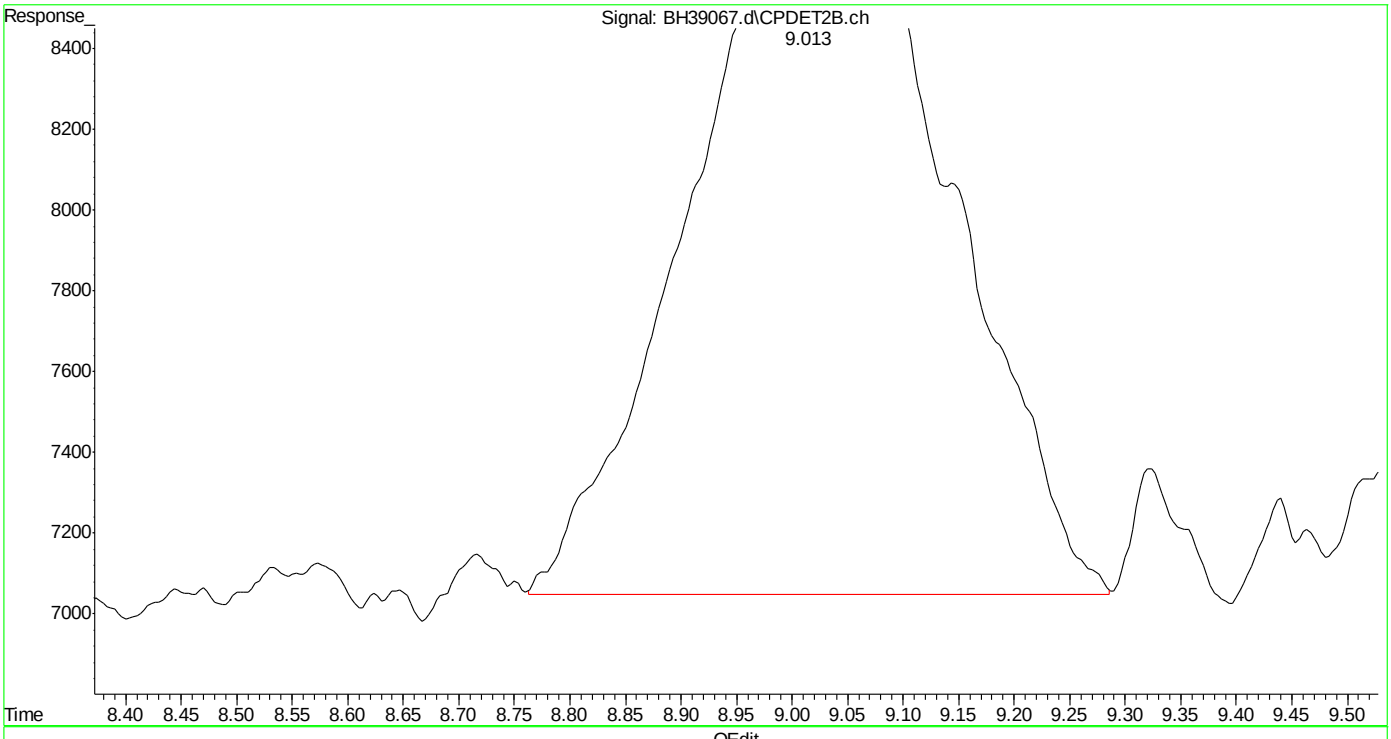
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:04 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) mtbe #2 (t)
9.013min 0.968 ppb m
response 279735

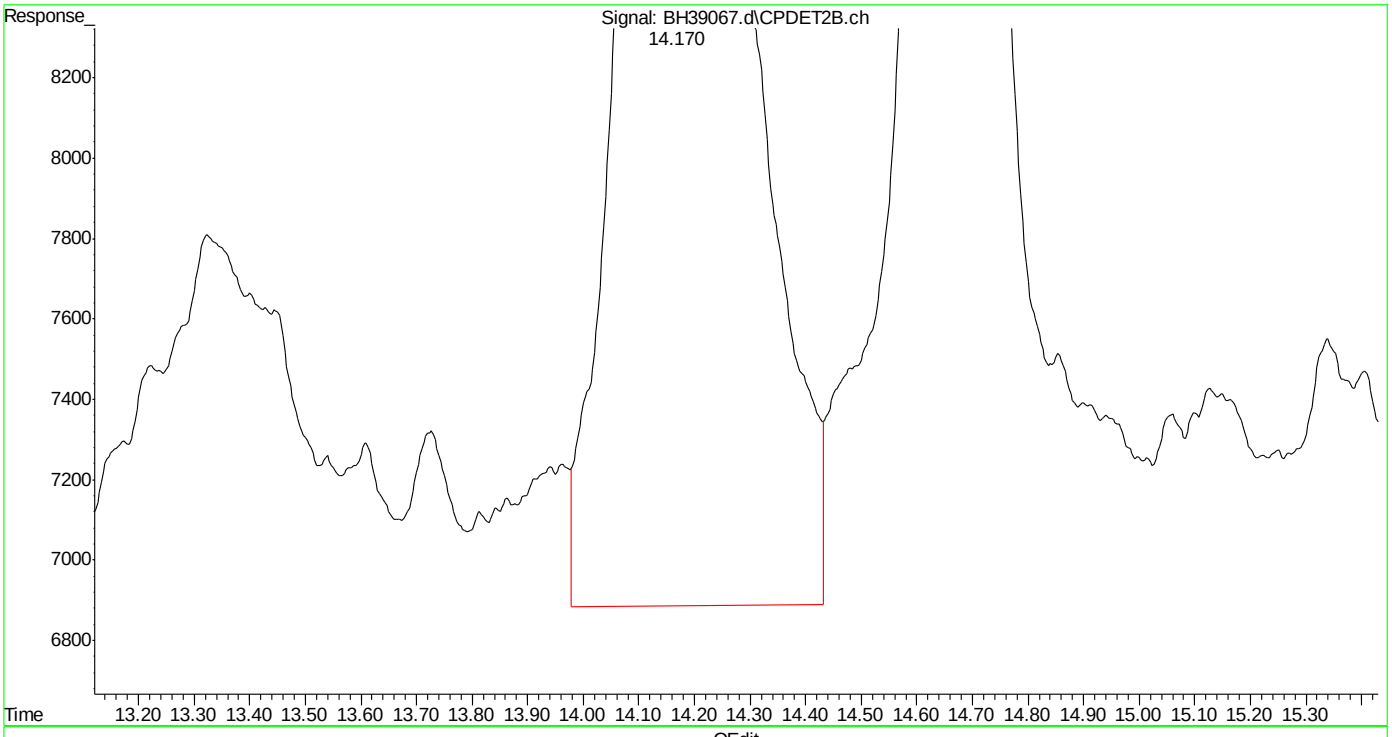
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:13 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.171min 1.231 ppb
response 819613

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:19 2016

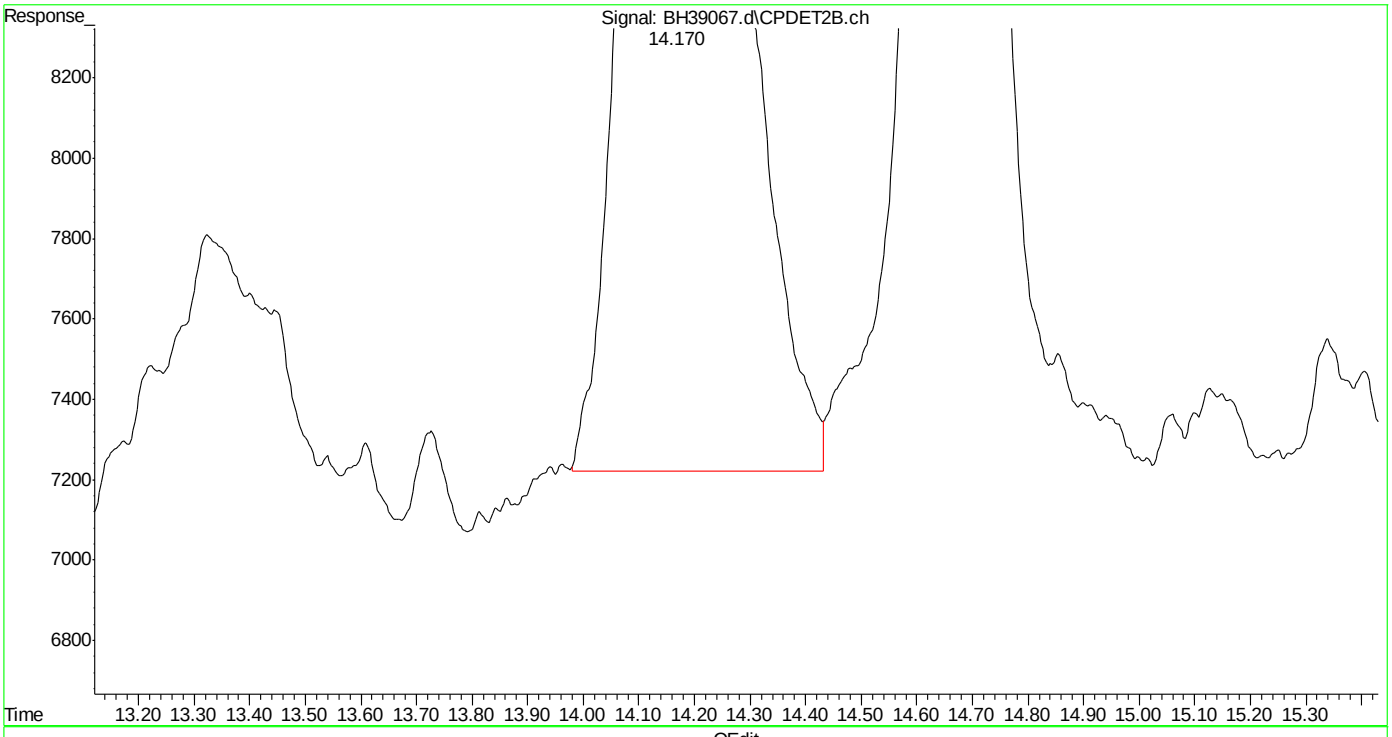
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) benzene #2 (t)
14.170min 1.094 ppb m
response 728697

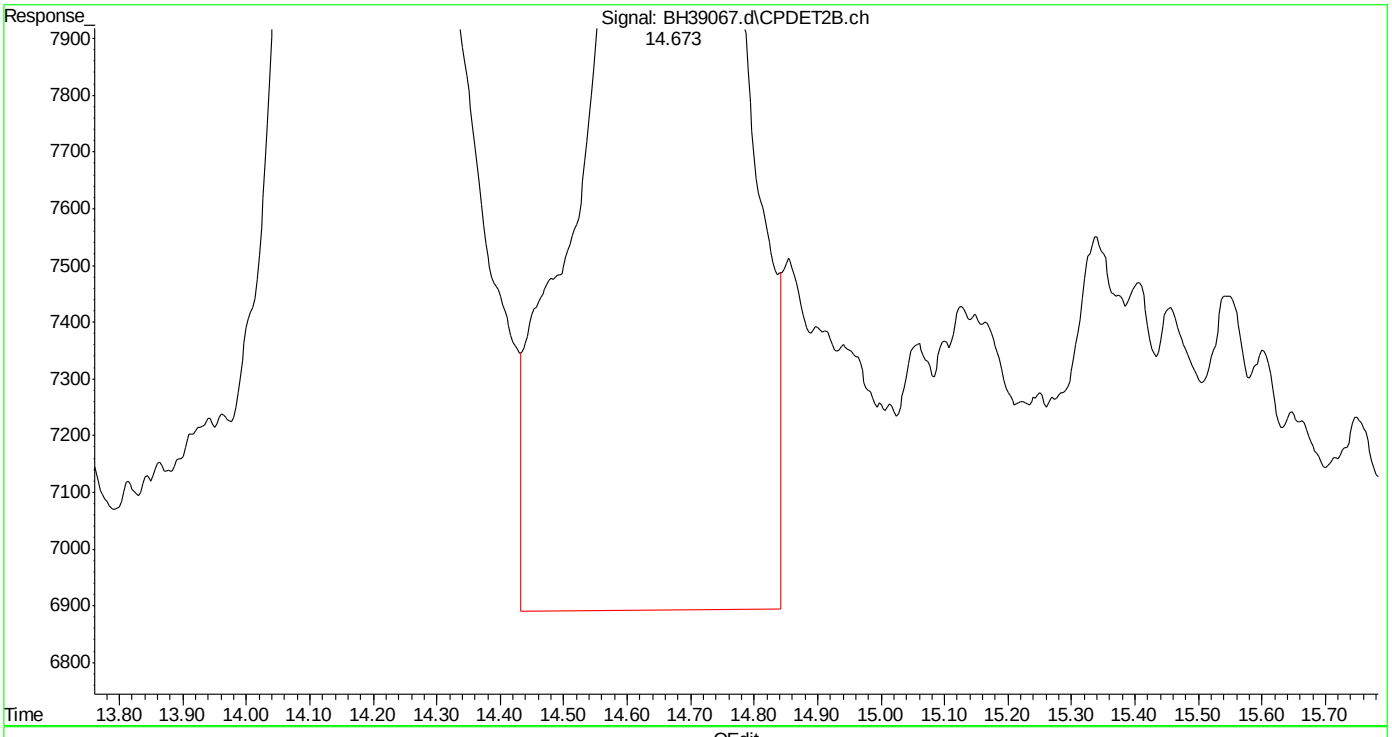
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.674min 1.244 ppb
response 514956

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:28 2016

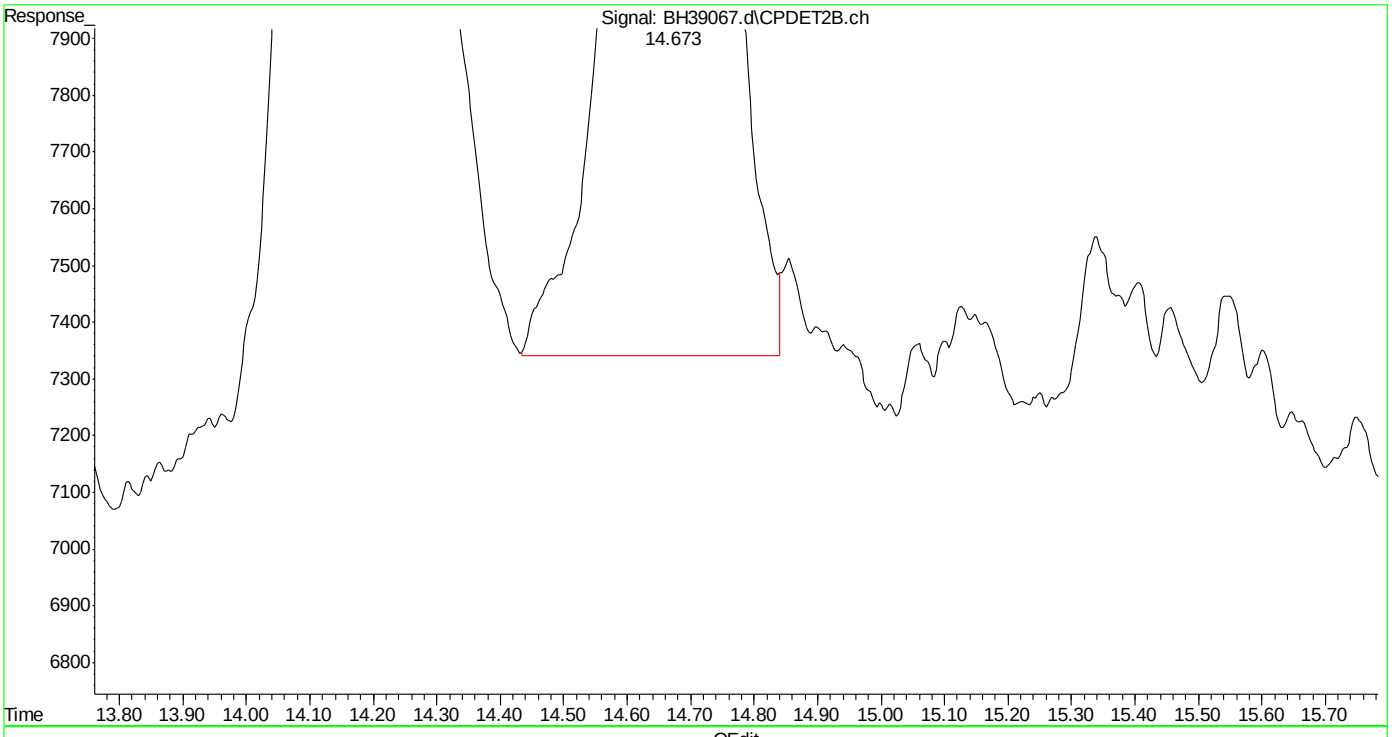
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(25) fluorobenzene #2 (s)
14.673min 0.979 ppb m
response 405168

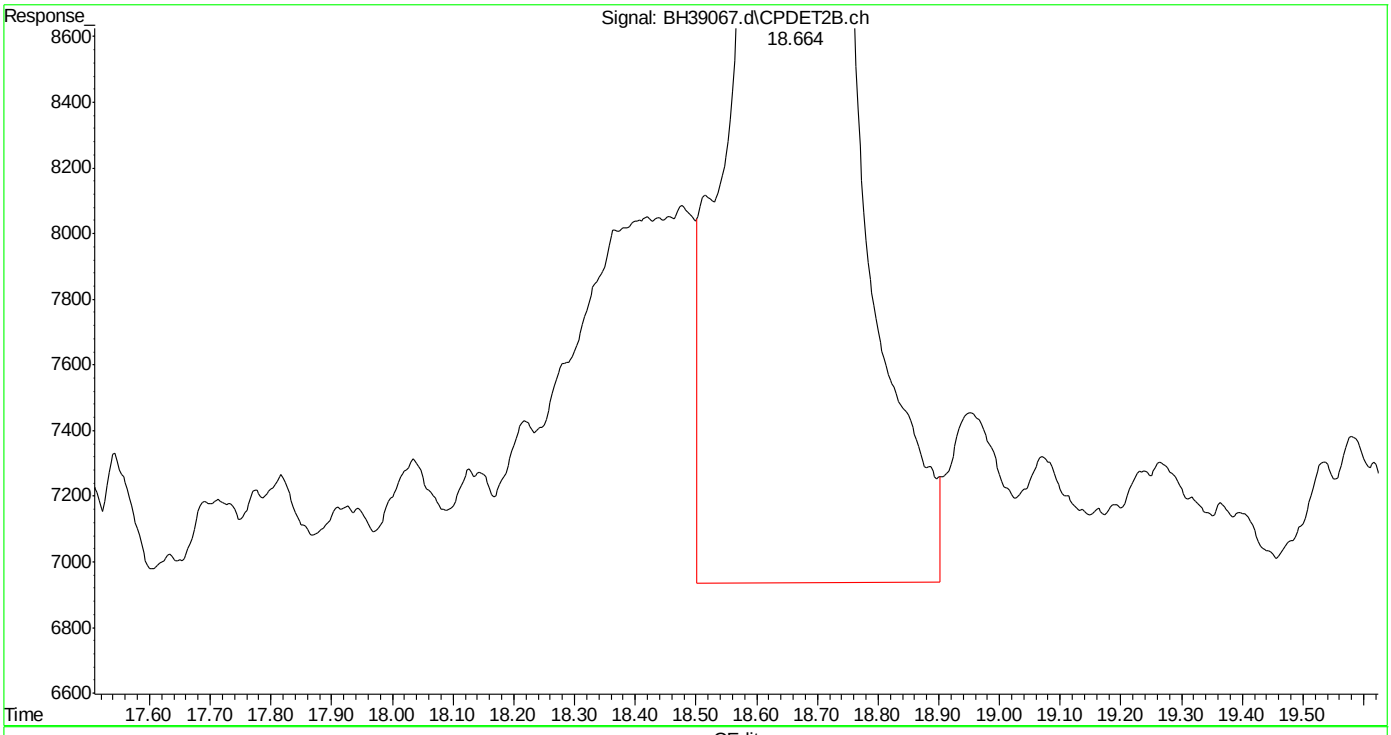
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:34 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.666min 1.205 ppb
response 747439

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:38 2016

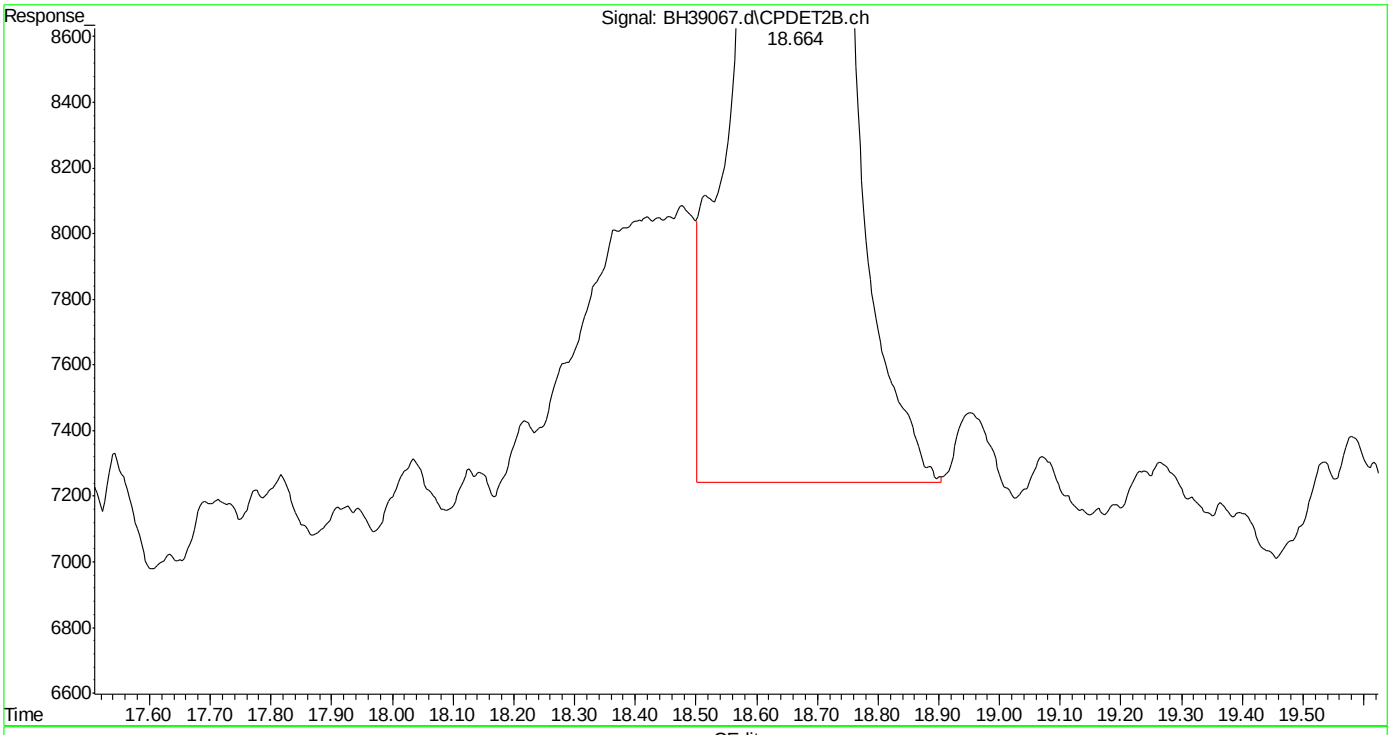
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) toluene #2 (t)
18.664min 1.086 ppb m
response 673731

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:44 2016

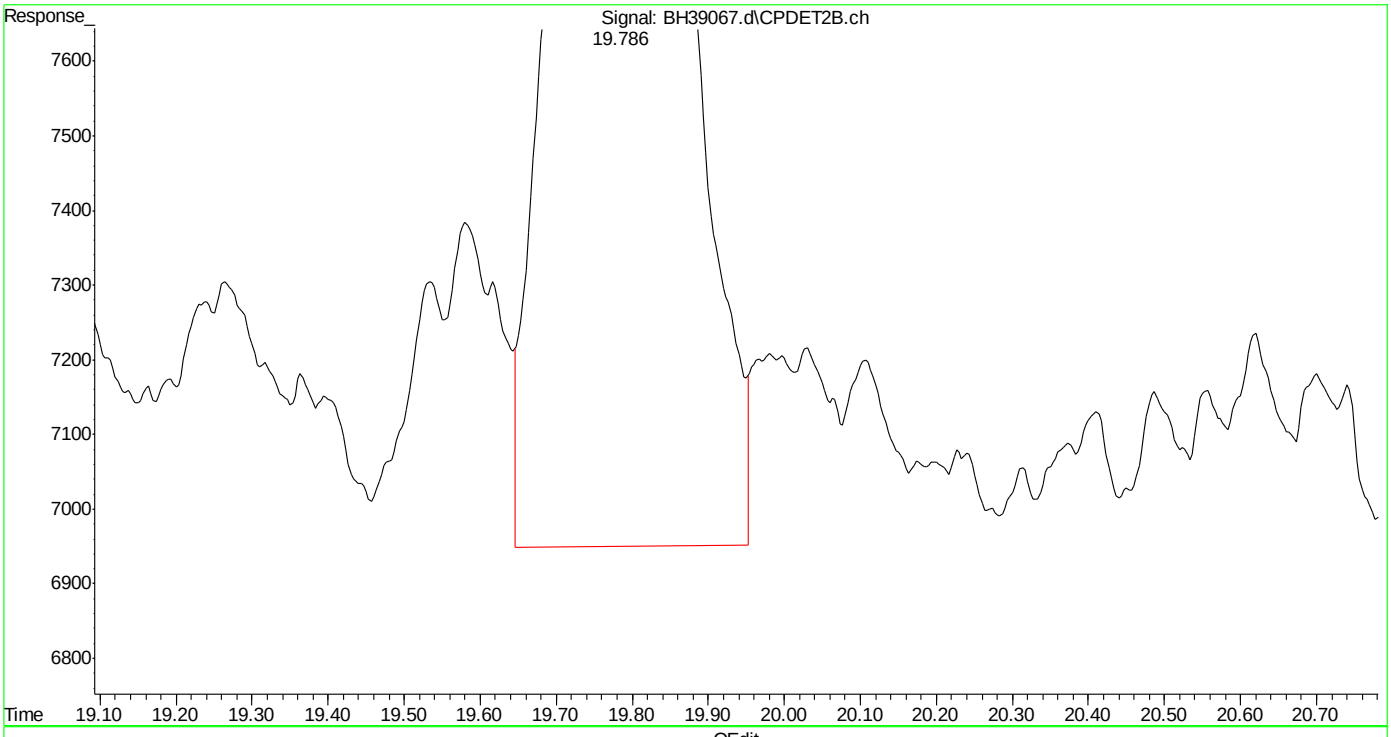
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.787min 1.318 ppb
response 333680

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:48 2016

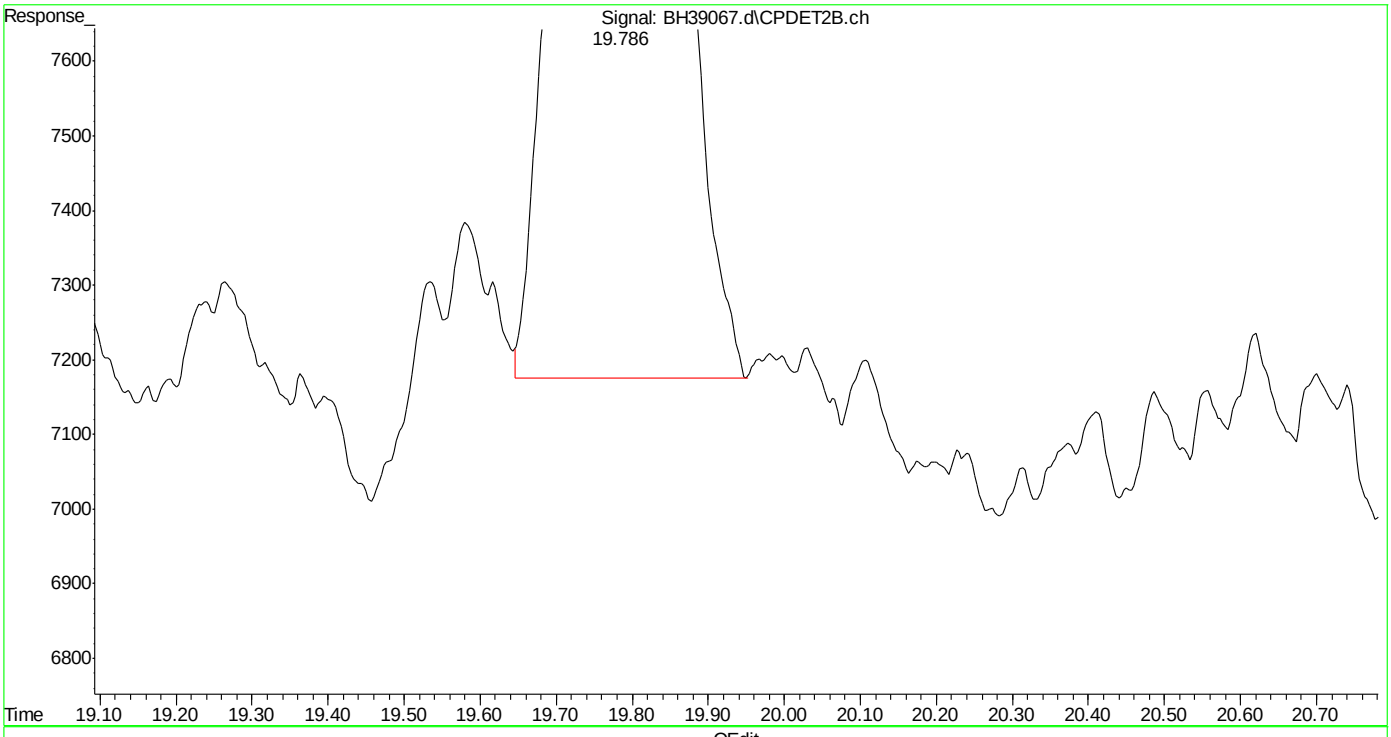
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(27) 2,3,4-trifluorotoluene #2 (s)
19.786min 1.154 ppb m
response 292316

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:18:56 2016

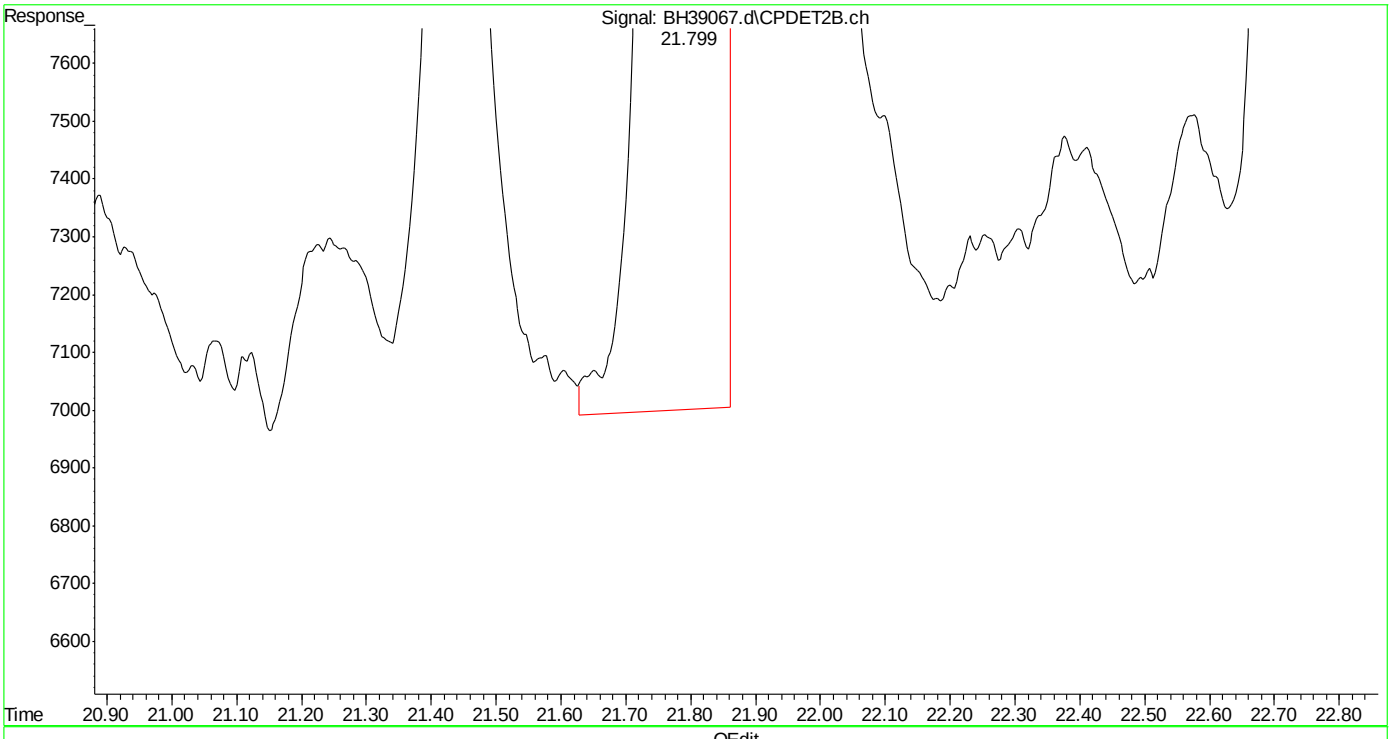
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.800min 1.041 ppb
response 567637

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:01 2016

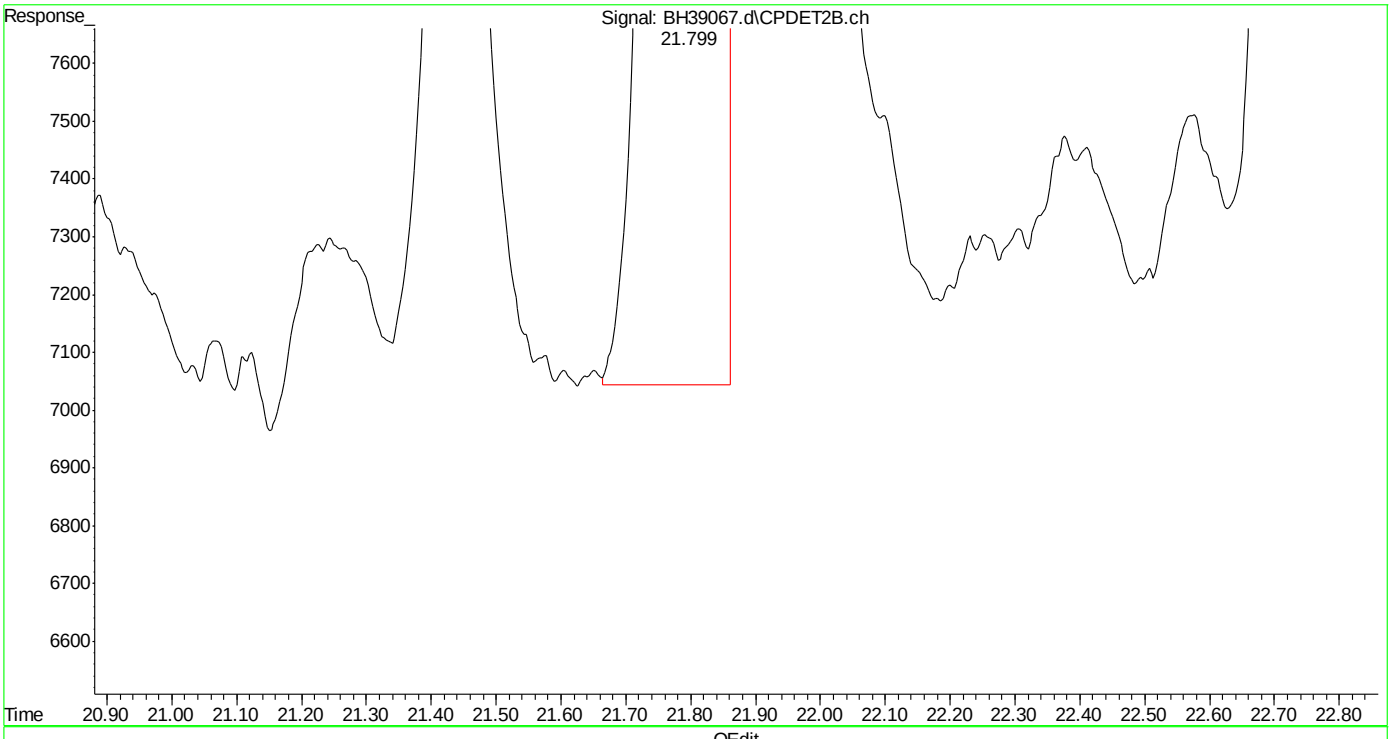
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(28) ethylbenzene #2 (t)
21.799min 1.047 ppb m
response 571223

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:10 2016

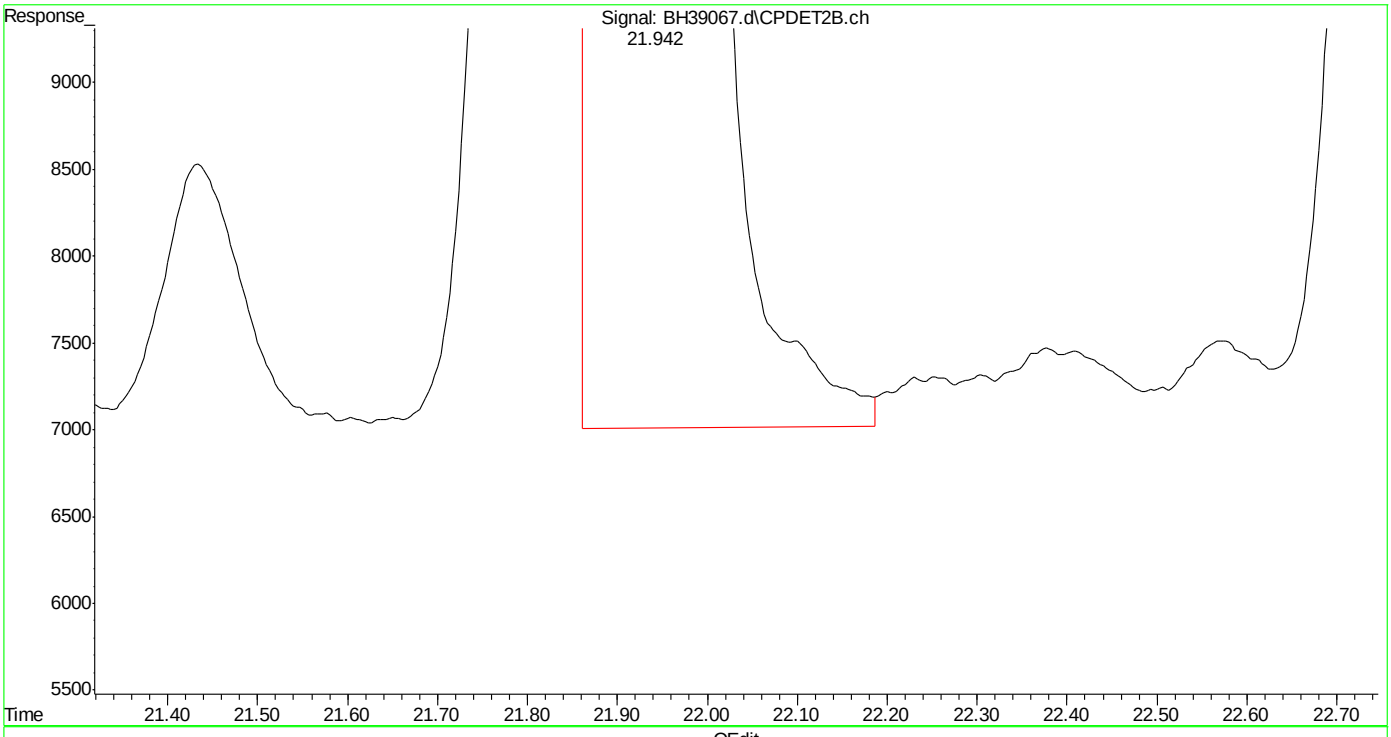
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.943min 2.143 ppb
response 1450564

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:17 2016

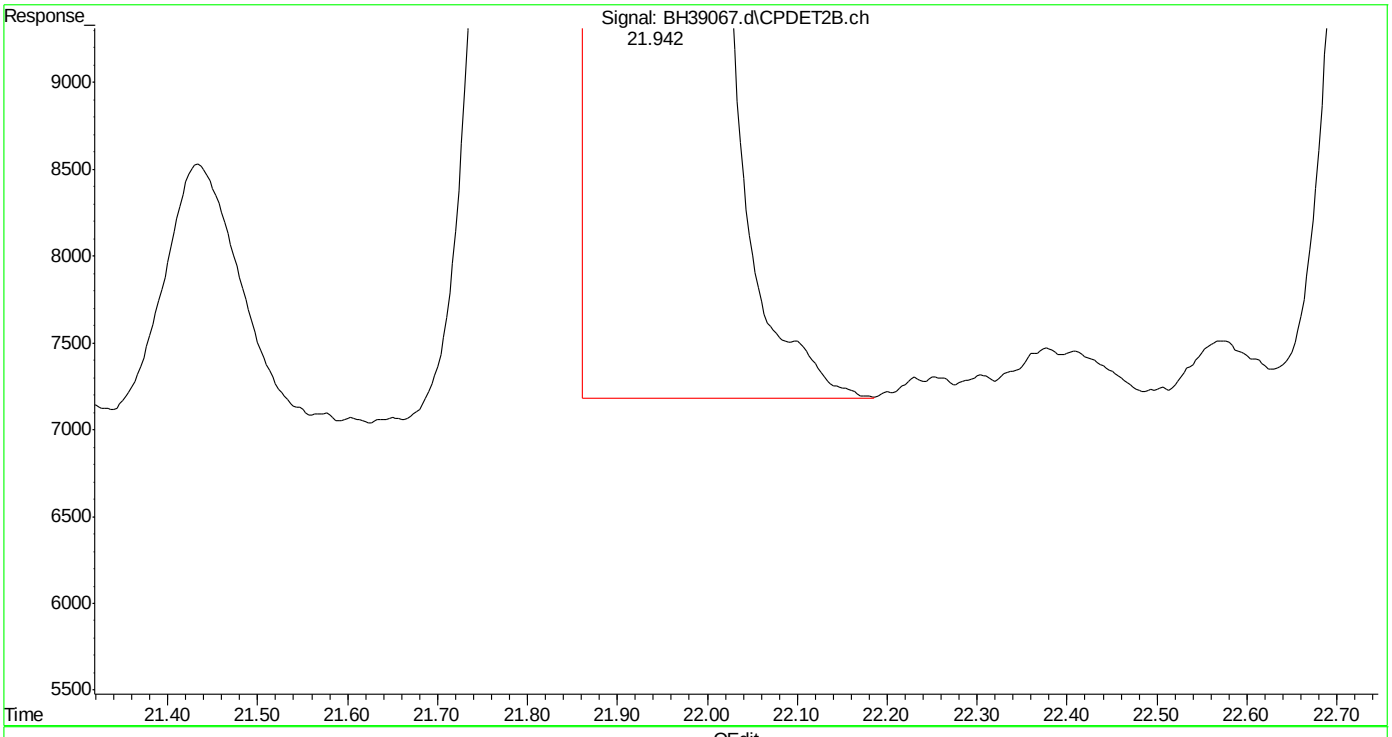
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(29) m,p-xylene #2 (t)
21.942min 2.090 ppb m
response 1414571

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:23 2016

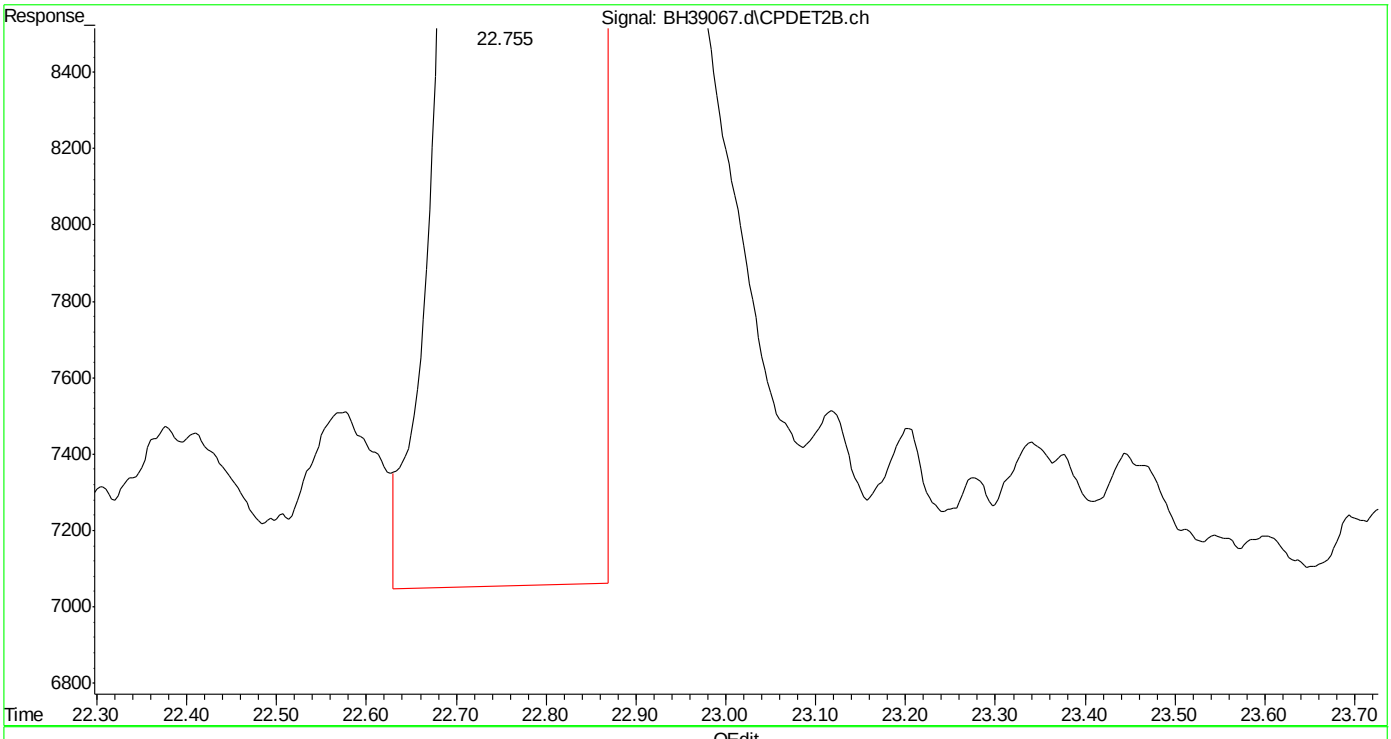
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.756min 1.135 ppb
response 668095

(+) = Expected Retention Time

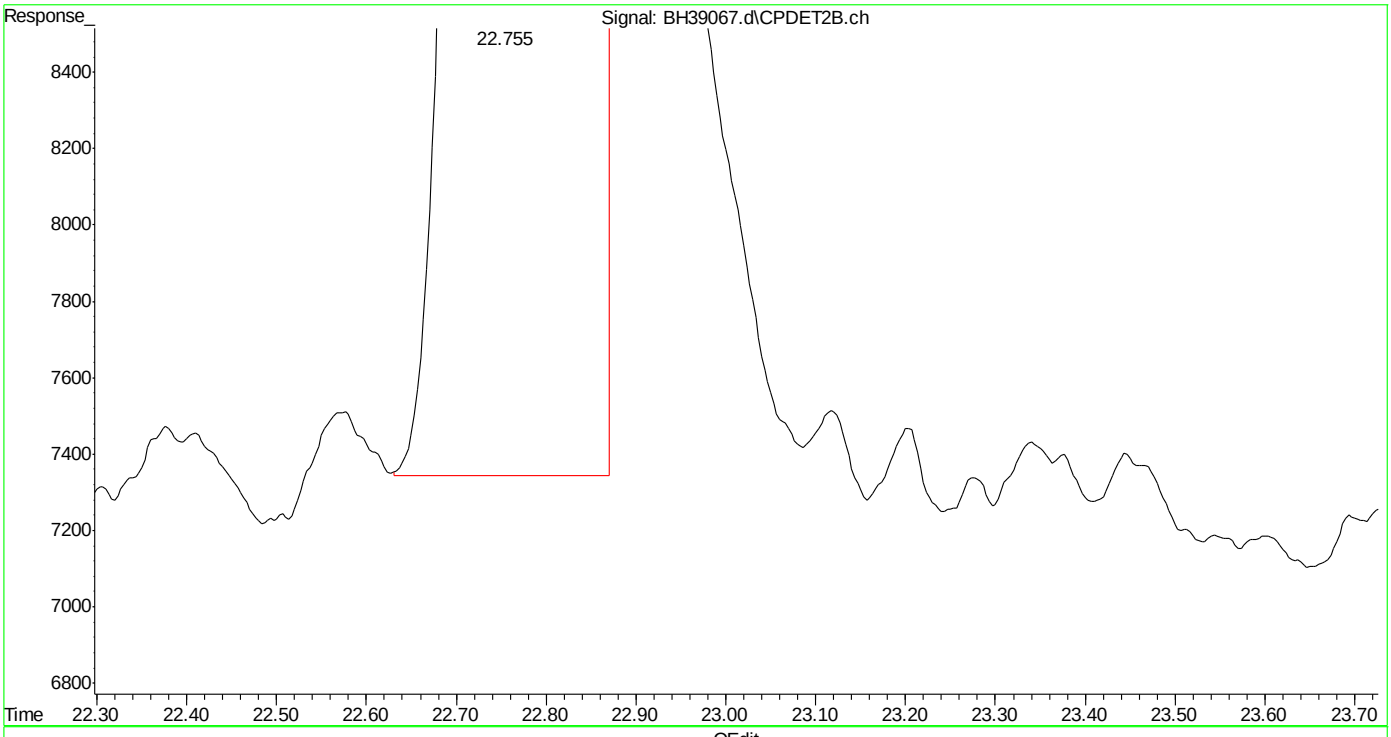
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(30) o-xylene #2 (t)
22.755min 1.064 ppb m
response 626025

(+) = Expected Retention Time

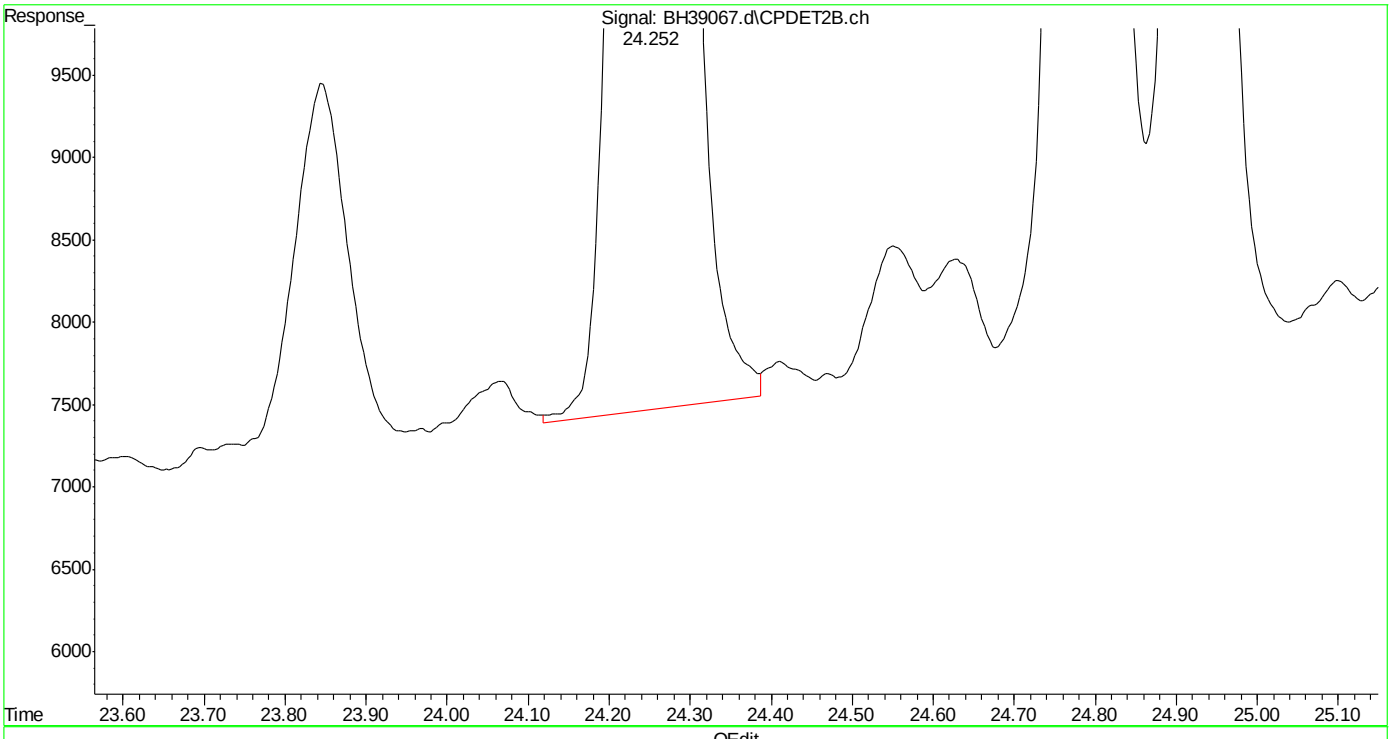
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.254min 1.104 ppb
response 938781

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:40 2016

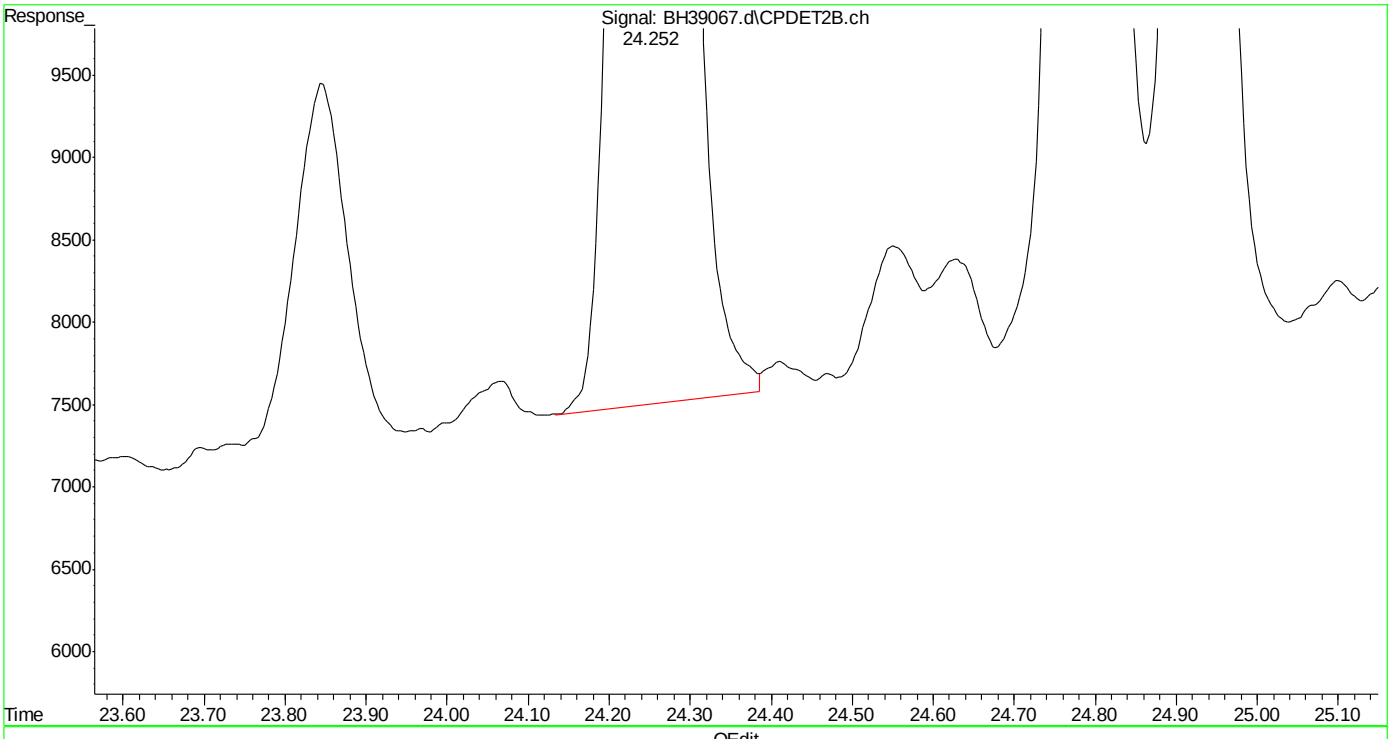
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(31) 1,3,5-trimethylbenzene #2 (t)
24.252min 1.097 ppb m
response 933232

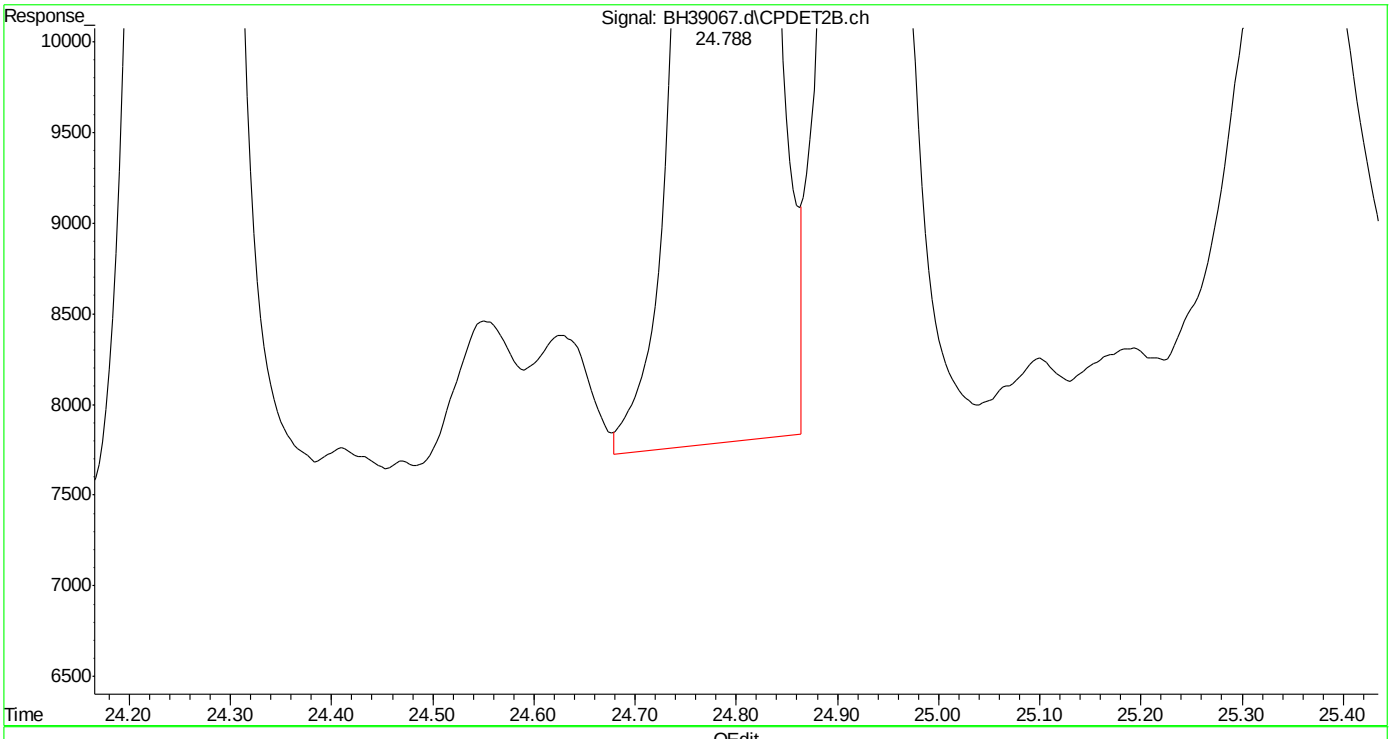
(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:19:55 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.789min 1.152 ppb
response 755144

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:20:00 2016

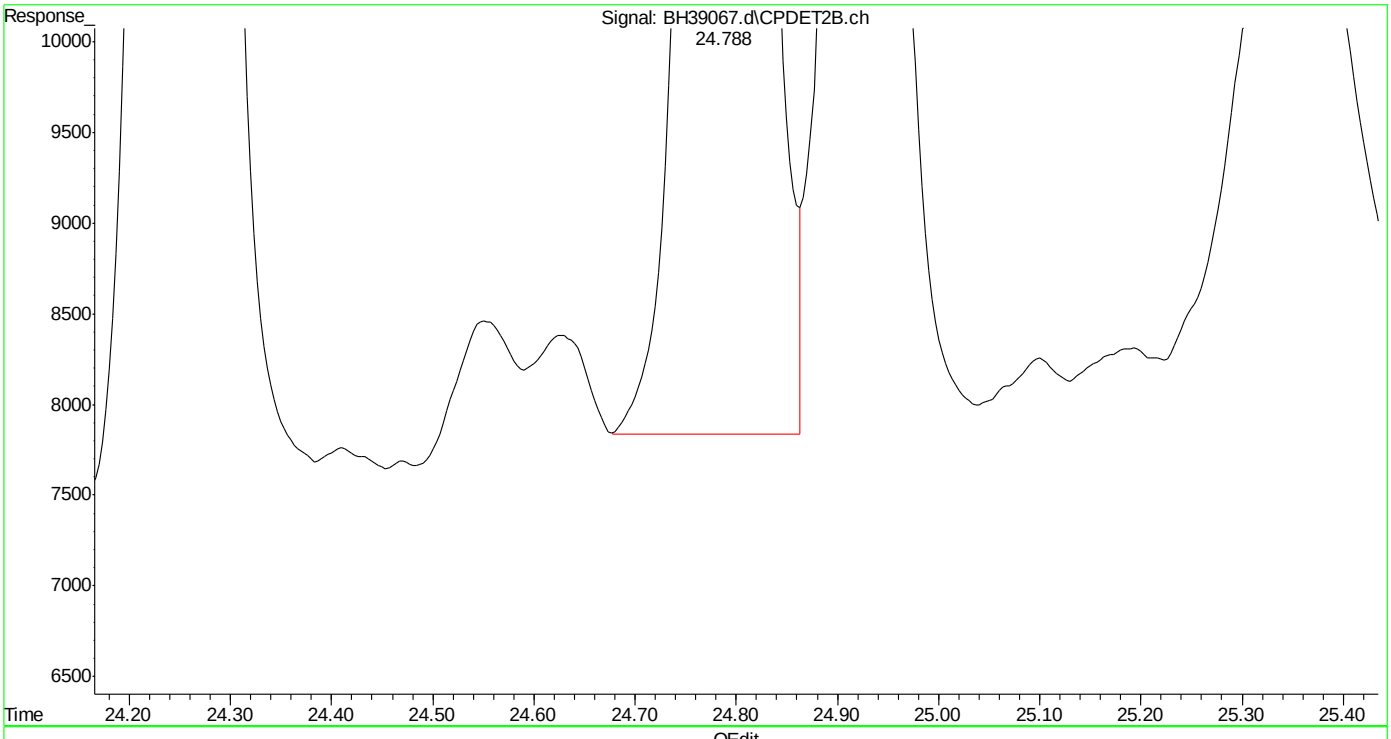
Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(32) 1,2,4-trimethylbenzene #2 (t)
24.788min 1.140 ppb m
response 747337

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:20:05 2016

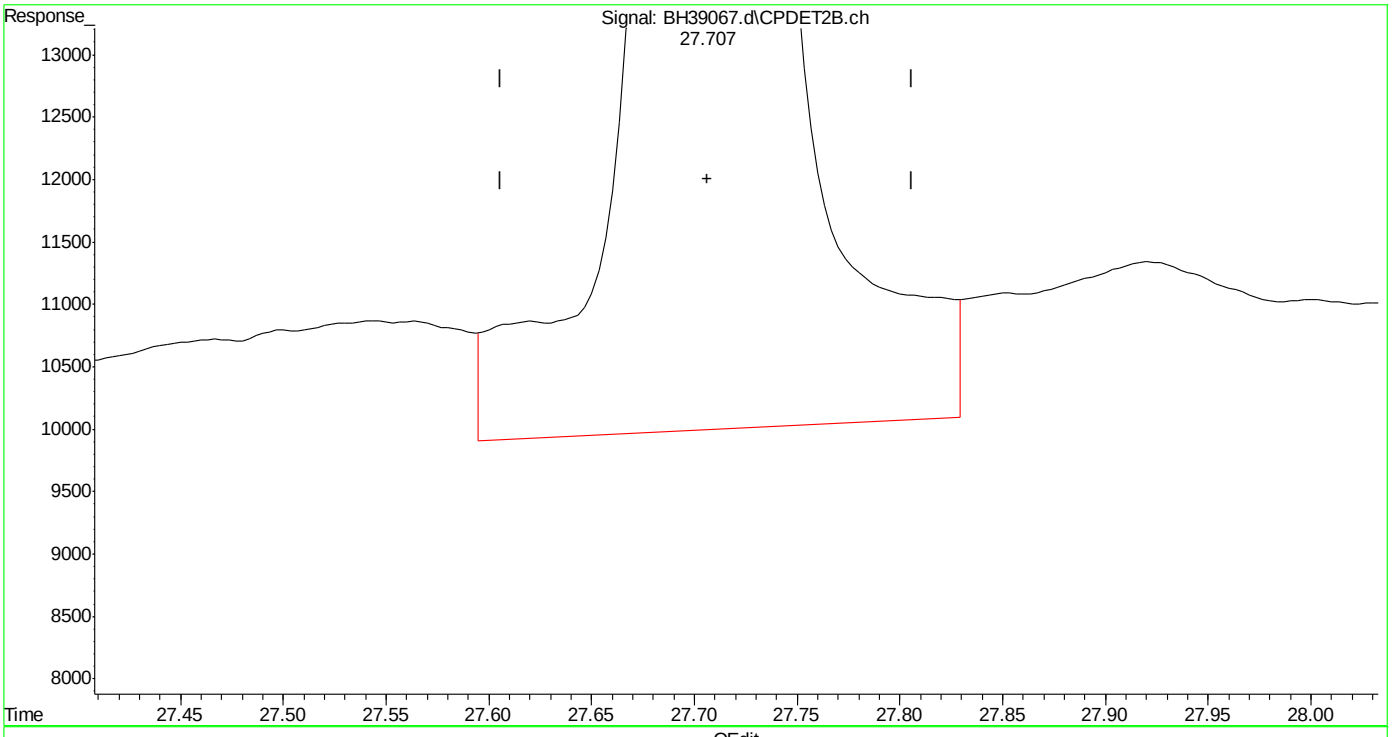
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.708min 1.345 ppb
response 779757

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:20:09 2016

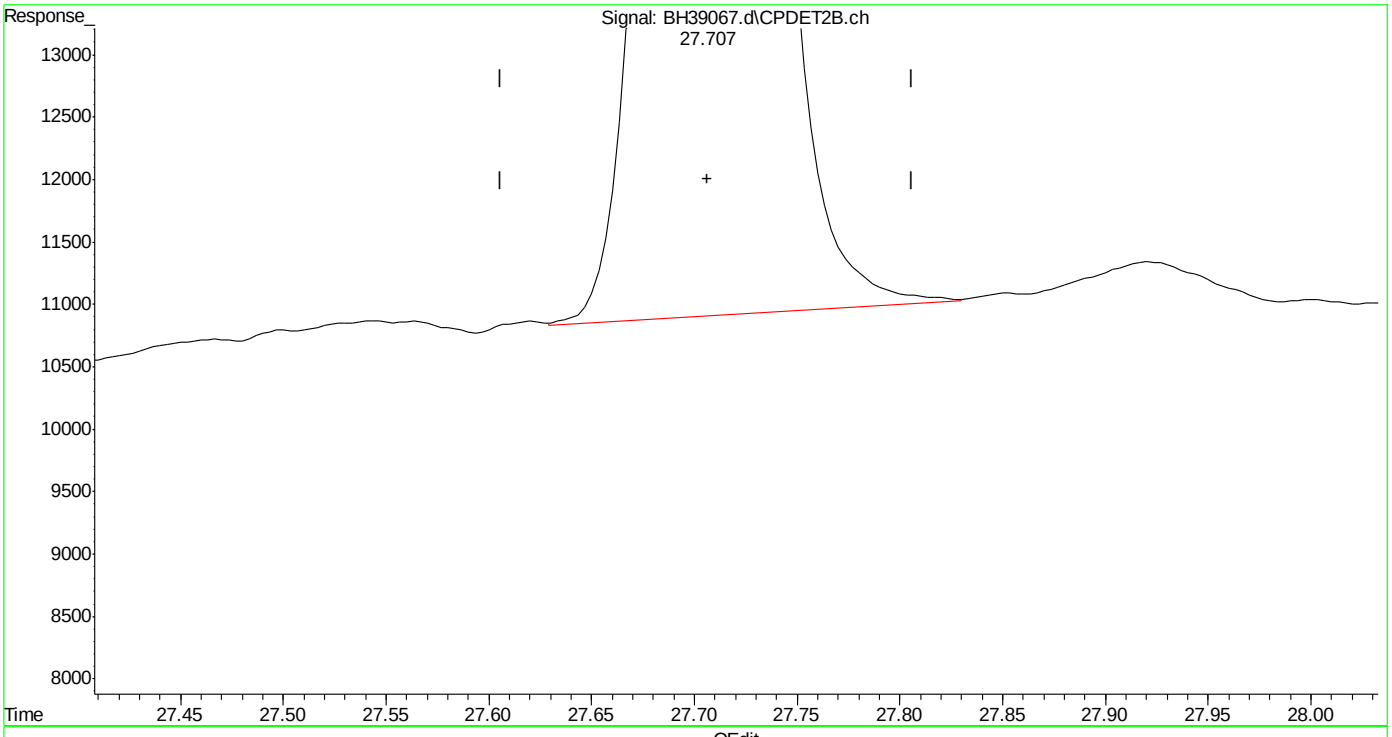
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39067.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 1:42 pm
Operator : danielf
Sample : ic2295-1
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:12:39 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vphmaster.m
Quant Title : vph - master
QLast Update : Wed Apr 20 13:47:01 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(33) naphthalene #2 (t)
27.707min 1.122 ppb m
response 650855

(+) = Expected Retention Time
bh160420vphmaster.m Wed Apr 20 14:20:13 2016 Page: 1

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
04/25/16 09:59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 15:04:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.669	44614983	47.515	ppb	m
Spiked Amount 50.000		Recovery = 95.03%			
6) s 2,3,4-trifluorotoluene	19.783	36893456	45.386	ppb	m
Spiked Amount 50.000		Recovery = 90.77%			
16) s fluorobenzene #2	14.669	19094327	46.982	ppb	m
Spiked Amount 50.000		Recovery = 93.96%			
18) s 2,3,4-trifluorotoluen...	19.783	11394429	44.864	ppb	m
Spiked Amount 50.000		Recovery = 89.73%			
Target Compounds					
1) h rt5.5-7	5.980	43811706	42.422	ppb	m
2) h rt7/10	8.250	47891443	46.373	ppb	m
3) h rt10/13	13.360	55554306	53.792	ppb	m
8) h rt20/25	21.460	50846882	42.275	ppb	m
10) h decane	23.856	50462628	41.956	ppb	m
11) h butylcyclohexane	24.940	56304959	46.813	ppb	m
14) t mtbe #2	9.014	13367156	47.536	ppb	m
15) t benzene #2	14.167	30424393	46.260	ppb	m
17) t toluene #2	18.664	28373340	46.009	ppb	m
19) t ethylbenzene #2	21.797	25470023	46.549	ppb	m
20) t m,p-xylene #2	21.941	61648428	92.421	ppb	m
21) t o-xylene #2	22.753	26324995	45.221	ppb	m
22) t 1,3,5-trimethylbenzen...	24.252	38855573	46.498	ppb	m
23) t 1,2,4-trimethylbenzen...	24.787	29522286	45.833	ppb	m
24) t naphthalene #2	27.707	26050435	47.650	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	29530406	45.852	ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

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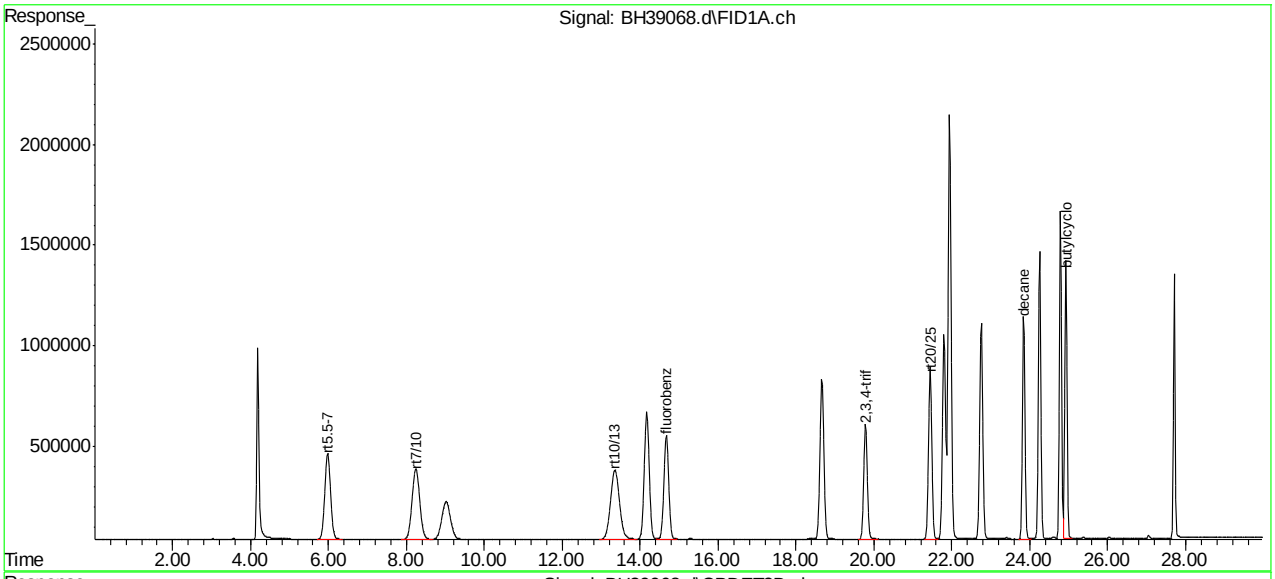
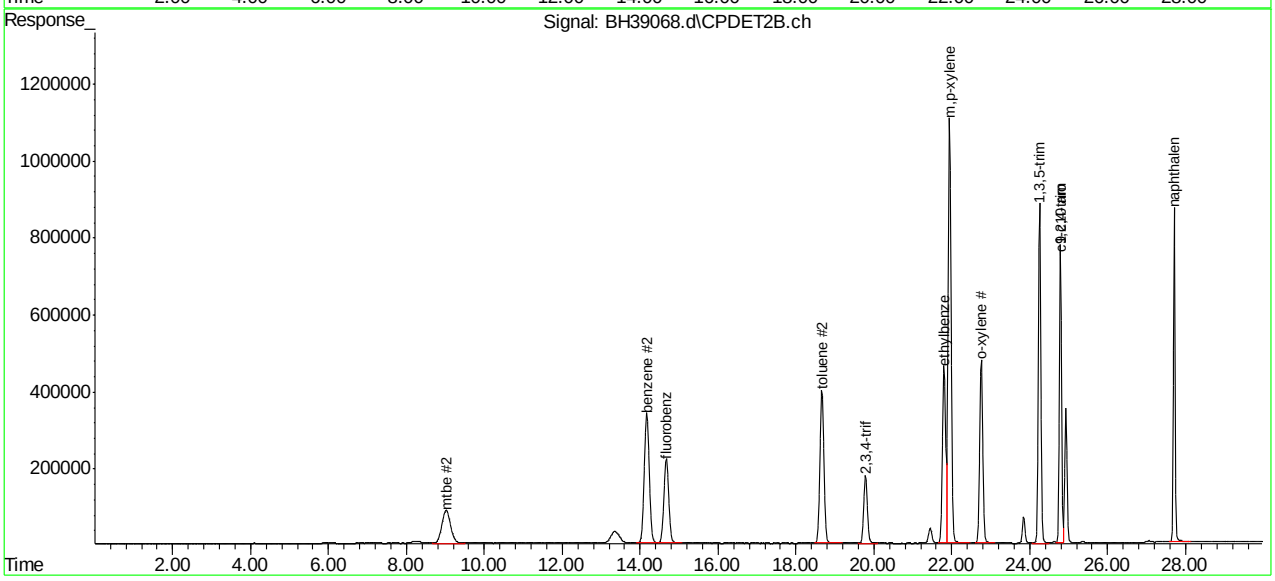
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

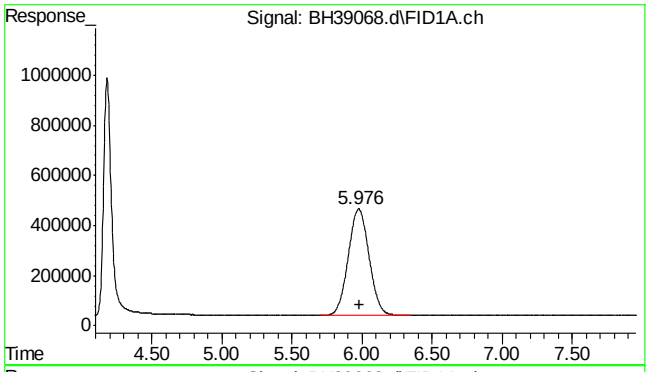
Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 15:04:35 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



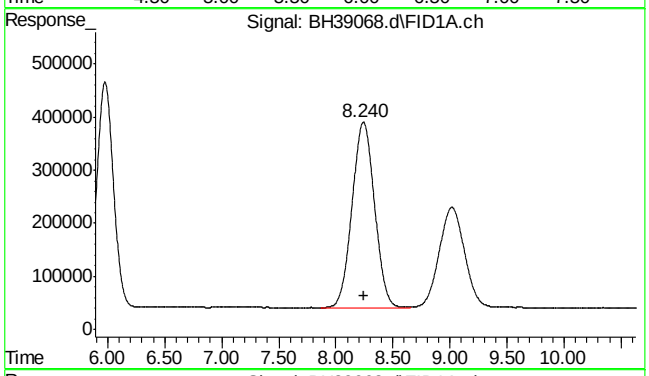


SGS ACCUTEST MC45857



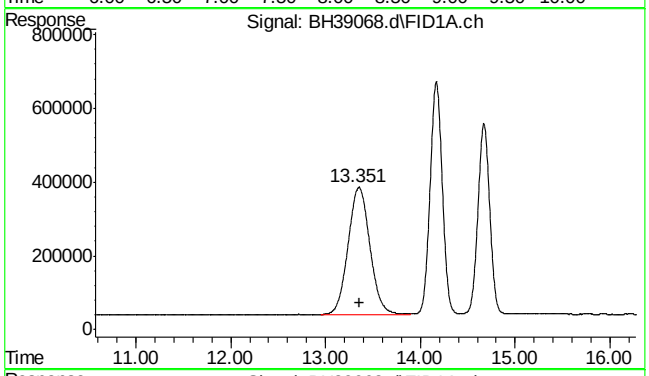
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 43811706
Conc: 42.42 ppb m



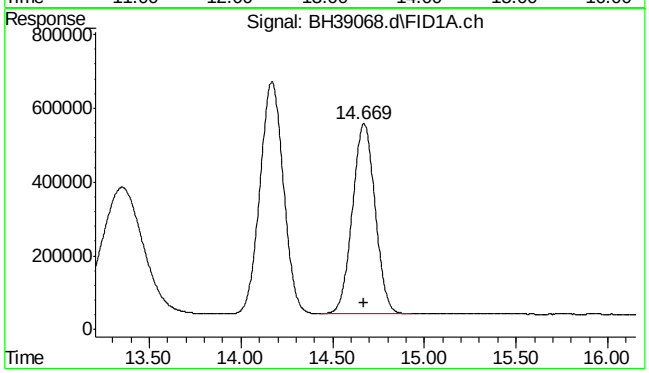
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 47891443
Conc: 46.37 ppb m



#3 rt10/13

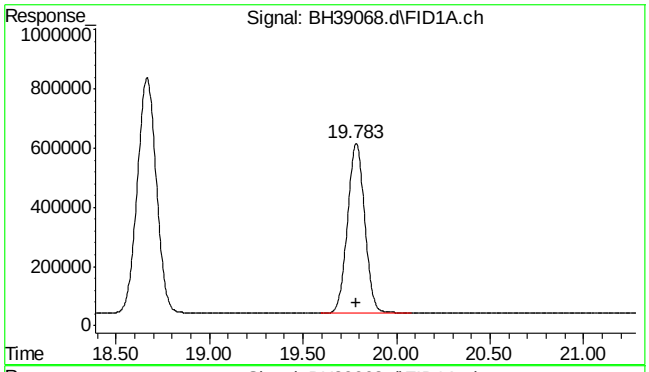
R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 55554306
Conc: 53.79 ppb m



#4 fluorobenzene

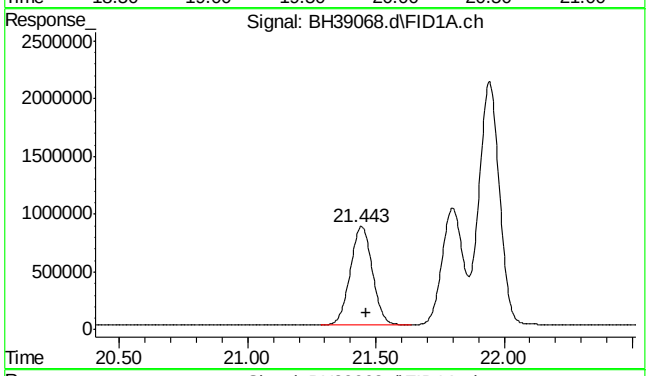
R.T.: 14.669 min
Delta R.T.: 0.000 min
Response: 44614983
Conc: 47.51 ppb m

SGS ACCUTEST MC45857



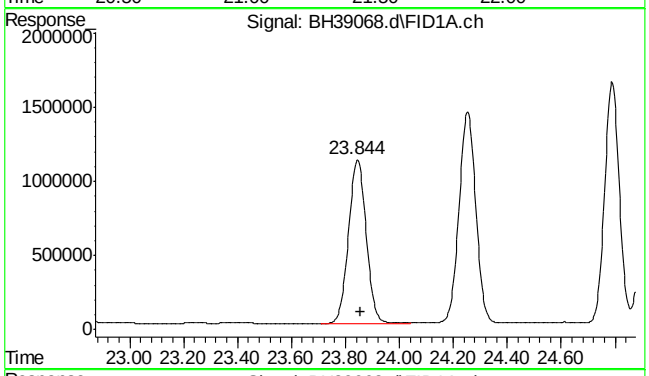
#6 2,3,4-trifluorotoluene

```
      R.T.:   19.783 min
Delta R.T.:    0.000 min
  Response:  36893456
      Conc:  45.39 ppb m
```



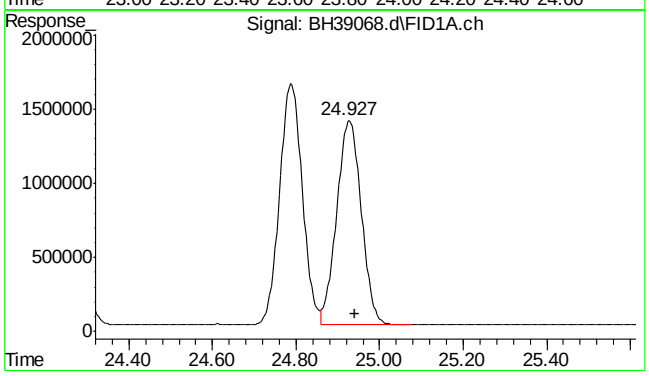
#8 rt20/25

```
      R.T.:   21.460 min
Delta R.T.:    0.000 min
  Response:  50846882
      Conc:  42.27 ppb m
```



#10 decane

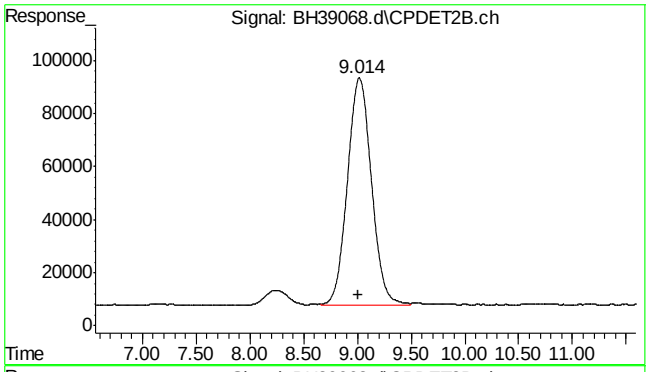
```
      R.T.:   23.856 min
Delta R.T.:    0.000 min
  Response:  50462628
      Conc:  41.96 ppb m
```



#11 butylcyclohexane

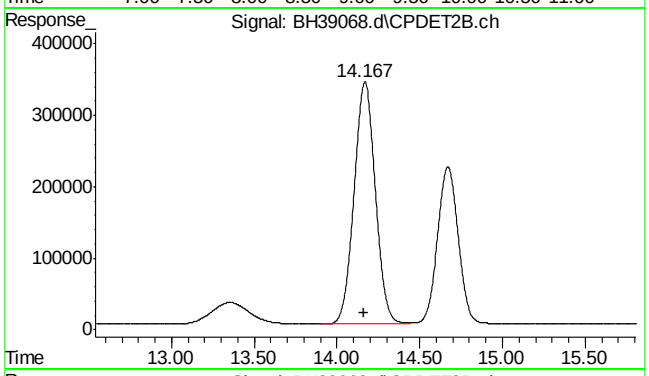
```
      R.T.:   24.940 min
Delta R.T.:    0.000 min
  Response:  56304959
      Conc:  46.81 ppb m
```


SGS ACCUTEST MC45857



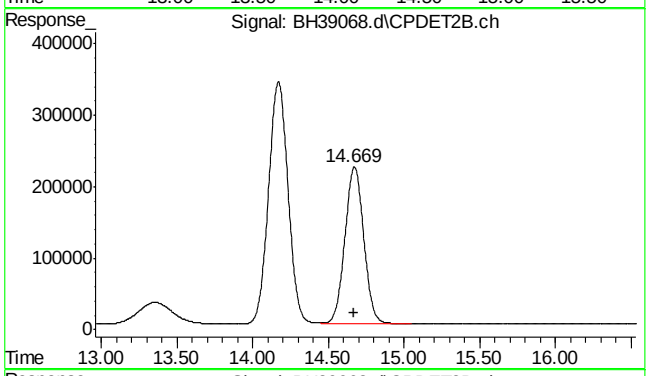
#14 mtbe #2

R.T.: 9.014 min
Delta R.T.: 0.001 min
Response: 13367156
Conc: 47.54 ppb m



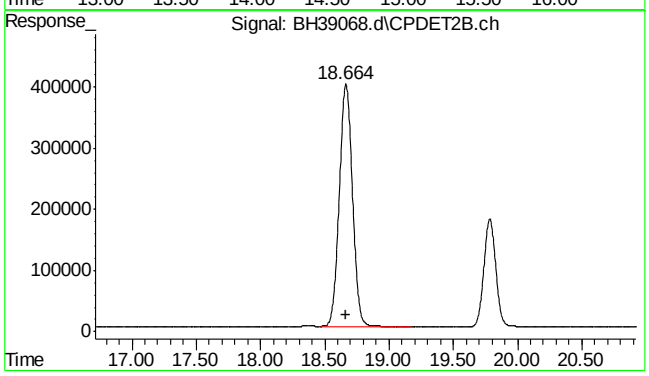
#15 benzene #2

R.T.: 14.167 min
Delta R.T.: 0.001 min
Response: 30424393
Conc: 46.26 ppb m



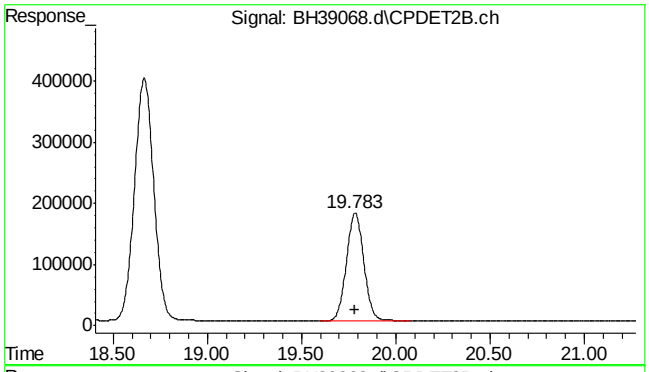
#16 fluorobenzene #2

R.T.: 14.669 min
Delta R.T.: 0.001 min
Response: 19094327
Conc: 46.98 ppb m



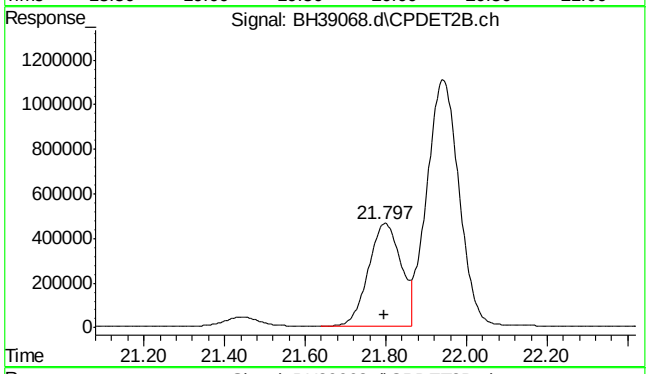
#17 toluene #2

R.T.: 18.664 min
Delta R.T.: 0.000 min
Response: 28373340
Conc: 46.01 ppb m



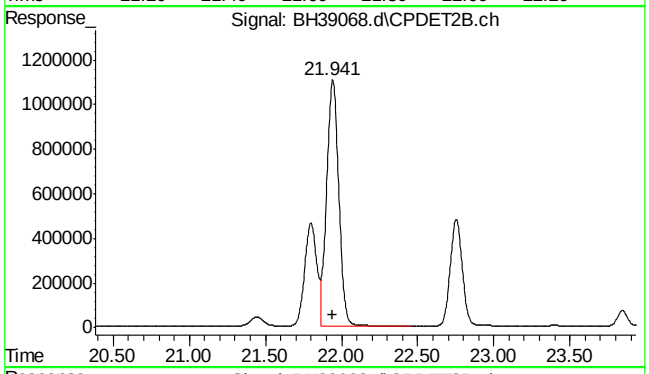
#18 2,3,4-trifluorotoluene #2

R.T.: 19.783 min
Delta R.T.: 0.000 min
Response: 11394429
Conc: 44.86 ppb m



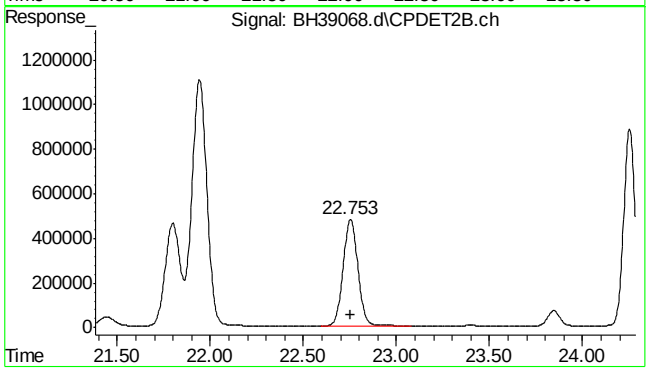
#19 ethylbenzene #2

R.T.: 21.797 min
Delta R.T.: 0.000 min
Response: 25470023
Conc: 46.55 ppb m



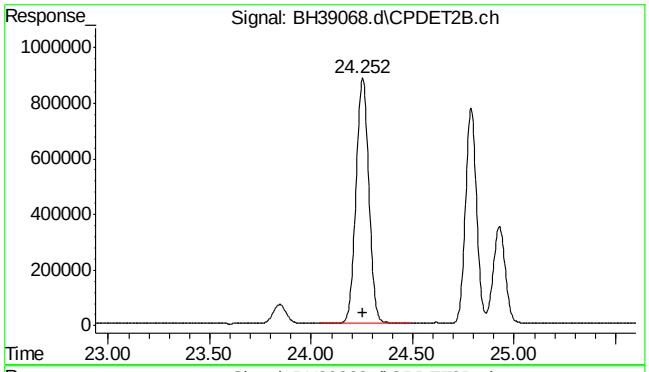
#20 m,p-xylene #2

R.T.: 21.941 min
Delta R.T.: 0.000 min
Response: 61648428
Conc: 92.42 ppb m



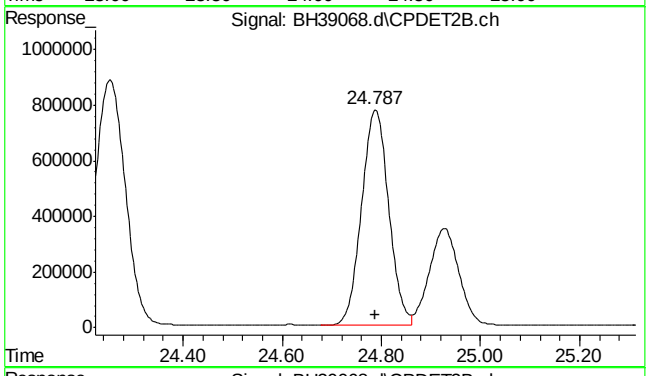
#21 o-xylene #2

R.T.: 22.753 min
Delta R.T.: 0.000 min
Response: 26324995
Conc: 45.22 ppb m



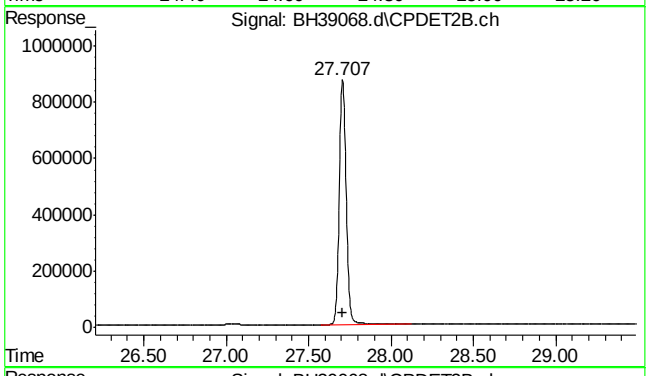
#22 1,3,5-trimethylbenzene #2

R.T.: 24.252 min
Delta R.T.: 0.000 min
Response: 38855573
Conc: 46.50 ppb m



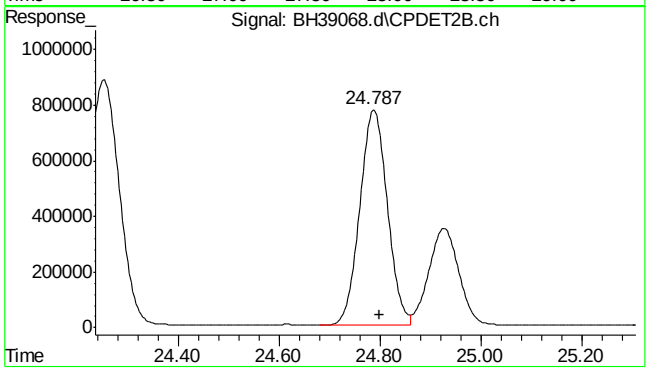
#23 1,2,4-trimethylbenzene #2

R.T.: 24.787 min
Delta R.T.: 0.000 min
Response: 29522286
Conc: 45.83 ppb m



#24 naphthalene #2

R.T.: 27.707 min
Delta R.T.: 0.001 min
Response: 26050435
Conc: 47.65 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 29530406
Conc: 45.85 ppb m

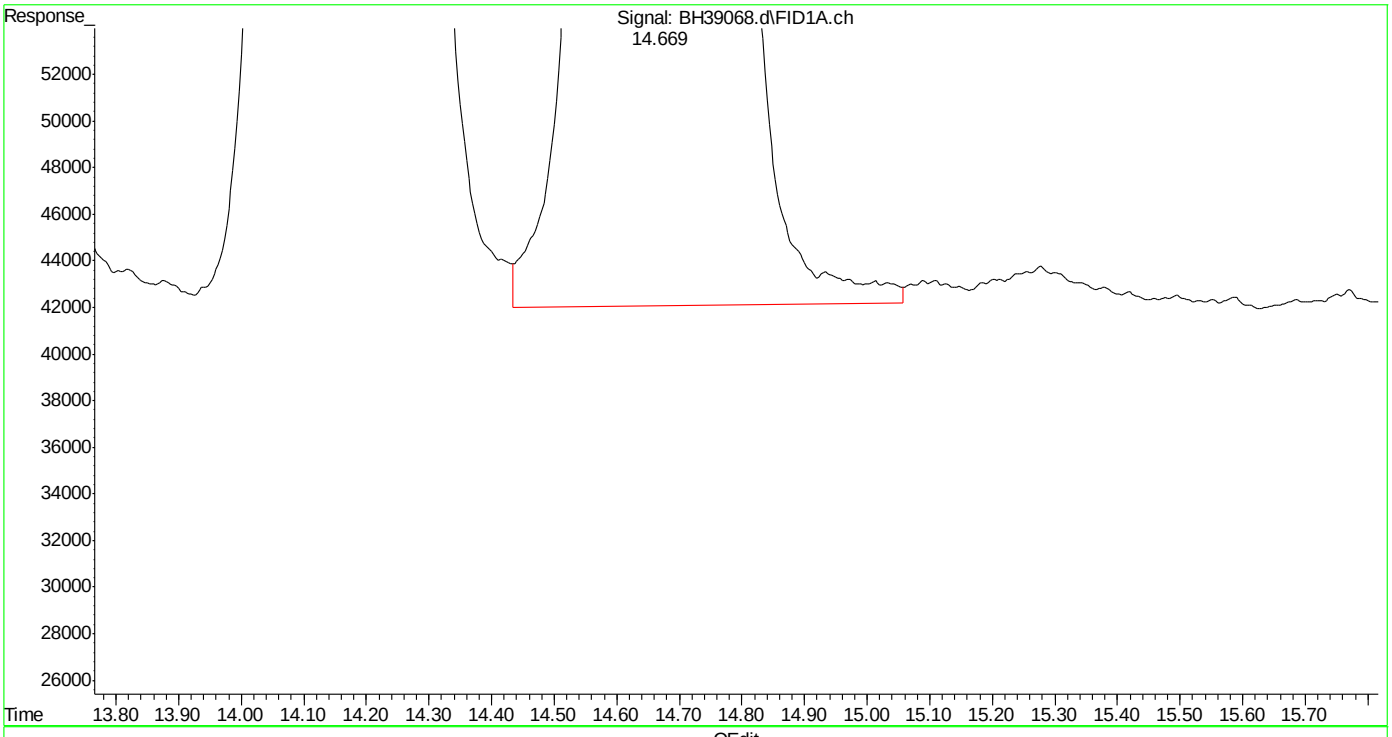
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 47.740 ppb
response 44826212

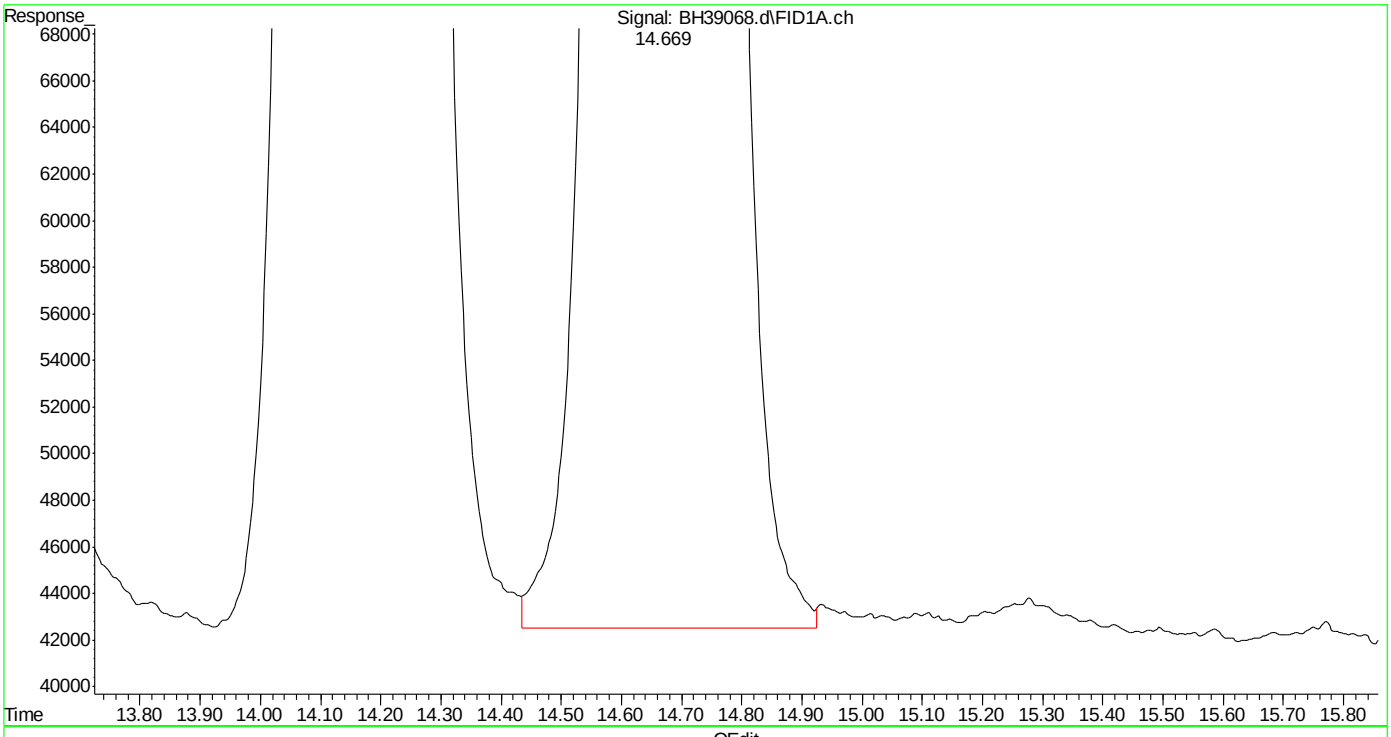
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:01:07 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.669min 47.515 ppb m
response 44614983

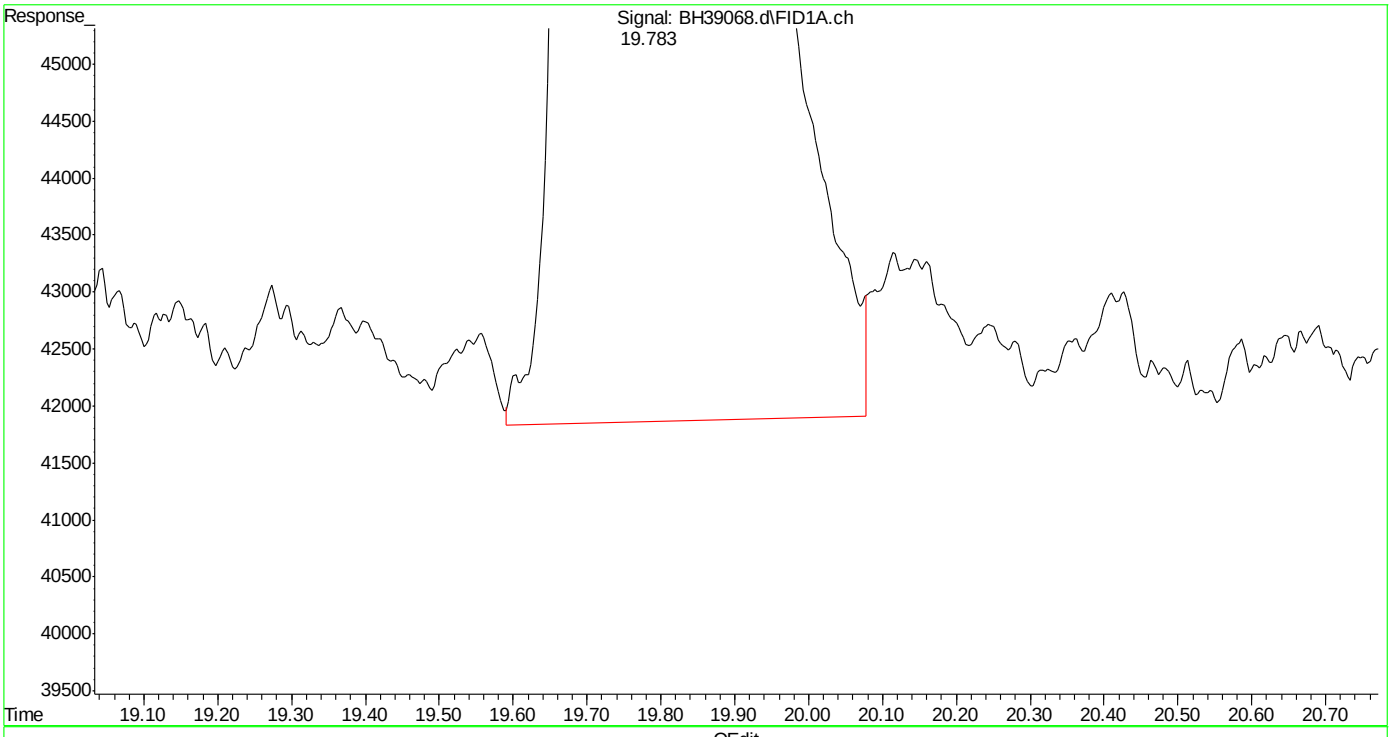
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:01:23 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 45.417 ppb
response 36918709

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:01:29 2016

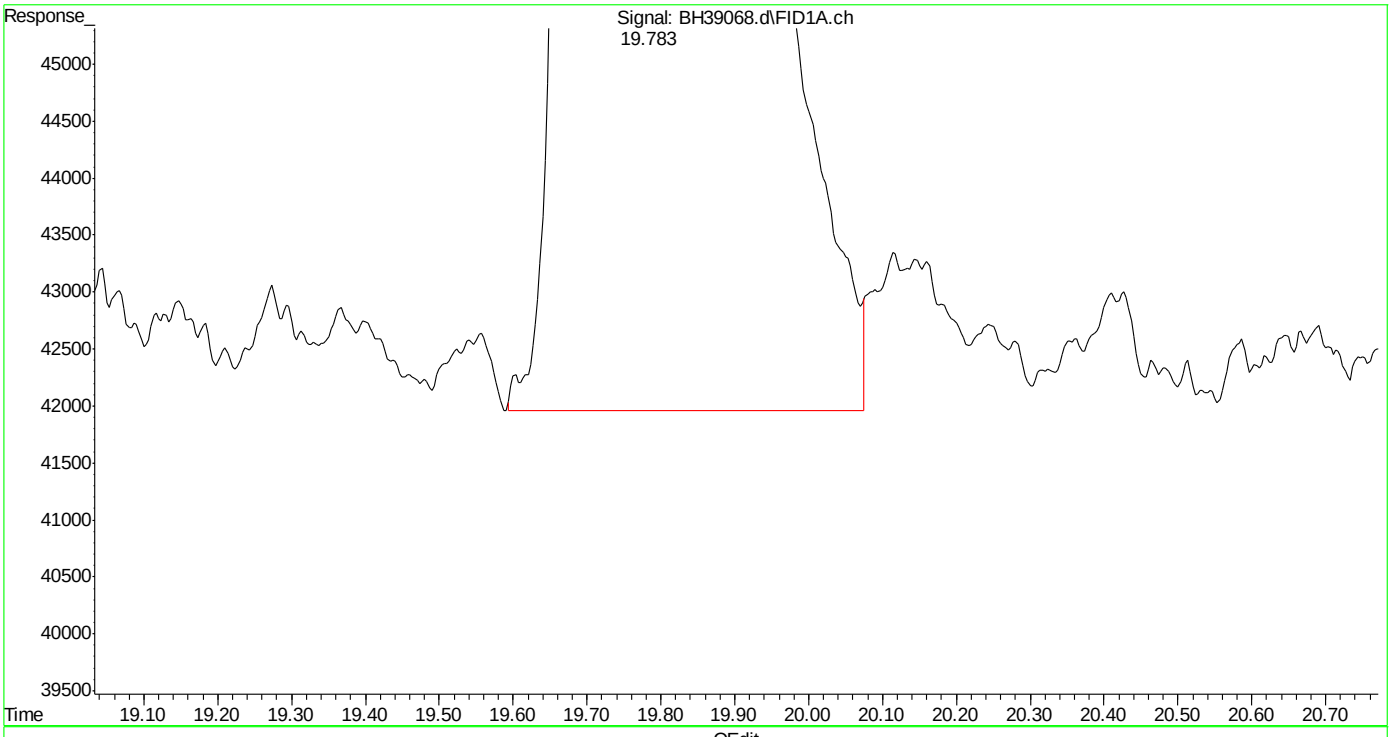
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.783min 45.386 ppb m
response 36893456

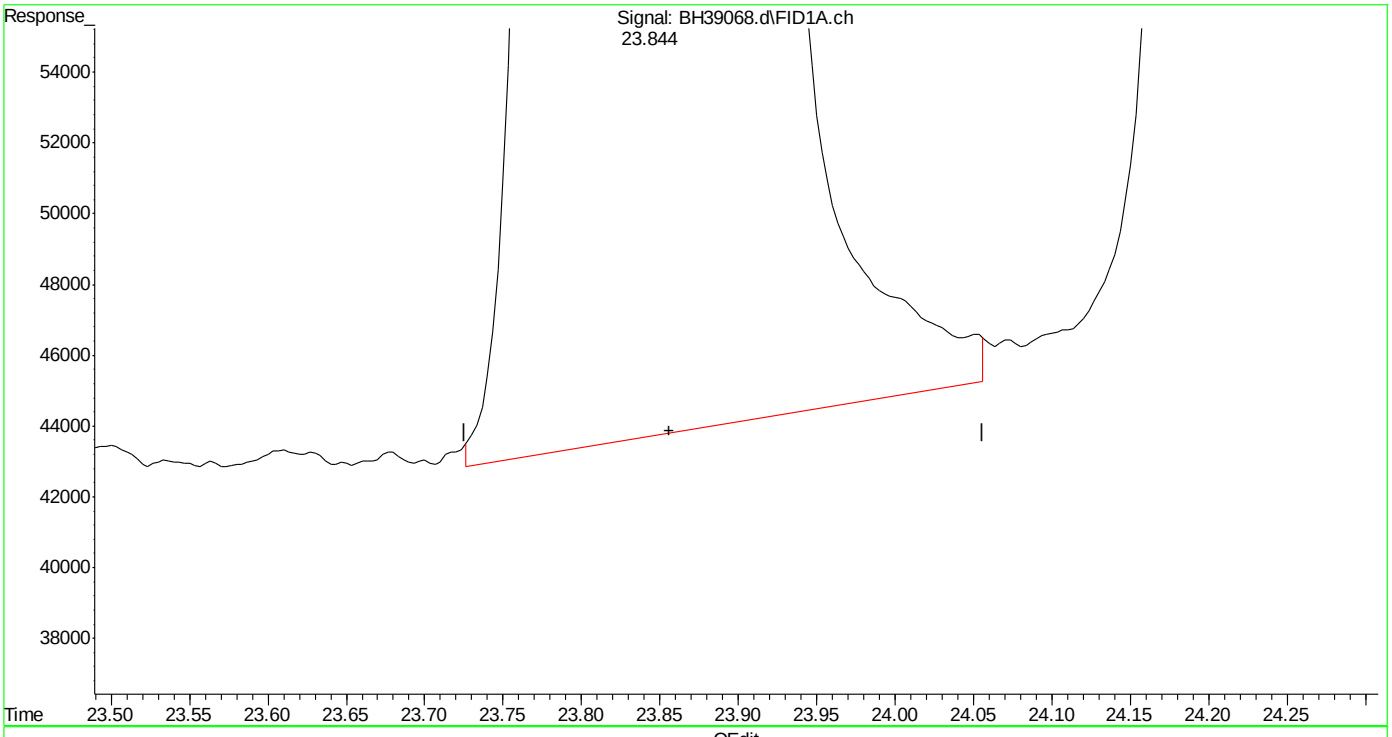
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:01:35 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 41.791 ppb
response 50264773

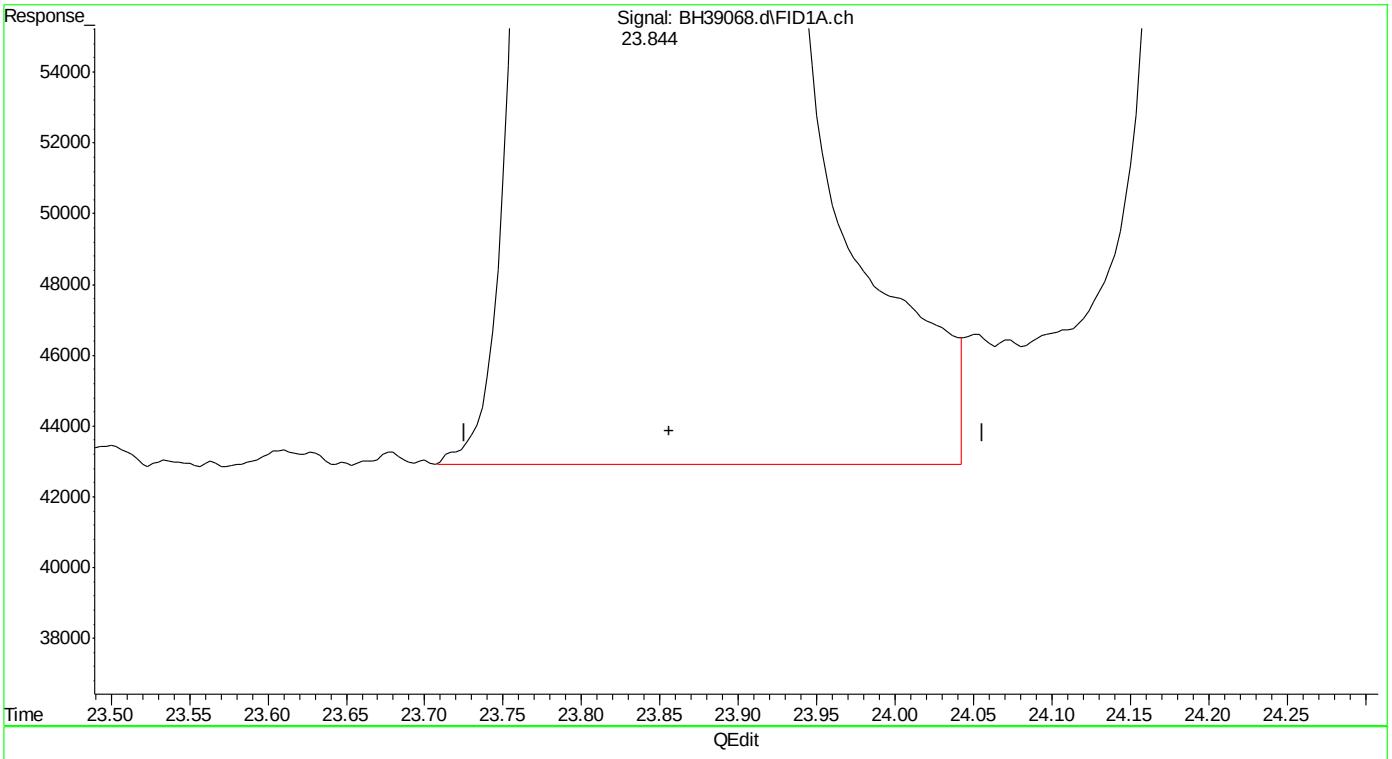
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 41.956 ppb m
response 50462628

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:01:56 2016

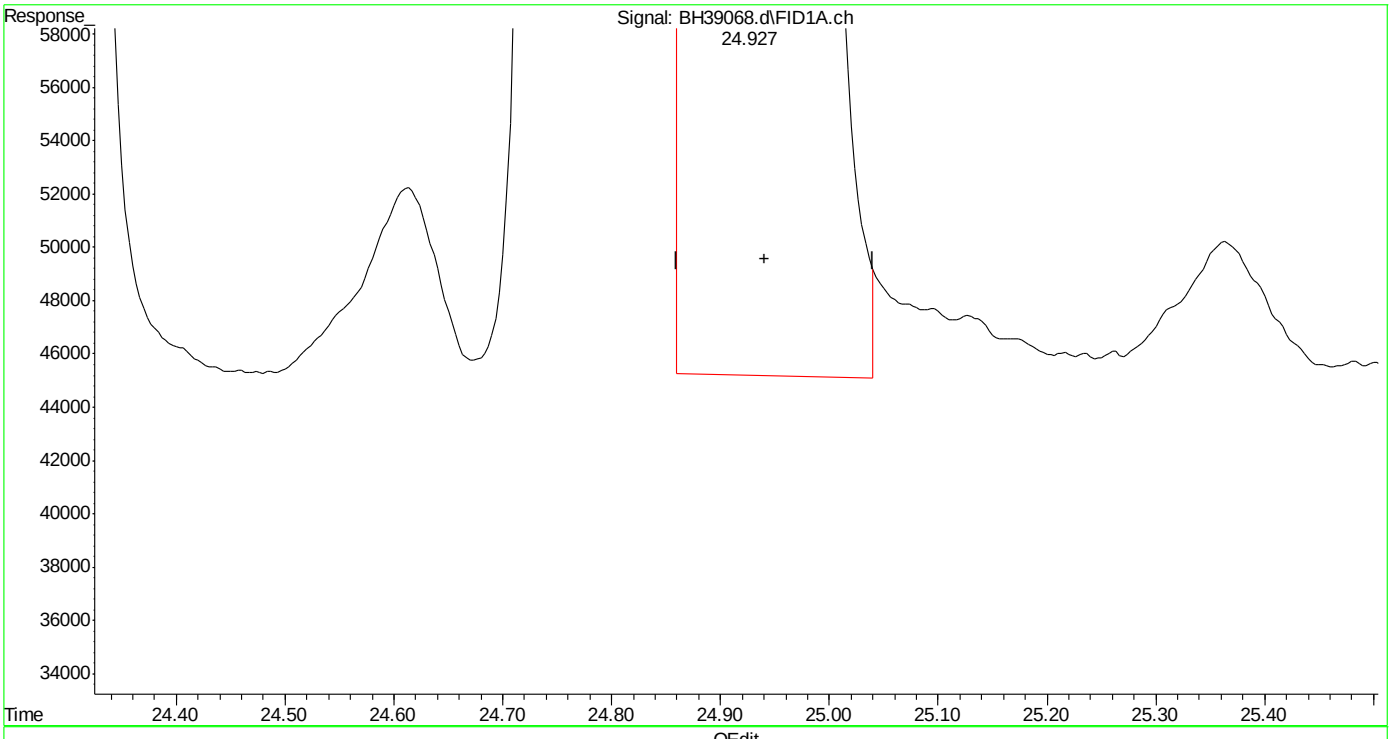
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 46.528 ppb
response 55961817

(+) = Expected Retention Time

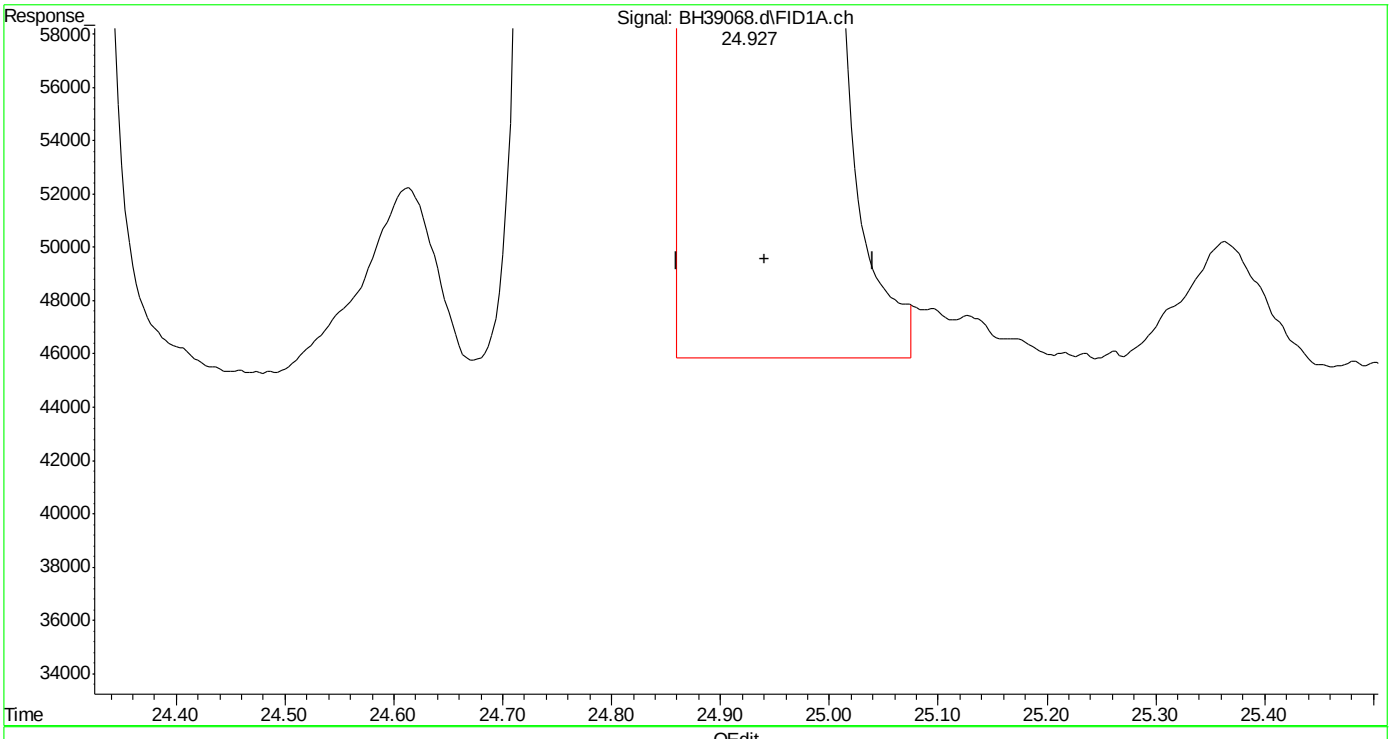
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 46.813 ppb m
response 56304959

(+) = Expected Retention Time

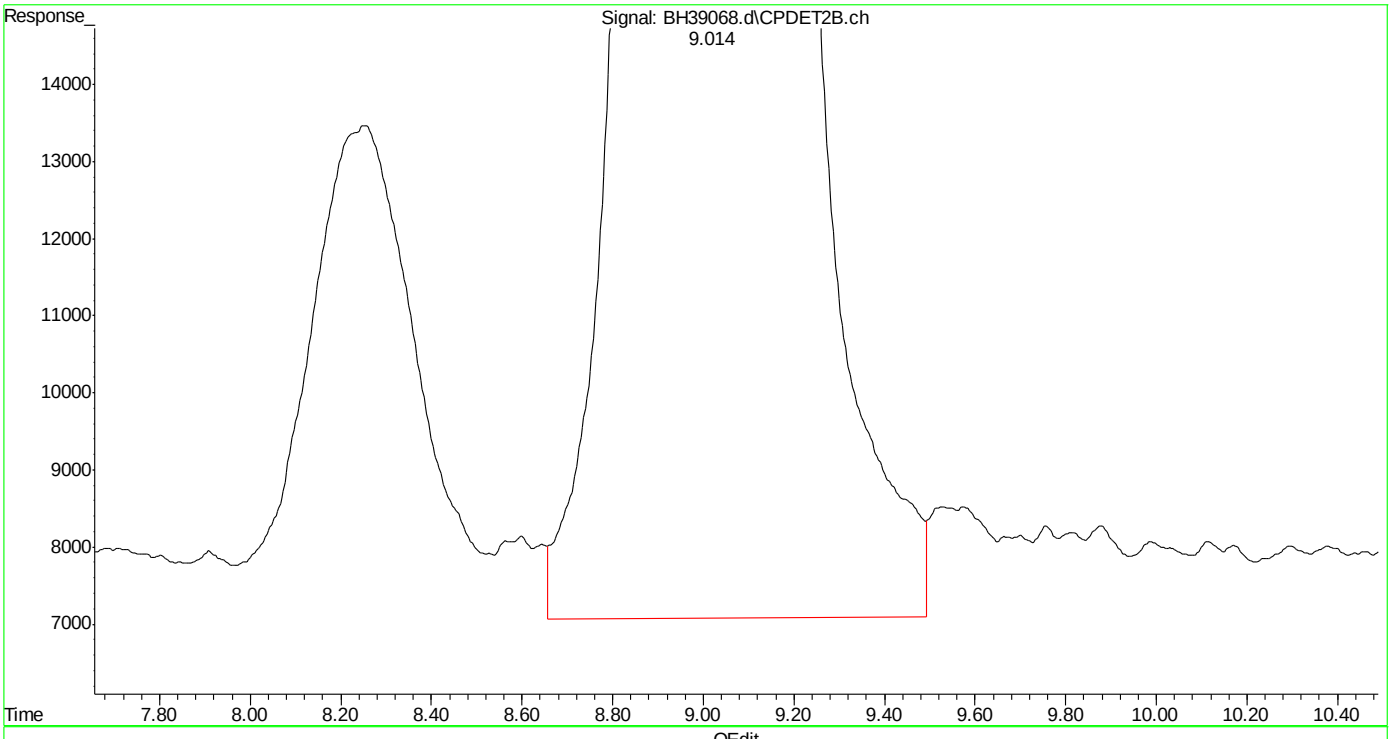
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.016min 48.715 ppb
response 13698579

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:13 2016

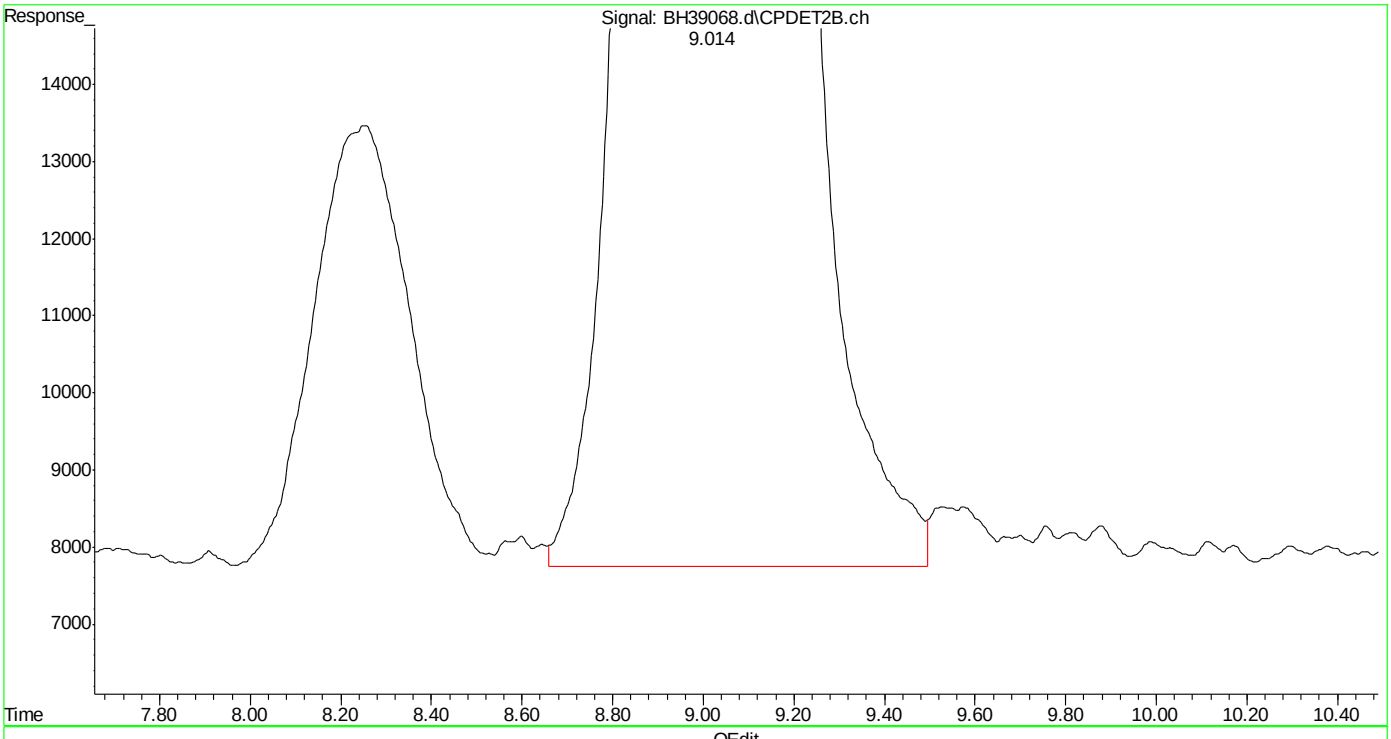
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.014min 47.536 ppb m
response 13367156

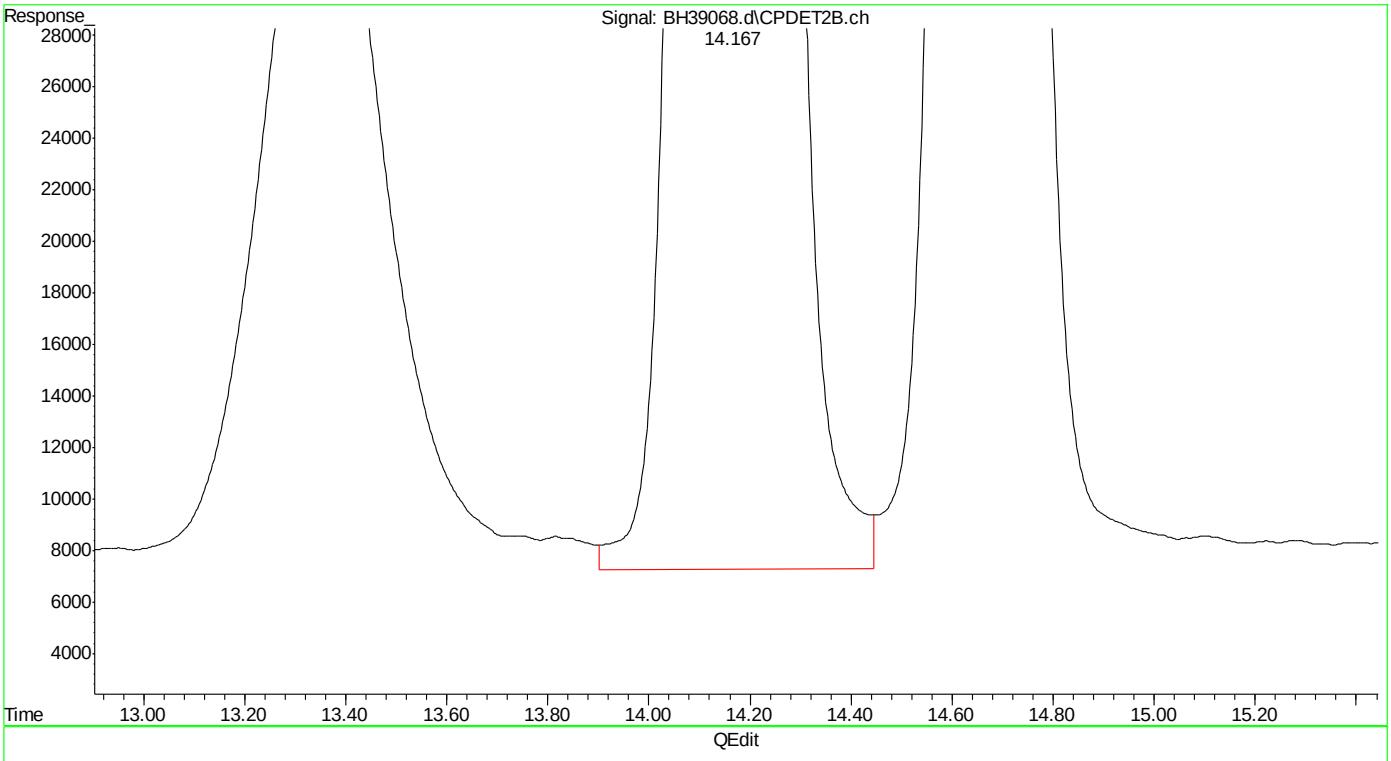
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:20 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.169min 46.611 ppb
response 30655000

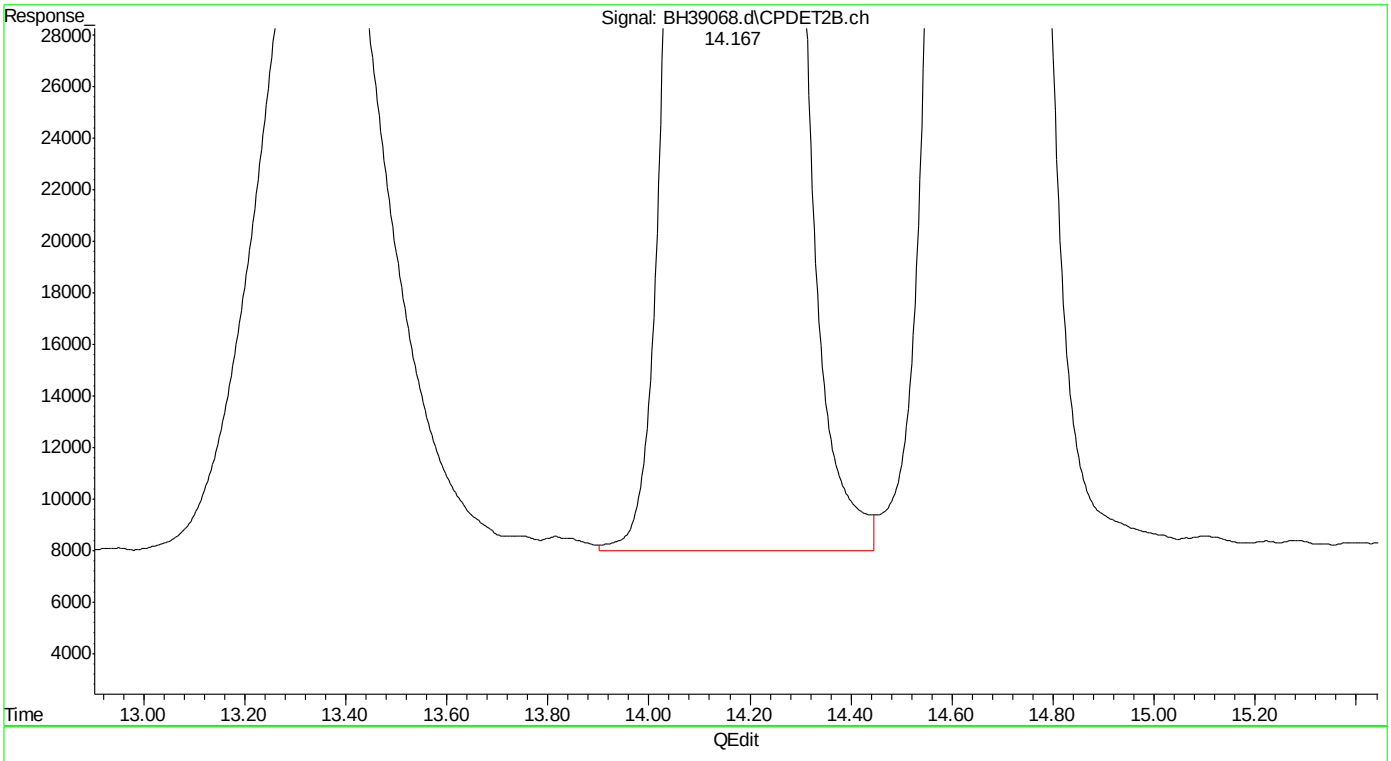
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:24 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.167min 46.260 ppb m
response 30424393

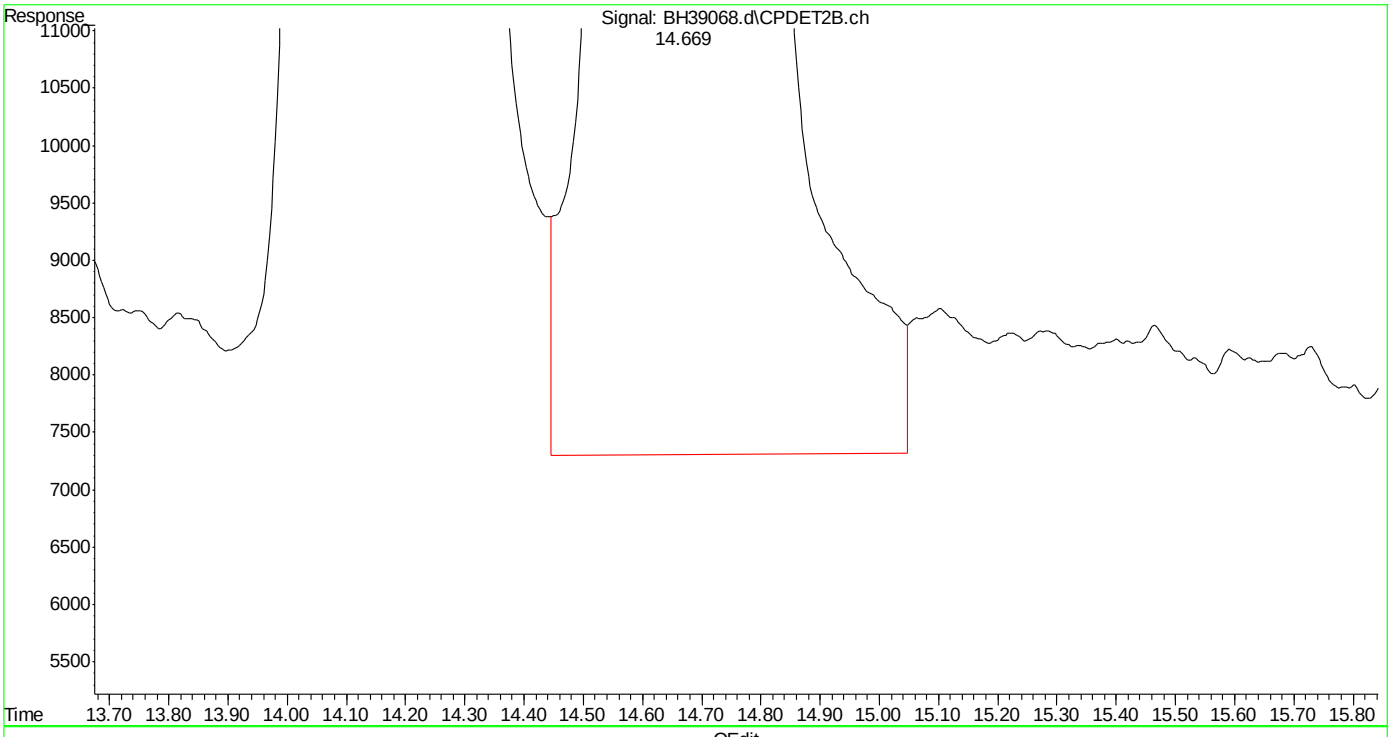
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:34 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 47.800 ppb
response 19426568

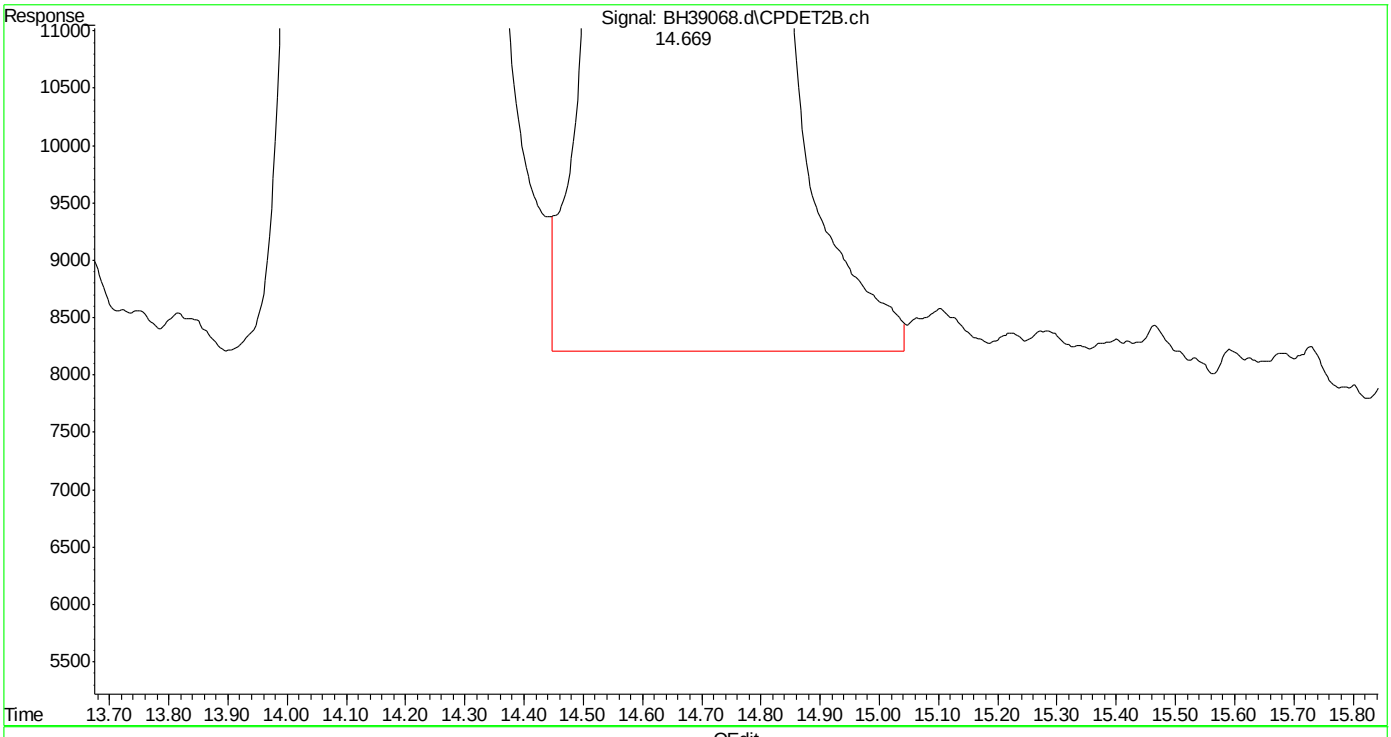
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:39 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.669min 46.982 ppb m
response 19094327

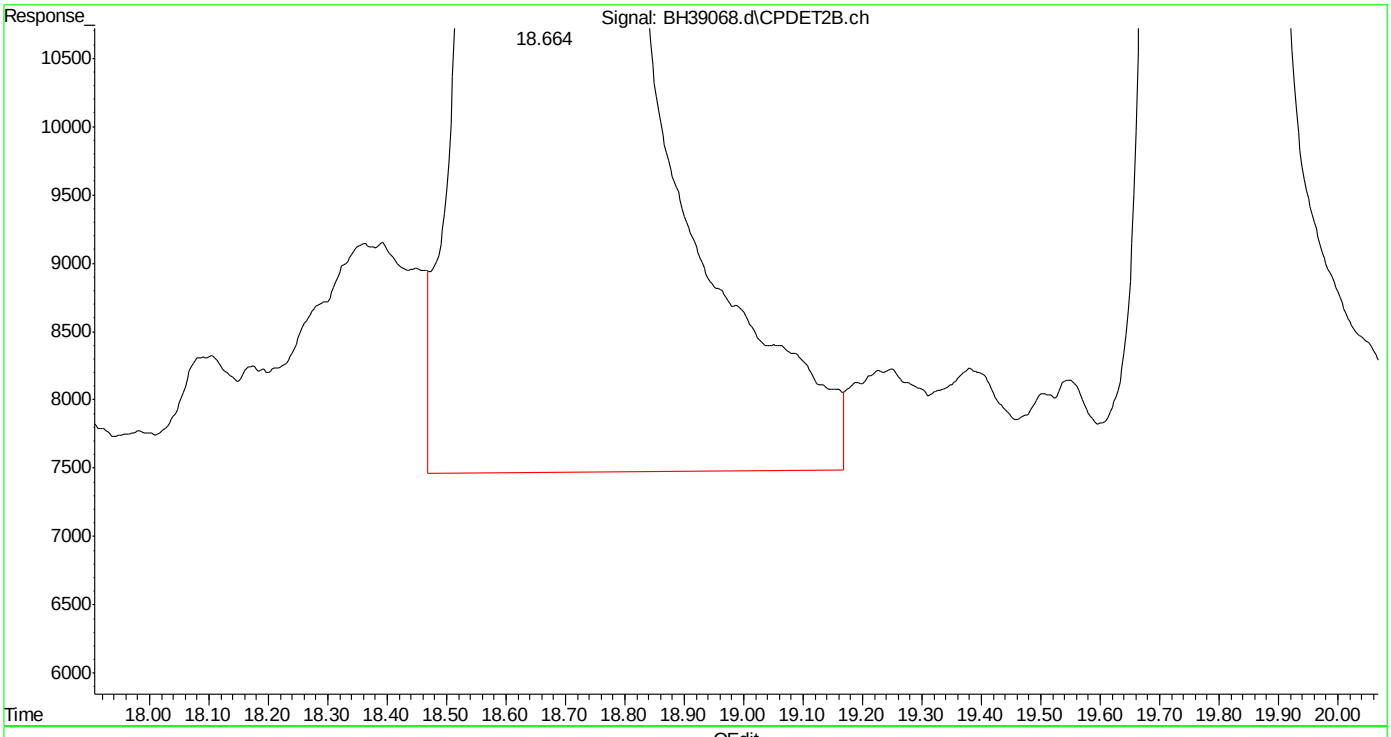
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.666min 46.392 ppb
response 28609152

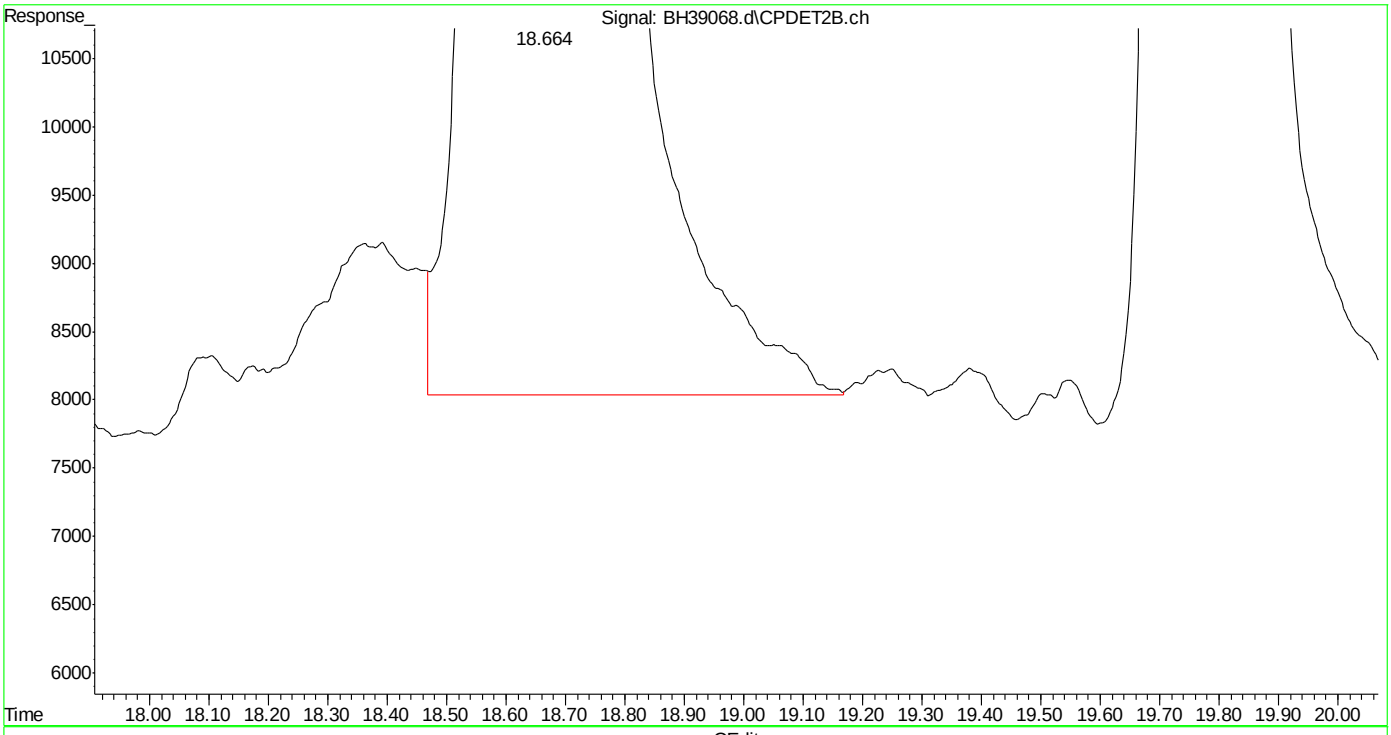
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:50 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.664min 46.009 ppb m
response 28373340

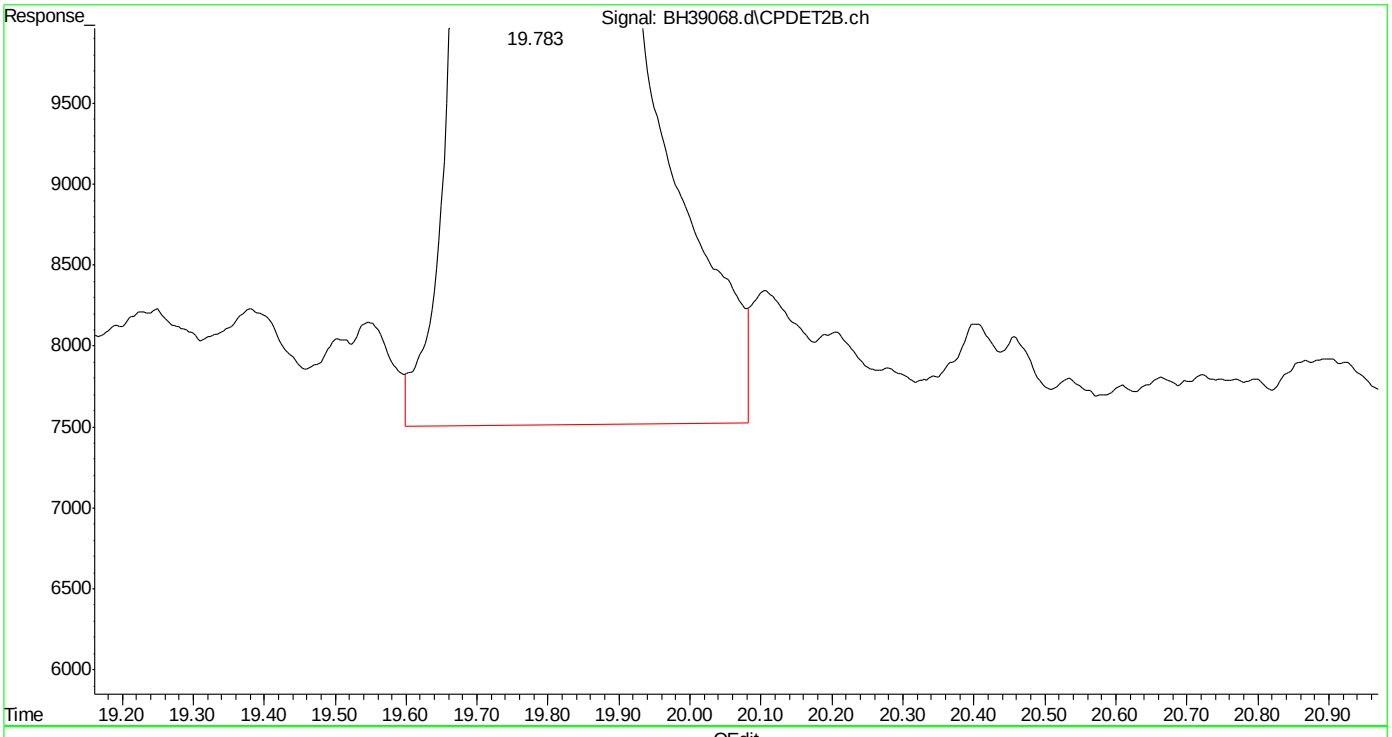
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:02:56 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 45.215 ppb
response 11483572

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:00 2016

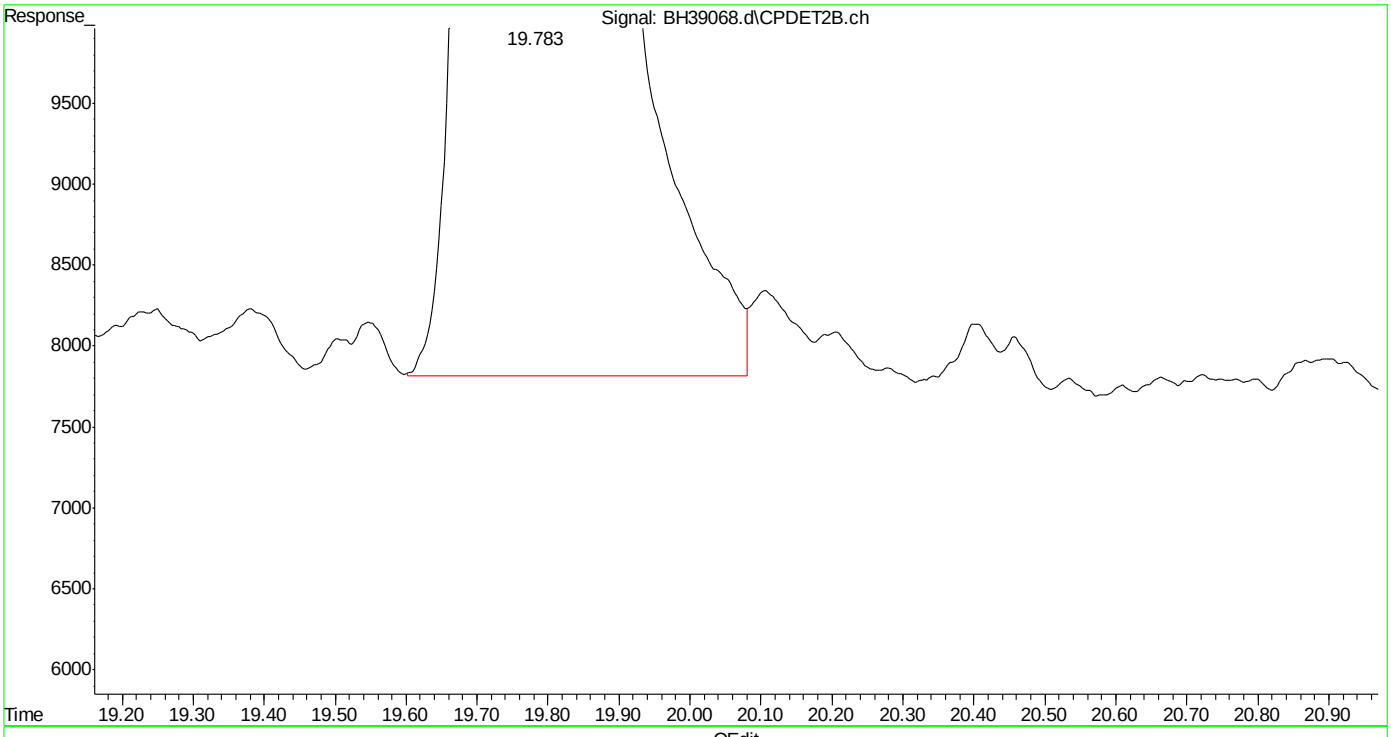
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.783min 44.864 ppb m
response 11394429

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:07 2016

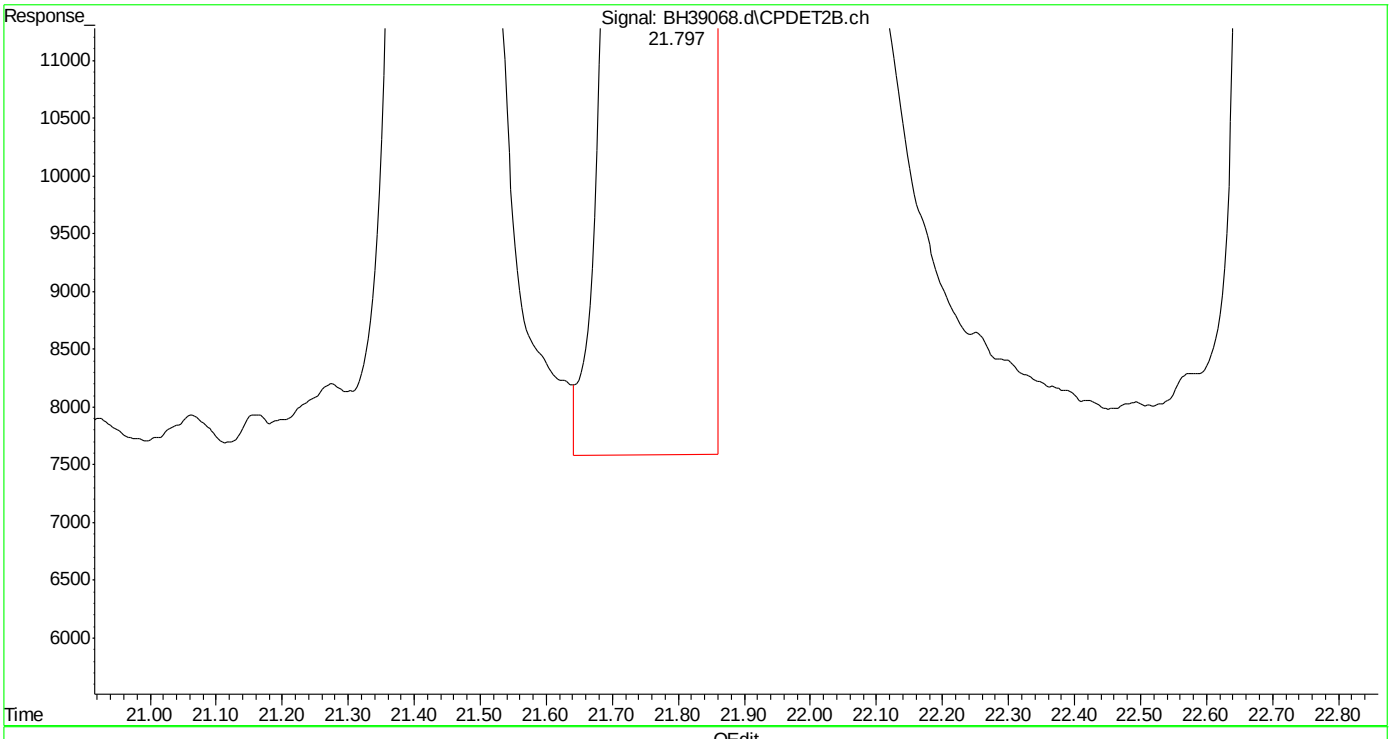
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) ethylbenzene #2 (t)
21.799min 46.178 ppb
response 25266958

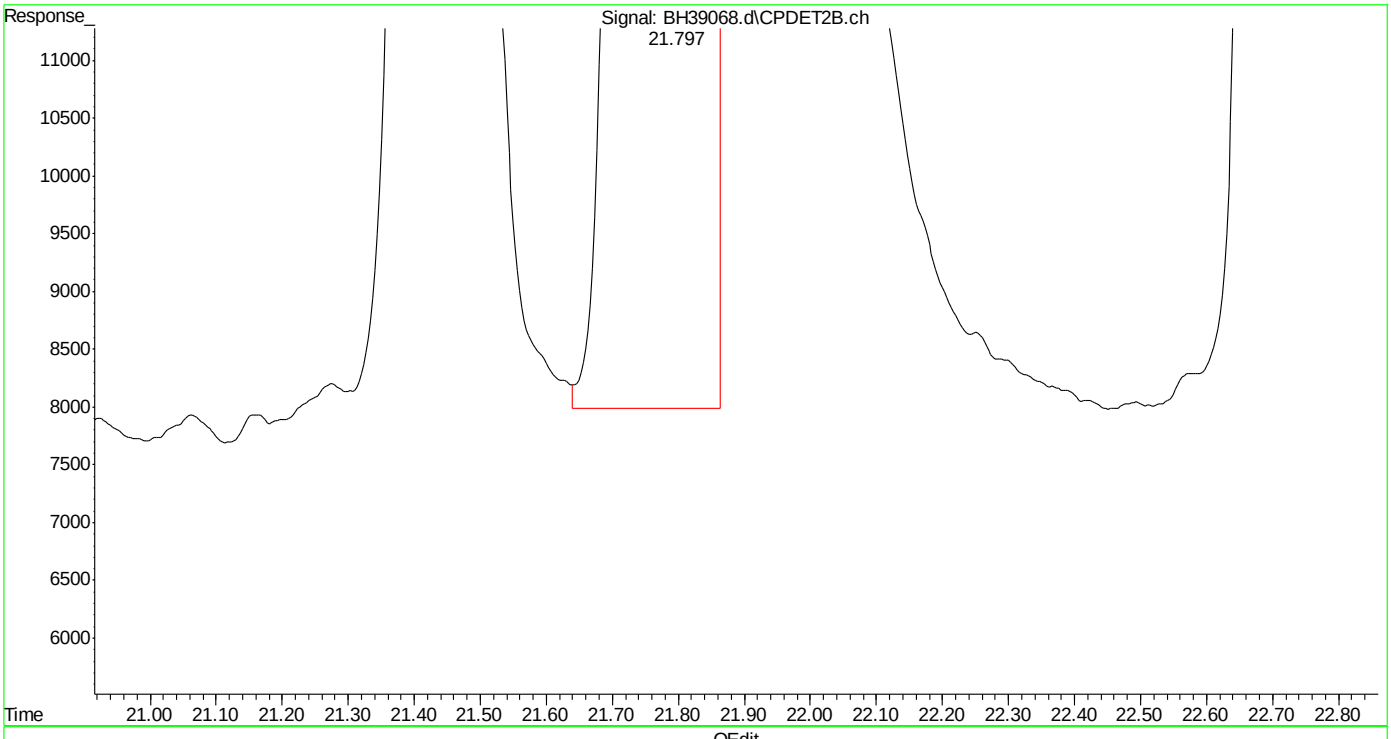
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:12 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) ethylbenzene #2 (t)
21.797min 46.549 ppb m
response 25470023

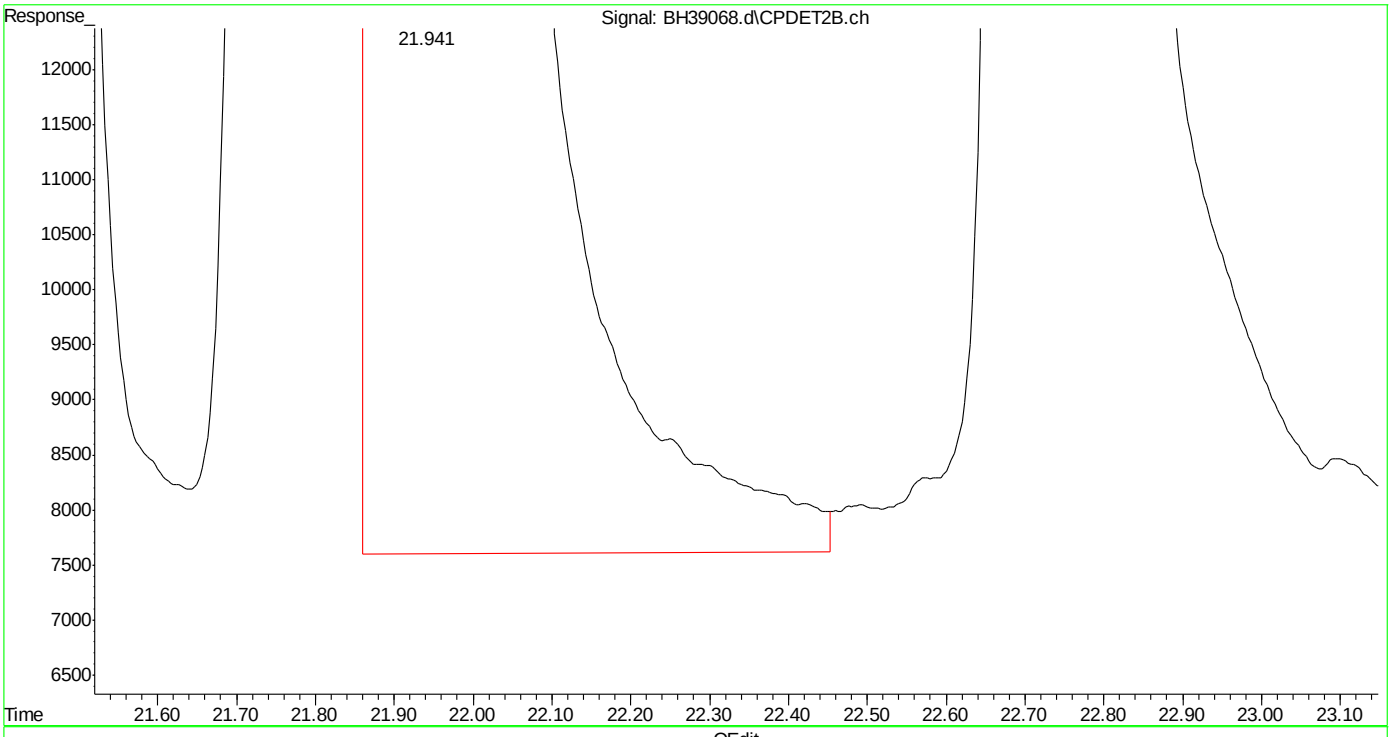
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:19 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.943min 93.057 ppb
response 62072715

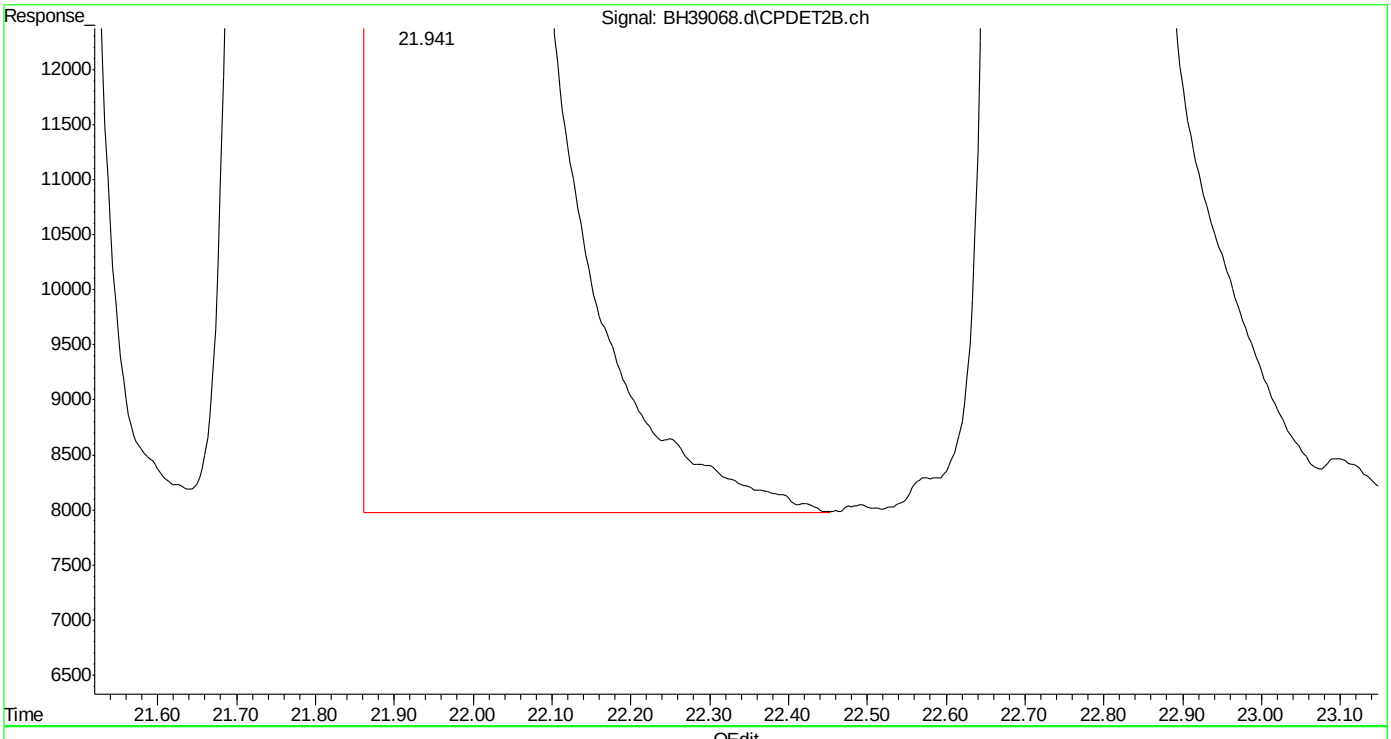
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:24 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.941min 92.421 ppb m
response 61648428

(+) = Expected Retention Time

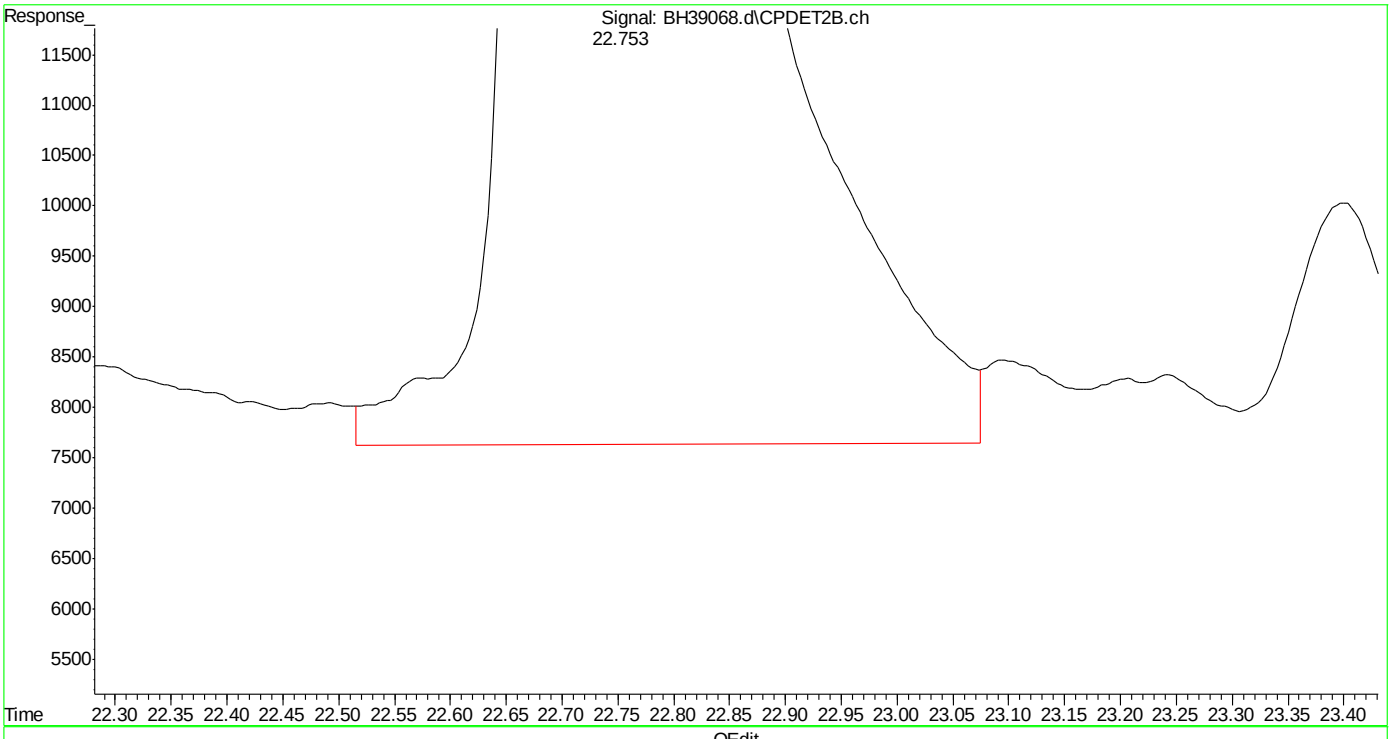
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 45.447 ppb
response 26456559

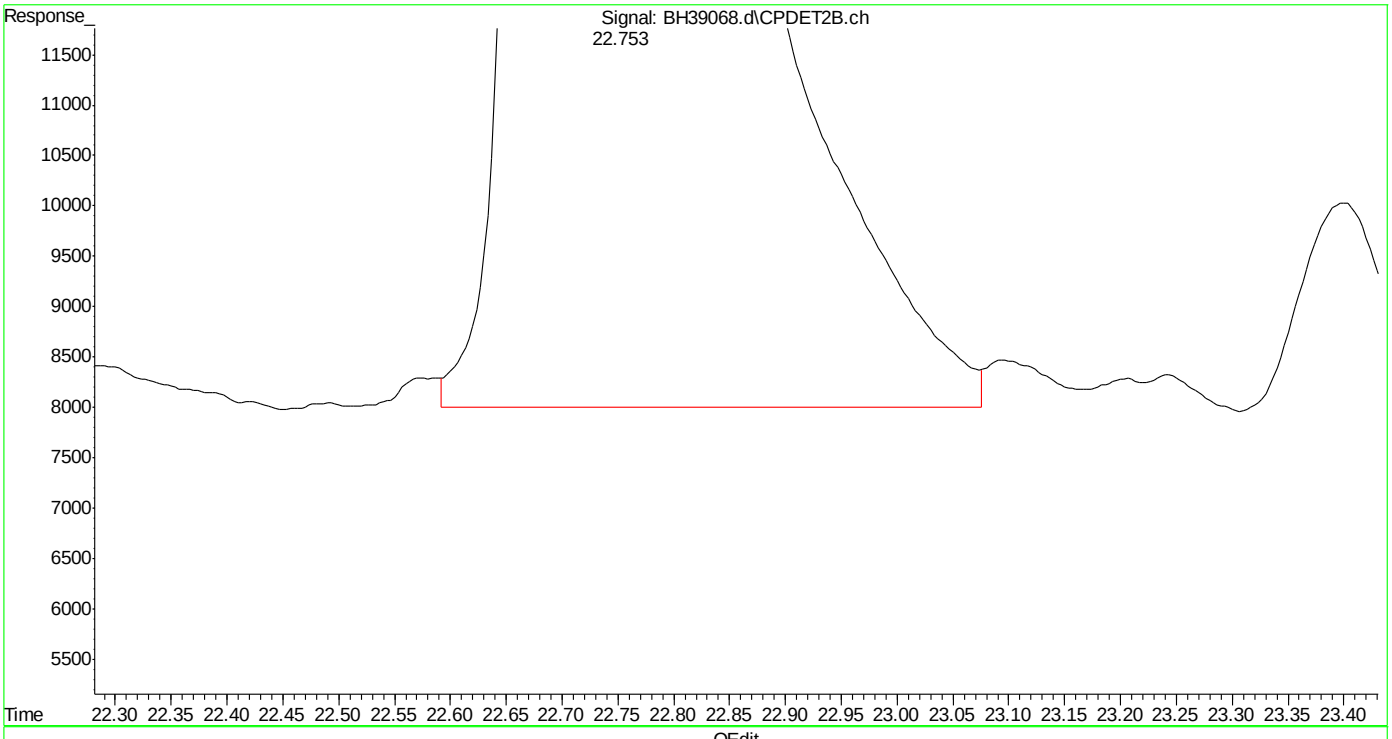
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.753min 45.221 ppb m
response 26324995

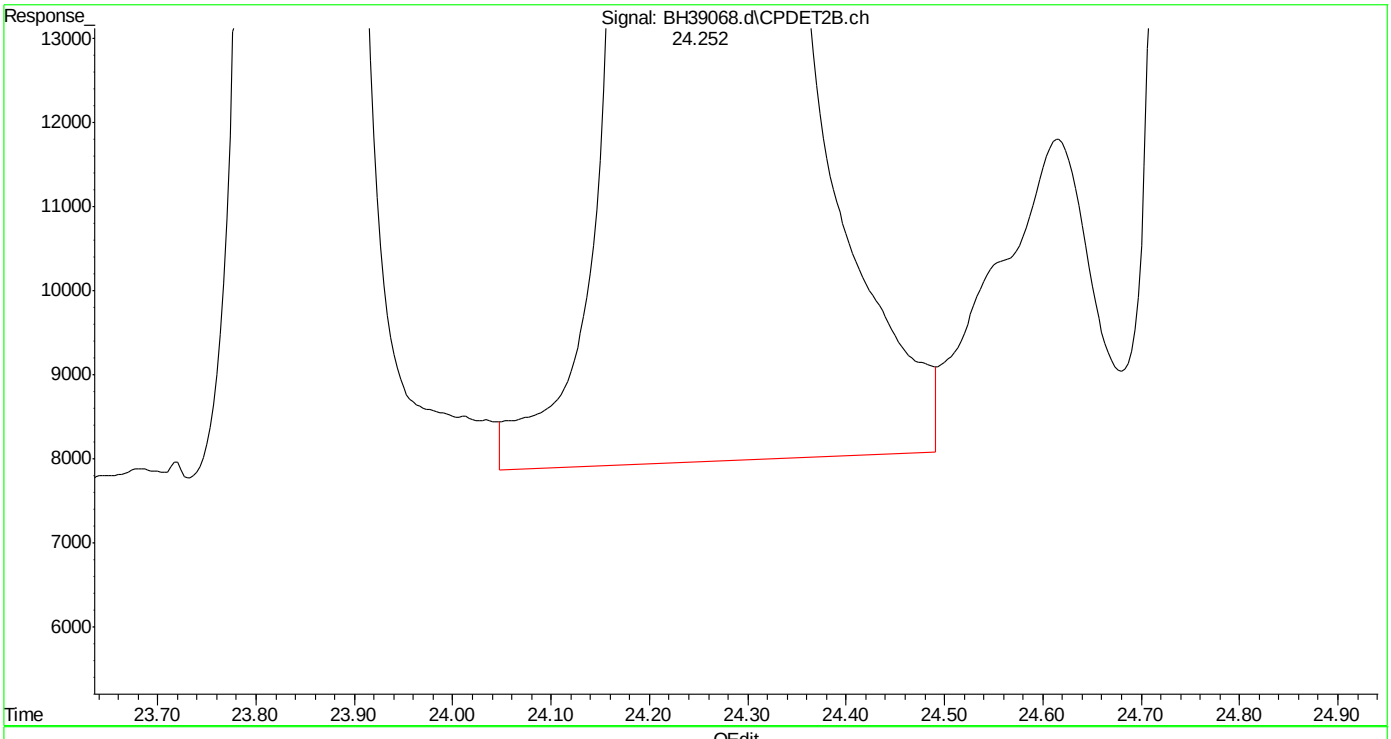
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:42 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(22) 1,3,5-trimethylbenzene #2 (t)
24.253min 46.431 ppb
response 38799620

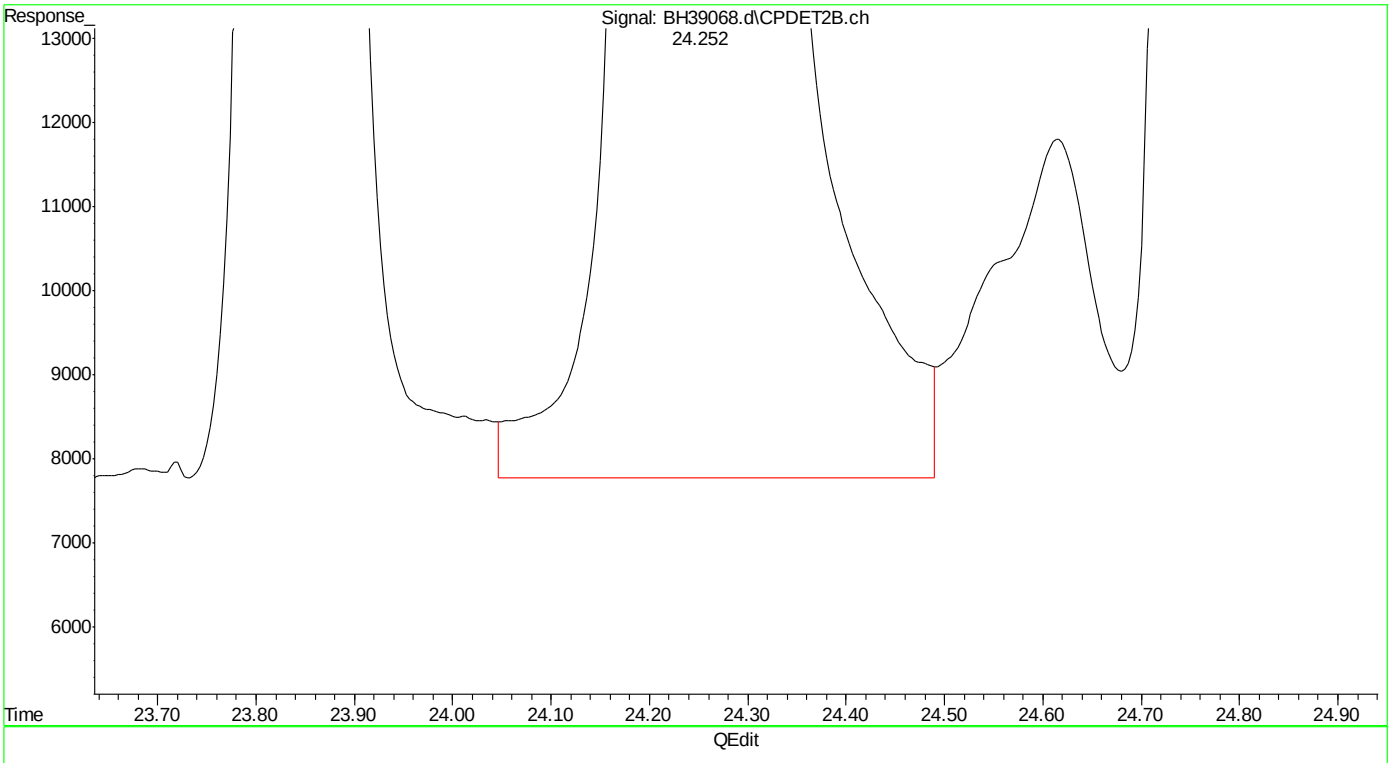
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:49 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(22) 1,3,5-trimethylbenzene #2 (t)
24.252min 46.498 ppb m
response 38855573

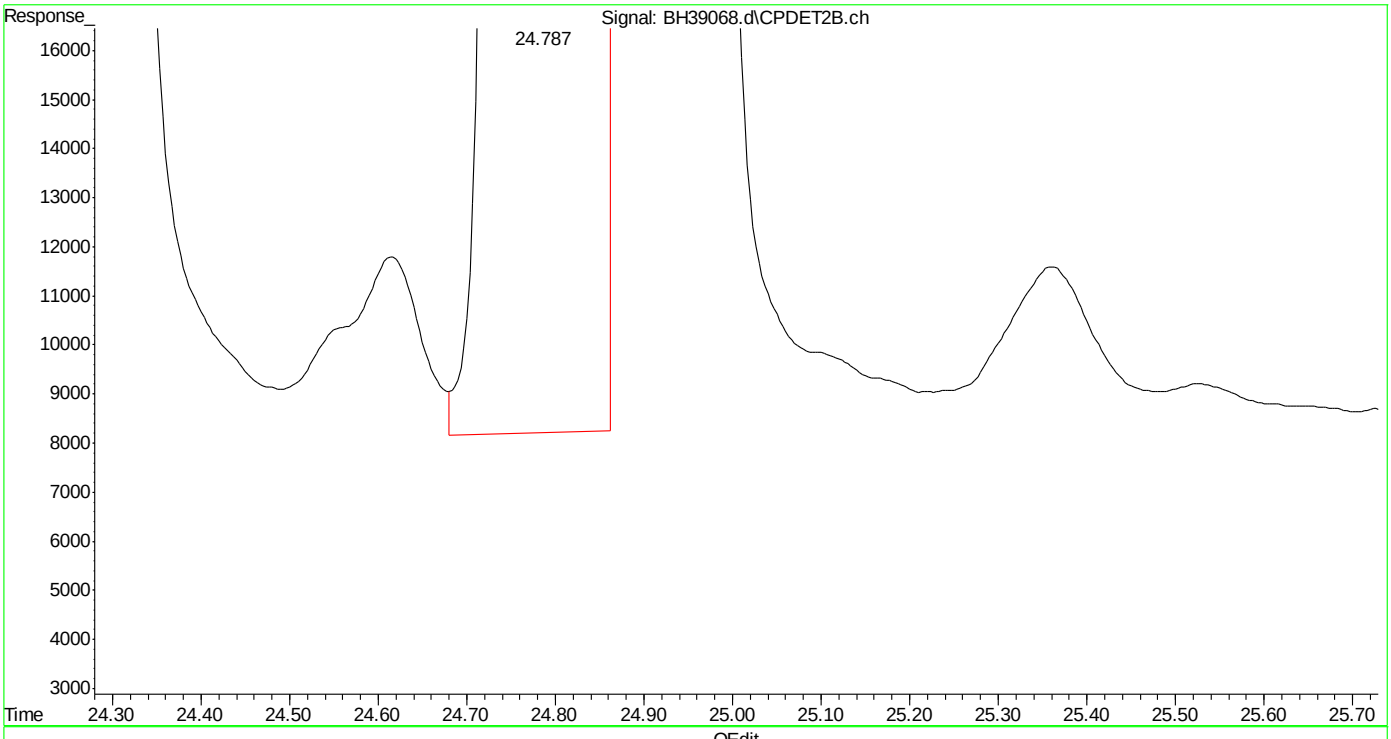
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:03:57 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.789min 45.864 ppb
response 29541781

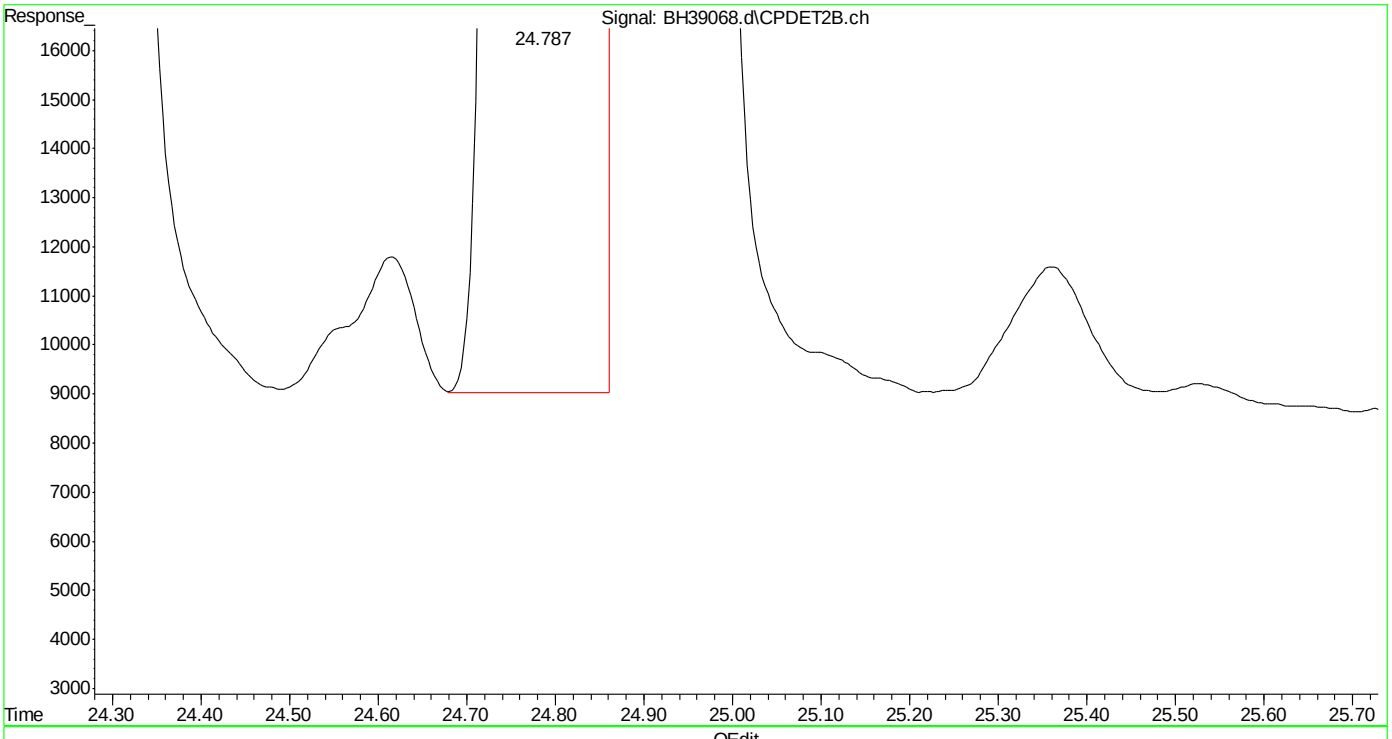
(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:04:02 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.787min 45.833 ppb m
response 29522286

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:04:07 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(24) naphthalene #2 (t)
27.708min 48.131 ppb
response 26313262

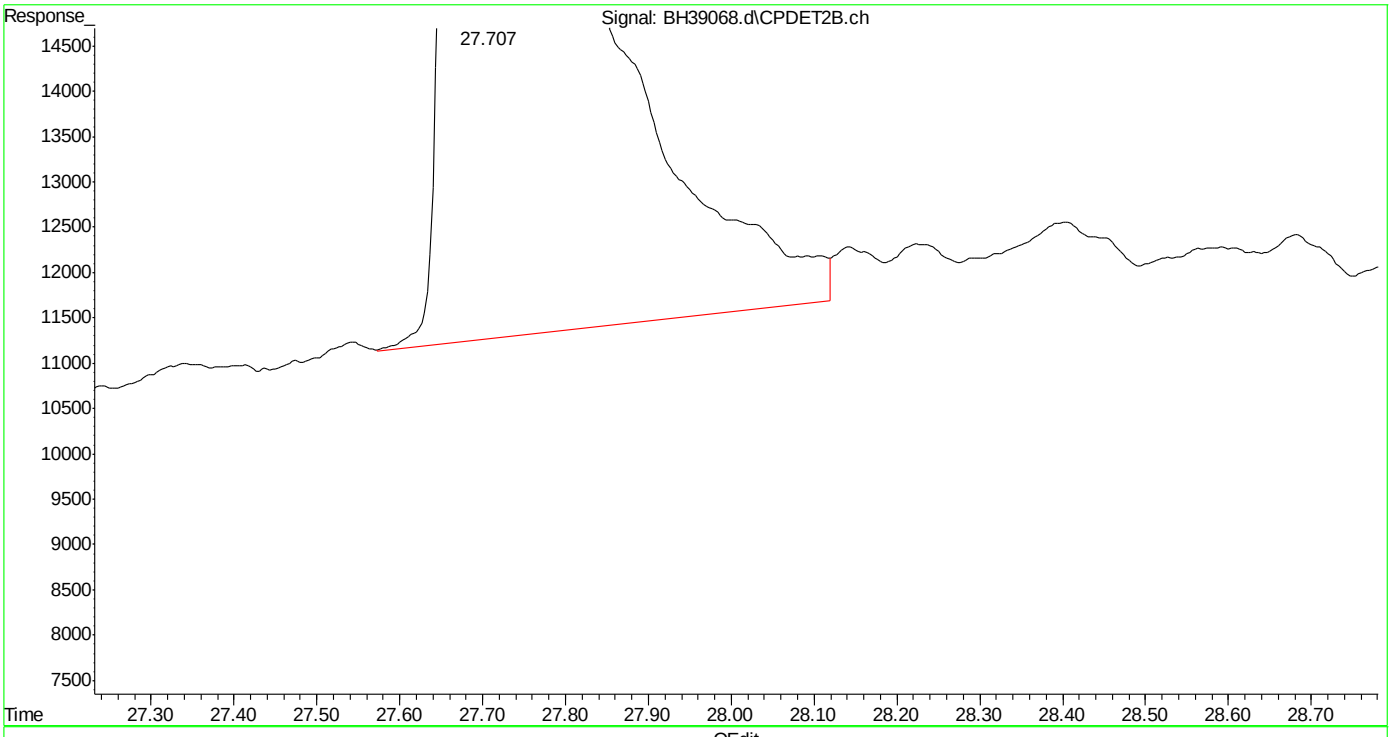
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160420\
Data File : BH39068.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 20 Apr 2016 2:17 pm
Operator : danielf
Sample : icv2295-50
Misc : gc26155,gbh2295,,,,5,1
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 20 14:59:54 2016
Quant Method : C:\msdchem\1\METHODS\bh160420vph.m
Quant Title : vph
QLast Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.707min 47.650 ppb m
response 26050435

(+) = Expected Retention Time
bh160420vph.m Wed Apr 20 15:04:19 2016

SGS ACCUTEST MC45857

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:39:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units	
System Monitoring Compounds				
4) s fluorobenzene	14.670	42907071	45.696 ppb	m
Spiked Amount 50.000		Recovery	= 91.39%	
6) s 2,3,4-trifluorotoluene	19.783	35504560	43.677 ppb	m
Spiked Amount 50.000		Recovery	= 87.35%	
16) s fluorobenzene #2	14.670	19569832	48.152 ppb	m
Spiked Amount 50.000		Recovery	= 96.30%	
18) s 2,3,4-trifluorotoluen...	19.783	11625718	45.774 ppb	m
Spiked Amount 50.000		Recovery	= 91.55%	
Target Compounds				
1) h rt5.5-7	5.980	34694855	33.594 ppb	m
2) h rt7/10	8.250	41593075	40.274 ppb	m
3) h rt10/13	13.360	50820338	49.209 ppb	m
8) h rt20/25	21.460	46032882	38.273 ppb	m
10) h decane	23.856	46466761	38.633 ppb	m
11) h butylcyclohexane	24.940	51748128	43.024 ppb	m
14) t mtbe #2	9.018	13770746	48.971 ppb	m
15) t benzene #2	14.167	29653704	45.088 ppb	m
17) t toluene #2	18.664	27975420	45.364 ppb	m
19) t ethylbenzene #2	21.799	24723889	45.186 ppb	
20) t m,p-xylene #2	21.941	60851553	91.227 ppb	m
21) t o-xylene #2	22.753	26005481	44.672 ppb	m
22) t 1,3,5-trimethylbenzen...	24.254	37936104	45.397 ppb	
23) t 1,2,4-trimethylbenzen...	24.787	29096617	45.173 ppb	m
24) t naphthalene #2	27.709	27045155	49.470 ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	29166577	45.287 ppb	m

(f)=RT Delta > 1/2 Window (m)=manual int.

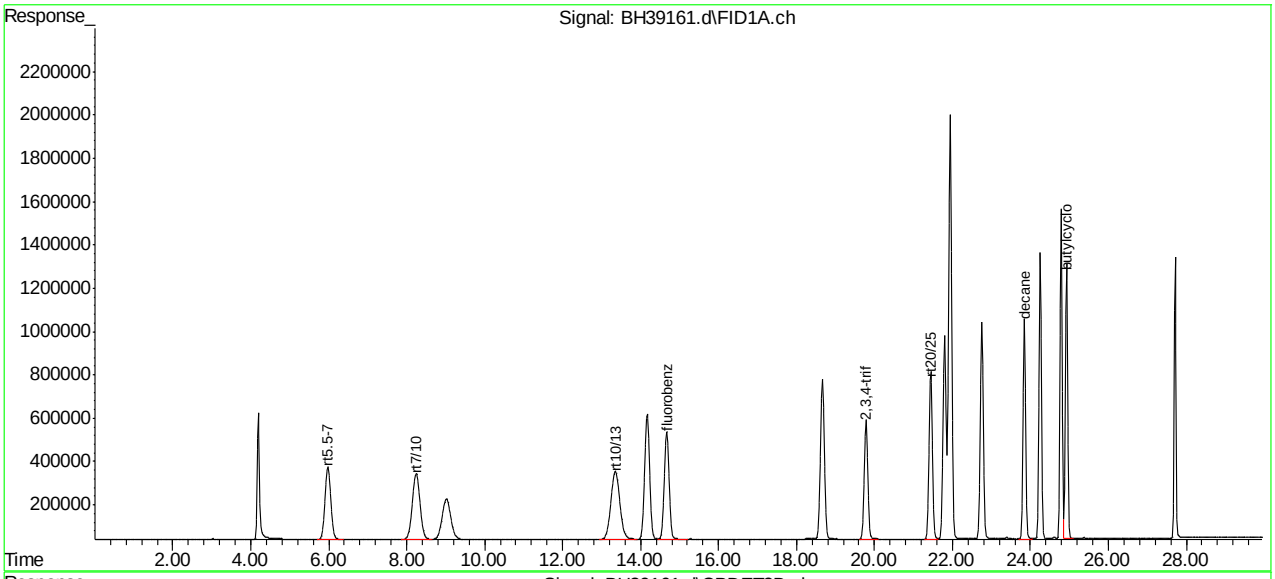
7.5.11
7

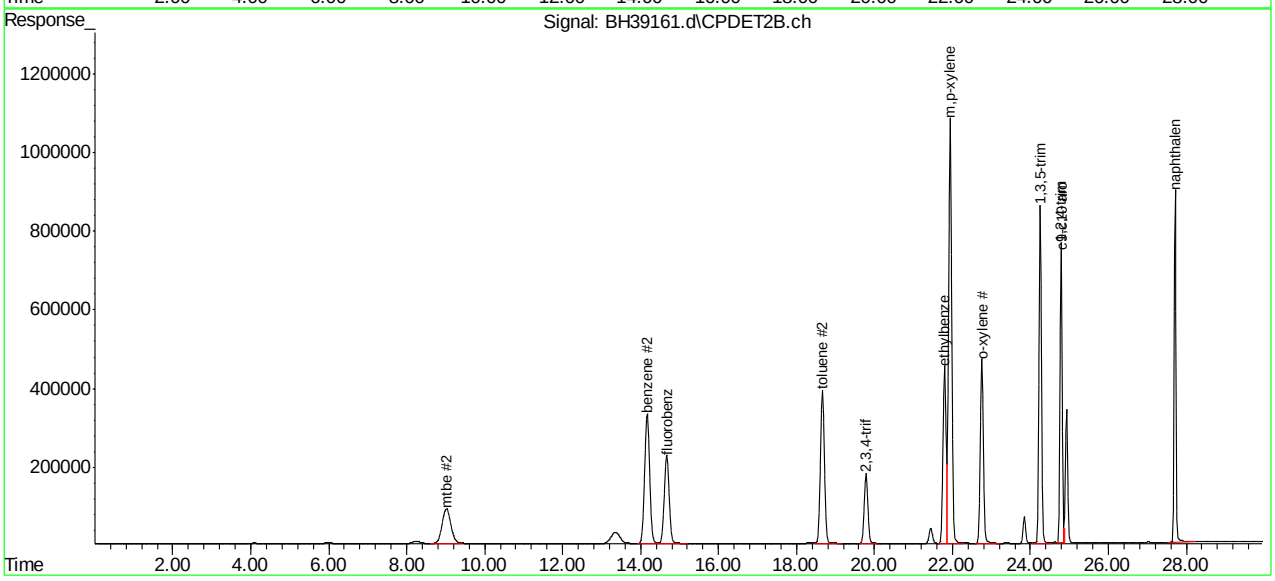
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:39:17 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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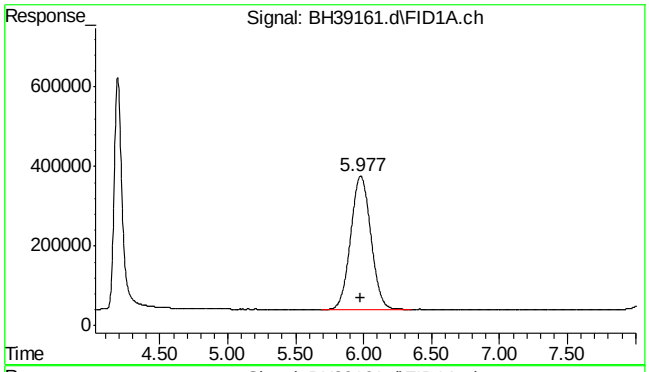
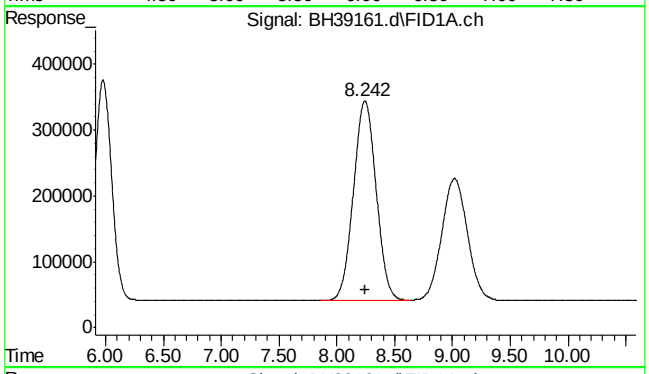


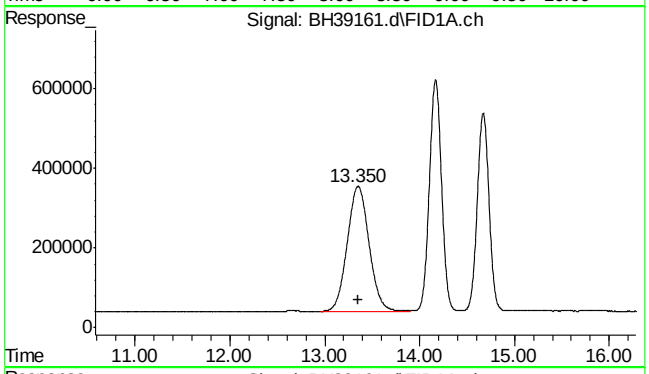
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 34694855
Conc: 33.59 ppb m



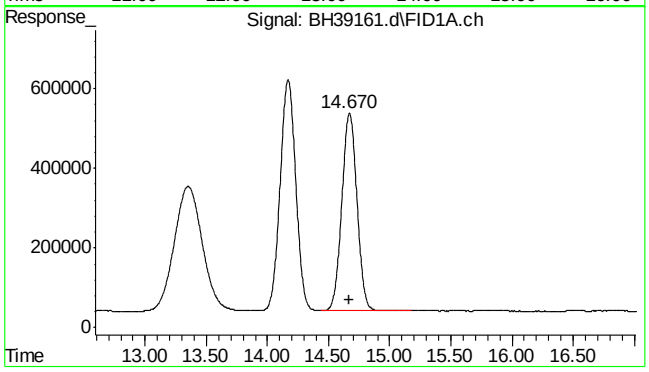
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 41593075
Conc: 40.27 ppb m



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 50820338
Conc: 49.21 ppb m



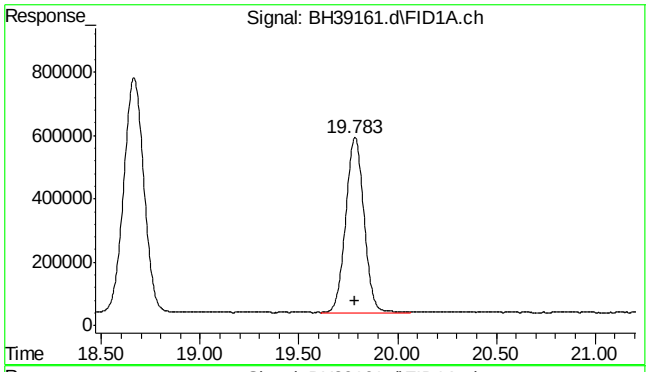
#4 fluorobenzene

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 42907071
Conc: 45.70 ppb m

7.5.11

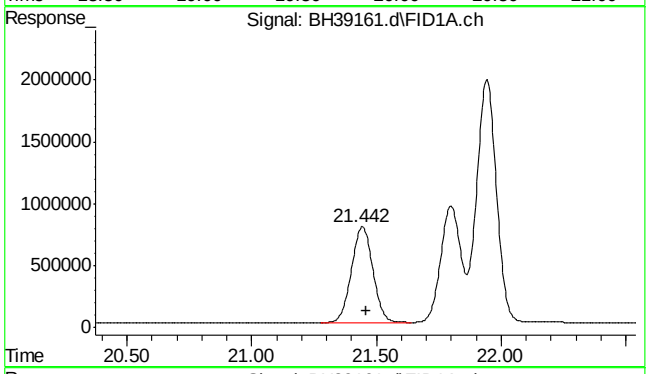
7

SGS ACCUTEST MC45857



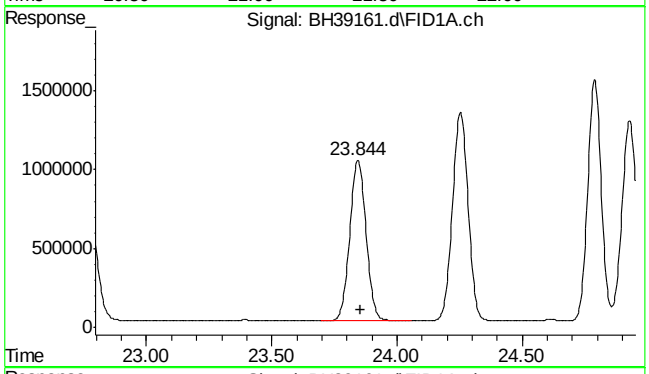
#6 2,3,4-trifluorotoluene

R.T.: 19.783 min
Delta R.T.: -0.003 min
Response: 35504560
Conc: 43.68 ppb m



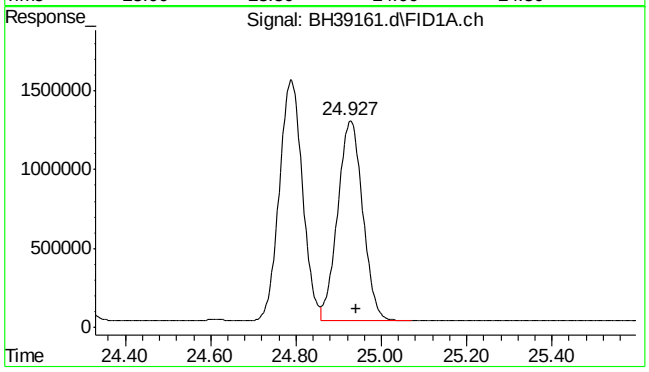
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 46032882
Conc: 38.27 ppb m



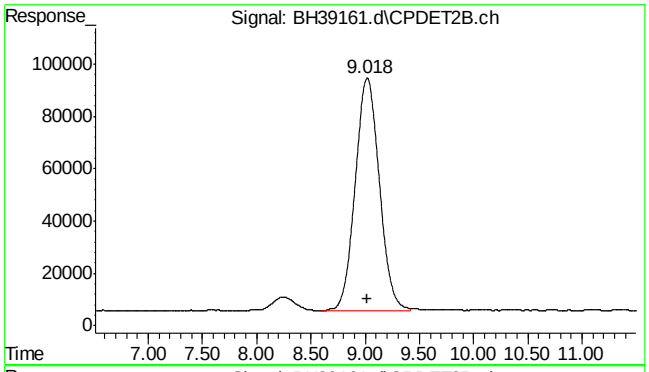
#10 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 46466761
Conc: 38.63 ppb m



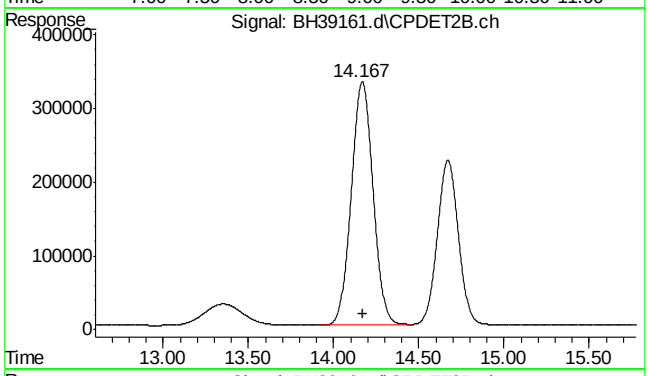
#11 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 51748128
Conc: 43.02 ppb m



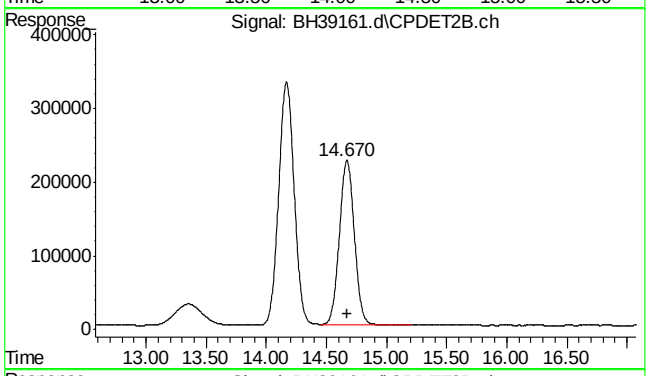
#14 mtbe #2

R.T.: 9.018 min
Delta R.T.: 0.002 min
Response: 13770746
Conc: 48.97 ppb m



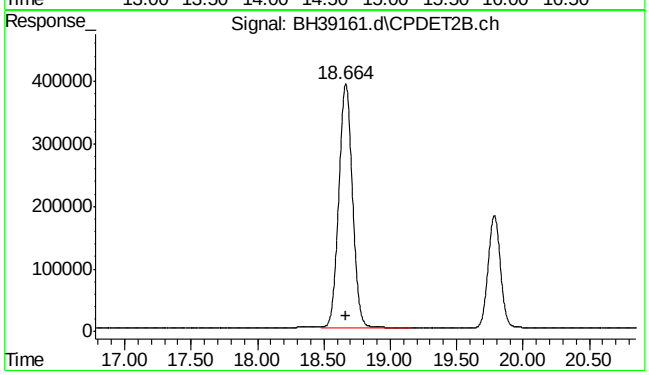
#15 benzene #2

R.T.: 14.167 min
Delta R.T.: -0.002 min
Response: 29653704
Conc: 45.09 ppb m



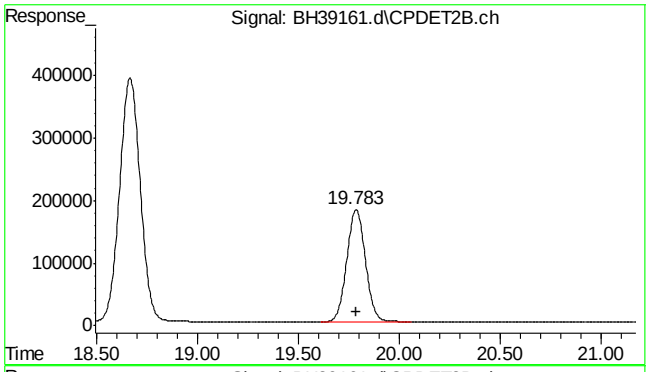
#16 fluorobenzene #2

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 19569832
Conc: 48.15 ppb m



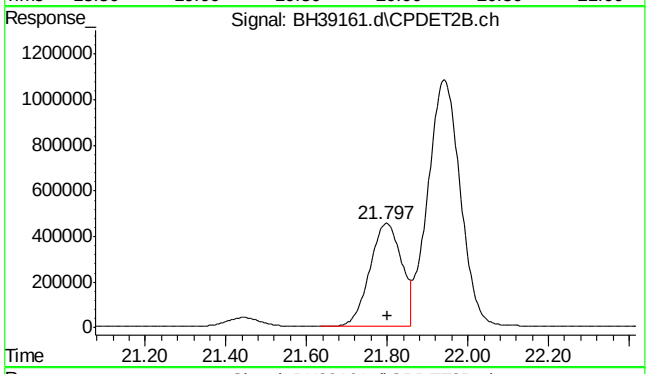
#17 toluene #2

R.T.: 18.664 min
Delta R.T.: -0.002 min
Response: 27975420
Conc: 45.36 ppb m



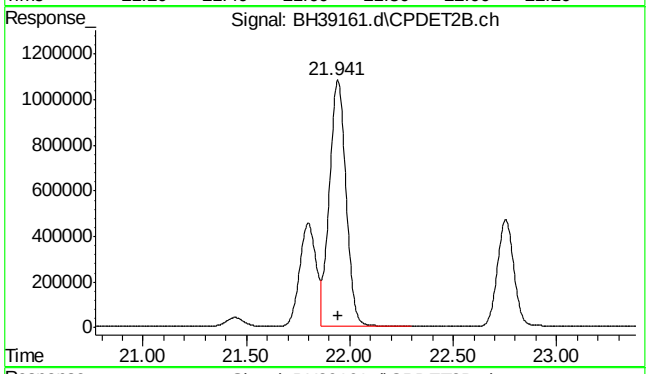
#18 2,3,4-trifluorotoluene #2

R.T.: 19.783 min
Delta R.T.: -0.002 min
Response: 11625718
Conc: 45.77 ppb m



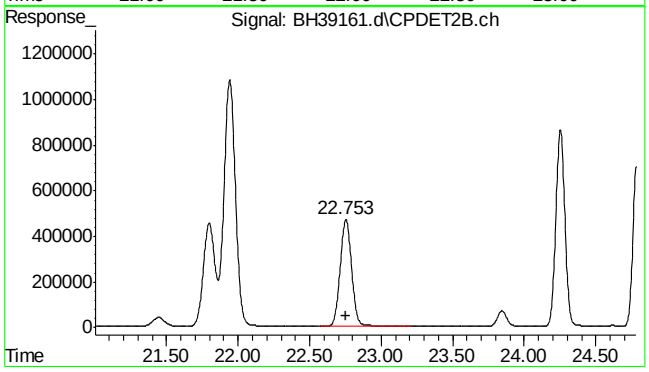
#19 ethylbenzene #2

R.T.: 21.799 min
Delta R.T.: 0.000 min
Response: 24723889
Conc: 45.19 ppb



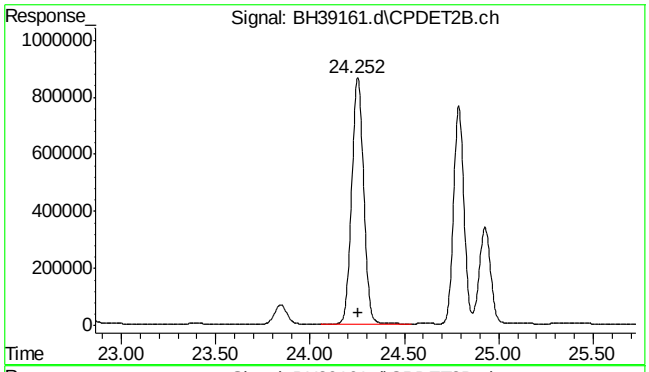
#20 m,p-xylene #2

R.T.: 21.941 min
Delta R.T.: -0.003 min
Response: 60851553
Conc: 91.23 ppb m



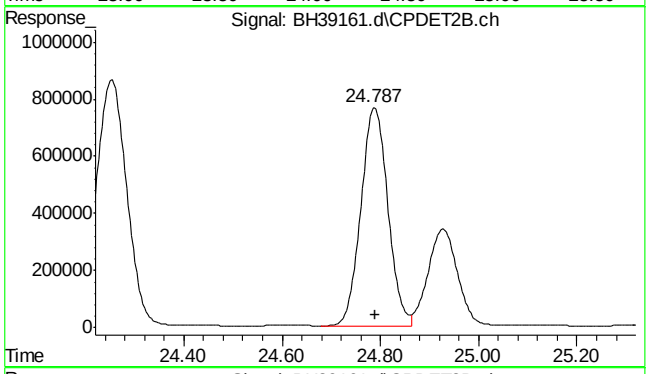
#21 o-xylene #2

R.T.: 22.753 min
Delta R.T.: -0.002 min
Response: 26005481
Conc: 44.67 ppb m



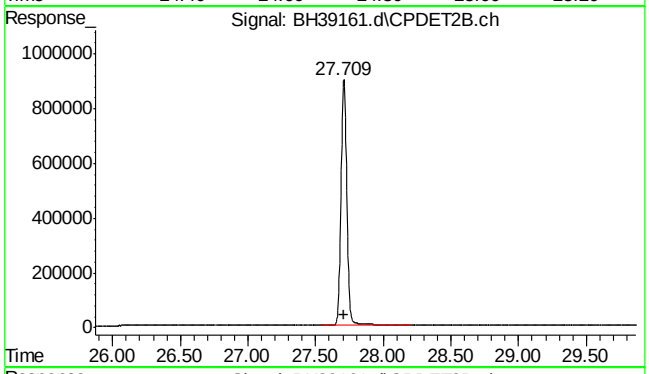
#22 1,3,5-trimethylbenzene #2

R.T.: 24.254 min
Delta R.T.: 0.000 min
Response: 37936104
Conc: 45.40 ppb



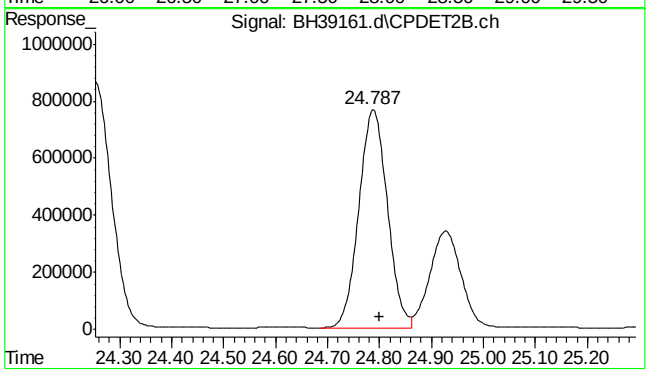
#23 1,2,4-trimethylbenzene #2

R.T.: 24.787 min
Delta R.T.: -0.002 min
Response: 29096617
Conc: 45.17 ppb m



#24 naphthalene #2

R.T.: 27.709 min
Delta R.T.: 0.000 min
Response: 27045155
Conc: 49.47 ppb m



#25 c9-c10 arom as 1,2,4-tmb

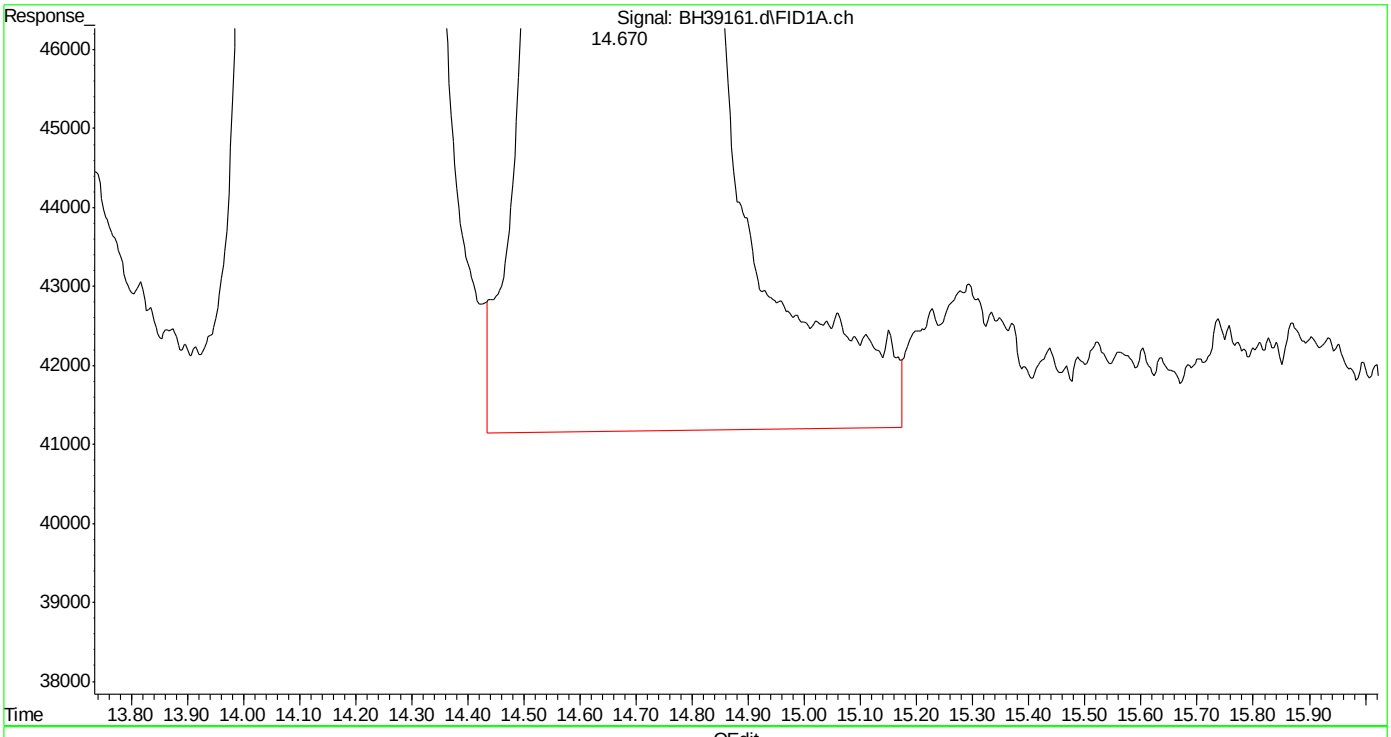
R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 29166577
Conc: 45.29 ppb m

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 46.106 ppb
response 43292065

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:36:09 2016

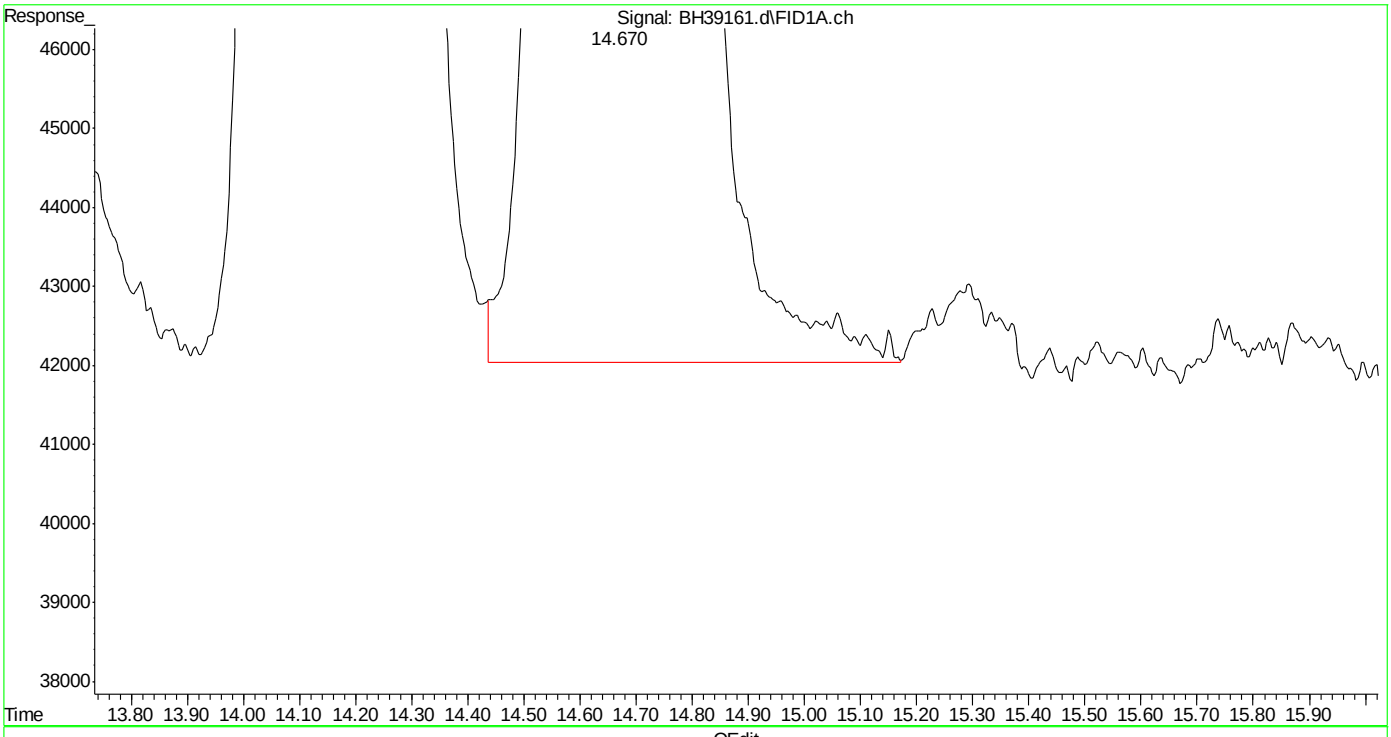
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 45.696 ppb m
response 42907071

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:36:17 2016

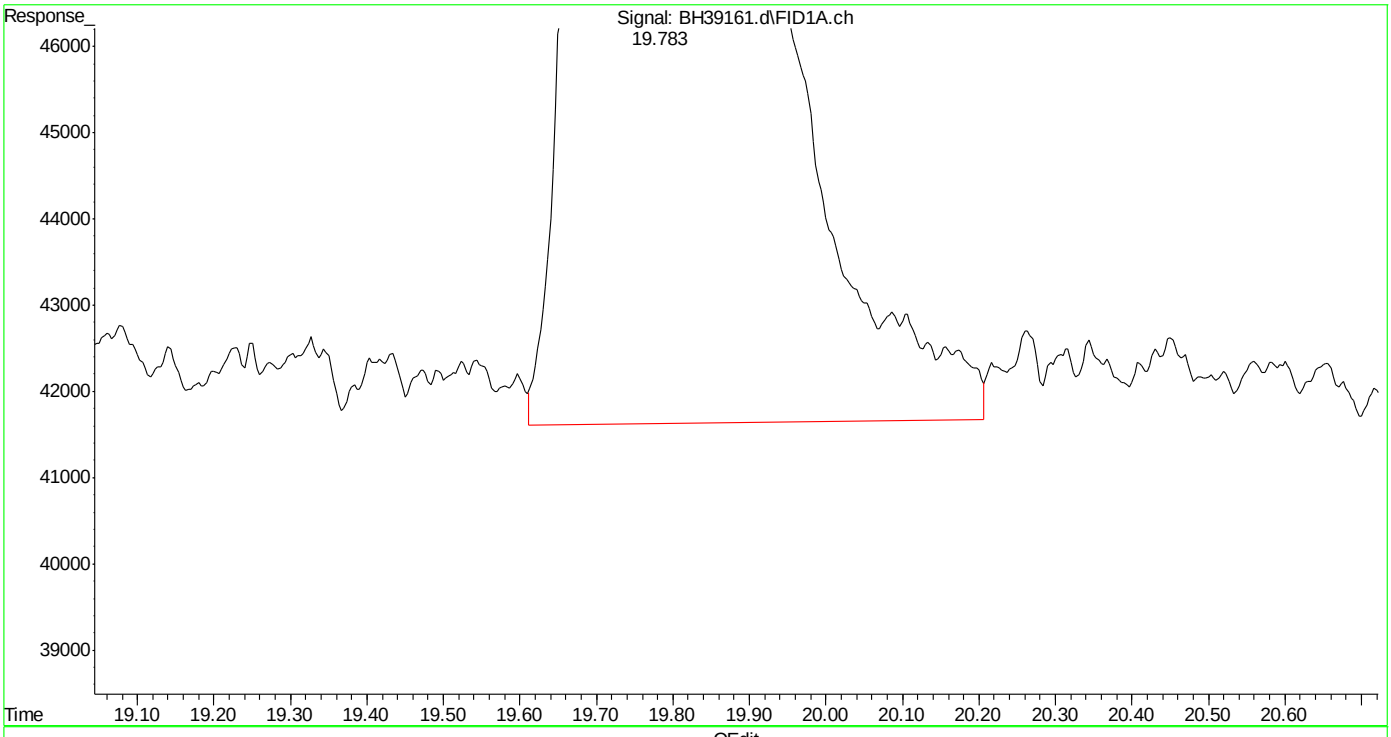
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 43.877 ppb
response 35666409

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:36:23 2016

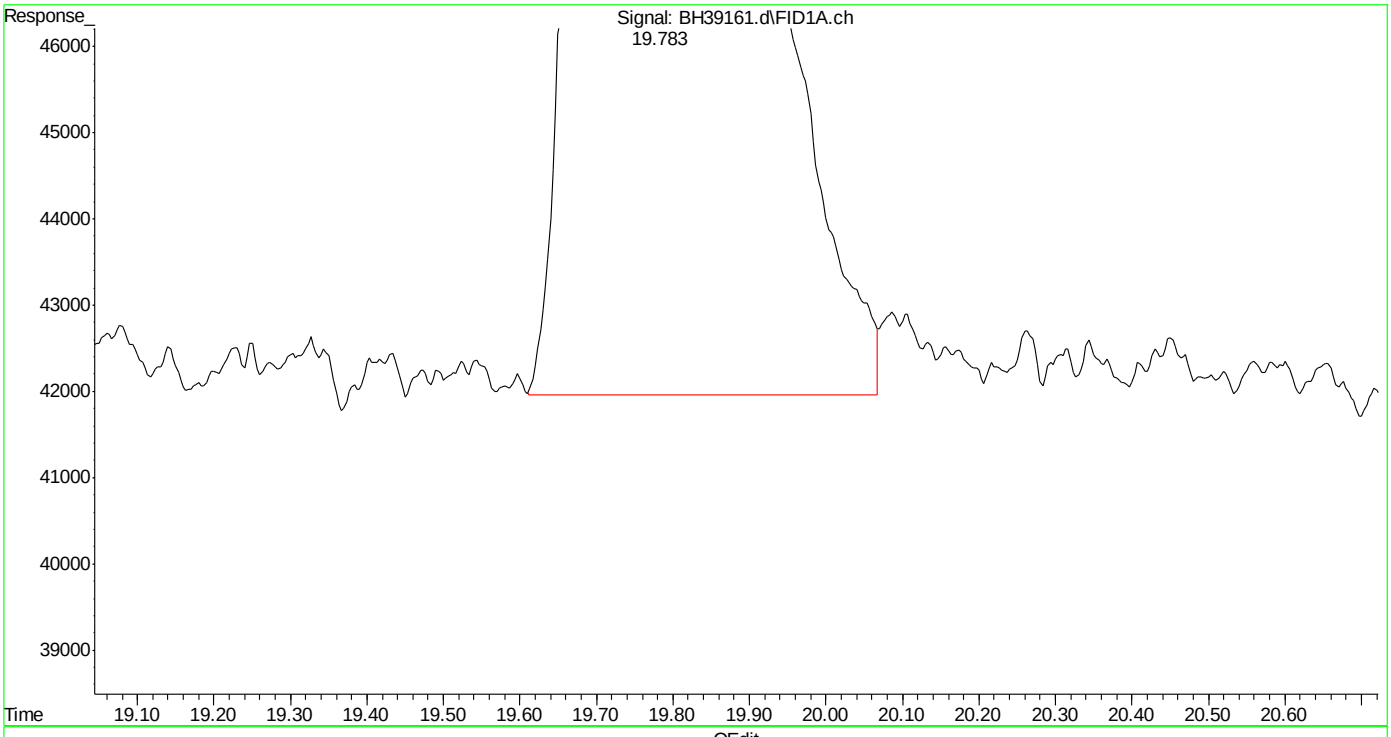
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.783min 43.677 ppb m
response 35504560

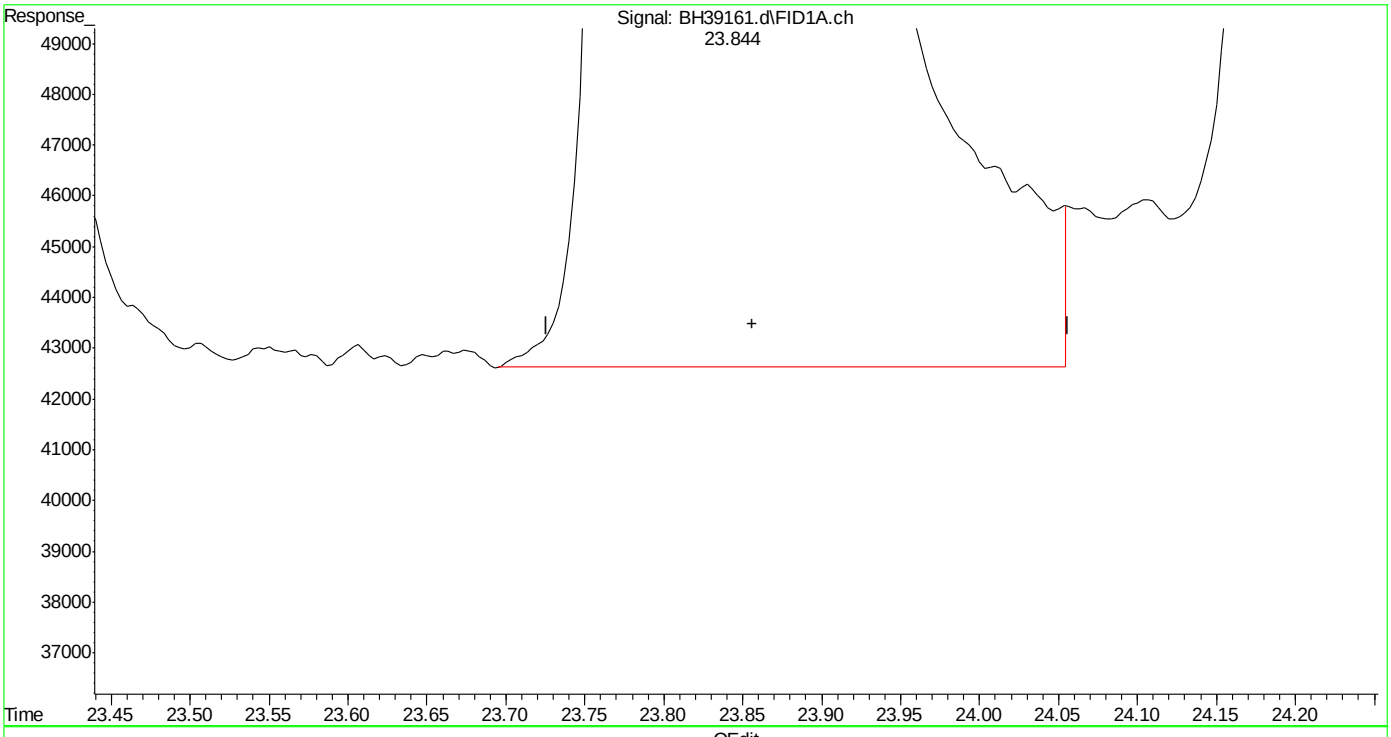
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:36:28 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 38.633 ppb m
response 46466761

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:36:47 2016

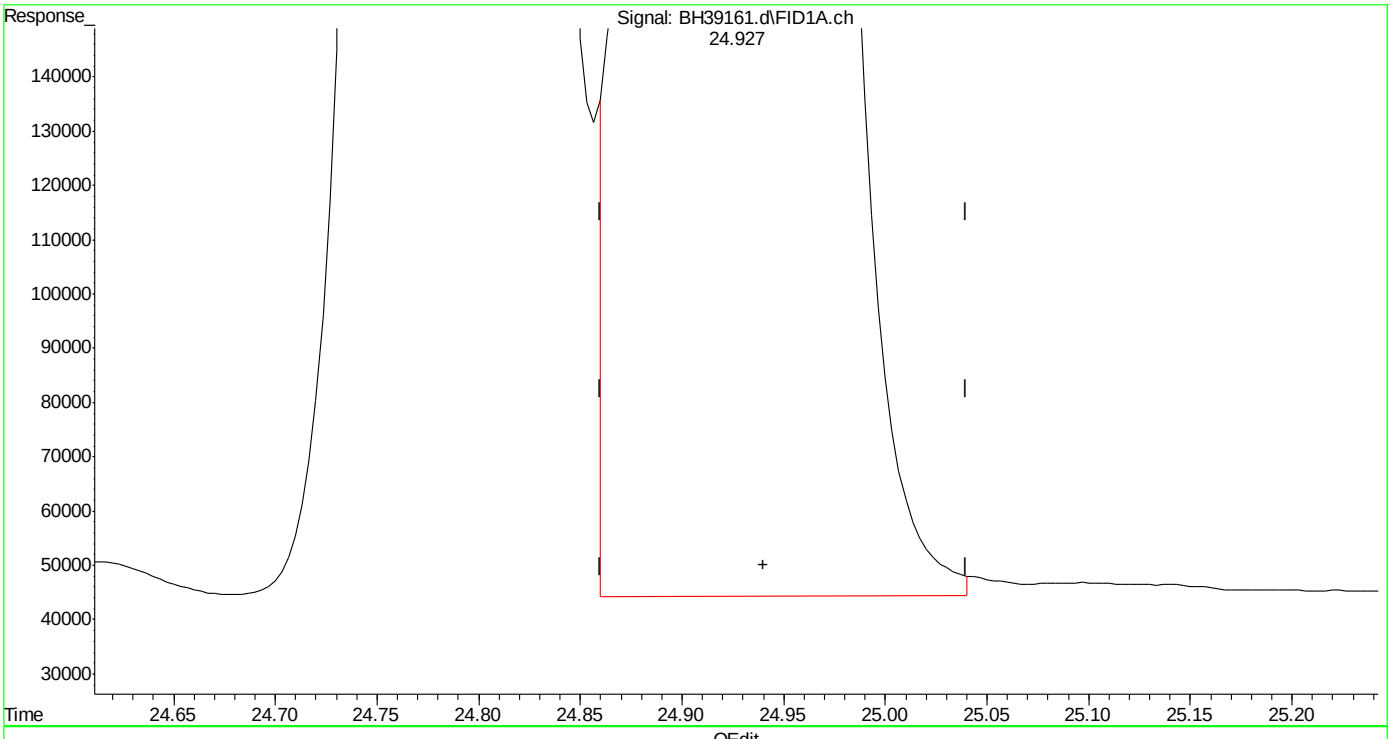
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 42.735 ppb
response 51400140

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:36:57 2016

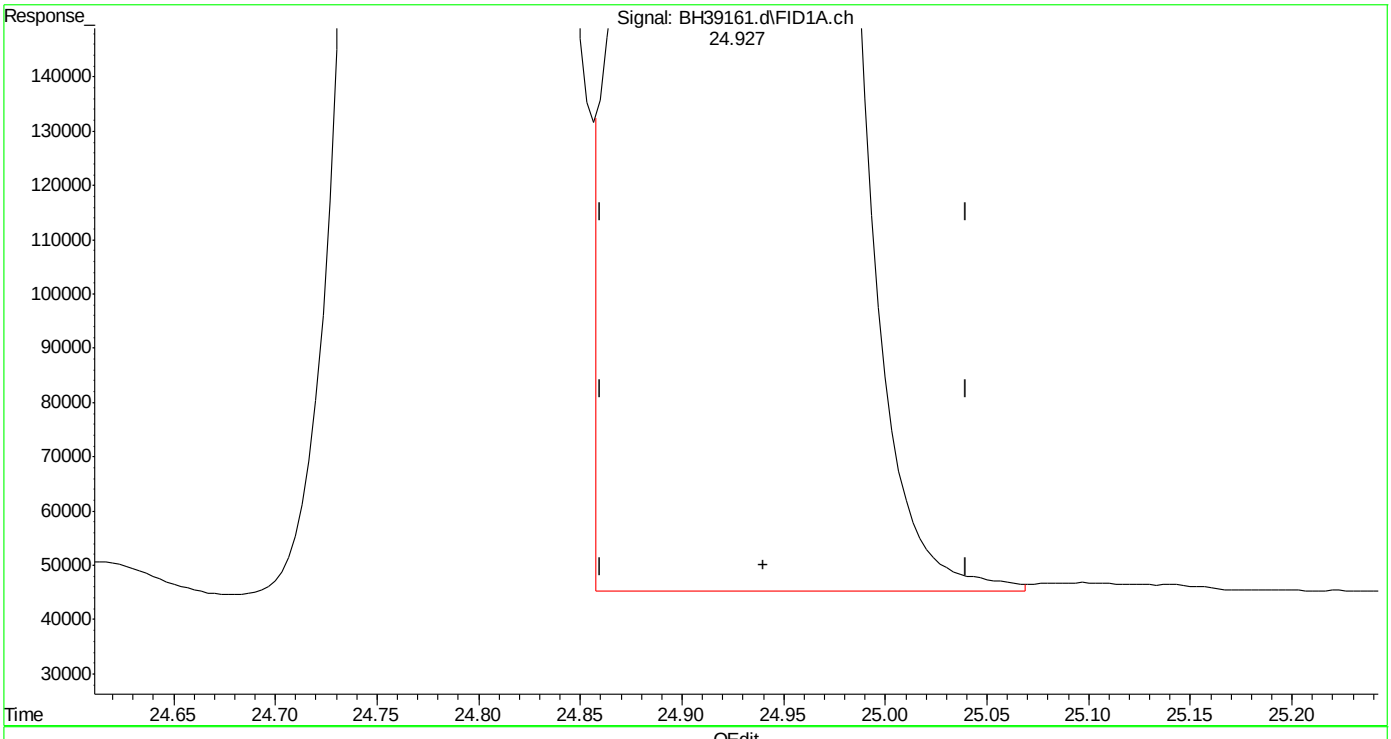
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 43.024 ppb m
response 51748128

(+) = Expected Retention Time

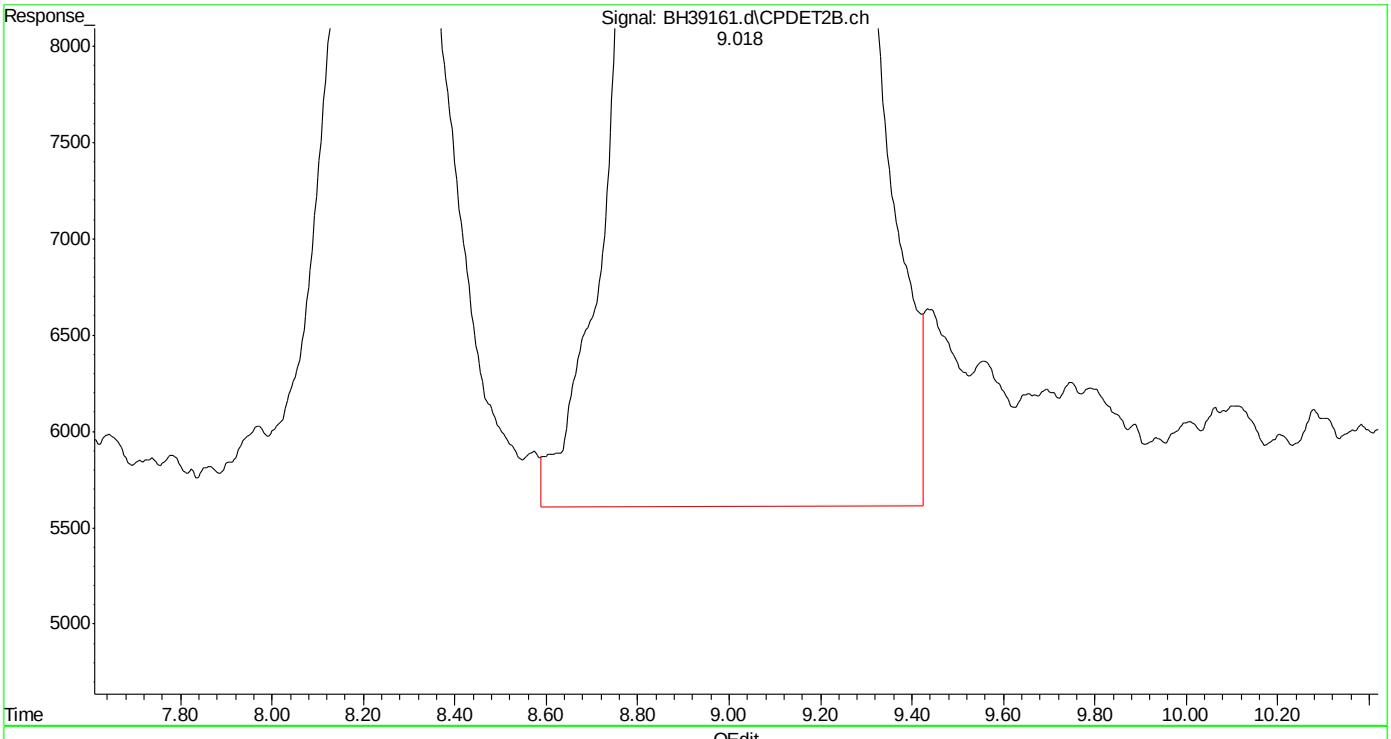
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.020min 49.395 ppb
response 13889782

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:37:10 2016

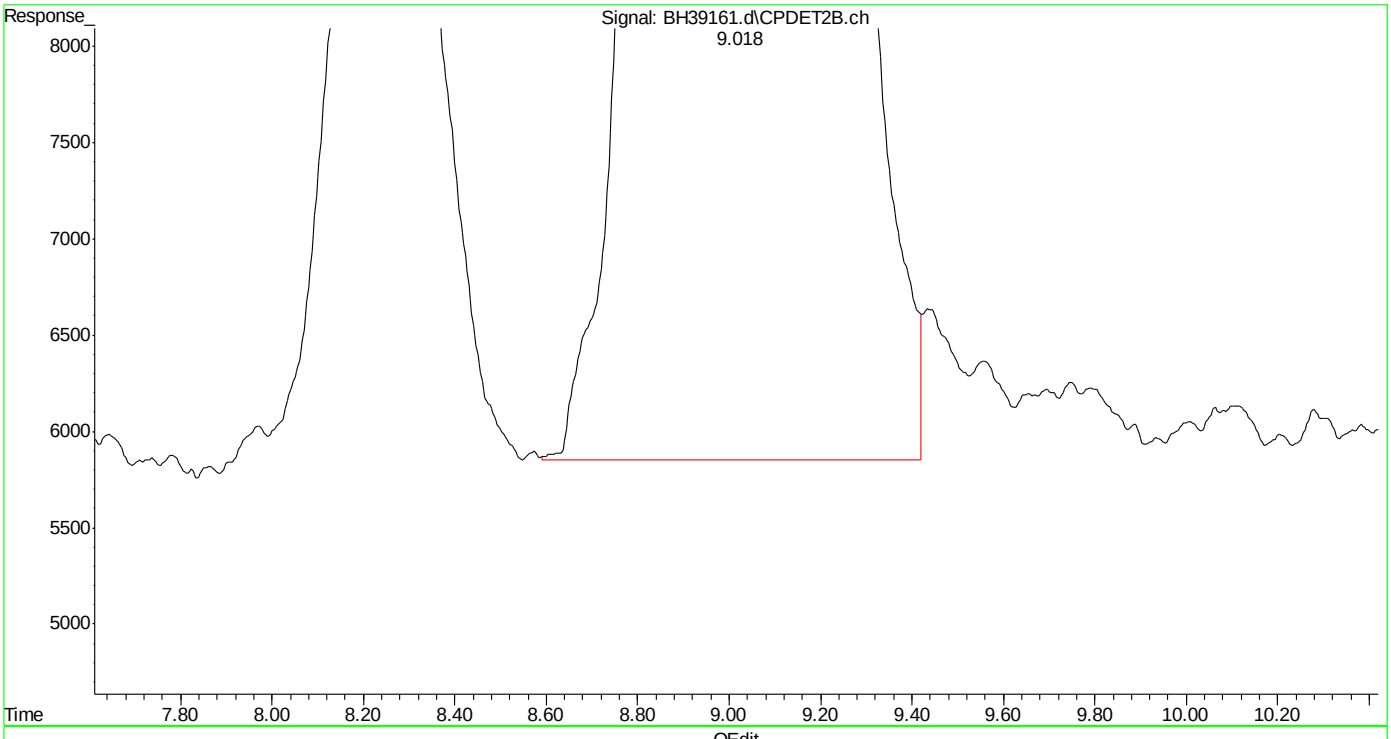
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.018min 48.971 ppb m
response 13770746

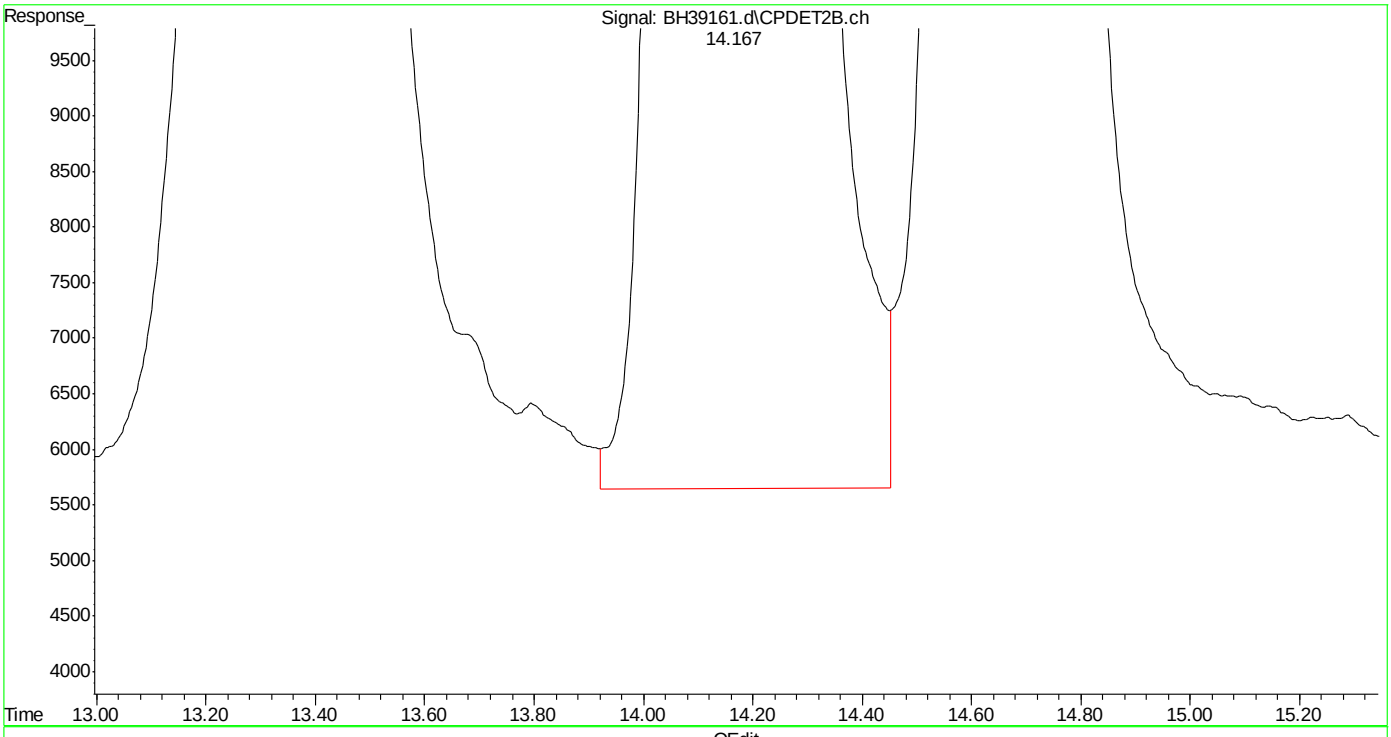
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:37:16 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.169min 45.258 ppb
response 29765021

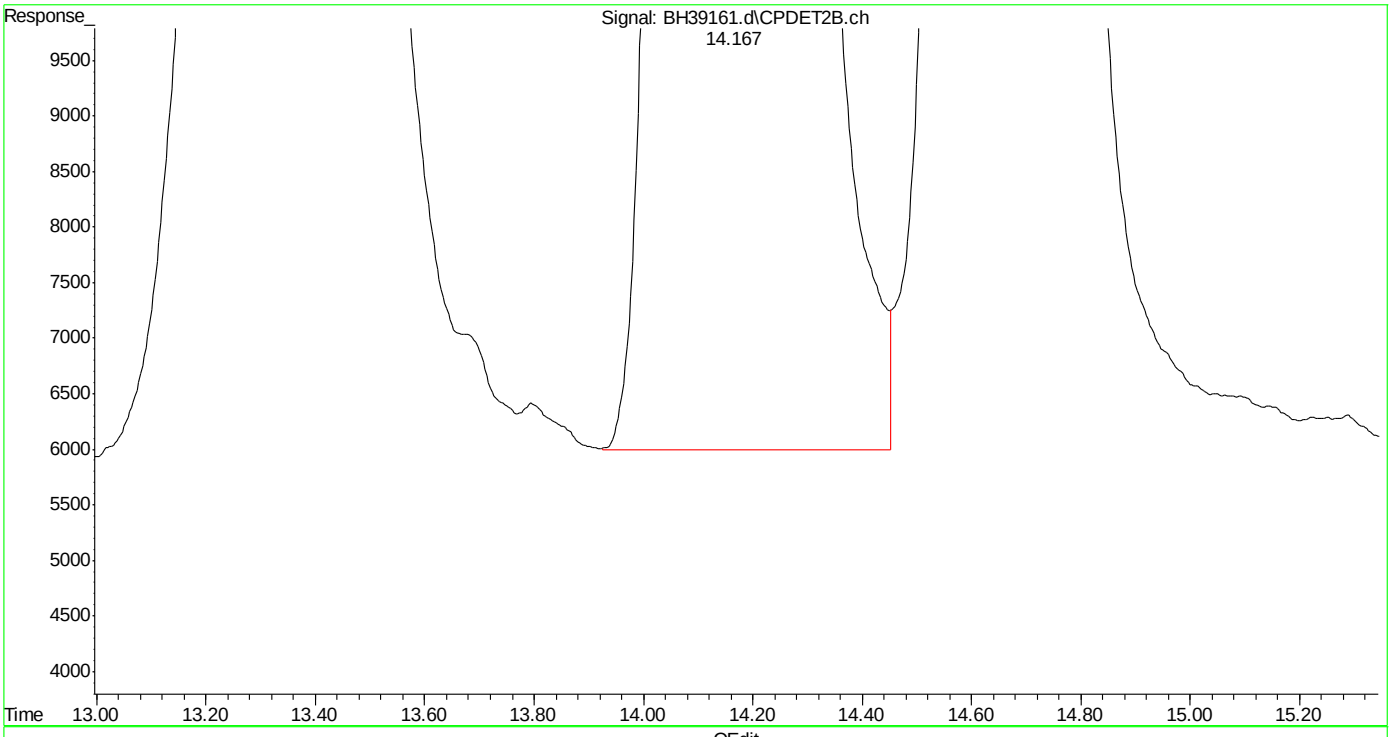
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:37:21 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.167min 45.088 ppb m
response 29653704

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:37:27 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(16) fluorobenzene #2 (s)
14.671min 48.539 ppb
response 19727012

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:37:32 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

(16) fluorobenzene #2 (s)
14.670min 48.152 ppb m
response 19569832

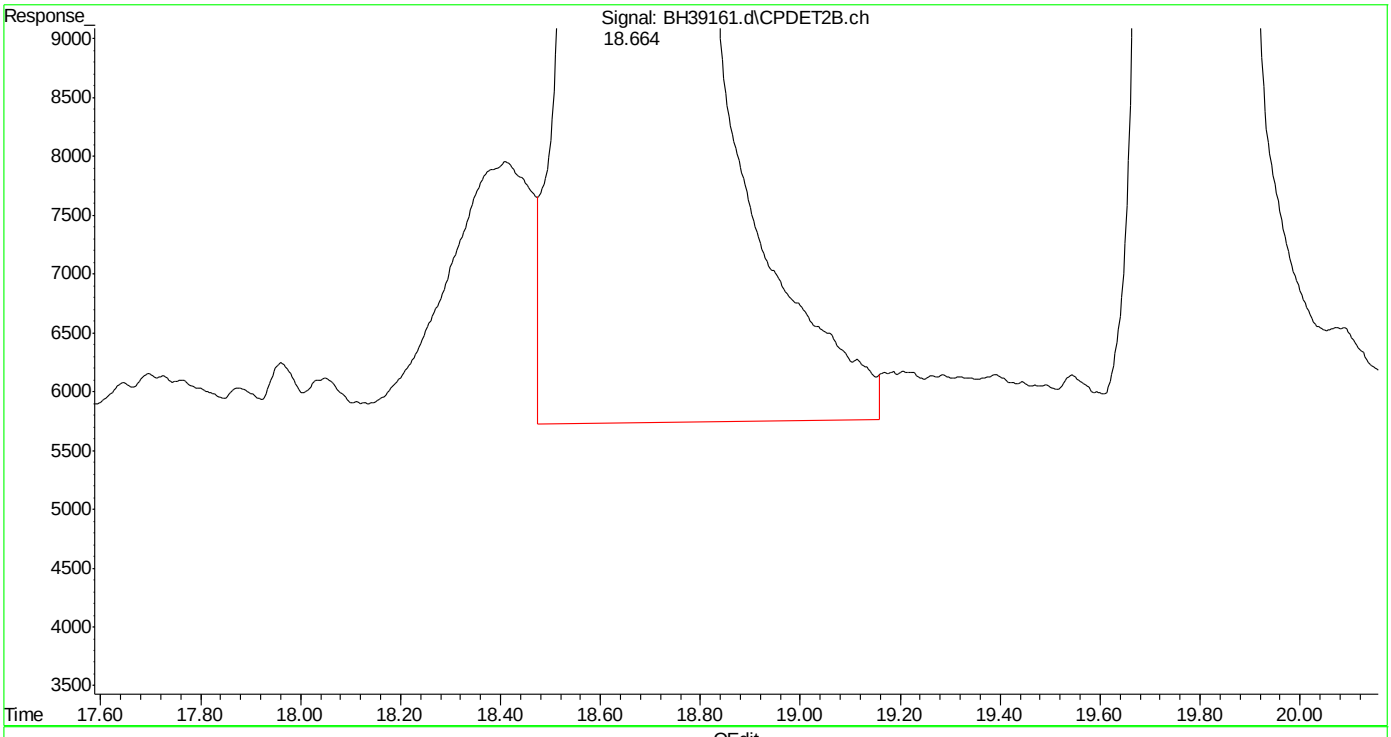
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:37:40 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.665min 45.616 ppb
response 28131160

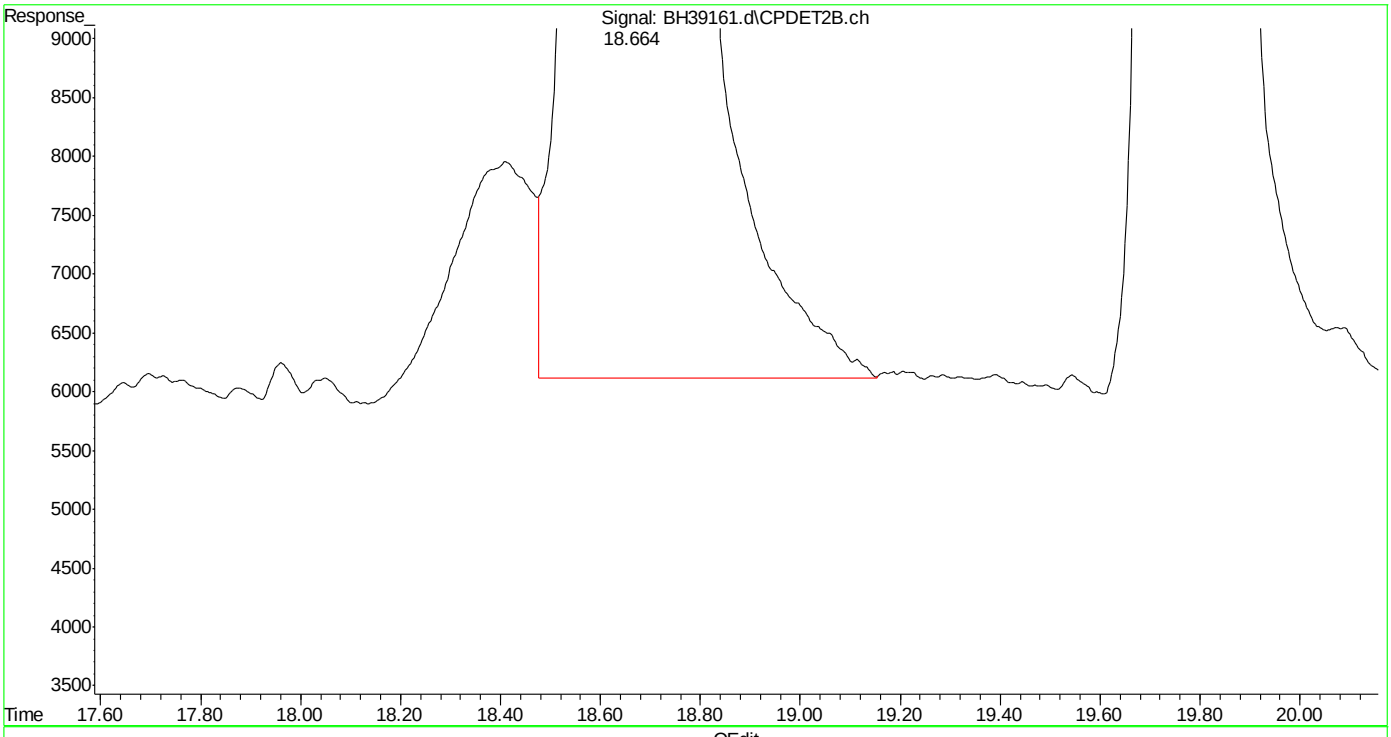
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:37:45 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.664min 45.364 ppb m
response 27975420

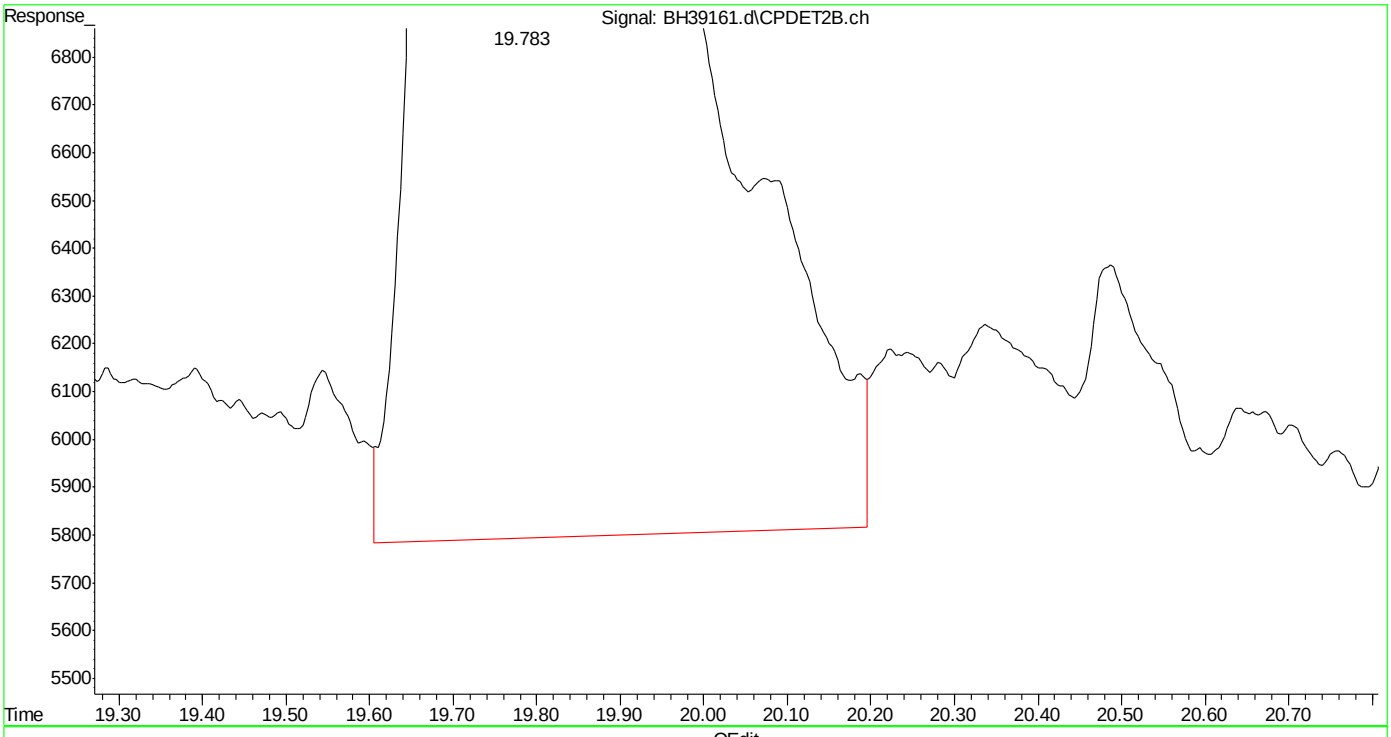
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:37:53 2016

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016  12:05 pm
Operator  : danielf
Sample    : cc2295-50
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(18) 2,3,4-trifluorotoluene #2 (s)

19.785min 46.143 ppb

response 11719482

(+) = Expected Retention Time

bh160512vph.m Thu May 12 12:38:00 2016

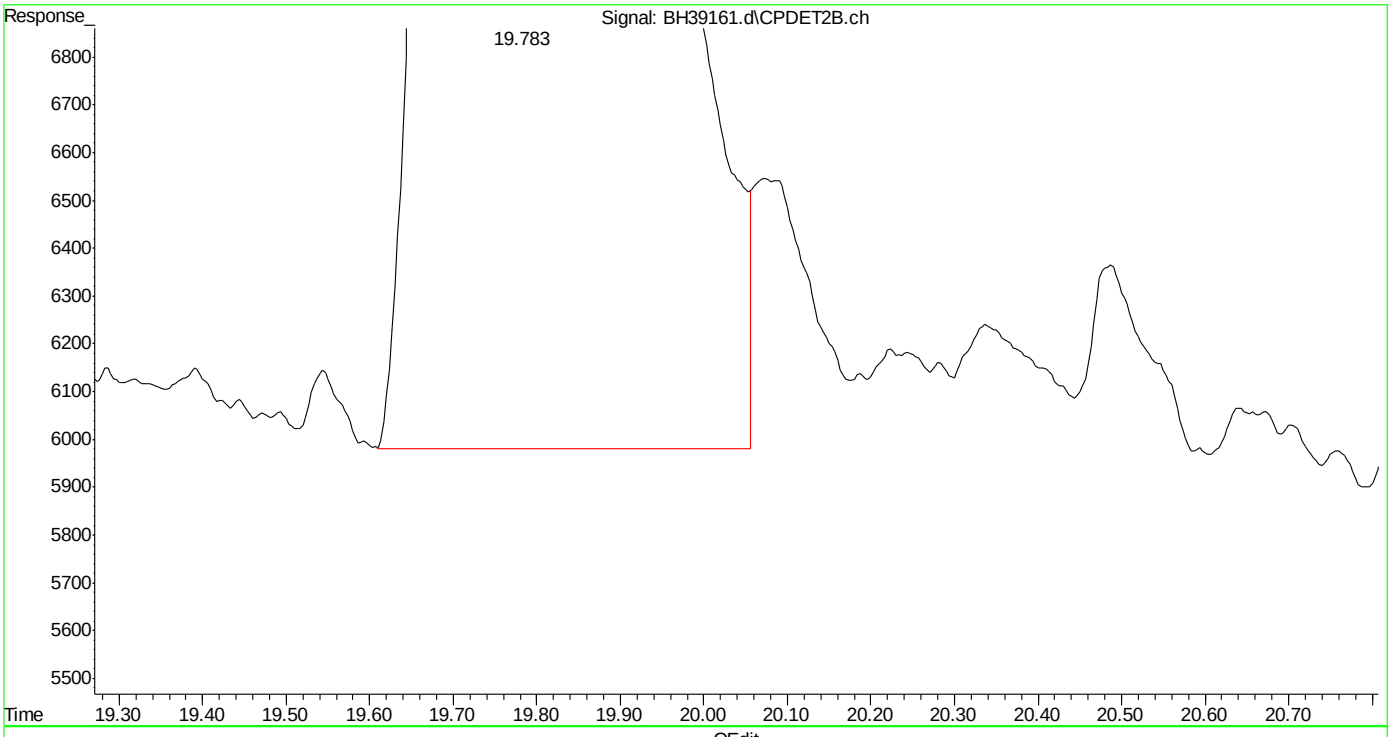
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.783min 45.774 ppb m
response 11625718

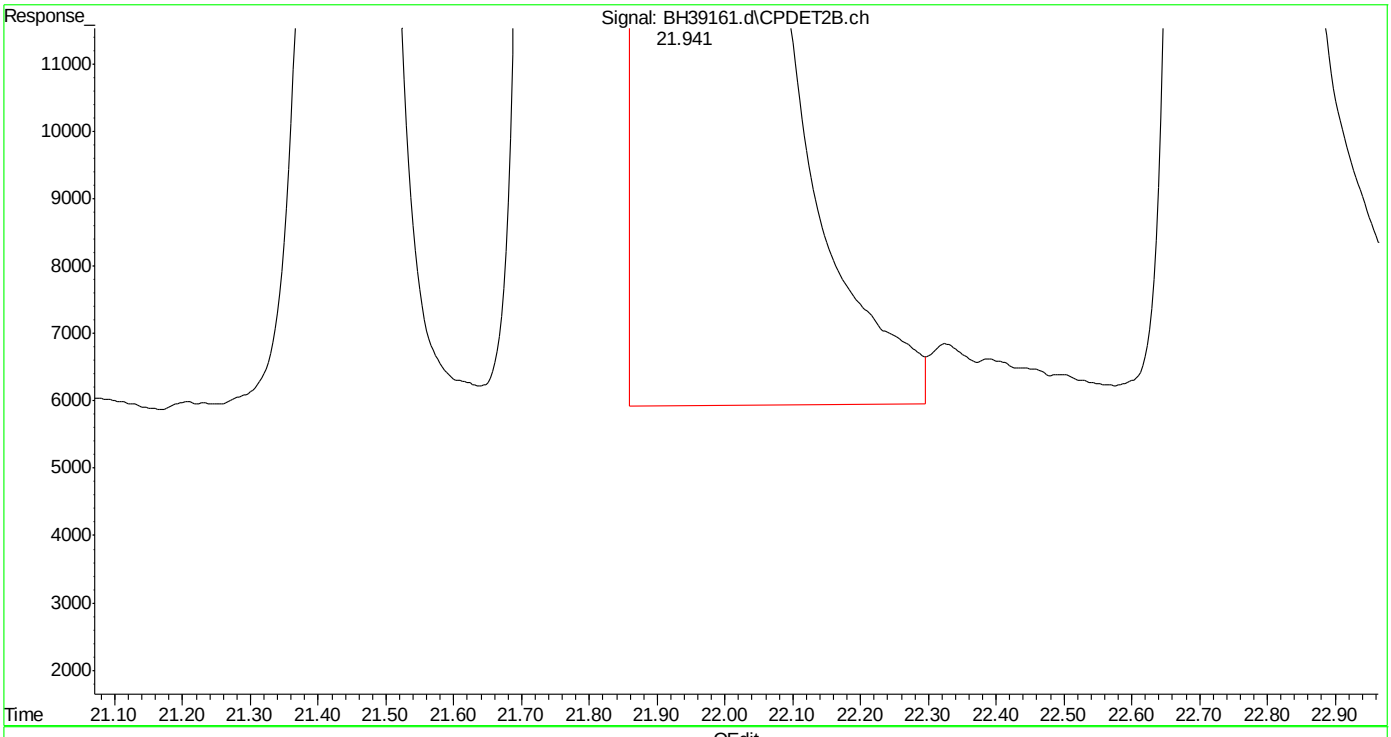
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:38:14 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.942min 91.449 ppb
response 60999723

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:38:22 2016

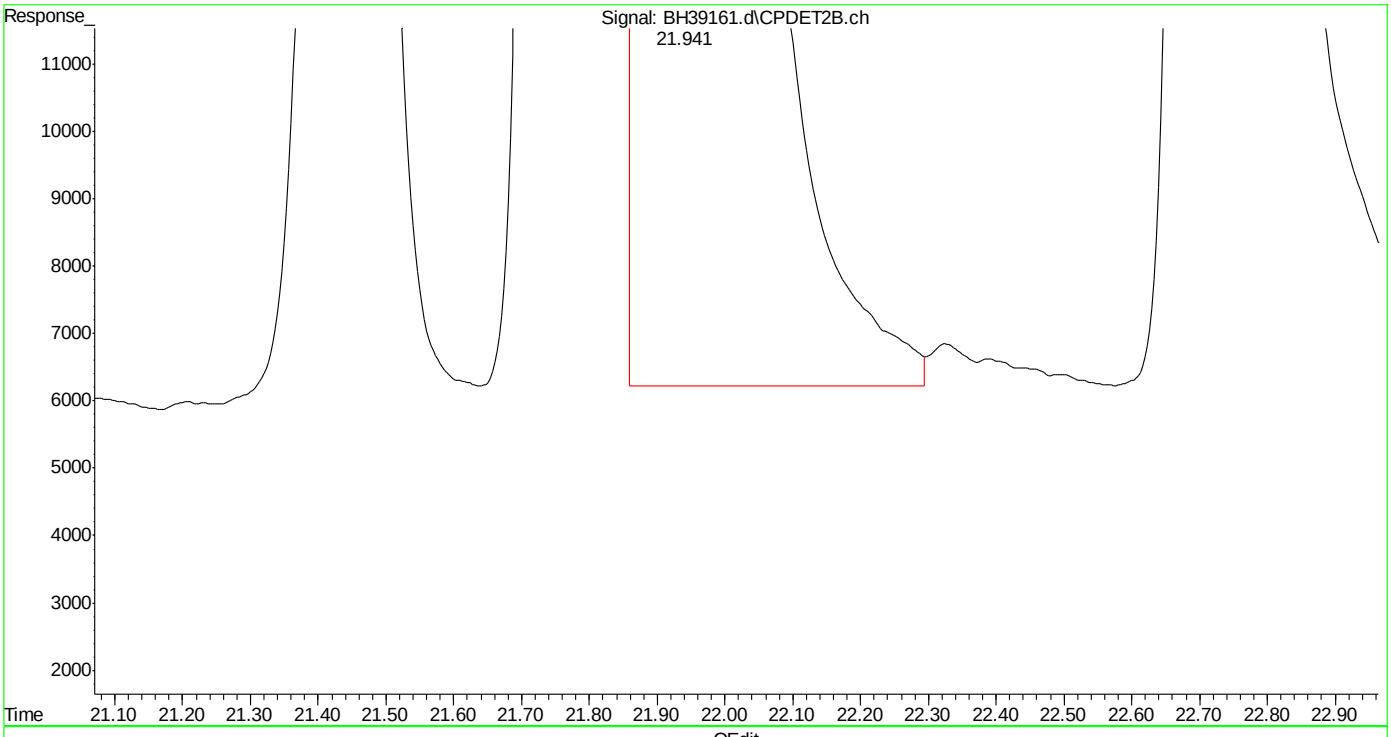
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.941min 91.227 ppb m
response 60851553

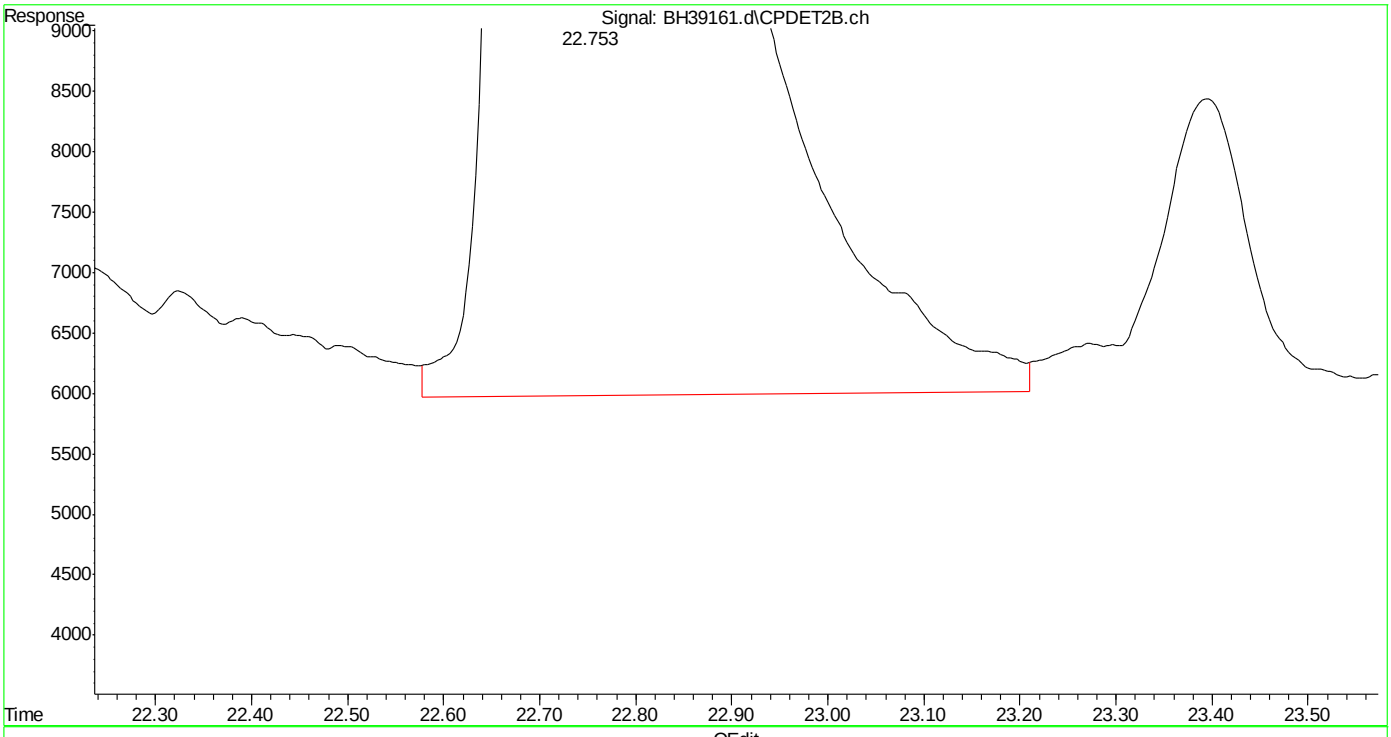
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:38:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 44.815 ppb
response 26088800

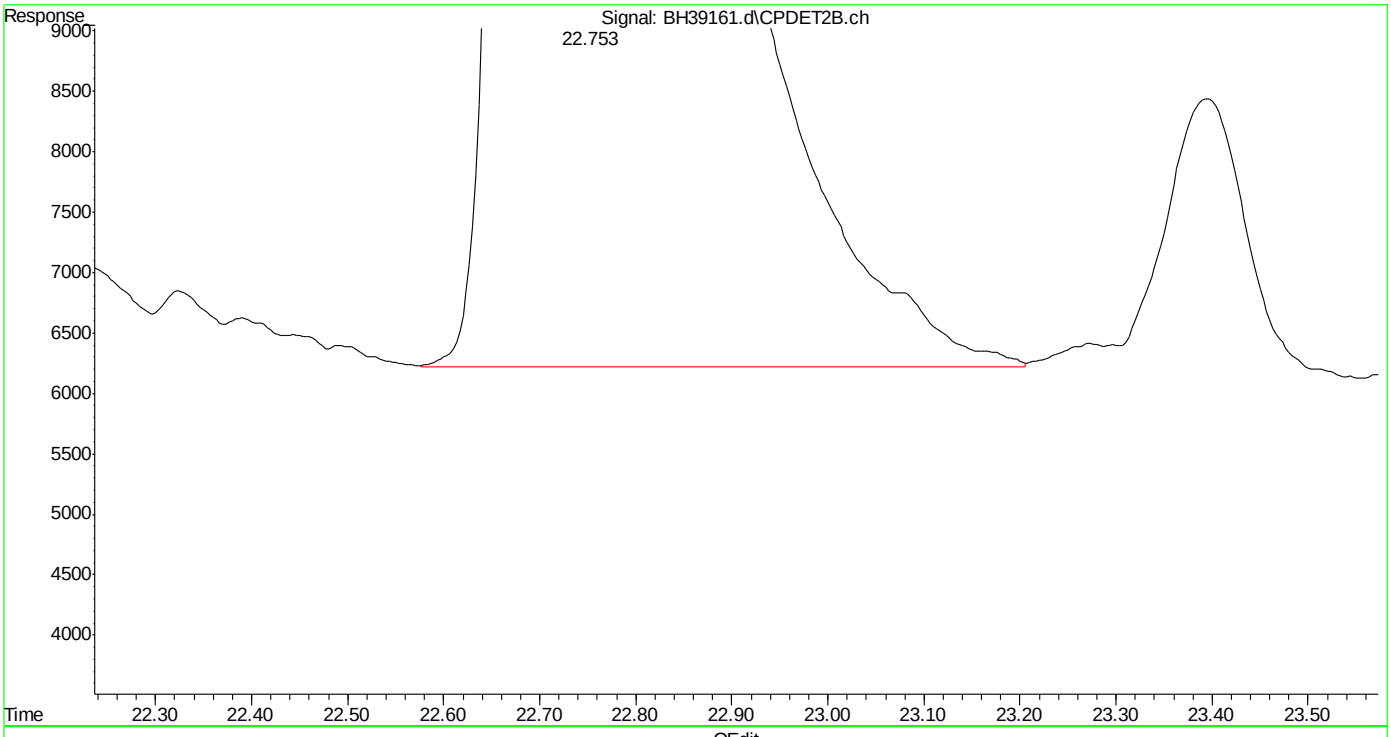
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:38:37 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.753min 44.672 ppb m
response 26005481

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:38:44 2016

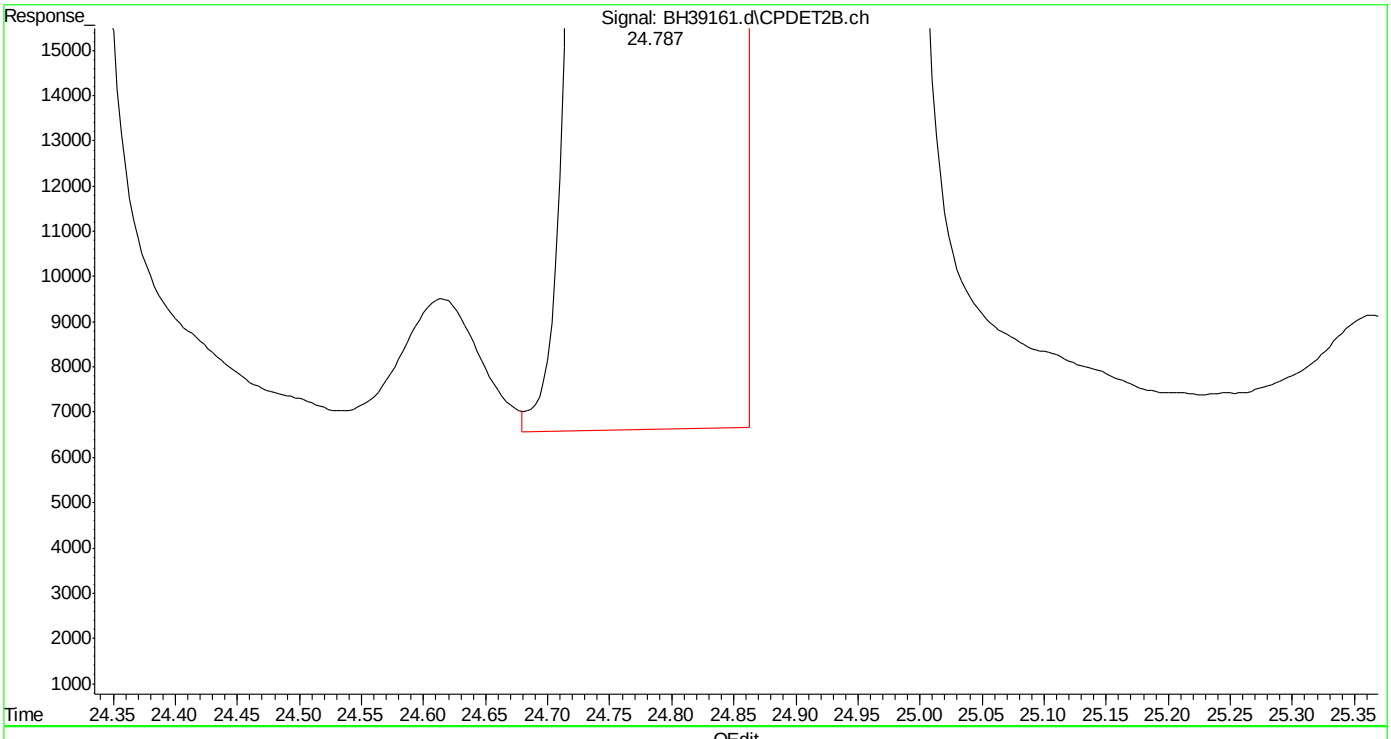
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.789min 45.260 ppb
response 29152845

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:38:52 2016

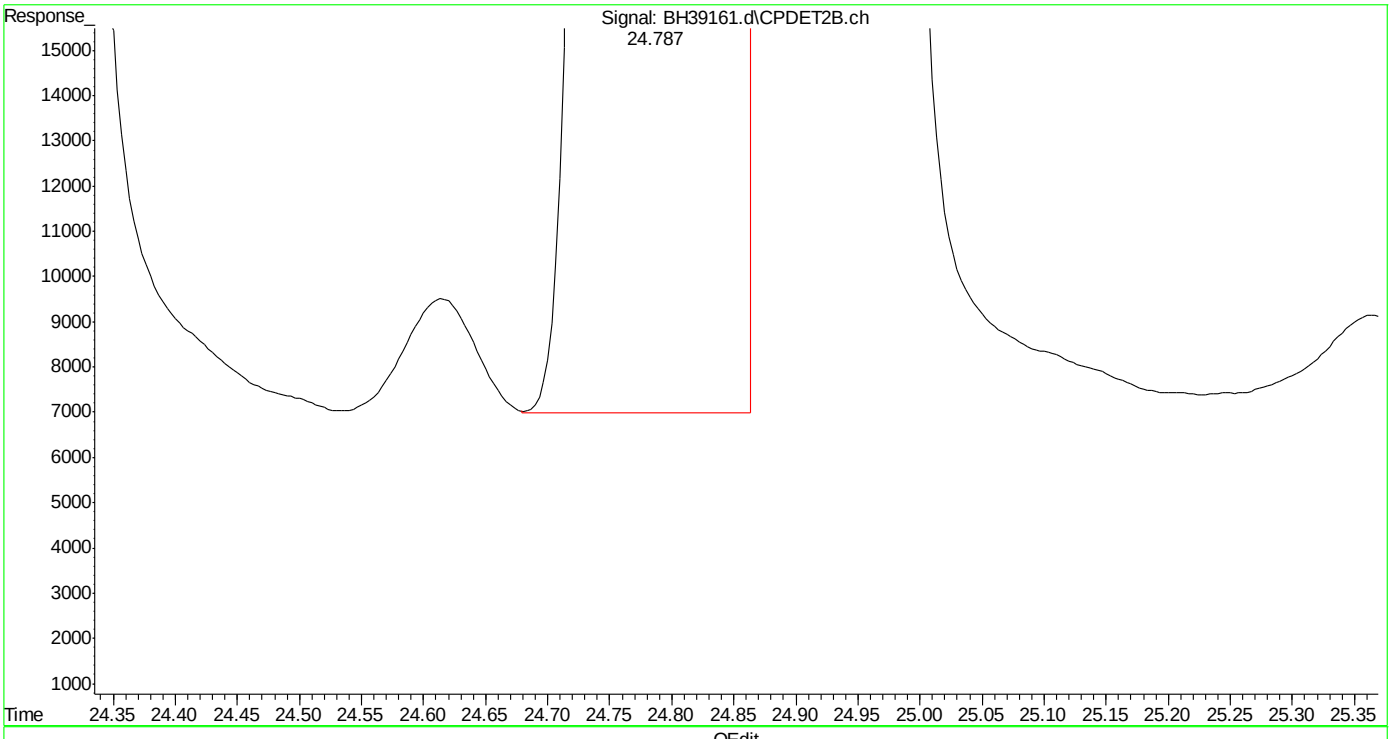
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.787min 45.173 ppb m
response 29096617

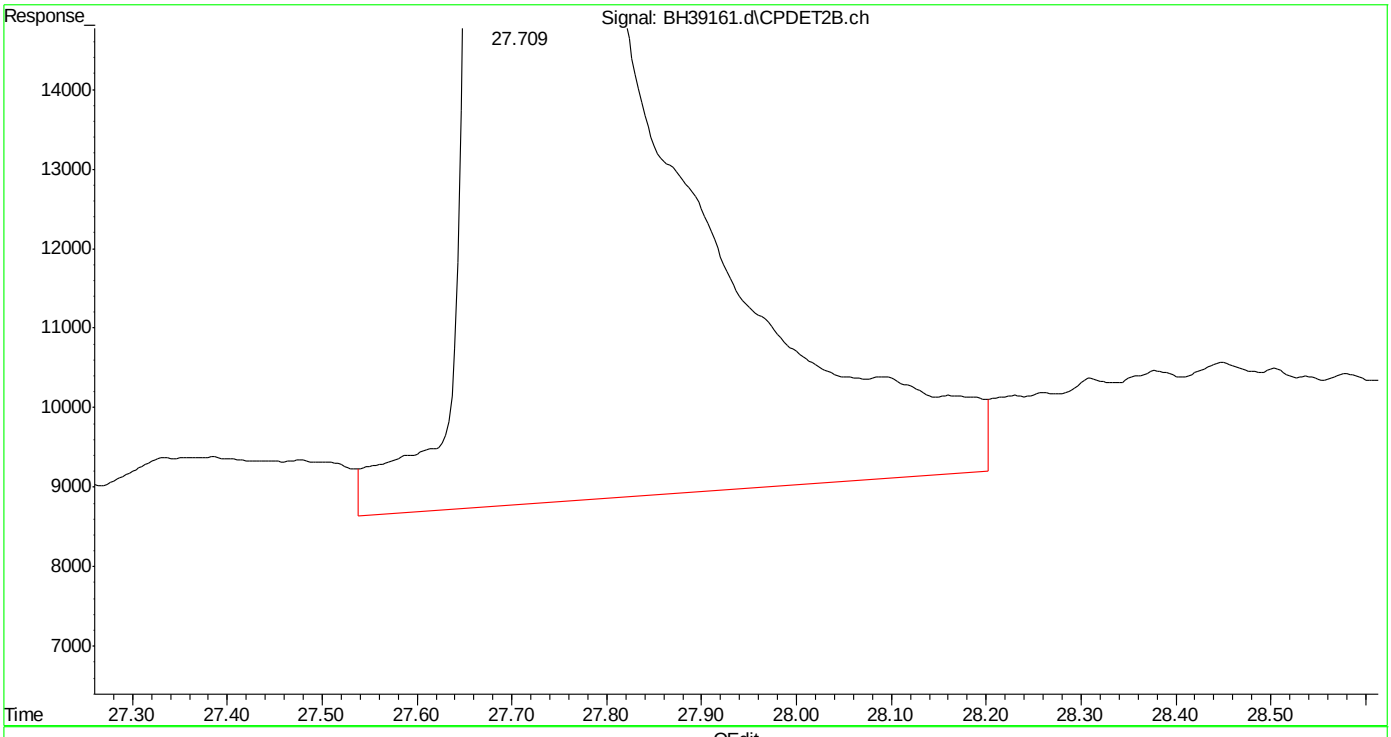
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:38:56 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.710min 50.012 ppb
response 27341462

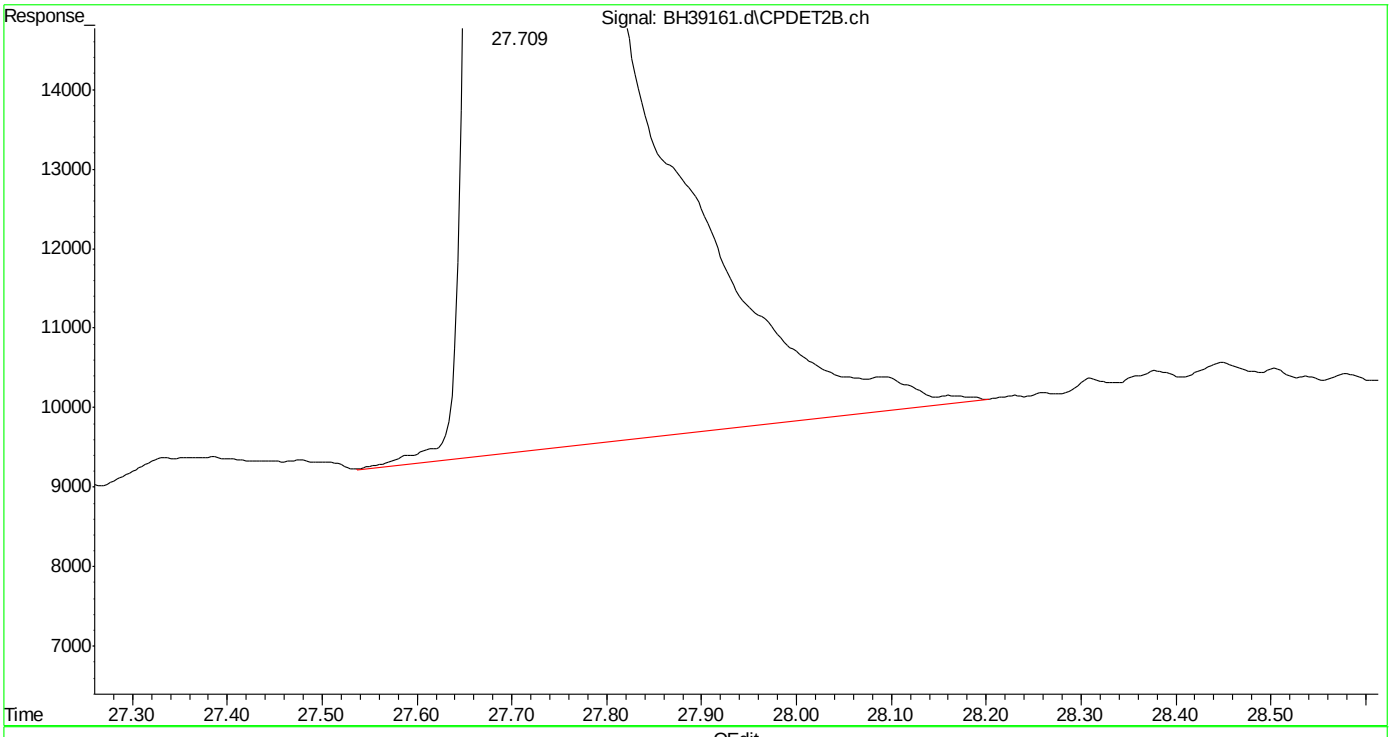
(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:39:04 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39161.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 12:05 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 12 12:35:45 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.709min 49.470 ppb m
response 27045155

(+) = Expected Retention Time
bh160512vph.m Thu May 12 12:39:12 2016

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/13/16 16:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:48:31 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc	Units	
System Monitoring Compounds					
4) s fluorobenzene	14.670	41096557	43.768	ppb	m
Spiked Amount 50.000		Recovery = 87.54%			
6) s 2,3,4-trifluorotoluene	19.784	33950435	41.766	ppb	m
Spiked Amount 50.000		Recovery = 83.53%			
16) s fluorobenzene #2	14.670	18490759	45.497	ppb	m
Spiked Amount 50.000		Recovery = 90.99%			
18) s 2,3,4-trifluorotoluen...	19.784	10953718	43.128	ppb	m
Spiked Amount 50.000		Recovery = 86.26%			
Target Compounds					
1) h rt5.5-7	5.980	32807836	31.767	ppb	m
2) h rt7/10	8.250	39458069	38.207	ppb	m
3) h rt10/13	13.360	48196040	46.667	ppb	m
8) h rt20/25	21.460	44097019	36.663	ppb	m
10) h decane	23.856	44303555	36.835	ppb	m
11) h butylcyclohexane	24.940	49242446	40.941	ppb	m
14) t mtbe #2	9.014	13130213	46.694	ppb	m
15) t benzene #2	14.167	28255041	42.962	ppb	m
17) t toluene #2	18.664	26522194	43.007	ppb	m
19) t ethylbenzene #2	21.800	23512410	42.972	ppb	
20) t m,p-xylene #2	21.942	57897162	86.797	ppb	m
21) t o-xylene #2	22.753	24505723	42.095	ppb	m
22) t 1,3,5-trimethylbenzen...	24.253	35849422	42.900	ppb	
23) t 1,2,4-trimethylbenzen...	24.787	27598454	42.847	ppb	m
24) t naphthalene #2	27.705	26190312	47.906	ppb	m
25) h c9-c10 arom as 1,2,4-tmb	24.800	27626218	42.896	ppb	m

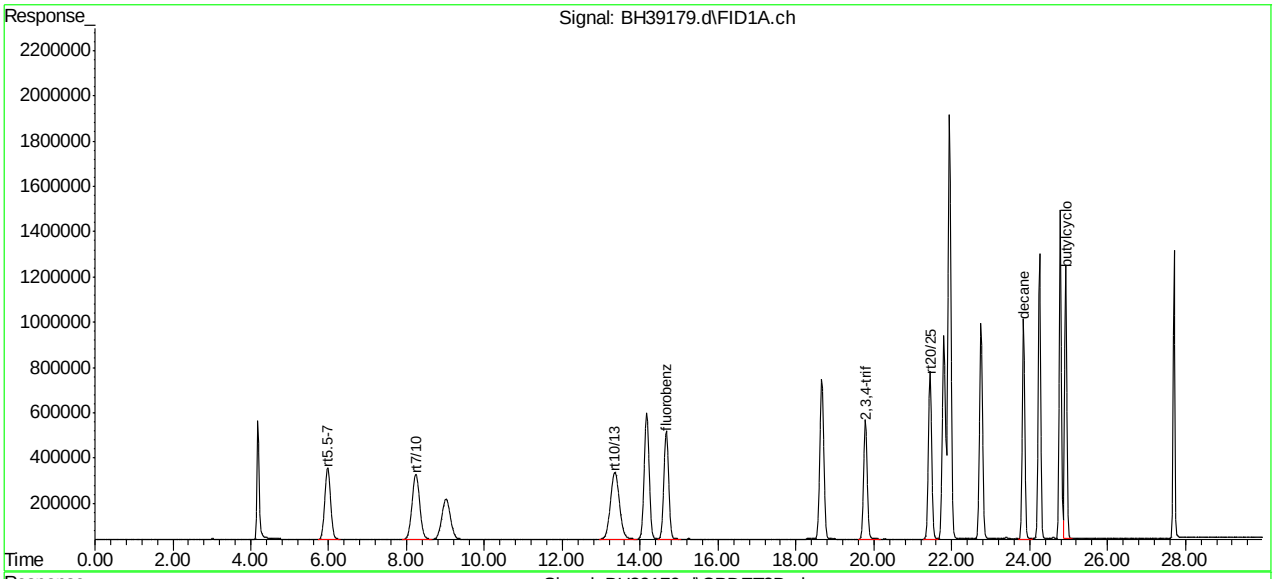
(f)=RT Delta > 1/2 Window (m)=manual int.

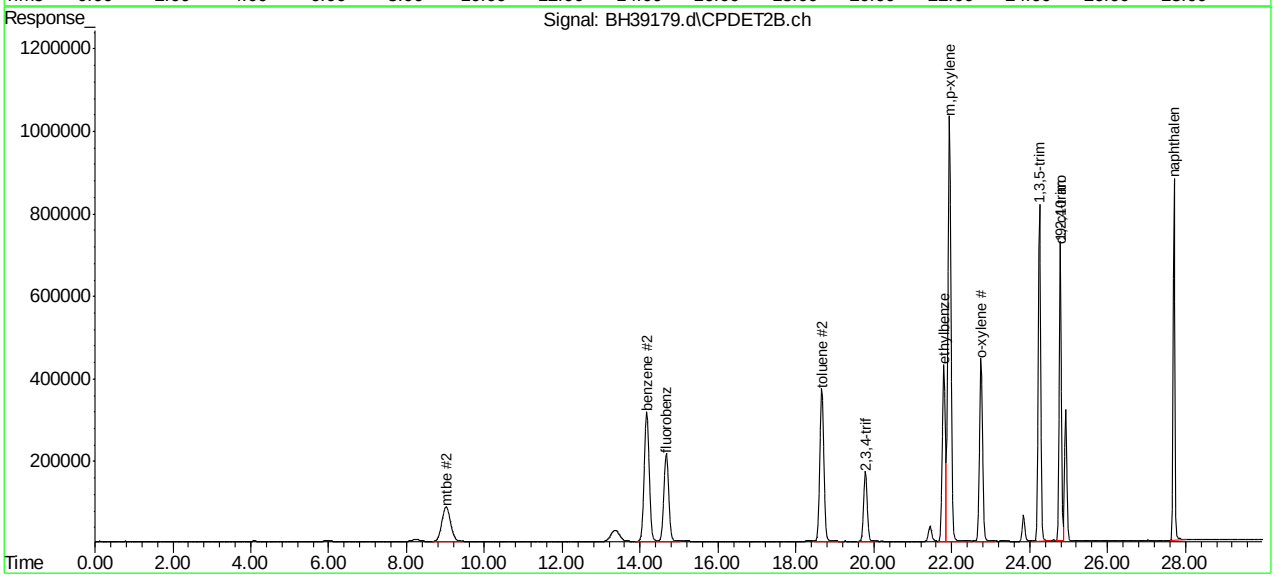
Quantitation Report (QT Reviewed)

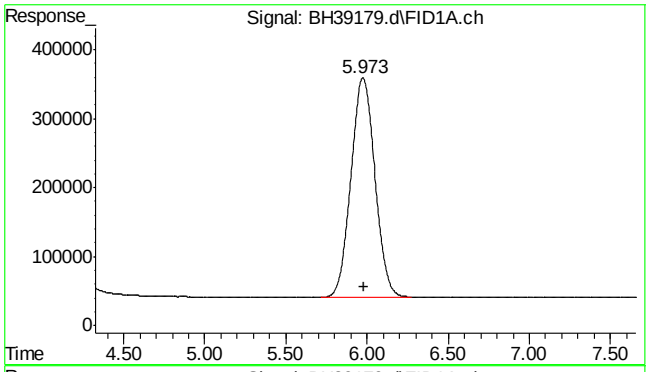
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:48:31 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

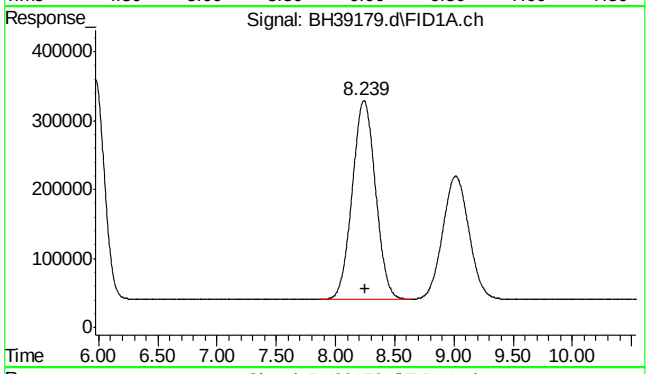






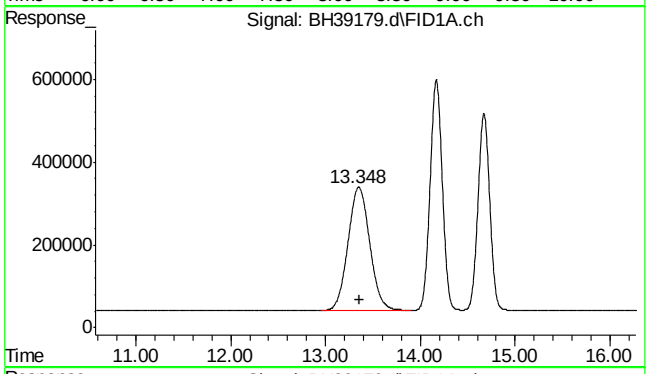
#1 rt5.5-7

R.T.: 5.980 min
Delta R.T.: 0.000 min
Response: 32807836
Conc: 31.77 ppb m



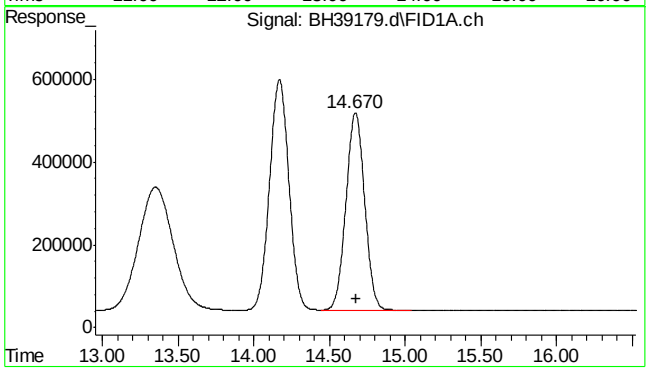
#2 rt7/10

R.T.: 8.250 min
Delta R.T.: 0.000 min
Response: 39458069
Conc: 38.21 ppb m



#3 rt10/13

R.T.: 13.360 min
Delta R.T.: 0.000 min
Response: 48196040
Conc: 46.67 ppb m



#4 fluorobenzene

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 41096557
Conc: 43.77 ppb m

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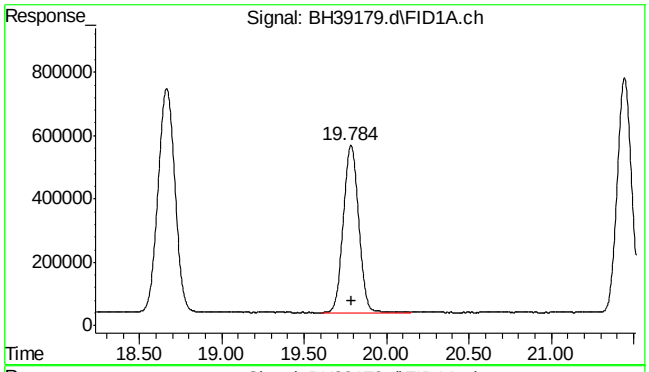
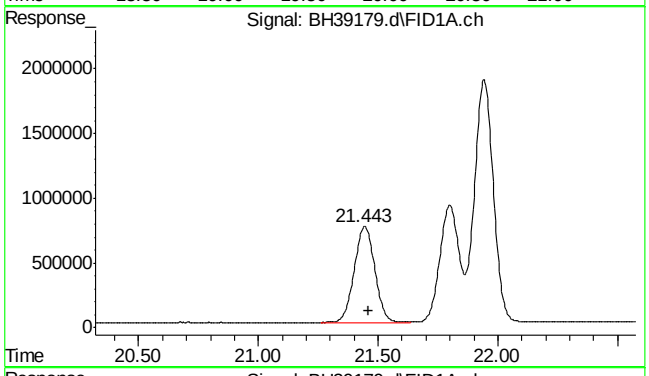


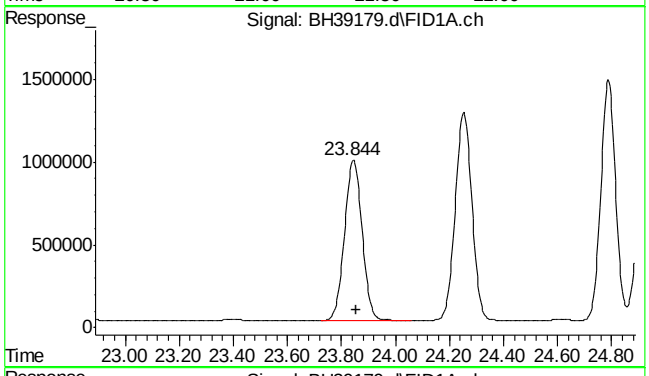
#6 2,3,4-trifluorotoluene

R.T.: 19.784 min
Delta R.T.: -0.002 min
Response: 33950435
Conc: 41.77 ppb m



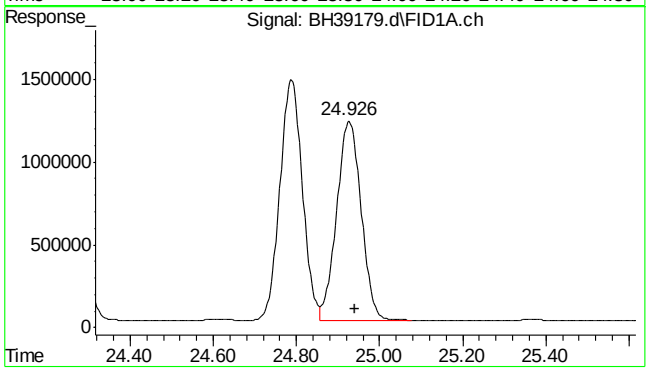
#8 rt20/25

R.T.: 21.460 min
Delta R.T.: 0.000 min
Response: 44097019
Conc: 36.66 ppb m



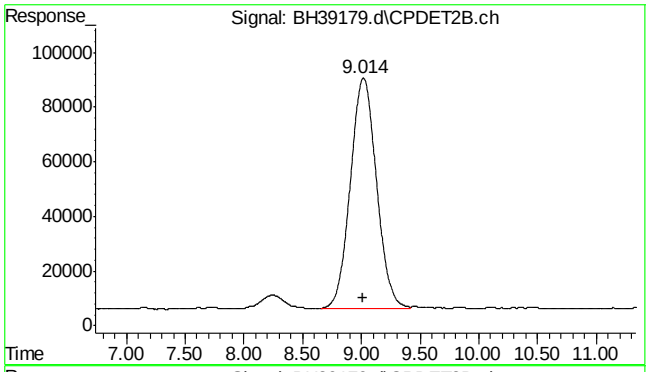
#10 decane

R.T.: 23.856 min
Delta R.T.: 0.000 min
Response: 44303555
Conc: 36.83 ppb m



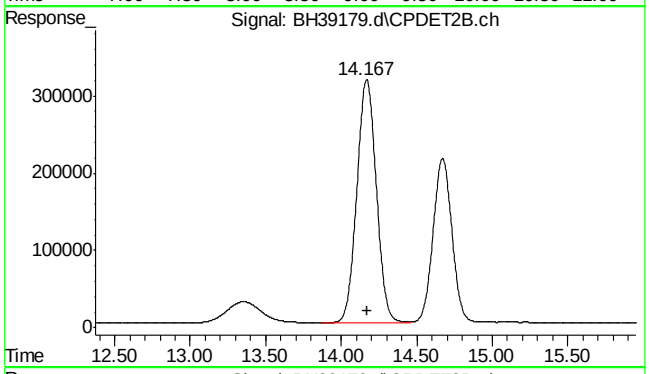
#11 butylcyclohexane

R.T.: 24.940 min
Delta R.T.: 0.000 min
Response: 49242446
Conc: 40.94 ppb m



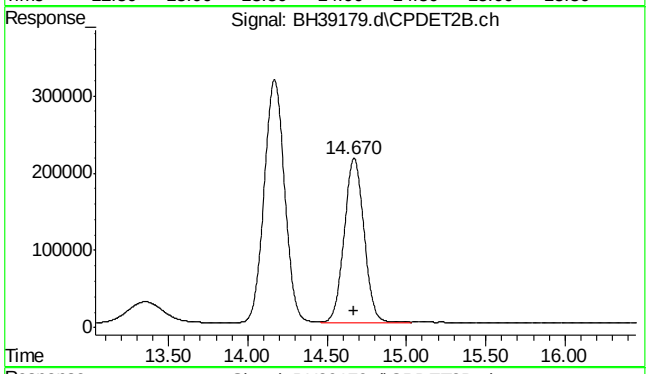
#14 mtbe #2

R.T.: 9.014 min
Delta R.T.: -0.002 min
Response: 13130213
Conc: 46.69 ppb m



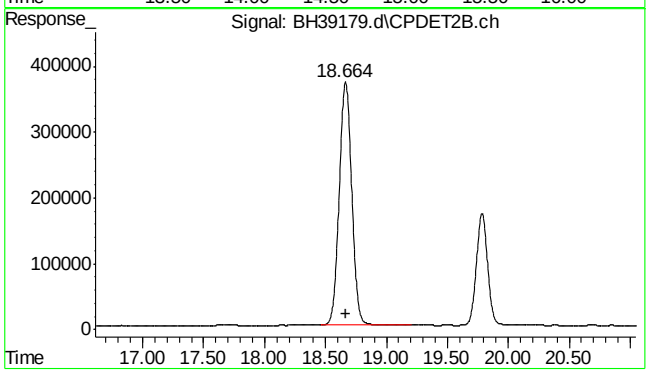
#15 benzene #2

R.T.: 14.167 min
Delta R.T.: -0.002 min
Response: 28255041
Conc: 42.96 ppb m



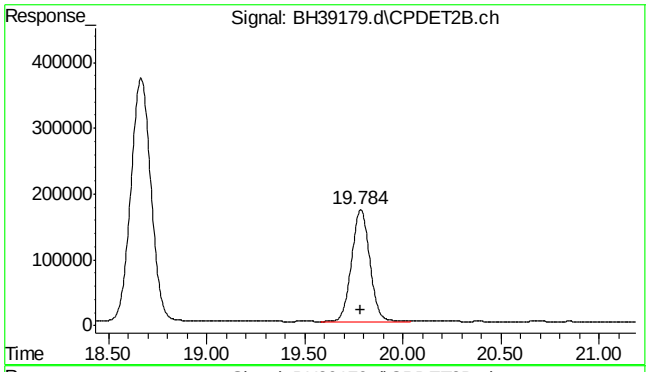
#16 fluorobenzene #2

R.T.: 14.670 min
Delta R.T.: -0.002 min
Response: 18490759
Conc: 45.50 ppb m



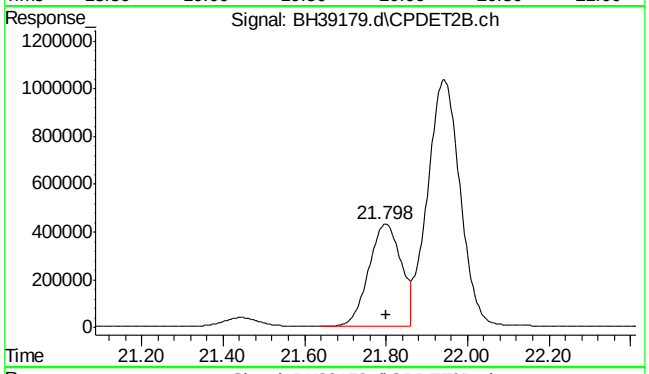
#17 toluene #2

R.T.: 18.664 min
Delta R.T.: -0.002 min
Response: 26522194
Conc: 43.01 ppb m



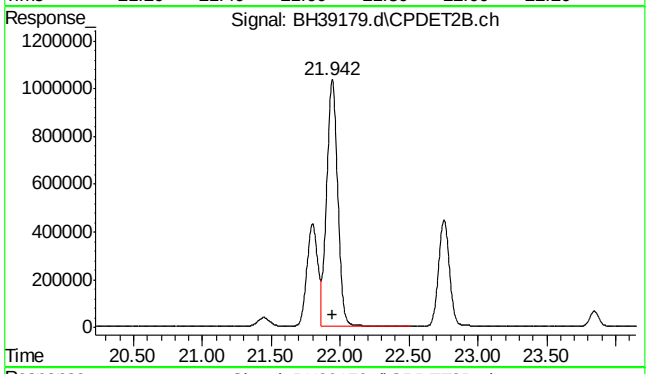
#18 2,3,4-trifluorotoluene #2

R.T.: 19.784 min
Delta R.T.: -0.001 min
Response: 10953718
Conc: 43.13 ppb m



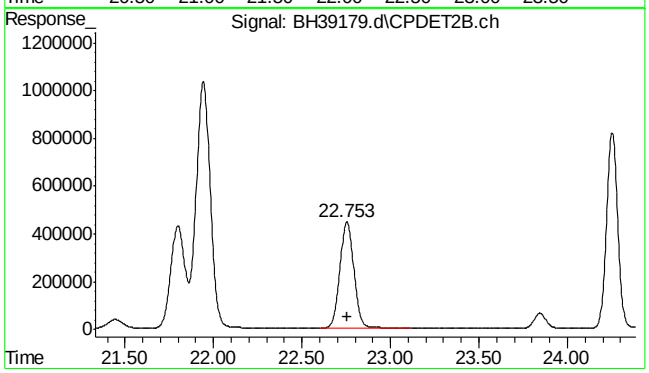
#19 ethylbenzene #2

R.T.: 21.800 min
Delta R.T.: 0.000 min
Response: 23512410
Conc: 42.97 ppb



#20 m,p-xylene #2

R.T.: 21.942 min
Delta R.T.: -0.001 min
Response: 57897162
Conc: 86.80 ppb m



#21 o-xylene #2

R.T.: 22.753 min
Delta R.T.: -0.002 min
Response: 24505723
Conc: 42.10 ppb m

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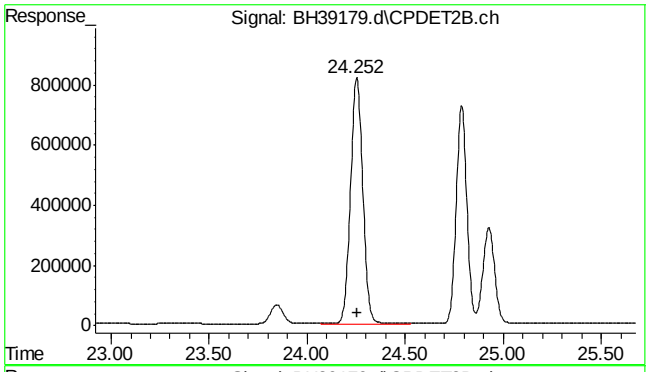
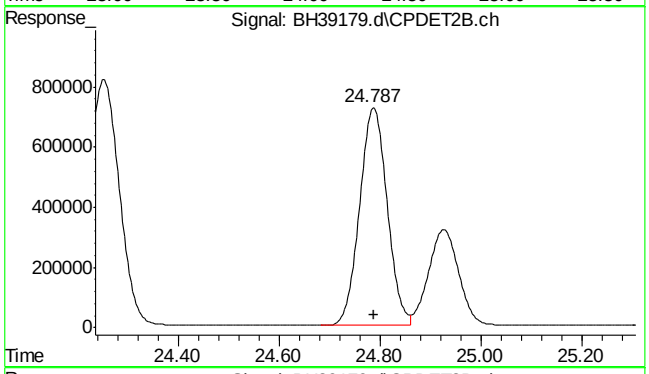


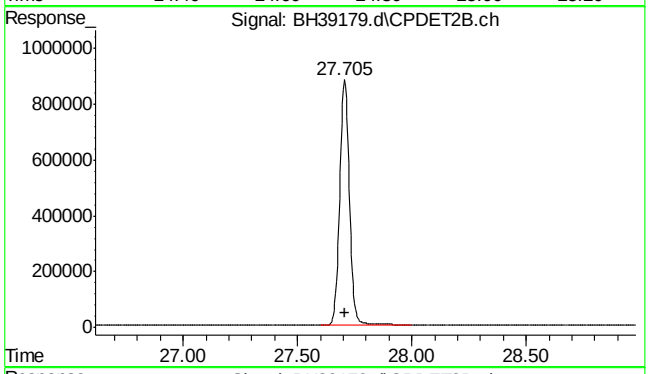
#22 1,3,5-trimethylbenzene #2

R.T.: 24.253 min
Delta R.T.: 0.000 min
Response: 35849422
Conc: 42.90 ppb



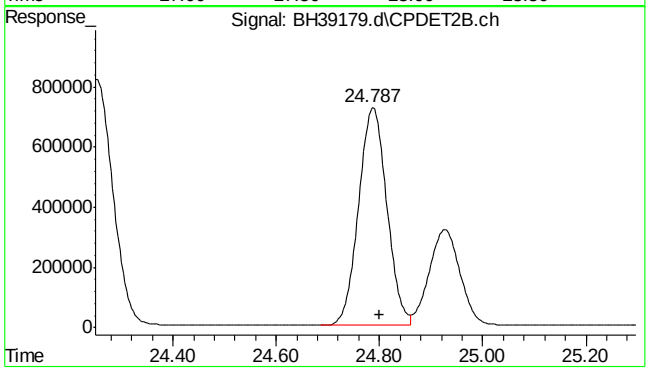
#23 1,2,4-trimethylbenzene #2

R.T.: 24.787 min
Delta R.T.: -0.002 min
Response: 27598454
Conc: 42.85 ppb m



#24 naphthalene #2

R.T.: 27.705 min
Delta R.T.: -0.003 min
Response: 26190312
Conc: 47.91 ppb m



#25 c9-c10 arom as 1,2,4-tmb

R.T.: 24.800 min
Delta R.T.: 0.000 min
Response: 27626218
Conc: 42.90 ppb m

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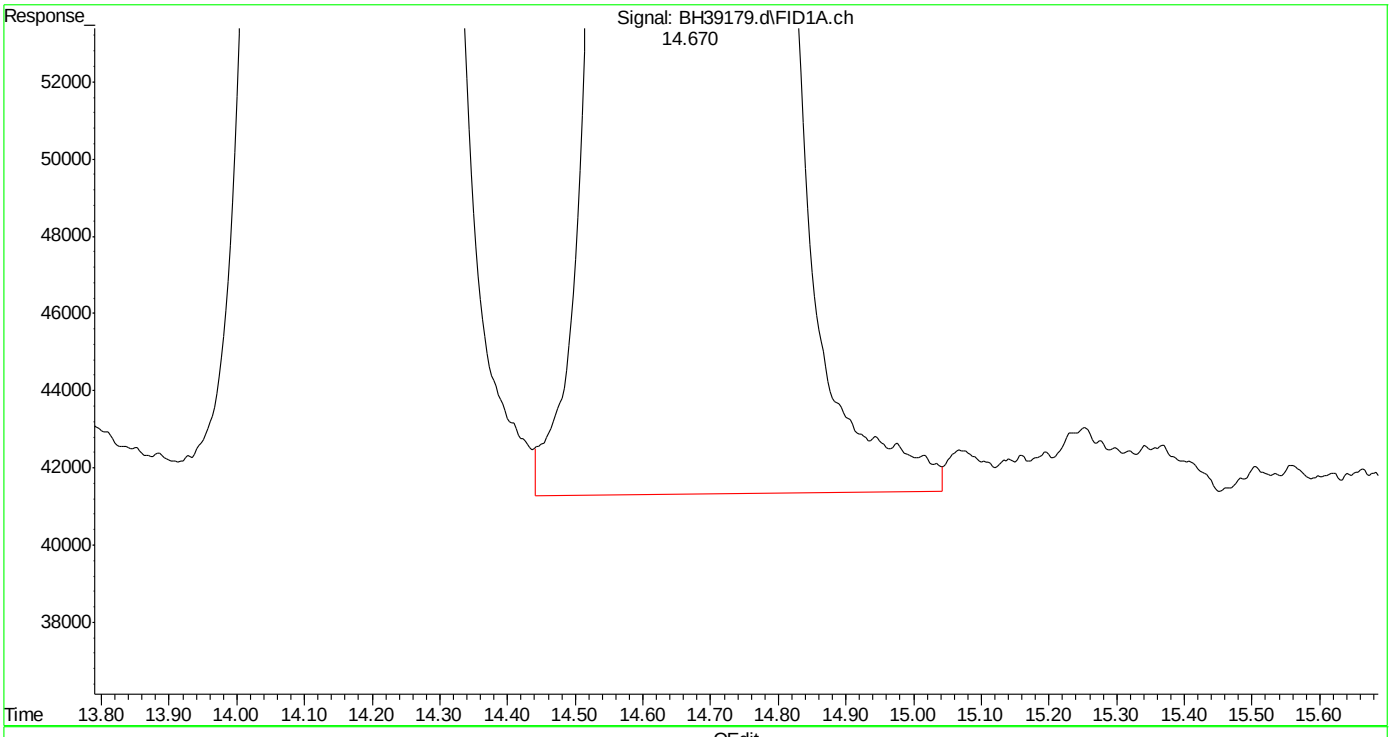
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.671min 44.007 ppb
response 41321012

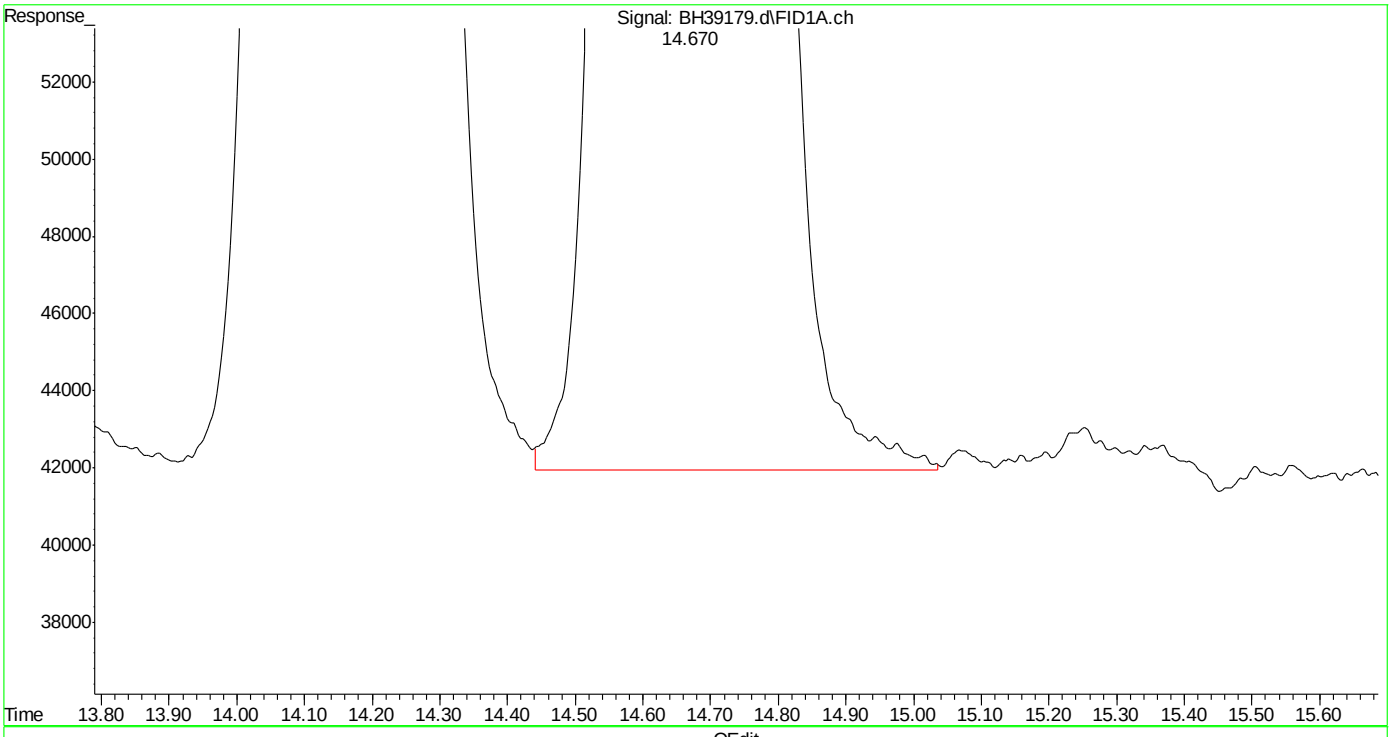
(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:45:19 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(4) fluorobenzene (s)
14.670min 43.768 ppb m
response 41096557

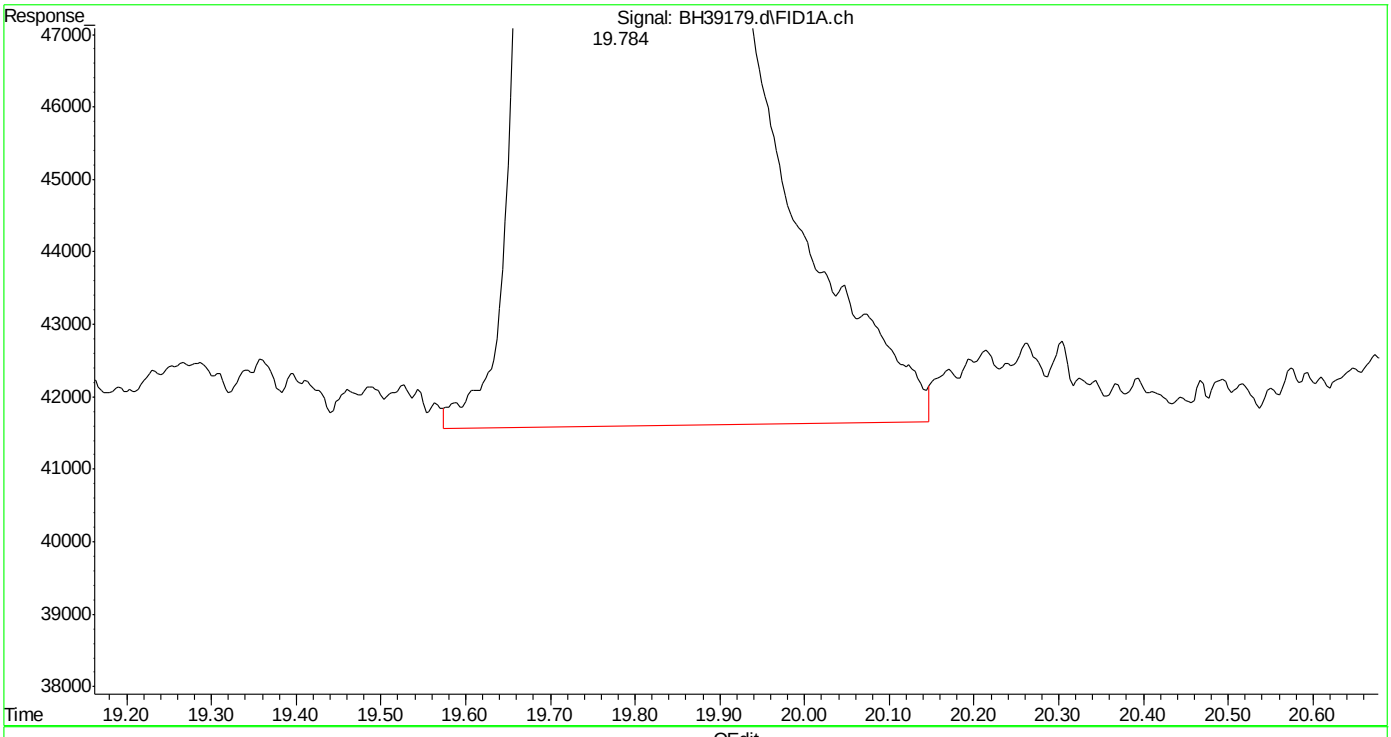
(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:45:25 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.785min 41.863 ppb
response 34029443

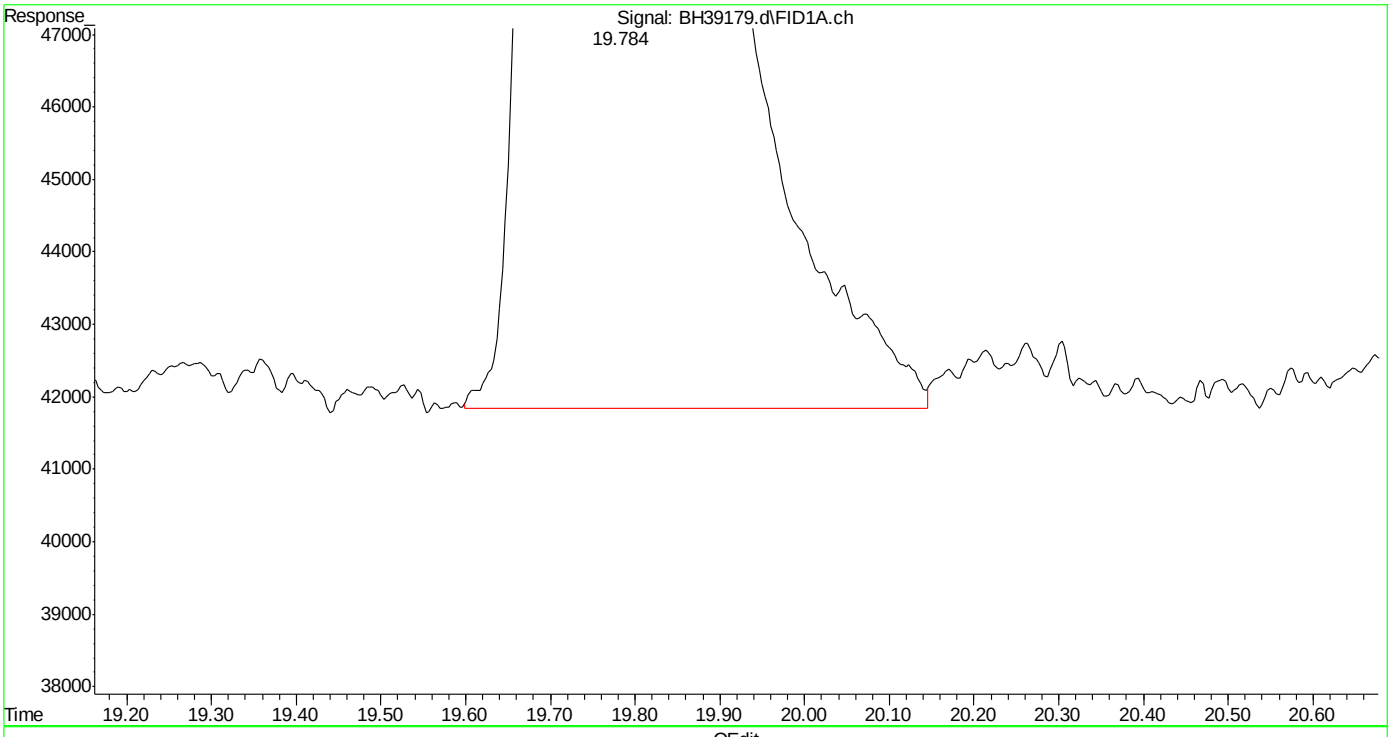
(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:45:30 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(6) 2,3,4-trifluorotoluene (s)
19.784min 41.766 ppb m
response 33950435

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:45:37 2016

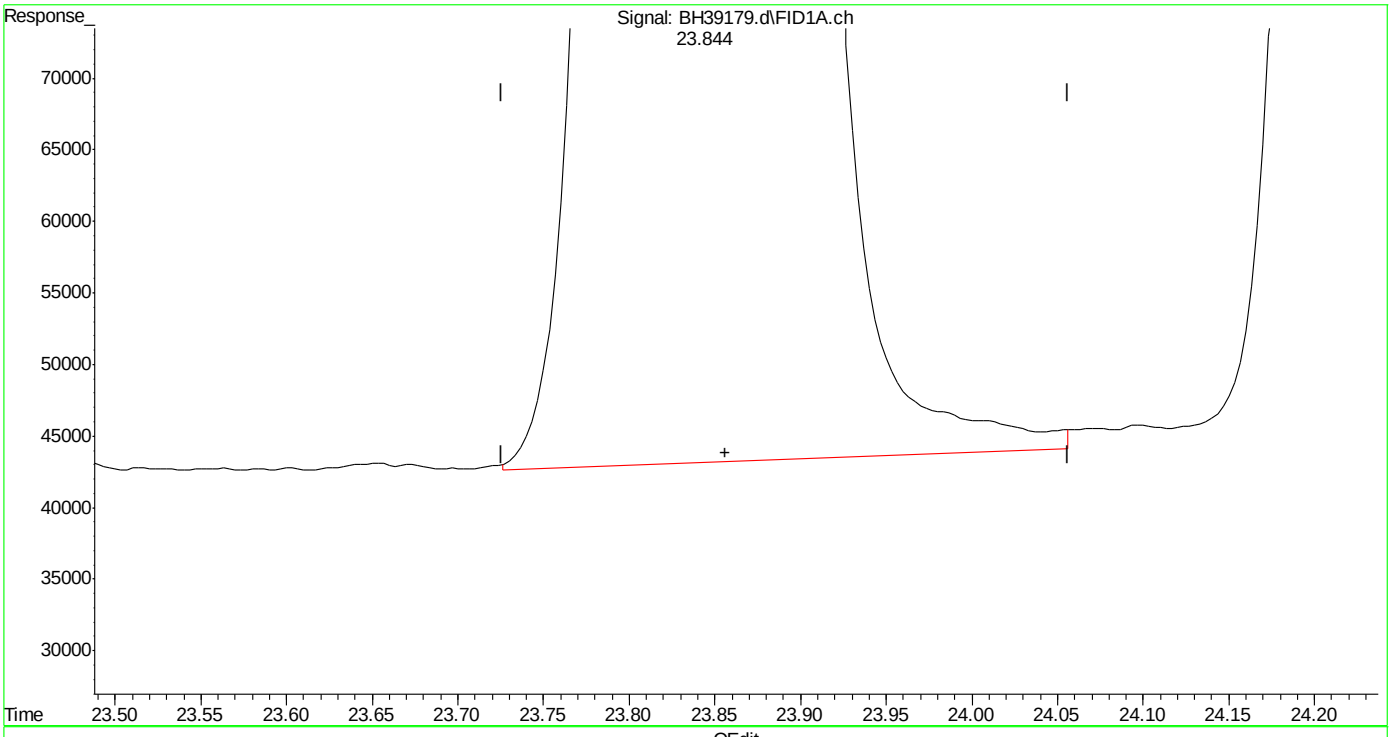
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 36.714 ppb
response 44158791

(+) = Expected Retention Time

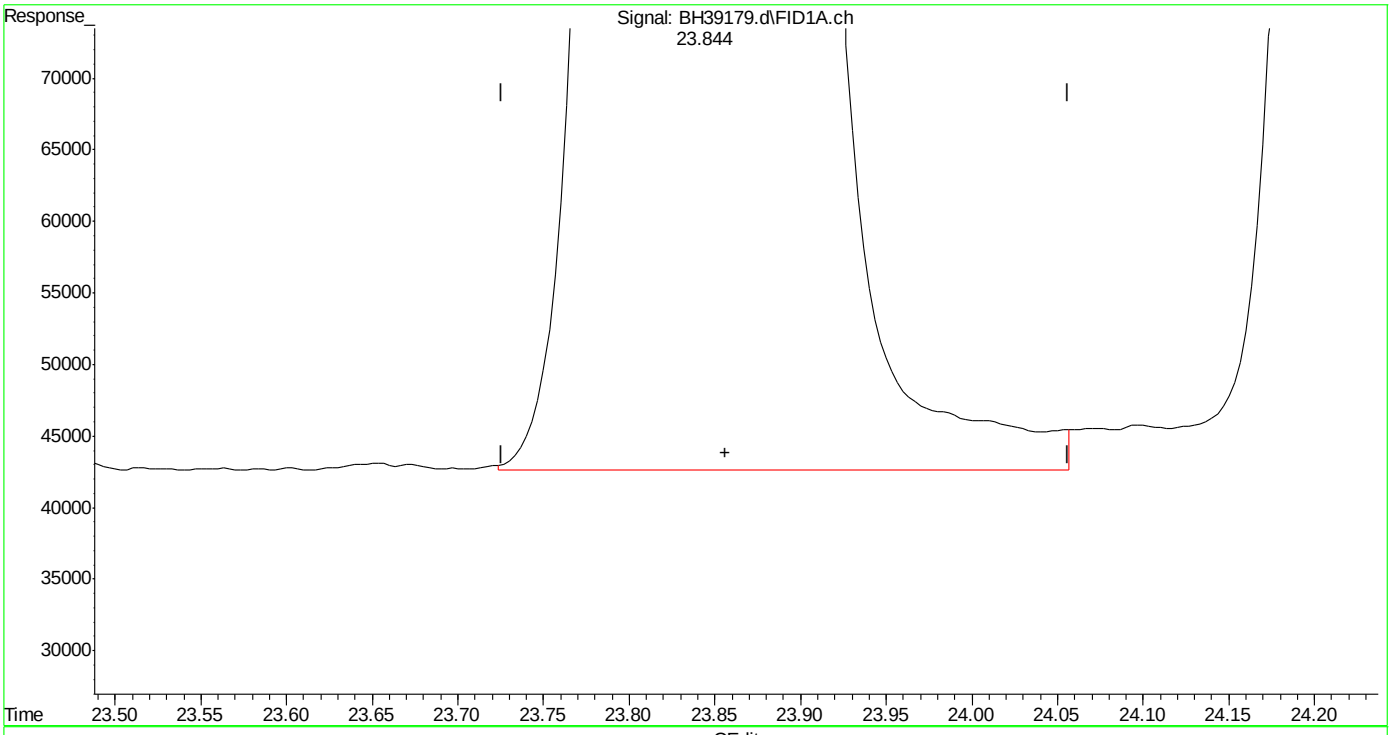
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) decane (h)
23.856min 36.835 ppb m
response 44303555

(+) = Expected Retention Time

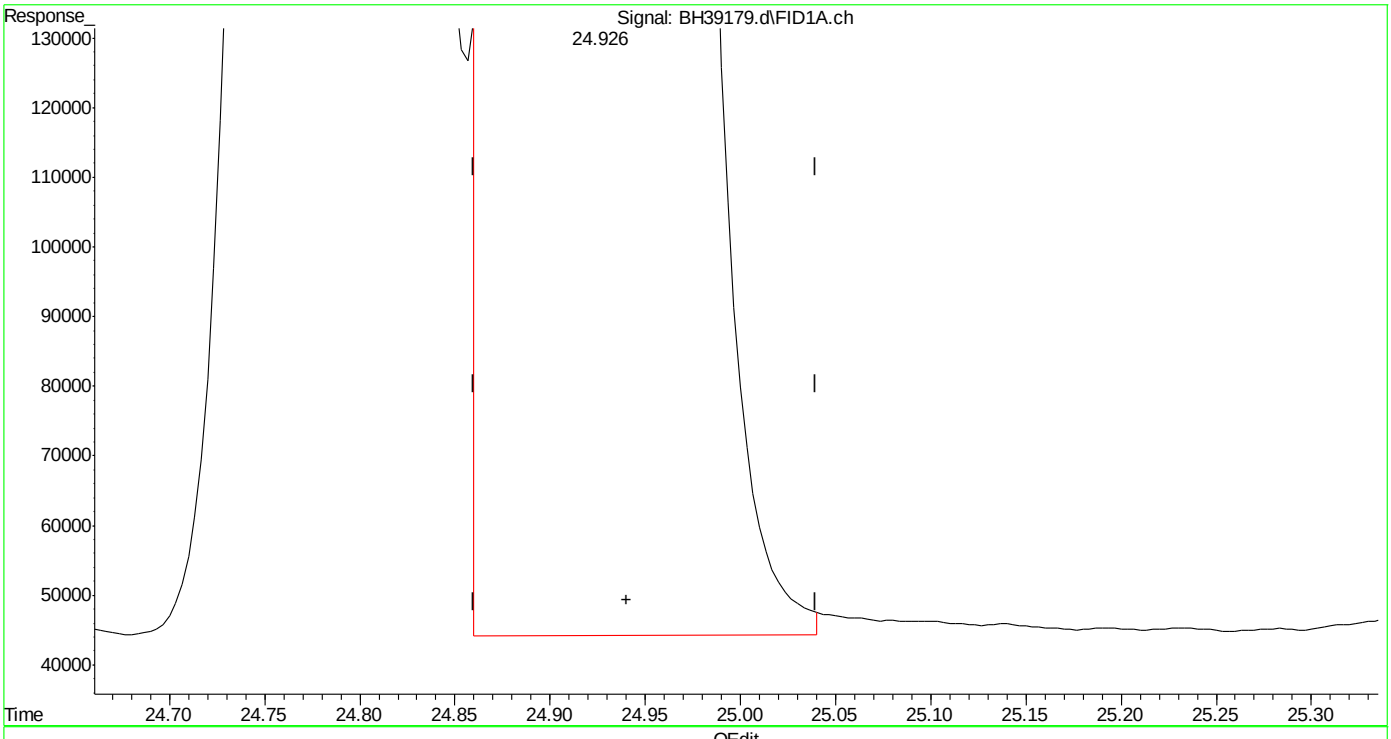
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 40.592 ppb
response 48822955

(+) = Expected Retention Time

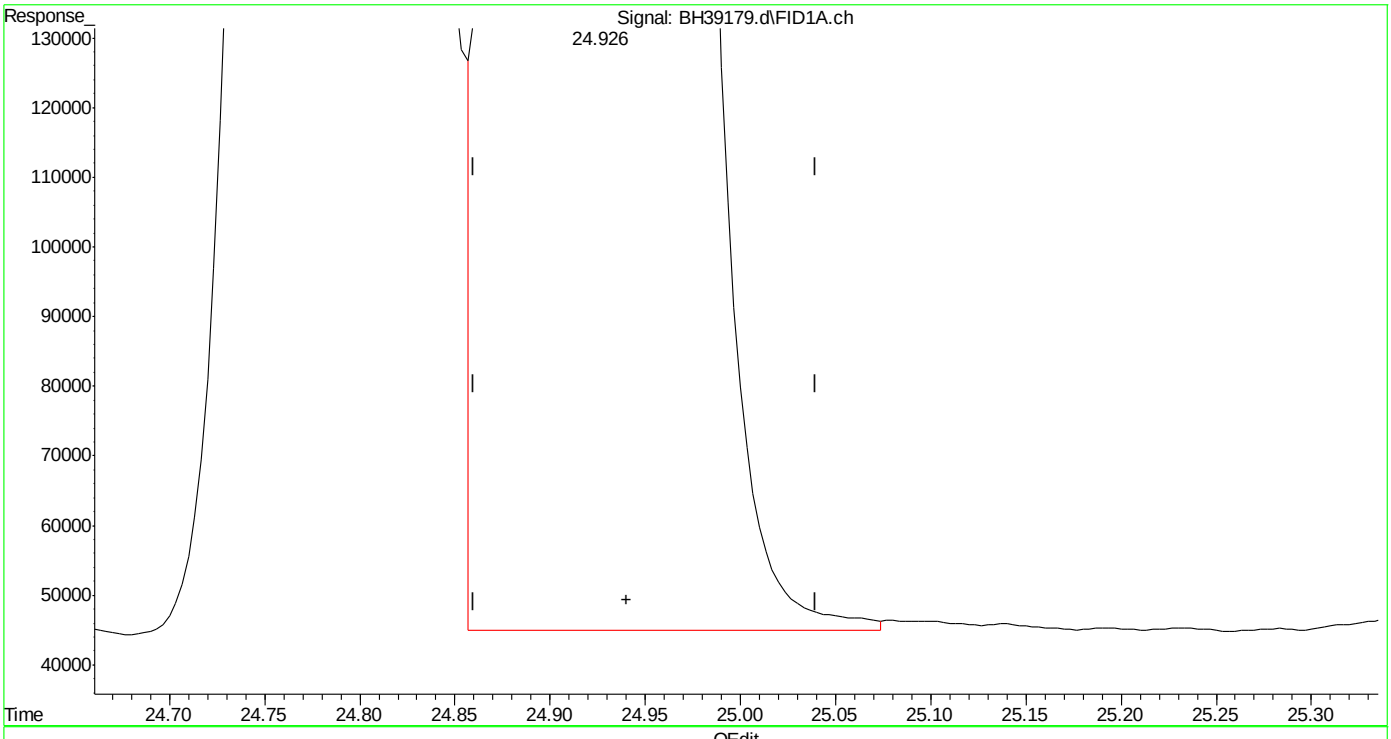
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(11) butylcyclohexane (h)
24.940min 40.941 ppb m
response 49242446

(+) = Expected Retention Time

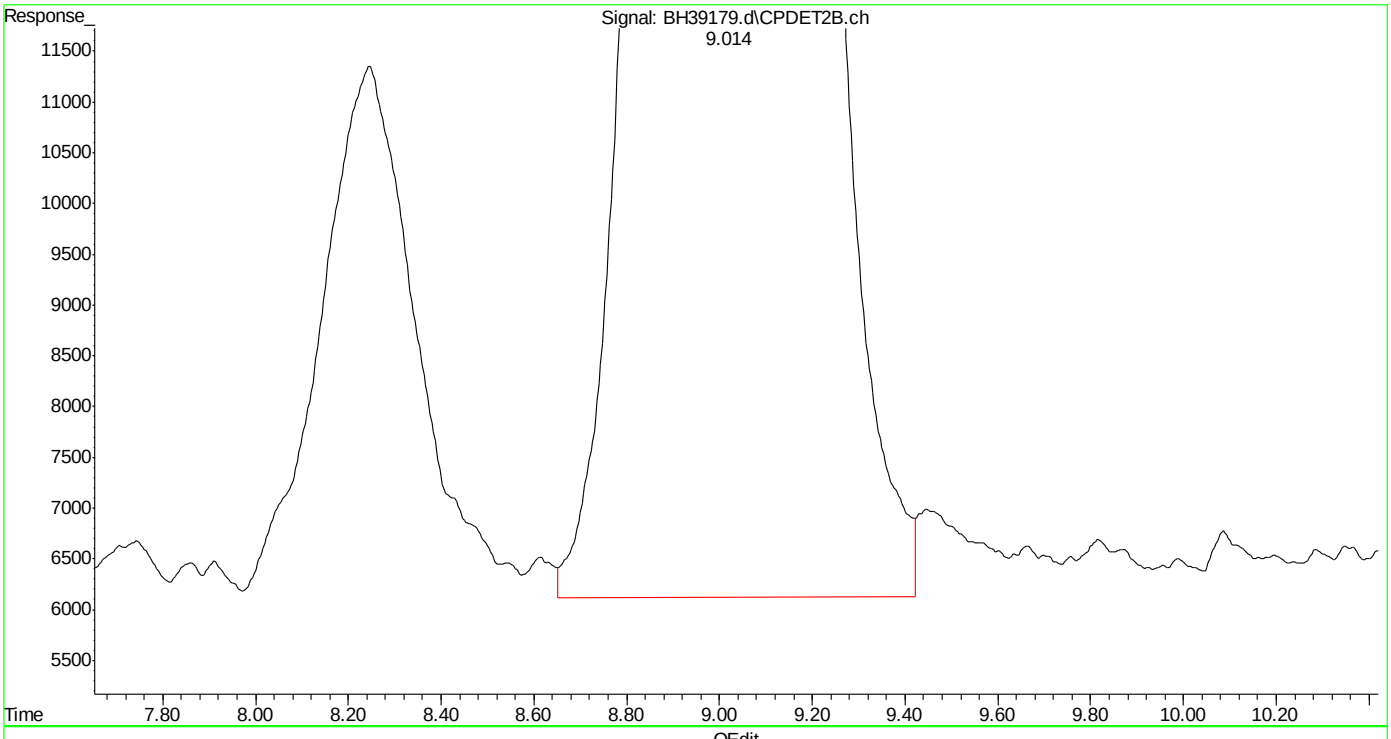
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.016min 46.779 ppb
response 13154262

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:46:28 2016

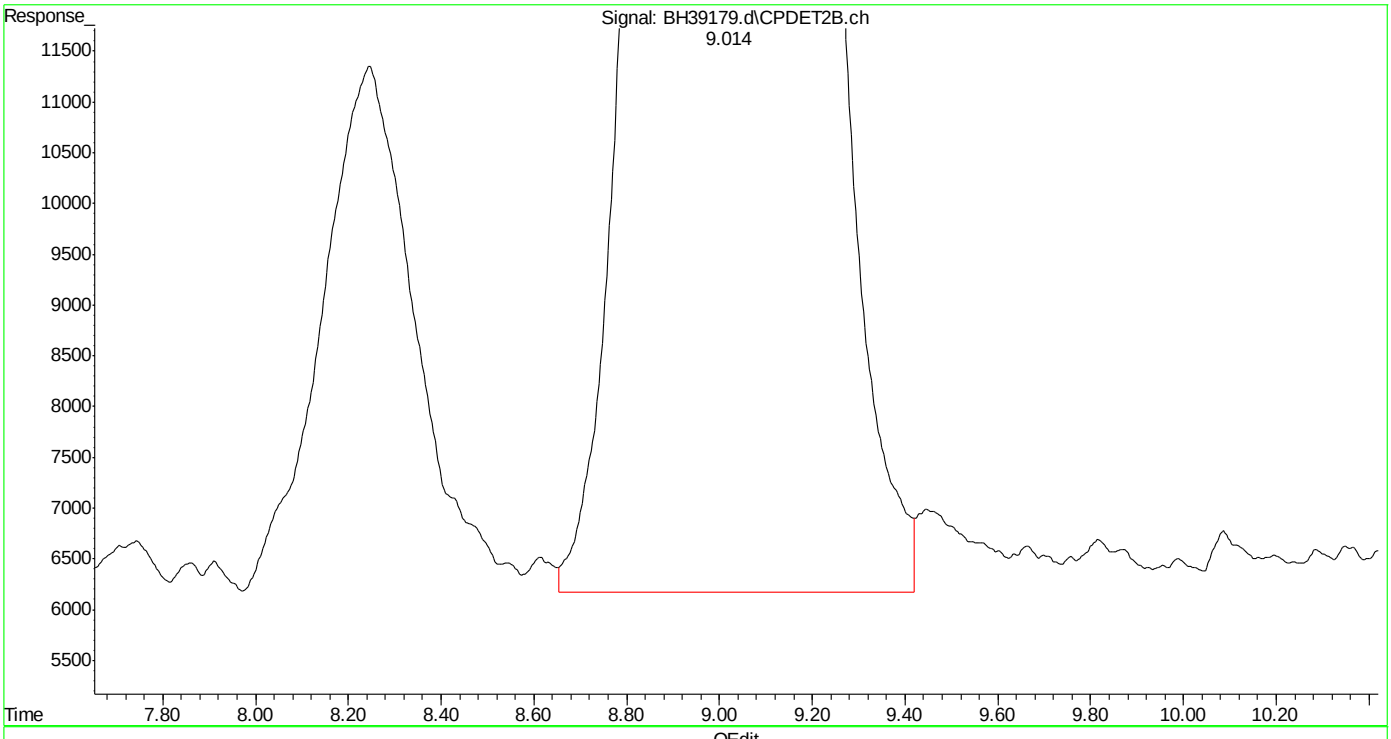
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) mtbe #2 (t)
9.014min 46.694 ppb m
response 13130213

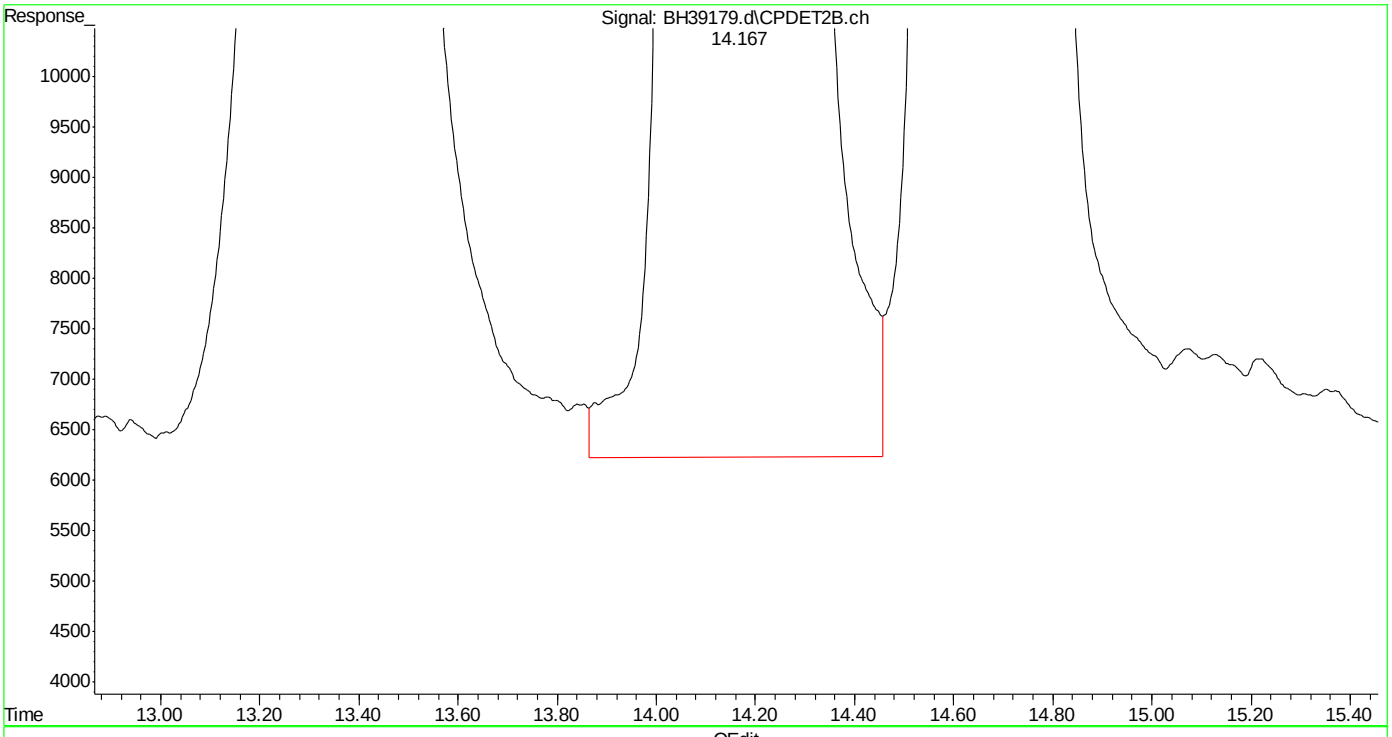
(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:46:34 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.169min 43.072 ppb
response 28327820

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:46:39 2016

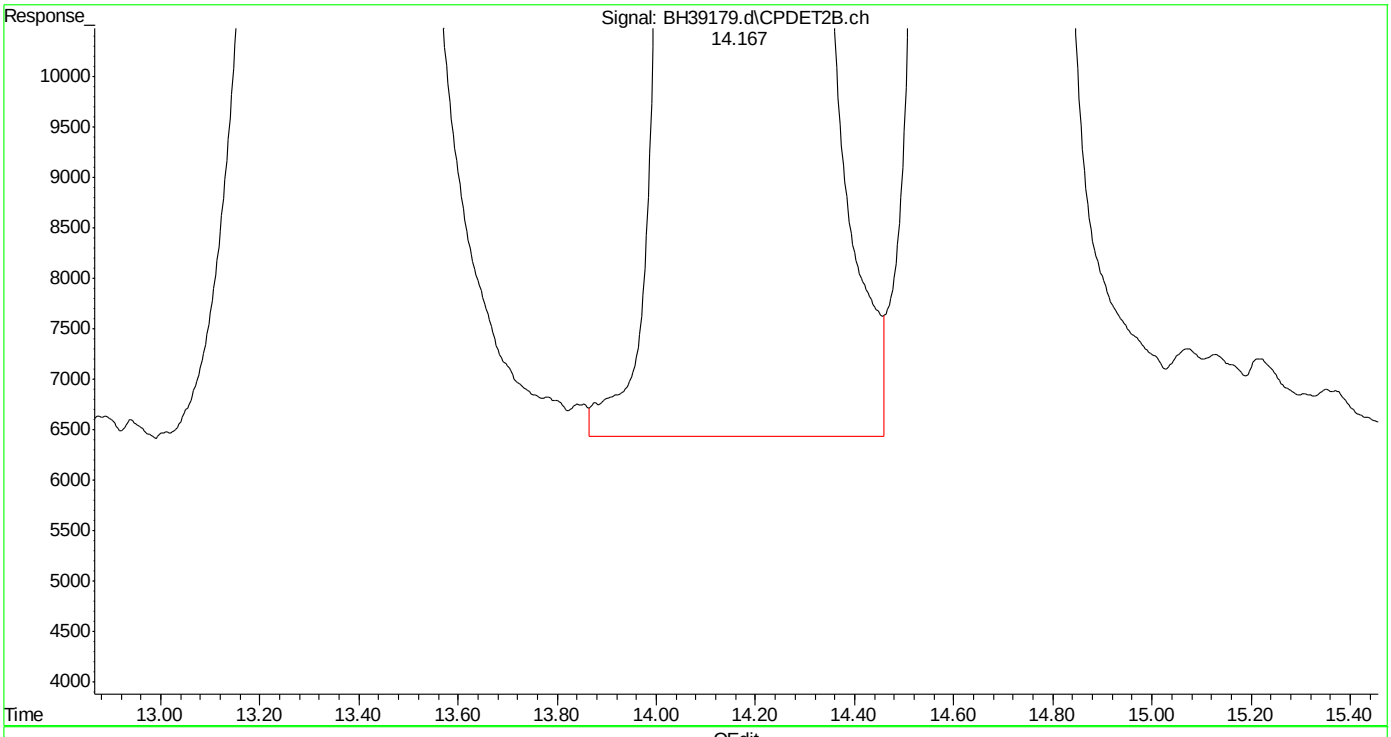
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) benzene #2 (t)
14.167min 42.962 ppb m
response 28255041

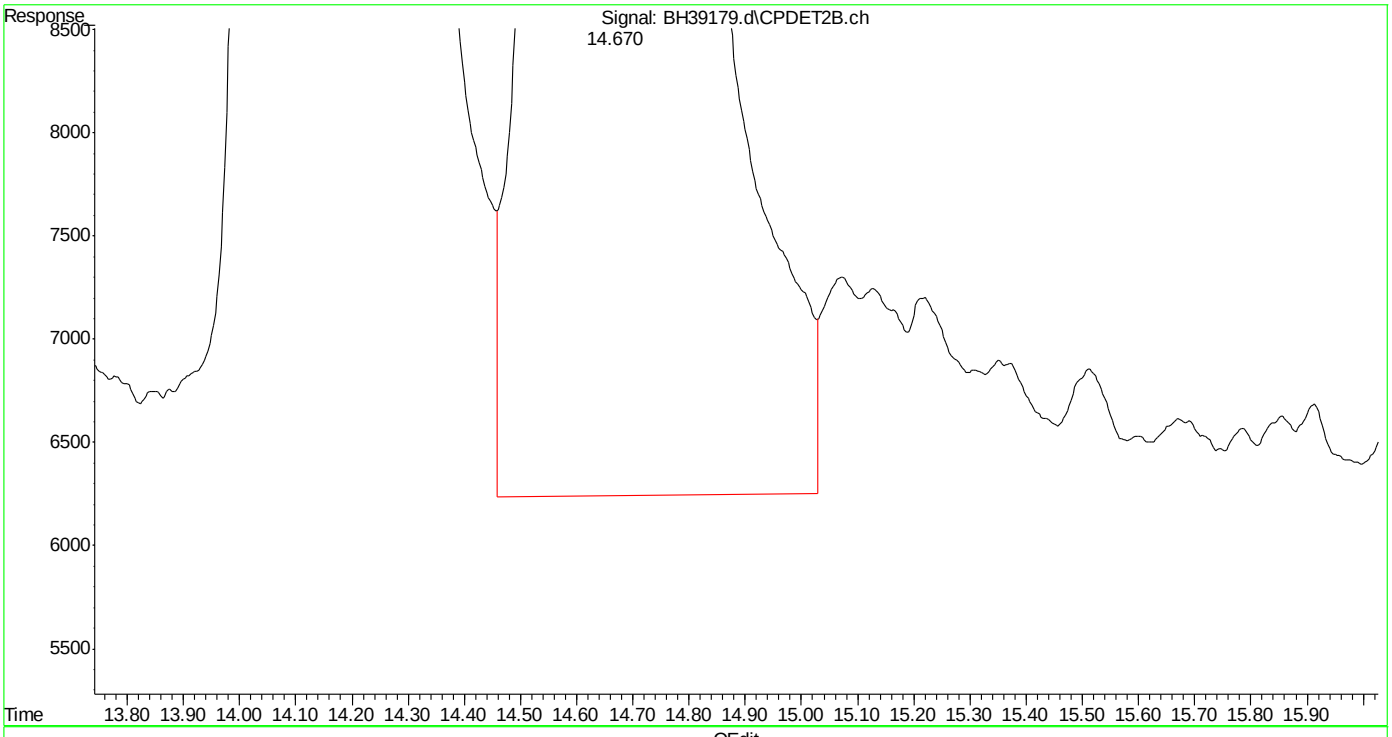
(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:46:48 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.671min 45.872 ppb
response 18643291

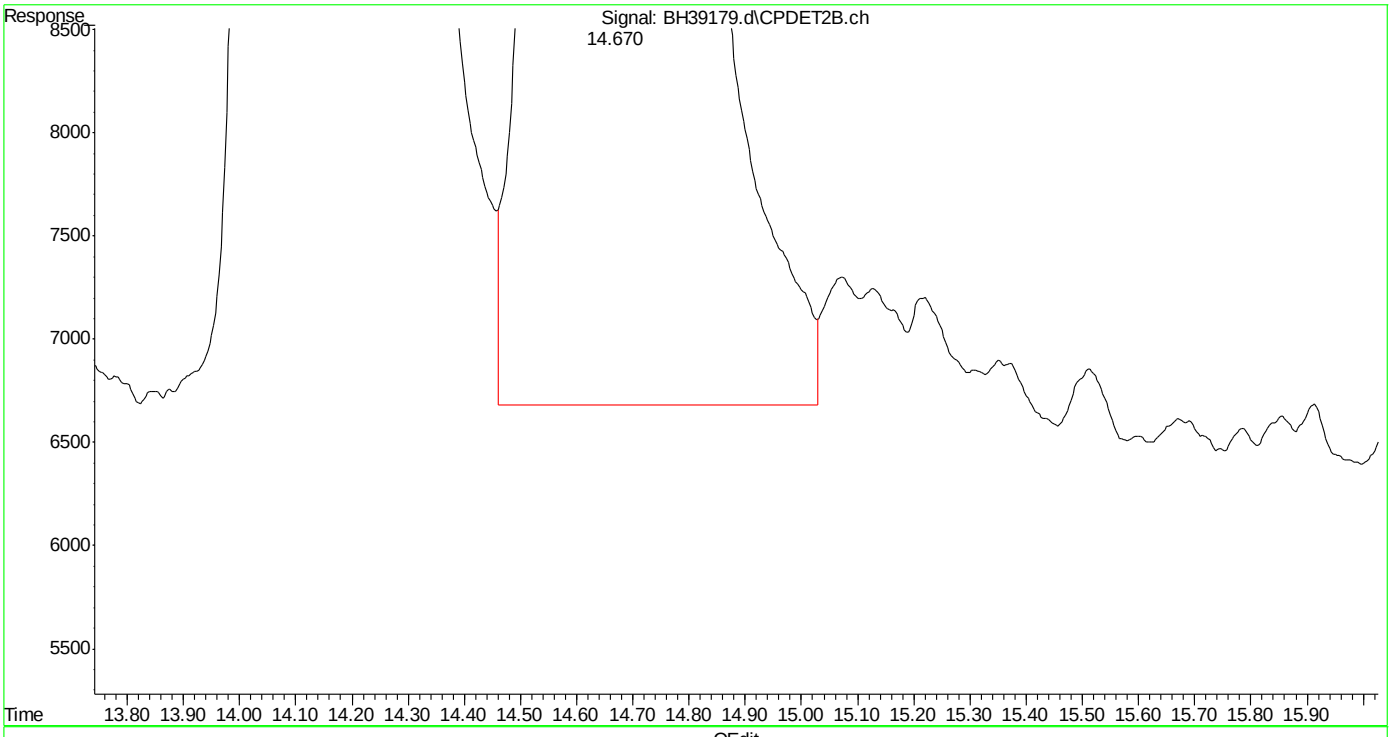
(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:46:53 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) fluorobenzene #2 (s)
14.670min 45.497 ppb m
response 18490759

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:47:00 2016

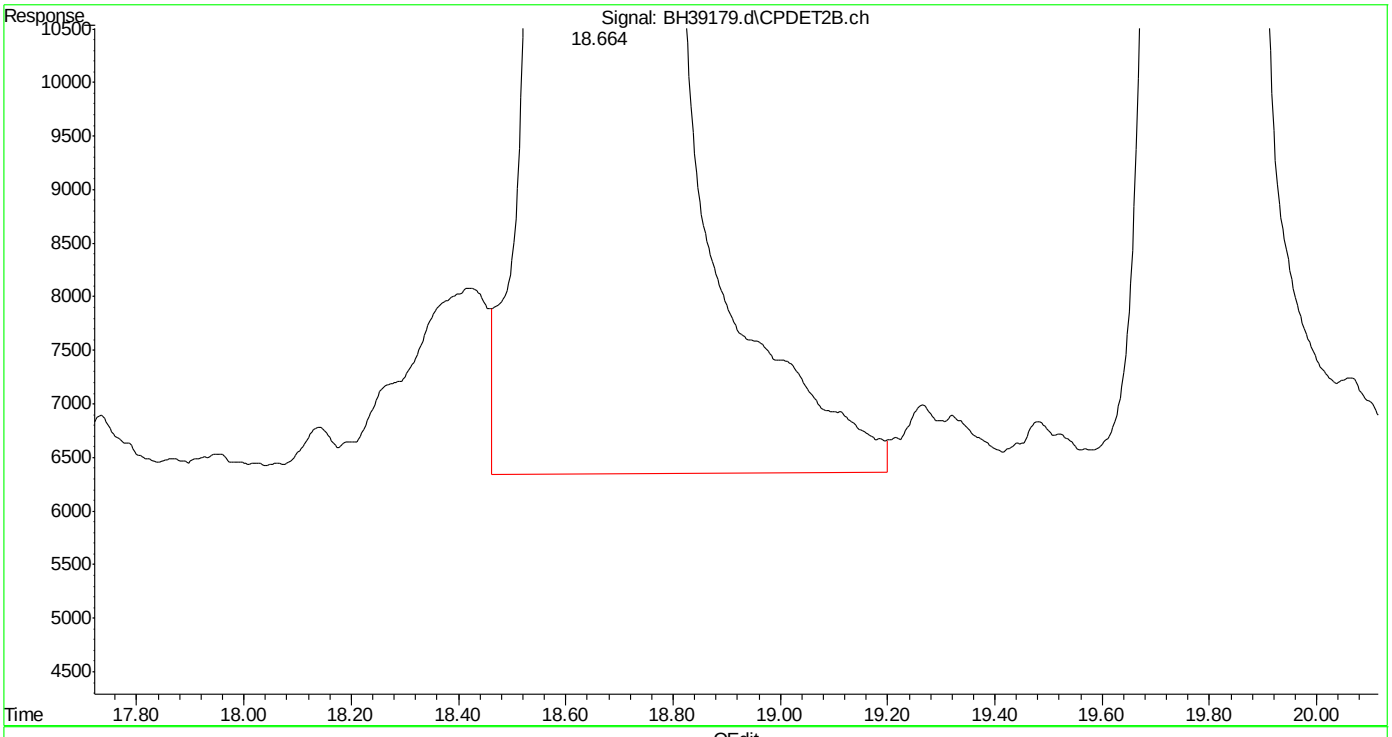
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.665min 43.218 ppb
response 26652161

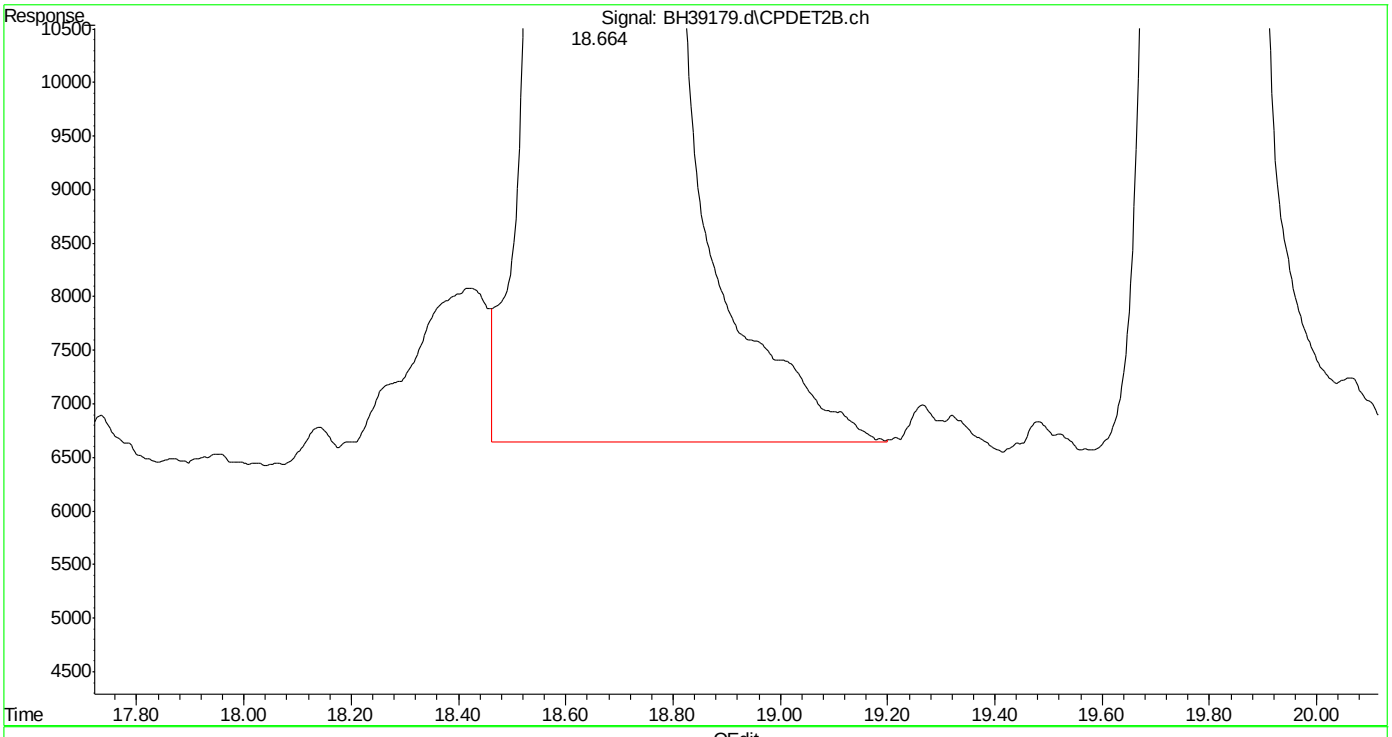
(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:47:05 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) toluene #2 (t)
18.664min 43.007 ppb m
response 26522194

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:47:12 2016

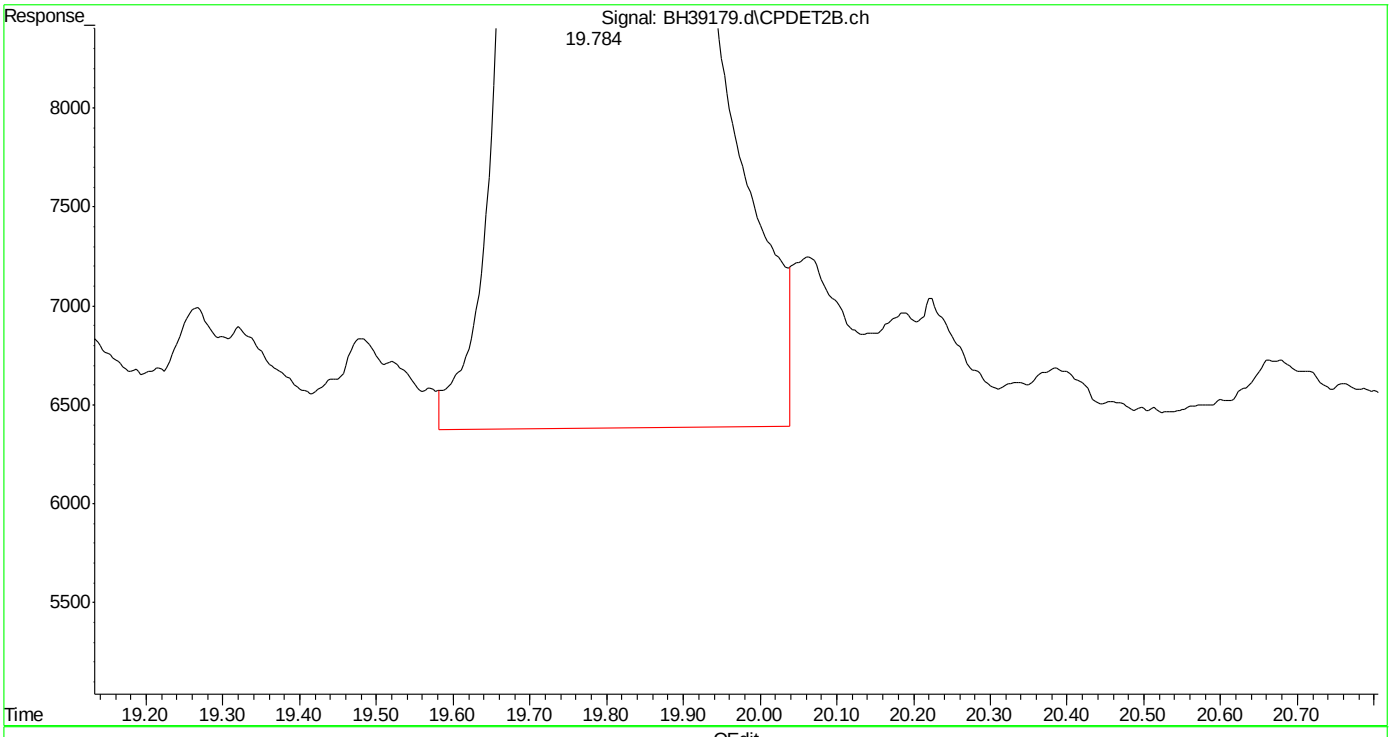
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.785min 43.320 ppb
response 11002468

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:47:18 2016

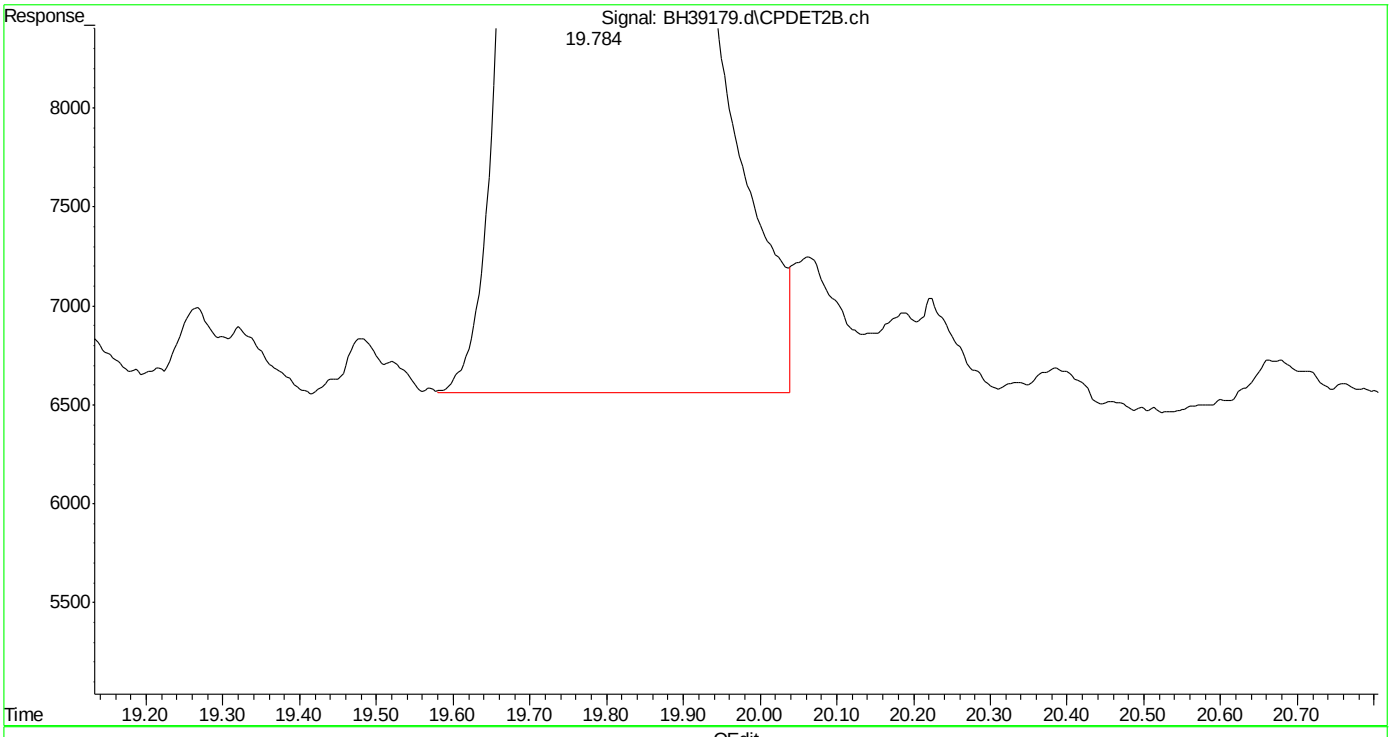
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(18) 2,3,4-trifluorotoluene #2 (s)
19.784min 43.128 ppb m
response 10953718

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:47:27 2016

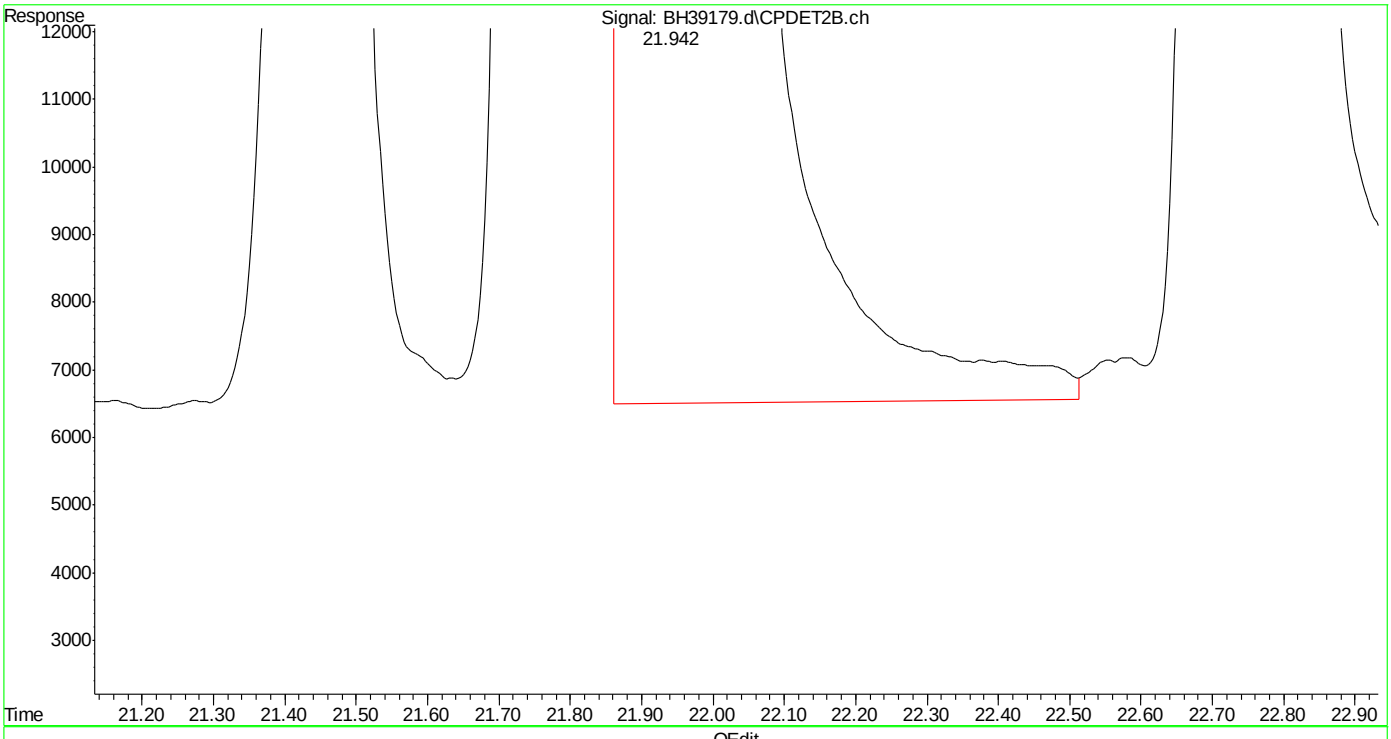
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) m,p-xylene #2 (t)
21.943min 86.909 ppb
response 57971835

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:47:35 2016

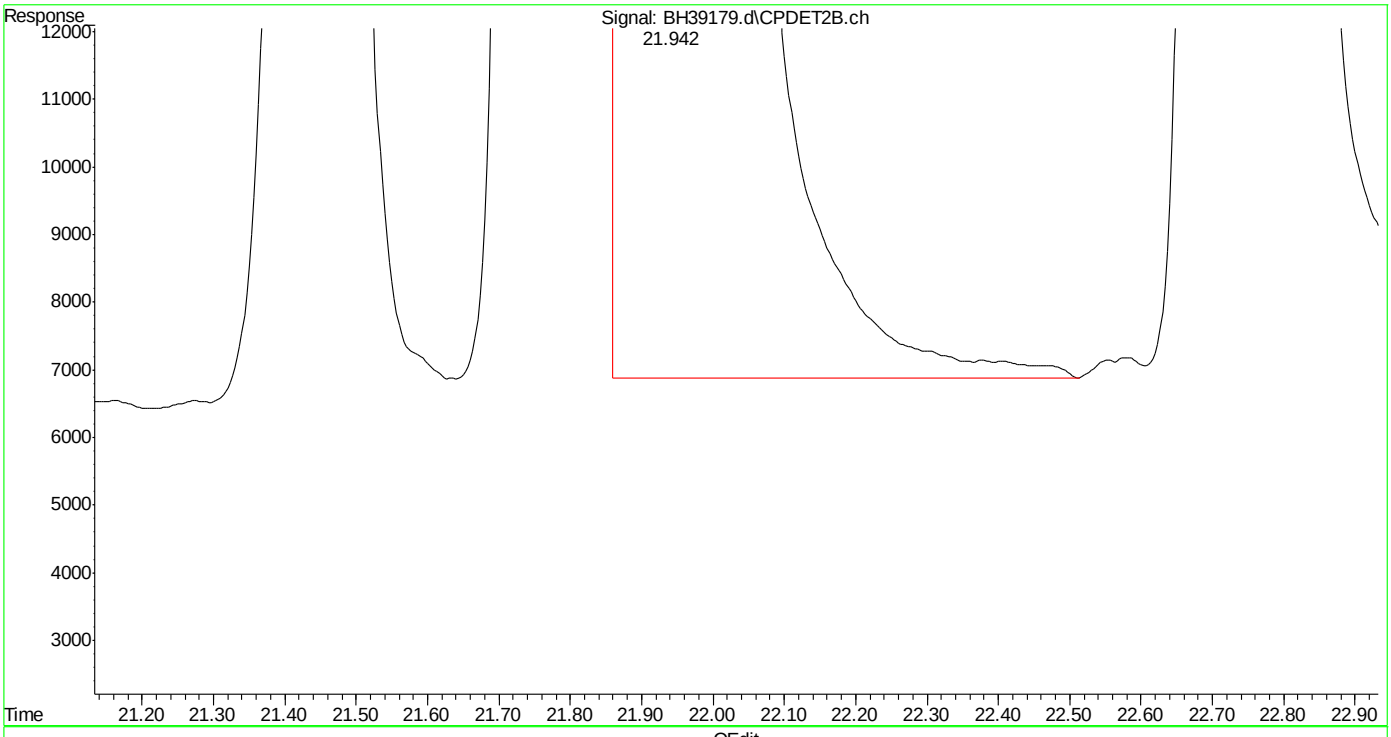
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016  11:09 pm
Operator  : danielf
Sample    : cc2295-50
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 22   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(20) m,p-xylene #2 (t)

21.942min 86.797 ppb m

response 57897162

(+) = Expected Retention Time

bh160512vph.m Fri May 13 07:47:42 2016

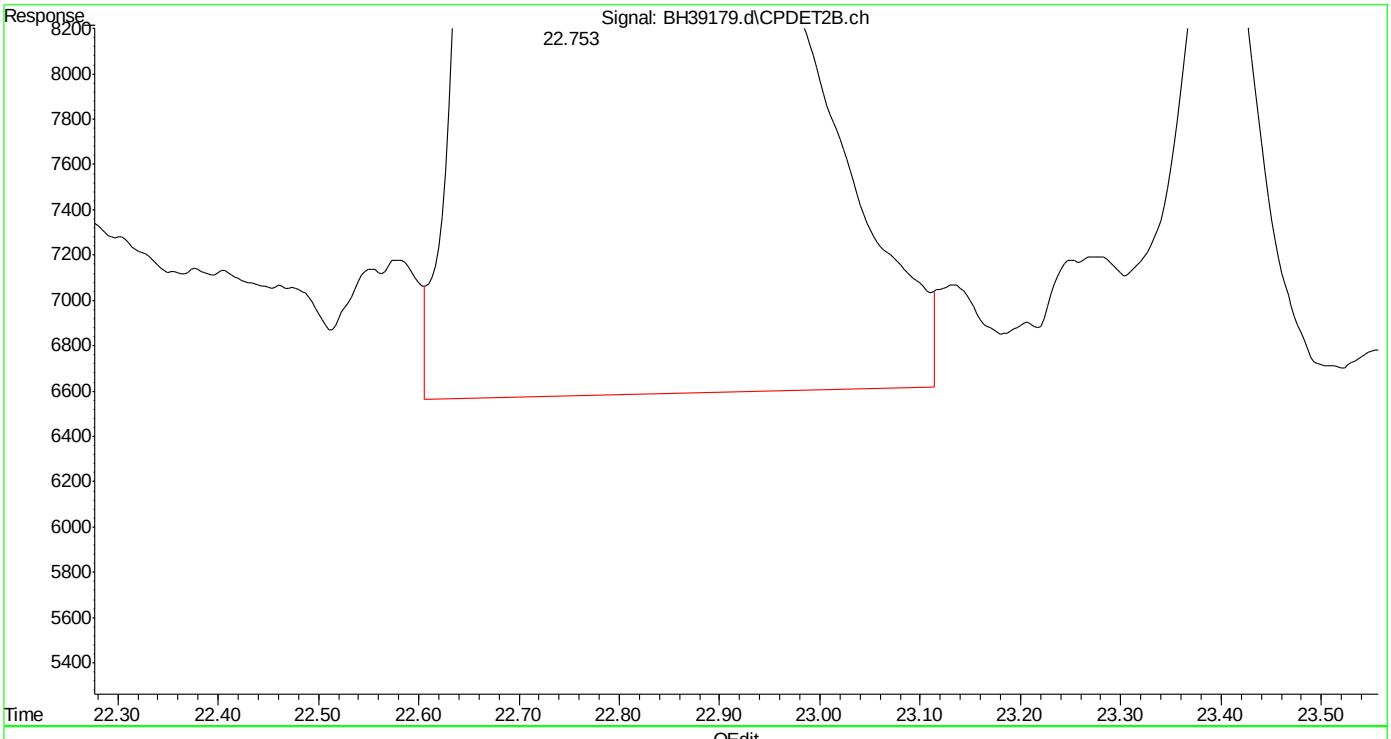
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.754min 42.231 ppb
response 24584840

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:47:46 2016

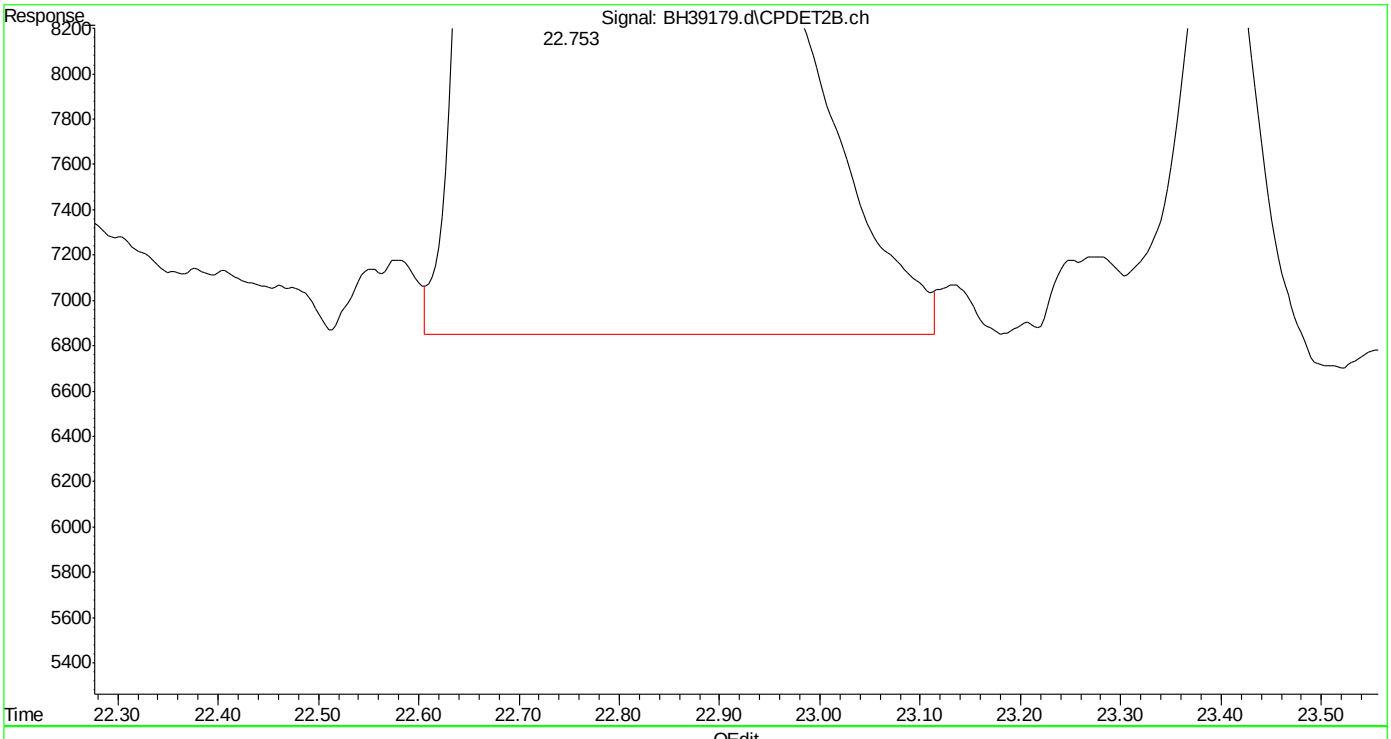
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) o-xylene #2 (t)
22.753min 42.095 ppb m
response 24505723

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:47:56 2016

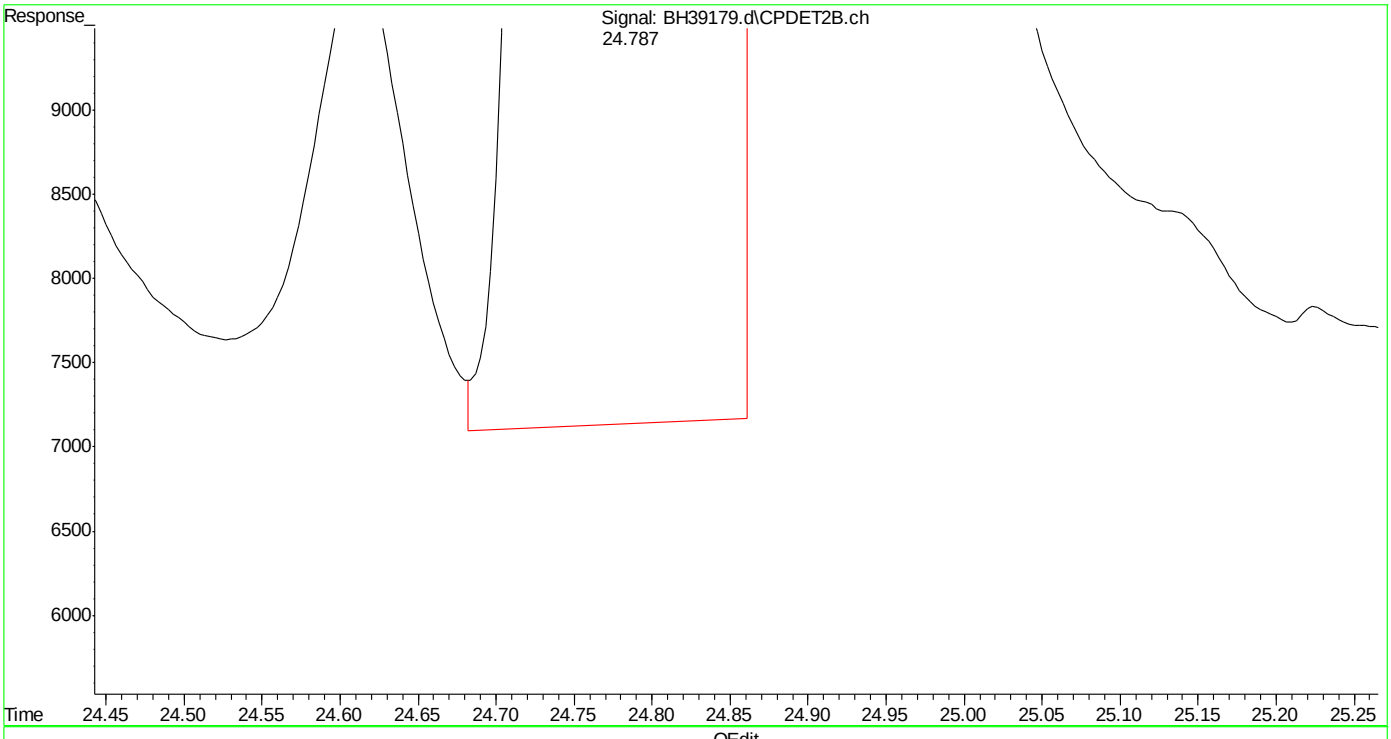
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.788min 42.787 ppb
response 27559798

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:48:05 2016

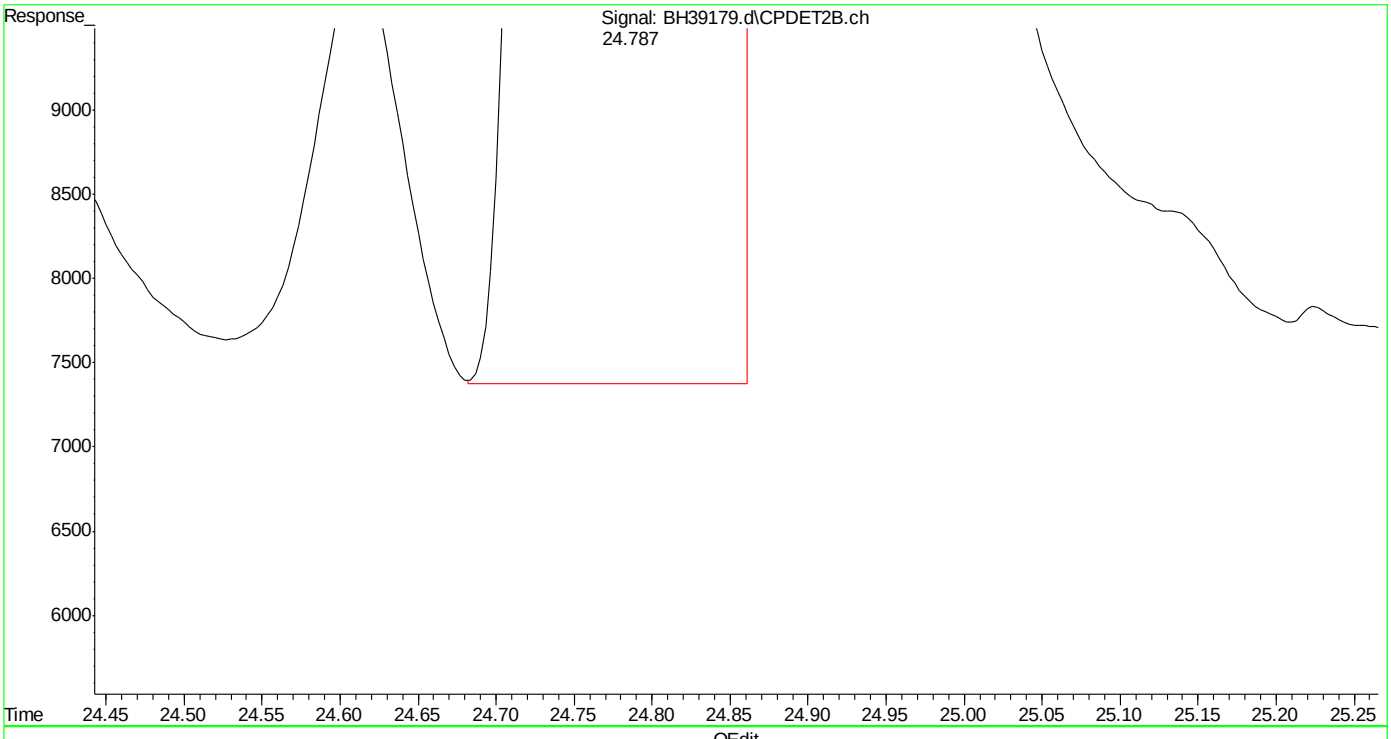
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(23) 1,2,4-trimethylbenzene #2 (t)
24.787min 42.847 ppb m
response 27598454

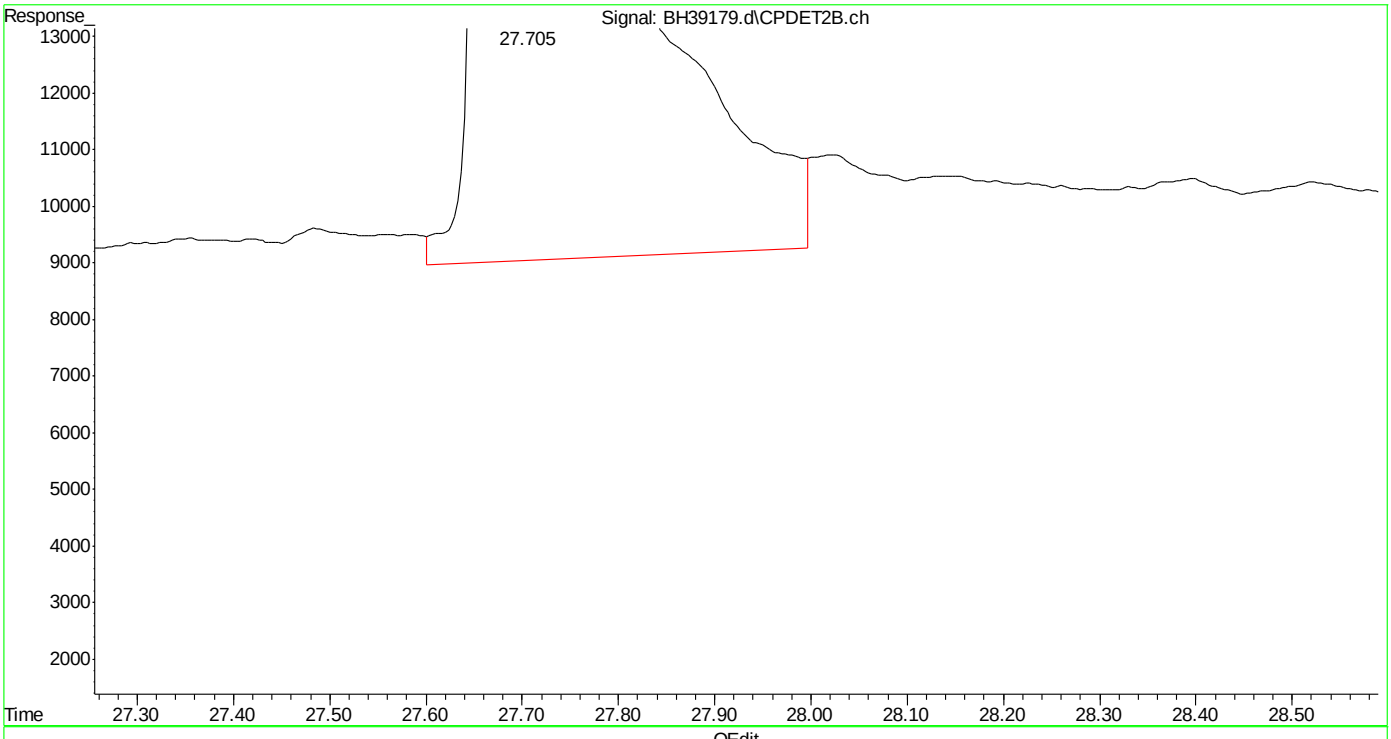
(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:48:10 2016

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: CPDET2B.ch
Acq On    : 12 May 2016  11:09 pm
Operator  : danielf
Sample    : cc2295-50
Misc      : gc26233,gbh2302,,,,5,1
ALS Vial  : 22   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title  : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(24) naphthalene #2 (t)

27.707min 48.183 ppb

response 26341497

(+) = Expected Retention Time

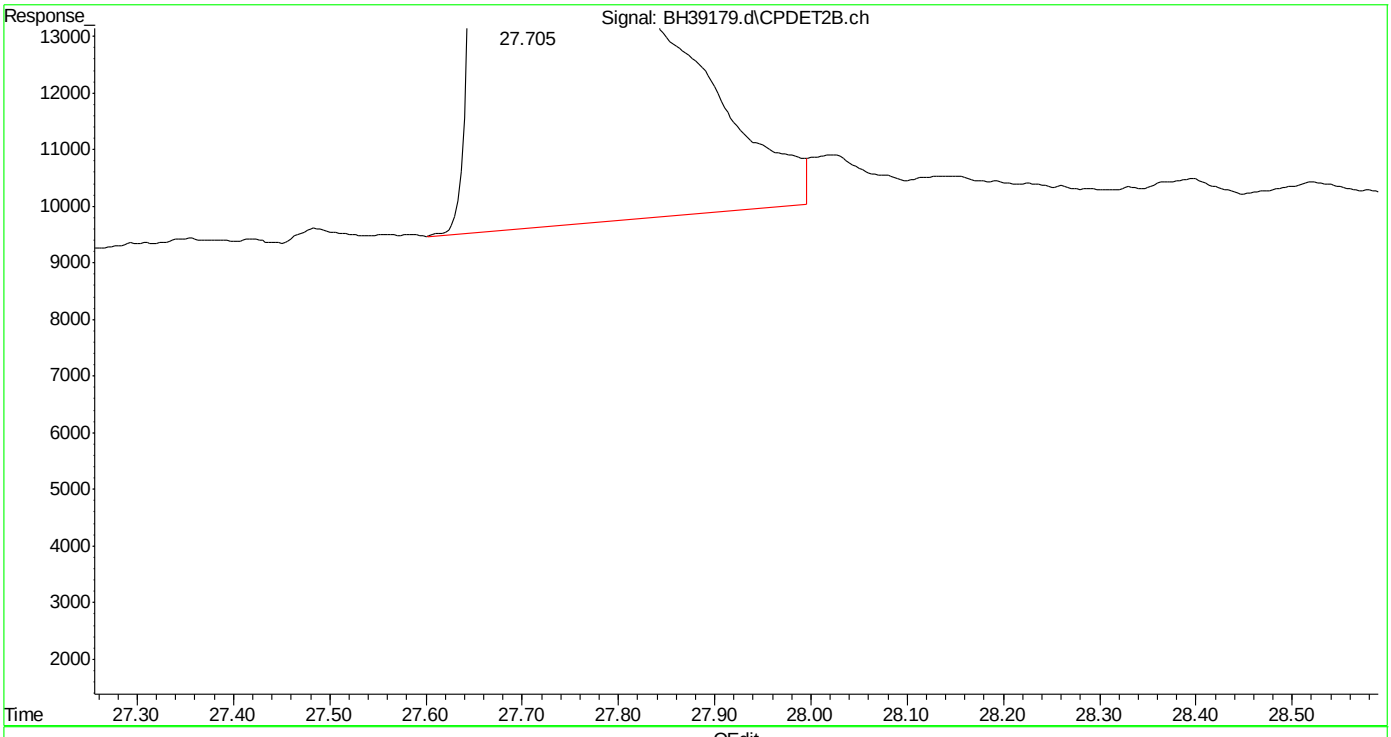
bh160512vph.m Fri May 13 07:48:15 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\bh160512\
Data File : BH39179.d
Signal(s) : Signal #1: FID1A.ch Signal #2: CPDET2B.ch
Acq On : 12 May 2016 11:09 pm
Operator : danielf
Sample : cc2295-50
Misc : gc26233,gbh2302,,,,5,1
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 07:44:50 2016
Quant Method : C:\msdchem\1\METHODS\bh160512vph.m
Quant Title : vph
QLast Update : Thu May 05 09:31:37 2016
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(24) naphthalene #2 (t)
27.705min 47.906 ppb m
response 26190312

(+) = Expected Retention Time
bh160512vph.m Fri May 13 07:48:20 2016

SGS ACCUTEST MC45857

ACCUTEST LABORATORIES

Instrument: GC 28 (BH)

VOLATILE ORGANICS BY GC ANALYSIS LOG

Date: 4/20/16 Analyst Signature: DJF

Standards Data

Lot #	Description	Conc
VMAVPH AQ	GC26155 gbh2295	
gv16372	VPH Surr 250µg/mL	5/20/16

Standards Data

Lot #	Description	Conc
gv16363	VPH Std 50µg/mL	5/19/16
gv16364	5 µg/mL	
gv16365	1 µg/mL	
gv16366	VPH 2nd source 50µg/mL	
gv16371	VPH CC/bsp 250µg/mL	5/20/16

Column: mtx502.2
Method: BHVPH1
GC Seq. File: BH160420.S
Method Files:
BH160420VPH cc2295-50
BH160420VPH MASTER
AS Seq. File: 1-1, 2-2, 3-4

Date of ICAL: 4/20/16 ICAL Verified: Seq. Verification: DJF

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% SOL	Dil. Fact.	pH	Comments
BH39059 ·	ic2295-1000	N/A	GC26155	VMAVPH	N/A	W	100µL gv	16363	5mL FVDI	N/A	50µg/mL Std
60 ·	ic2295-500						50 µL gv	16363	5mL FVDI		
61 ·	ic2295-250						25 µL gv	16363	5mL FVDI		
62 ·	ic2295-100						10 µL gv	16363	5mL FVDI		
63 ·	icc2295-50						5µL gv	16363	5mL FVDI		
64 ·	ic2295-10						10µL gv	16364	5mL FVDI		5µg/mL Std
65 ·	ic2295-5						5µL gv	16364	5mL FVDI		
66 ·	ic2295-2						10µL gv	16365	5mL FVDI		1µg/mL Std
67 ·	ic2295-1						5µL gv	16365	5mL FVDI		
68 ·	icv2295-50						5µL gv	16366	5mL FVDI		50µg/mL Std
69, a	mb				1,2		1µL gv16372	N/A	N/A		
70	bsp				~~2~~ 3		1µL gv16371				
71	bsd				~~3~~ 4						

DJF 4/20/16

DJF 4/20/16

GC001-06 Date: 1/02/15 Dilution Solvent:_____ Lot Number:_____ pH Paper Lot:_____ Review:_____

MTX = Matrix: Designate W for water, S for soil, O for oil. *Note: If sample matrix is soil - method SW846 5035 used for preparation SW846 5030 for water/soil P&T. Sample amount is reported in grams (wet) for soil and oil, mls for water.

40

SGS ACCUTEST MC45857

Data File Name	BH39068.d
Operator	danielf
Date Acquired	4/20/2016 14:17
Sample Name	**icv2295-50**
Sample Multiplier	1

Name FID	Target Response		Continuing CF	Initial CF	Percent Difference	Out of Criteria
rt5.5-7	43811706	C5 - C8 area	CF	CF		
rt7/10	47891443	147257454	981716	1032754	**4.94**	
rt10/13	55554306					
rt20/25	50846882					
decane	50462628	C9-C12 area				
butylcyclohexane	56304959	157614469	1050763	1202765	**12.64**	

jfh 04/23/02
edited for decane butylcylclohexane 02/18/08 andrip
edited for 50ppb ck 072104 aa
Analyst/date: DJF / 4-20-16

Edit: Methylpentane, Iso-octane to 50.
ZM April 14,2005
aromatic format edit jfh 083005
%drift jfh 10/04/05

Data File Name	BH39068.d
Operator	danielf
Date Acquired	4/20/2016 14:17
Sample Name	icv2295-50
Misc Info	26155,gbh2295,,,,5,1
Sample Multiplier	1

	BH39059.d	BH39060.d	BH39062.d	BH39063.d	BH39064.d	BH39065.d	BH39067.d	BH39061.d	BH39066.d
	1000.00	500.00	100.00	50.00	10.00	5.00	1.00	250.00	2
rt5.5-7	910851885.18	439813710.36	88006208.02	42374495.31	9581328.33	4708223.95	901428.39	213573031.11	1982006
rt7/10	1007950322.28	488286377.42	98501844.62	47230821.56	10531624.61	5141995.33	1048952.75	237789719.65	2292160
rt10/13	809408184.08	504235971.99	115530078.90	55161260.81	12363229.81	6233360.84	1531015.27	275524064.17	2770822
rt20/25	1187265878.98	564756694.32	104369658.12	49650457.81	11134229.20	5550515.57	1494364.52	263984486.33	2657203
decane	1200820064.76	589235505.19	105281418.74	50197975.96	11243264.31	5652381.40	1587730.70	275077235.44	2533298
butylcyclohexane	1248984615.27	613389026.12	116336139.57	55557289.71	12161999.62	6161526.50	1587277.53	294238592.66	2820356

vph pentane,2-methylpentane,icooctane

Total area	2728210391.55	1432336059.77	302038131.54	144766577.68	32476182.74	16083580.12	3481396.42	726886814.94	7044987.53
Total mass	3000.00	1500.00	300.00	150.00	30.00	15.00	3.00	750.00	6.00
RF	909403.46	954890.71	1006793.77	965110.52	1082539.42	1072238.67	1160465.47	969182.42	1174164.59

	Average RF	Area 1000	Area 50
	1032754.34	1032754337.65	51637716.88
%RSD	**9.12**		

noname,butylcyclohexane,decane

Total area	3637070559.01	1767381225.64	325987216.43	155405723.48	34539493.13	17364423.47	4669372.75	833300314.43	8010856.82
Total mass	3000.00	1500.00	300.00	150.00	30.00	15.00	3.00	750.00	6.00
RF	1212356.85	1178254.15	1086624.05	1036038.16	1151316.44	1157628.23	1556457.58	1111067.09	1335142.80

	Average RF	Area 1000	Area 50
	1202765.04	1202765039.48	60138251.97
%RSD	**13.07**		

Created by Andrip 07/01/08

DJF 4/20/16

original curve

Response Factor Report GCBH

Method : C:\msdchem\1\MET...60420vphmaster.m (ChemStation Integrator)
Title : vph - master
Last Update : Wed Apr 20 14:50:31 2016
Response via : Initial Calibration

Calibration Files
7 =BH39059.d 6 =BH39060.d 5 =BH39062.d 4 =BH39063.d
3 =BH39064.d 2 =BH39065.d 1 =BH39067.d 8 =BH39061.d
9 =BH39066.d =

Compound	7	6	5	4	3	2	1	8	9	Avg	% RSD
1) rt5.5-7	9.109	8.796	8.801	8.475	9.581	9.416	9.014	8.543	9.910	9.072 E5	5.33
2) rt7/10	1.008	0.977	0.985	0.945	1.053	1.028	1.049	0.951	1.146	1.016 E6	6.17
3) mtbe	5.743	5.937	6.143	5.965	6.423	6.268	6.663	5.929	6.479	6.172 E5	4.96
4) rt10/13	0.809	1.008	1.155	1.103	1.236	1.247	1.531	1.102	1.385	1.175 E6	17.85
5) benzene	1.197	1.170	1.149	1.132	1.241	1.209	1.343	1.136	1.266	1.205 E6	5.77
6) fluorobenzene	0.946	0.923	0.908	0.893	0.982	0.966	0.925	0.895	1.013	0.939 E6	4.37
7) rt13/16										0.000 -	1.00
8) toluene	1.240	1.197	1.157	1.132	1.242	1.201	1.334	1.151	1.291	1.216 E6	5.54
9) 2,3,4-trifluorotoluene	8.218	7.863	7.584	7.393	8.236	8.142	9.342	7.533	8.847	8.129 E5	7.87
10) rt16/20										0.000 -	1.00
11) rt20/25	1.187	1.130	1.044	0.993	1.113	1.110	1.494	1.056	1.329	1.162 E6	13.57
12) rt25/29										0.000 -	1.00
13) ethylbenzene	1.261	1.212	1.149	1.122	1.216	1.193	1.274	1.170	1.267	1.207 E6	4.47
14) m,p-xylene	1.317	1.268	1.204	1.176	1.279	1.258	1.348	1.209	1.321	1.264 E6	

7.6.1

7

SGS ACCUTEST MC45857

4.65
15) o-xylene
1.318 1.280 1.211 1.185 1.305 1.304 1.403 1.219 1.351 1.286 E6
5.49
16) decane
1.201 1.178 1.053 1.004 1.124 1.130 1.588 1.100 1.267 1.183 E6
14.43
17) 1,3,5-trimethylbenzene
1.330 1.301 1.271 1.250 1.352 1.347 1.507 1.264 1.478 1.345 E6
6.80
18) 1,2,4-trimethylbenzene
1.309 1.276 1.258 1.239 1.374 1.374 1.617 1.249 1.502 1.355 E6
9.54
19) butylcyclohexane
1.249 1.227 1.163 1.111 1.216 1.232 1.587 1.177 1.410 1.264 E6
11.60
20) naphthalene
7.057 7.057 8.053 7.890 8.734 8.353 9.828 7.407 8.968 8.150 E5
11.38
21) 2,5-dibromotoluene
0.000 -
1.00

Signal #2

23) mtbe #2
2.568 2.752 2.864 2.796 3.034 2.781 2.797 2.764 2.951 2.812 E5
4.67
24) benzene #2
6.275 6.367 6.372 6.224 6.815 6.598 7.287 6.257 6.995 6.577 E5
5.74
25) fluorobenzene #2
3.995 4.033 3.993 3.916 4.241 4.165 4.052 3.946 4.236 4.064 E5
2.99
26) toluene #2
6.047 6.041 5.963 5.827 6.393 6.212 6.737 5.896 6.386 6.167 E5
4.75
27) 2,3,4-trifluorotoluene #2
2.520 2.482 2.408 2.344 2.535 2.580 2.923 2.396 2.670 2.540 E5
6.90
28) ethylbenzene #2
5.521 5.493 5.384 5.167 5.628 5.396 5.712 5.315 5.628 5.472 E5
3.17
29) m,p-xylene #2
6.510 6.558 6.461 6.340 6.946 6.728 7.073 6.361 7.057 6.670 E5
4.36
30) o-xylene #2
5.737 5.730 5.575 5.439 6.067 5.964 6.260 5.555 6.066 5.821 E5
4.81
31) 1,3,5-trimethylbenzene #2
7.906 7.985 8.050 7.961 8.568 8.431 9.332 7.917 9.058 8.356 E5
6.39
32) 1,2,4-trimethylbenzene #2
6.025 6.069 6.131 6.021 6.615 6.483 7.473 6.052 7.100 6.441 E5
8.27
33) naphthalene #2
4.522 4.625 5.424 5.340 6.063 5.646 6.509 4.927 6.148 5.467 E5

```
12.69
 34)  c9-c10 arom as 1,2,4-tmb
            6.029 6.047 6.141 6.051 6.573 6.505 7.480 6.036 7.101   6.440 E5
8.27
 35)  2,5-dibromotoluene #2
                                                                    0.000   -
1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          bh160420vphmaster.m        Wed Apr 20 14:51:26 2016
```

7.6.1

7

SGS ACCUTEST MC45857

working curve

Response Factor Report GCBH

Method : C:\msdchem\1\METHODS\bh160420vph.m (ChemStation Integrator)
Title : vph
Last Update : Wed Apr 20 14:59:29 2016
Response via : Initial Calibration

Calibration Files
7 =BH39059.d 6 =BH39060.d 5 =BH39062.d 4 =BH39063.d
3 =BH39064.d 2 =BH39065.d 1 =BH39067.d 8 =BH39061.d
9 =BH39066.d =

Compound	7	6	5	4	3	2	1	8	9	Avg	% RSD
1) rt5.5-7	1.033			1.033						1.033 E6	0.00
2) rt7/10	1.033			1.033						1.033 E6	0.00
3) rt10/13	1.033			1.033						1.033 E6	0.00
4) fluorobenzene	0.946	0.923	0.908	0.893	0.982	0.966	0.925	0.895	1.013	0.939 E6	4.37
5) rt13/16										0.000 -	1.00
6) 2,3,4-trifluorotoluene	8.218	7.863	7.584	7.393	8.236	8.142	9.342	7.533	8.847	8.129 E5	7.87
7) rt16/20										0.000 -	1.00
8) rt20/25	1.203			1.203						1.203 E6	0.00
9) rt25/29										0.000 -	1.00
10) decane	1.203			1.203						1.203 E6	0.00
11) butylcyclohexane	1.203			1.203						1.203 E6	0.00
12) 2,5-dibromotoluene										0.000 -	1.00

Signal #2

14) mtbe #2	2.568	2.752	2.864	2.796	3.034	2.781	2.797	2.764	2.951	2.812 E5	

7.6.1

7

```
4.67
 15)  benzene #2
            6.275 6.367 6.372 6.224 6.815 6.598 7.287 6.257 6.995   6.577 E5
5.74
 16)  fluorobenzene #2
            3.995 4.033 3.993 3.916 4.241 4.165 4.052 3.946 4.236   4.064 E5
2.99
 17)  toluene #2
            6.047 6.041 5.963 5.827 6.393 6.212 6.737 5.896 6.386   6.167 E5
4.75
 18)  2,3,4-trifluorotoluene #2
            2.520 2.482 2.408 2.344 2.535 2.580 2.923 2.396 2.670   2.540 E5
6.90
 19)  ethylbenzene #2
            5.521 5.493 5.384 5.167 5.628 5.396 5.712 5.315 5.628   5.472 E5
3.17
 20)  m,p-xylene #2
            6.510 6.558 6.461 6.340 6.946 6.728 7.073 6.361 7.057   6.670 E5
4.36
 21)  o-xylene #2
            5.737 5.730 5.575 5.439 6.067 5.964 6.260 5.555 6.066   5.821 E5
4.81
 22)  1,3,5-trimethylbenzene #2
            7.906 7.985 8.050 7.961 8.568 8.431 9.332 7.917 9.058   8.356 E5
6.39
 23)  1,2,4-trimethylbenzene #2
            6.025 6.069 6.131 6.021 6.615 6.483 7.473 6.052 7.100   6.441 E5
8.27
 24)  naphthalene #2
            4.522 4.625 5.424 5.340 6.063 5.646 6.509 4.927 6.148   5.467 E5
12.69
 25)  c9-c10 arom as 1,2,4-tmb
            6.029 6.047 6.141 6.051 6.573 6.505 7.480 6.036 7.101   6.440 E5
8.27
 26)  2,5-dibromotoluene #2
                                                                    0.000   -
1.00
 ---------------------------------------------------------------------------
 (#) = Out of Range   ###  Number of calibration levels exceeded format  ###

          bh160420vph.m        Wed Apr 20 15:05:22 2016
```

7.6.1

7

ACCUTEST LABORATORIES

Instrument: GC 28 (BH)

VOLATILE ORGANICS BY GC ANALYSIS LOG

Date: 5/12/16 Analyst Signature: DJF

Standards Data

Lot #	Description	Conc
VMAVPH AQ	GC26233	gbn2362

Standards Data

Lot #	Description	Conc
gv16371	cc/bsp 250µg/mL	5/20/16
gv16372	surr	↓

Column: mtx502.2
Method: BHVPH1
GC Seq. File: BH160512.S
Method Files:
BH160512VPH cc2295-50
1-1, 2-2, 3-3, 4-4, 5-6, 7-7,
AS Seq. File: 8-9, ~~10-20~~, 21-21

Date of ICAL: 4-20-16 ICAL Verified: Seq. Verification: DJF 5/12/16

Data File	Sample ID	Bot No.	Work Group	Test	ALS #	*MTX	Samp Amt.	% SOL	Dil. Fact.	pH	Comments 10-21, 22-22
BH39159.	concal50	N/A	GC26233	VMAVPH	1	W	1µL gv16371	N/A	N/A	N/A	Retention Times off
60.	mb				2		1µL gv16372				
61.	concal50				3		1µL gv16371				Check OK
62.	mb				4		1µL gv16372				
63.	bsp				5		1µL gv16371				
64.	bsd	↓			6		↓			↓	
65.	MC45857-4	1			7		5mL	↓		<2	
66.	-4ms	1			8		1µL gv16371 in to 5mL				
67.	-4msd	2			9		↓	↓			
68.	-5	1			~~10~~ 11		5mL	N/A			
69.	-1	2			~~11~~ 12						
70.	MC45850-5	1			~~12~~ 13						
71.	-4-~~3~~	1			~~13~~ 14						
72.	-3-~~4~~	1			~~14~~ 15						
73.	-1-~~3~~	1		5/12/16	~~15~~ 16						
74.	-2-~~1~~	1		5/12/16	~~16~~ 17						
75.	-6-~~2~~	1		5/12/16	~~17~~ 18						
76.	-7-~~6~~	1			~~18~~ 19						
77.	-8-~~7~~	1			~~19~~ 20						
78.	-9-~~8~~	1			~~20~~ 21						
79.	~~-9~~	↑	↓	↓	~~21~~ 22	↓	1µL gv16371	↓	↓	N/A	
	concal50	N/A									
67a.	MC45857-4	3	GC26233	VMAVPH	10	W	5mL of 5mL/50mL F	N/A DI	1:10	<2	seq. appended

DJF 5/12/16

GC001-06 Date: 1/02/15 Dilution Solvent:_____ Lot Number:_____ pH Paper Lot: Hydrion 216315 Exp. 6/15/18 Review:_____

MTX = Matrix: Designate W for water, S for soil, O for oil. *Note: If sample matrix is soil - method SW846 5035 used for preparation SW846 5030 for water/soil P&T. Sample amount is reported in grams (wet) for soil and oil, mls for water.

C:\msdchem\1\DATA\bh160512\BH39165.d

Data File Name	BH39165.d	
Operator	danielf	
Date Acquired	5/12/2016 14:25	
Method File	BHVPH1.M	Enter Dilution mult.(F6)
Sample Name	mc45857-4,w,vmavph,00	10.00
Sample Multiplier	1.00	From BH39167a

Name	Amount			% Recovery
FID		enter y		
2,5-dibromotoluene	0.00			0.00%
rt5.5-7	1.85			1.85
rt7/10	4.60			4.60
rt10/13	33.45			33.45
rt20/25	677.90	y	C5 - C8 HYDROCARBONS UNCORRECTED 39.90	-5.63 CORRECTED VALUE 34.27
		%recovery		
fluorobenzene	43.46	86.91	C9 - C12 HYDROCARBONS UNCORRECTED 6779.00	-6808.97 0.00
2,3,4-trifluorotoluene	43.45	86.90		

PID

SIGNAL #2		corrected	enter y		
mtbe #2	0.00	0.00		0.00	50.00
benzene #2	0.35	0.00		0.35	50.00
toluene #2	5.28	5.28		5.28	50.00
2,3,4-trifluorotoluene #2	45.91	45.91		45.91	112.50
ethylbenzene #2	159.79	159.79	y	1597.90	50.00
m,p-xylene #2	476.19	476.19	y	4761.90	100.00
o-xylene #2	426.23	426.23		426.23	50.00
1,3,5-trimethylbenzene #2	0.00	0.00		0.00	50.00
1,2,4-trimethylbenzene #2	0.00	0.00		0.00	50.00
naphthalene #2	0.00	0.00		0.00	50.00
c9-c10 arom as 1,2,4-tmb	22.94	22.94		22.94	50.00
			%reccovery		
fluorobenzene #2	45.67		91.35		
2,3,4-trifluorotoluene #2	45.91		91.81		

DJF 5-13-16

surrogate recovery 50 aef 051515
Created by andrip 08/05/08

C:\msdchem\custrpt\VPHRPT.CRT

5/13/2016 2:53 PM

Data File Name	BH39161.d
Operator	danielf
Date Acquired	5/12/2016 12:05
Sample Name	**cc2295-50**
Sample Multiplier	1

Name FID	Target Response		Continuing CF	Initial CF	Percent Difference	Out of Criteria
rt5.5-7	34694855	C5 - C8 area	CF	CF		
rt7/10	41593075	127108267	847388	1032754	**17.95**	
rt10/13	50820338					
rt20/25	46032882					
decane	46466761	C9-C12 area				
butylcyclohexane	51748128	144247771	961652	1202765	**20.05**	

jfh 04/23/02
edited for decane butylcylclohexane 02/18/08 andrip
edited for 50ppb ck 072104 aa
Analyst/date: DJF / 5-12-16

Edit: Methylpentane, Iso-octane to 50.
ZM April 14,2005
aromatic format edit jfh 083005
%drift jfh 10/04/05

Data File Name	BH39179.d
Operator	danielf
Date Acquired	5/12/2016 23:09
Sample Name	**cc2295-50**
Sample Multiplier	1

Name FID	Target Response		Continuing CF	Initial CF	Percent Difference	Out of Criteria
rt5.5-7	32807836	C5 - C8 area	CF	CF		
rt7/10	39458069	120461945	803080	1032754	**22.24**	
rt10/13	48196040					
rt20/25	44097019					
decane	44303555	C9-C12 area				
butylcyclohexane	49242446	137643019	917620	1202765	**23.71**	

jfh 04/23/02
edited for decane butylcylclohexane 02/18/08 andrip
edited for 50ppb ck 072104 aa
Analyst/date: DJF / 5-13-16

Edit: Methylpentane, Iso-octane to 50.
ZM April 14,2005
aromatic format edit jfh 083005
%drift jfh 10/04/05

7.6.2

7

SGS ACCUTEST MC45857

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Surrogate Recovery Summaries
- GC Surrogate Retention Time Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP47474-MB	DE14110.D	1	05/18/16	TA	05/13/16	OP47474	GDE792

The QC reported here applies to the following samples: **Method:** MADEP EPH REV 1.1

MC45857-1A, MC45857-4A, MC45857-5A

CAS No.	Compound	Result	RL	MDL	Units	Q
	C11-C22 Aromatics (Unadj.)	ND	100	70	ug/l	
	C9-C18 Aliphatics	ND	100	70	ug/l	
	C19-C36 Aliphatics	ND	100	70	ug/l	
	C11-C22 Aromatics	ND	100	70	ug/l	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	87%	40-140%
321-60-8	2-Fluorobiphenyl	89%	40-140%
3386-33-2	1-Chlorooctadecane	76%	40-140%
580-13-2	2-Bromonaphthalene	93%	40-140%

Blank Spike/Blank Spike Duplicate Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP47474-BS	DE14105.D	1	05/18/16	TA	05/13/16	OP47474	GDE792
OP47474-BSD	DE14106.D	1	05/18/16	TA	05/13/16	OP47474	GDE792

The QC reported here applies to the following samples: **Method:** MADEP EPH REV 1.1

MC45857-1A, MC45857-4A, MC45857-5A

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
	C11-C22 Aromatics (Unadj.)	800	750	94	743	93	1	40-140/25
	C9-C18 Aliphatics	300	188	63	167	56	12	40-140/25
	C19-C36 Aliphatics	400	338	85	340	85	1	40-140/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
84-15-1	o-Terphenyl	88%	85%	40-140%
321-60-8	2-Fluorobiphenyl	90%	87%	40-140%
3386-33-2	1-Chlorooctadecane	76%	77%	40-140%
580-13-2	2-Bromonaphthalene	86%	82%	40-140%

Sample	Compound	Col #1	Col #2	Breakthrough	Limit
OP47474-BS	2-Methylnaphthalene	32.0	0.16	0.5%	5.0
OP47474-BS	Naphthalene	31.9	0.17	0.5%	5.0
OP47474-BSD	2-Methylnaphthalene	28.6	0.14	0.5%	5.0
OP47474-BSD	Naphthalene	27.1	0.13	0.5%	5.0

* = Outside of Control Limits.

Semivolatile Surrogate Recovery Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Method: MADEP EPH REV 1.1 **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1 [a]	S2 [a]	S3 [b]	S4 [a]
MC45857-1A	DE14114.D	89	91	75	96
MC45857-4A	DE14116.D	87	87	72	90
MC45857-5A	DE14117.D	72	82	61	85
OP47474-BS	DE14105.D	88	90	76	86
OP47474-BSD	DE14106.D	85	87	77	82
OP47474-MB	DE14110.D	87	89	76	93

Surrogate Compounds	Recovery Limits
S1 = o-Terphenyl	40-140%
S2 = 2-Fluorobiphenyl	40-140%
S3 = 1-Chlorooctadecane	40-140%
S4 = 2-Bromonaphthalene	40-140%

(a) Recovery from GC signal #1
(b) Recovery from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Check Std:	GDE792-CC735	**Injection Date:**	05/18/16
Lab File ID:	DE14104.D	**Injection Time:**	09:05
Instrument ID:	GCDE	**Method:**	MADEP EPH REV 1.1

	S1 [a] RT	S2 [a] RT	S3 [a] RT	S4 [b] RT
Check Std	9.87	6.61	7.33	11.23

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT	S3 [a] RT	S4 [b] RT
OP47474-BS	DE14105.D	05/18/16	09:41	9.87	6.61	7.33	11.22
OP47474-BSD	DE14106.D	05/18/16	10:09	9.87	6.61	7.33	11.23
OP47484-BS	DE14107.D	05/18/16	10:37	9.87	6.61	7.33	11.23
OP47484-BSD	DE14108.D	05/18/16	11:05	9.87	6.61	7.33	11.23
OP47484-MB	DE14109.D	05/18/16	11:33	9.87	6.61	7.33	11.23
OP47474-MB	DE14110.D	05/18/16	12:01	9.87	6.61	7.34	11.23
ZZZZZZ	DE14111.D	05/18/16	12:29	9.87	6.61	7.33	11.22
ZZZZZZ	DE14112.D	05/18/16	12:57	9.87	6.61	7.33	11.23
ZZZZZZ	DE14113.D	05/18/16	13:25	9.87	6.61	7.33	11.23
MC45857-1A	DE14114.D	05/18/16	13:53	9.87	6.61	7.33	11.23

Surrogate Compounds

S1 = o-Terphenyl
S2 = 2-Fluorobiphenyl
S3 = 2-Bromonaphthalene
S4 = 1-Chlorooctadecane

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

GC Surrogate Retention Time Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Check Std:	GDE792-CC735	**Injection Date:**	05/18/16
Lab File ID:	DE14115.D	**Injection Time:**	14:22
Instrument ID:	GCDE	**Method:**	MADEP EPH REV 1.1

	S1 [a] RT	S2 [a] RT	S3 [a] RT	S4 [b] RT
Check Std	9.87	6.61	7.33	11.23

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	S1 [a] RT	S2 [a] RT	S3 [a] RT	S4 [b] RT
MC45857-4A	DE14116.D	05/18/16	14:49	9.87	6.61	7.33	11.23
MC45857-5A	DE14117.D	05/18/16	15:17	9.87	6.61	7.33	11.23
MC45678-3	DE14118.D	05/18/16	15:45	9.87	6.61	7.33	11.23
ZZZZZZ	DE14119.D	05/18/16	16:13	9.87	6.61	7.33	11.23
ZZZZZZ	DE14120.D	05/18/16	16:41	9.87	6.61	7.33	11.23
ZZZZZZ	DE14121.D	05/18/16	17:09	9.87	6.61	7.33	11.22
ZZZZZZ	DE14122.D	05/18/16	17:37	9.87	6.61	7.33	11.23
ZZZZZZ	DE14123.D	05/18/16	18:05	9.87	6.61	7.33	11.23
ZZZZZZ	DE14124.D	05/18/16	18:33	9.87	6.61	7.33	11.22
ZZZZZZ	DE14125.D	05/18/16	19:01	9.87	6.61	7.33	11.23

Surrogate Compounds

S1 = o-Terphenyl
S2 = 2-Fluorobiphenyl
S3 = 2-Bromonaphthalene
S4 = 1-Chlorooctadecane

(a) Retention time from GC signal #1
(b) Retention time from GC signal #2

Initial Calibration Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Sample: GDE735-ICC735
Lab FileID: DE13195.D

Response Factor Report GCDE

Method : C:\msdchem\1\METHODS\EPH160204W.M (RTE Integrator)
Title : BMAEPH-working method
Last Update : Fri Feb 05 13:21:12 2016
Response via : Initial Calibration

Calibration Files
1 =de13197.d 2 =de13196.d 3 =de13195.d 4 =de13194.d
5 =de13193.d 6 =de13192.d 7 =de13191.d

Compound	1	2	3	4	5	6	7	Avg	%RSD
1)h c11-c22 Aromatics	9.820							9.820 E4	0.00
2) naphthalene	0.973	1.014	1.069	1.081	1.046	1.028	1.009	1.031 E5	3.63
3) 2-methylnaphthale	0.957	1.000	1.057	1.068	1.037	1.025	1.030	1.025 E5	3.65
4)s 2-fluorobiphenyl	8.586	8.981	9.512	9.617	9.324	9.238	9.302	9.223 E4	3.76
5) acenaphthylene	0.934	0.978	1.038	1.053	1.027	1.012	0.999	1.006 E5	4.00
6)s 2-bromonaphthalen	5.855	6.121	6.501	6.591	6.368	6.298	6.194	6.275 E4	3.94
7) acenaphthene	0.966	1.010	1.071	1.085	1.050	1.037	1.018	1.034 E5	3.90
8) fluorene	0.946	0.989	1.049	1.065	1.031	1.023	1.007	1.016 E5	3.92
9) phenanthrene	0.945	0.988	1.045	1.065	1.029	1.035	1.018	1.018 E5	3.92
10) anthracene	0.897	0.938	0.994	1.019	0.984	0.996	0.962	0.970 E5	4.26
11)s o-terphenyl	0.950	0.994	1.052	1.072	1.032	1.040	1.030	1.024 E5	3.96
12) fluoranthene	0.923	0.963	1.016	1.039	1.003	1.017	1.035	0.999 E5	4.21
13) pyrene	0.947	0.988	1.025	1.045	1.012	1.031	1.055	1.015 E5	3.67
14) benzo(a)anthracen	0.894	0.932	0.977	1.001	0.969	0.989	1.005	0.967 E5	4.18
15) chrysene	0.903	0.939	0.990	1.011	0.978	0.990	1.003	0.973 E5	3.97
16) benzo(B)fluoranth	0.945	0.946	0.996	1.047	1.000	0.988	1.008	0.990 E5	3.63
17) benzo(k)fluoranth	8.430	9.345	9.845	9.766	9.489	9.693	9.583	9.450 E4	5.09
18) benzo(a)pyrene	8.660	8.965	9.450	9.638	9.284	9.234	9.474	9.244 E4	3.62
19) indeno(1,2,3-cd)p	9.335	9.241	9.709	9.741	9.445	9.341	9.448	9.466 E4	2.02
20) dibenzo(ah)anthra	8.305	8.727	9.371	9.666	9.332	9.299	9.278	9.140 E4	5.05
21) benzo(ghi)perylen	8.762	8.870	9.410	9.580	9.273	9.246	9.345	9.212 E4	3.19
22)s bht								0.000	-1.00
23) bht								0.000	-1.00

Signal #2

25)h c-9	7.387							7.387 E4	0.00
26)h c-10	7.387							7.387 E4	0.00
27) naphthalene #2	7.003	7.593	7.611	8.507	8.544	8.454	8.198	7.987 E4	7.42
28) c-12	7.387							7.387 E4	0.00
29) 2-methylnaphthale	6.966	7.565	7.607	8.491	8.598	8.600	8.570	8.057 E4	8.29
30) c-14	7.387							7.387 E4	0.00
31) c-16	7.387							7.387 E4	0.00
32) c-18	7.387							7.387 E4	0.00
33) c-19	6.681							6.681 E4	0.00
34) c-20	6.681							6.681 E4	0.00
35)s 1-chlorooctadecan	4.935	5.338	5.360	5.912	5.965	5.976	6.118	5.657 E4	7.85
36) c-22	6.681							6.681 E4	0.00
37) c-24	6.681							6.681 E4	0.00
38) c-26	6.681							6.681 E4	0.00
39) c-28	6.681							6.681 E4	0.00
40)h c-30	6.681							6.681 E4	0.00
41)h c-36	6.681							6.681 E4	0.00
42)s bht								0.000	-1.00
43)s bht								0.000	-1.00
44)s bht								0.000	-1.00
45)s bht								0.000	-1.00

Initial Calibration Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GDE735-ICC735
Lab FileID: DE13195.D

(#) = Out of Range

EPH160204W.M Fri Feb 05 14:30:17 2016

Initial Calibration Verification

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico
Sample: GDE735-ICV735
Lab FileID: DE13198.D

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    :  4 Feb 2016   7:21 pm
Operator  : thomasa
Sample    : icv735-50
Misc      : op46167,gde735,1000,,,2,,w
ALS Vial  : 16   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:53:41 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title  : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  80%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 120%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
2		naphthalene	103.140	106.426 E3	-3.2	100	0.00
3		2-methylnaphthalene	102.482	104.515 E3	-2.0	99	0.00
4	s	2-fluorobiphenyl	92.230	95.715 E3	-3.8	101	0.00
5		acenaphthylene	100.602	103.788 E3	-3.2	100	0.00
6	s	2-bromonaphthalene	62.755	65.224 E3	-3.9	100	0.00
7		acenaphthene	103.376	106.000 E3	-2.5	99	0.00
8		fluorene	101.567	104.339 E3	-2.7	100	0.00
9		phenanthrene	101.763	103.522 E3	-1.7	99	0.00
10		anthracene	97.008	103.269 E3	-6.5	104	0.00
11	s	o-terphenyl	102.427	104.556 E3	-2.1	99	0.00
12		fluoranthene	99.941	102.944 E3	-3.0	101	0.00
13		pyrene	101.462	101.540 E3	-0.1	99	0.00
14		benzo(a)anthracene	96.675	100.212 E3	-3.7	103	0.00
15		chrysene	97.341	96.368 E3	1.0	97	0.00
16		benzo(B)fluoranthene	99.002	102.523 E3	-3.6	103	0.00
17		benzo(k)fluoranthene	94.503	96.169 E3	-1.8	98	0.00
18		benzo(a)pyrene	92.435	89.726 E3	2.9	95	0.00
19		indeno(1,2,3-cd)pyrene	94.658	96.506 E3	-2.0	99	0.00
20		dibenzo(ah)anthracene	91.399	94.300 E3	-3.2	101	0.00
21		benzo(ghi)perylene	92.123	95.320 E3	-3.5	101	0.00
Signal #2							
25	h	c-9	73.872	73.397 E3	0.6	0#	0.00
26	h	c-10	73.872	73.642 E3	0.3	0#	0.00
27		naphthalene #2	79.872	80.719 E3	-1.1	106	0.00
28		c-12	73.872	72.503 E3	1.9	0#	0.00
29		2-methylnaphthalene #2	80.566	79.084 E3	1.8	104	0.00
30		c-14	73.872	72.105 E3	2.4	0#	0.00
31		c-16	73.872	70.770 E3	4.2	0#	0.00

Initial Calibration Verification

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GDE735-ICV735
Lab FileID: DE13198.D

32		c-18	73.872	69.894	E3	5.4	0#	0.00
33		c-19	66.806	68.487	E3	-2.5	0#	0.00
34		c-20	66.806	67.817	E3	-1.5	0#	0.00
35	s	1-chlorooctadecane	56.575	59.379	E3	-5.0	111	0.00
36		c-22	66.806	66.707	E3	0.1	0#	0.00
37		c-24	66.806	65.519	E3	1.9	0#	0.00
38		c-26	66.806	65.031	E3	2.7	0#	0.00
39		c-28	66.806	64.086	E3	4.1	0#	0.00
40	h	c-30	66.806	62.872	E3	5.9	0#	0.00
41	h	c-36	66.806	58.670	E3	12.2	0#	0.00

Evaluate Continuing Calibration Report - Not Founds

1	h	c11-c22 Aromatics (Unadj.)	98.205	0.000	E3	100.0#	0#	-5.35#
22	s	bht	0.000	0.000		0.0	0#	-15.69#
23		bht	0.000	0.000		0.0	0#	-15.67#

Signal #2

42	s	bht	0.000	0.000		0.0	0#	-23.00#
43	s	bht	0.000	0.000		0.0	0#	-23.00#
44	s	bht	0.000	0.000		0.0	0#	-23.00#
45	s	bht	0.000	0.000		0.0	0#	-23.00#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPH160204W.M Fri Feb 05 14:30:12 2016

8.5.2

8

Continuing Calibration Summary

Job Number: MC45857 **Sample:** GDE792-CC735
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** DE14104.D
Project: BMSMC, Building 5 Area, Puerto Rico

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    : 18 May 2016   9:05 am
Operator  : thomasa
Sample    : cc735-50,gde792
Misc      : op47424,gde792,11.00,,,2,,s
ALS Vial  : 142   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:30 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title  : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
2		naphthalene	103.140	113.206 E3	-9.8	106	0.00
3		2-methylnaphthalene	102.482	110.559 E3	-7.9	105	0.00
4	s	2-fluorobiphenyl	92.230	100.366 E3	-8.8	106	0.00
5		acenaphthylene	100.602	110.450 E3	-9.8	106	0.00
6	s	2-bromonaphthalene	62.755	67.484 E3	-7.5	104	0.00
7		acenaphthene	103.376	114.522 E3	-10.8	107	0.00
8		fluorene	101.567	110.882 E3	-9.2	106	0.00
9		phenanthrene	101.763	110.200 E3	-8.3	105	0.00
10		anthracene	97.008	105.706 E3	-9.0	106	0.00
11	s	o-terphenyl	102.427	110.512 E3	-7.9	105	0.00
12		fluoranthene	99.941	107.810 E3	-7.9	106	0.00
13		pyrene	101.462	110.466 E3	-8.9	108	0.00
14		benzo(a)anthracene	96.675	103.155 E3	-6.7	106	0.00
15		chrysene	97.341	104.199 E3	-7.0	105	0.00
16		benzo(B)fluoranthene	99.002	108.798 E3	-9.9	109	0.00
17		benzo(k)fluoranthene	94.503	98.621 E3	-4.4	100	0.00
18		benzo(a)pyrene	92.435	98.485 E3	-6.5	104	0.00
19		indeno(1,2,3-cd)pyrene	94.658	99.853 E3	-5.5	103	0.00
20		dibenzo(ah)anthracene	91.399	96.909 E3	-6.0	103	0.00
21		benzo(ghi)perylene	92.123	97.644 E3	-6.0	104	0.00
Signal #2							
25	h	c-9	73.872	85.191 E3	-15.3	0#	0.00
26	h	c-10	73.872	86.053 E3	-16.5	0#	0.00
27		naphthalene #2	79.872	92.011 E3	-15.2	121	0.00
28		c-12	73.872	85.627 E3	-15.9	0#	0.00
29		2-methylnaphthalene #2	80.566	92.036 E3	-14.2	121	0.00
30		c-14	73.872	85.468 E3	-15.7	0#	0.00
31		c-16	73.872	85.241 E3	-15.4	0#	0.00

Continuing Calibration Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GDE792-CC735
Lab FileID: DE14104.D

32		c-18	73.872	85.726	E3	-16.0	0#	0.00
33		c-19	66.806	85.142	E3	-27.4#	0#	0.00
34		c-20	66.806	83.533	E3	-25.0#	0#	0.00
35	s	1-chlorooctadecane	56.575	67.489	E3	-19.3	126#	0.00
36		c-22	66.806	83.086	E3	-24.4	0#	0.00
37		c-24	66.806	77.675	E3	-16.3	0#	0.00
38		c-26	66.806	82.540	E3	-23.6	0#	0.00
39		c-28	66.806	79.518	E3	-19.0	0#	0.00
40	h	c-30	66.806	79.293	E3	-18.7	0#	0.00
41	h	c-36	66.806	68.646	E3	-2.8	0#	0.00

Evaluate Continuing Calibration Report - Not Founds

1	h	c11-c22 Aromatics (Unadj.)	98.205	0.000	E3	100.0#	0#	-5.20#
22	s	bht	0.000	0.000		0.0	0#	-15.67#
23		bht	0.000	0.000		0.0	0#	-15.67#

Signal #2

42	s	bht	0.000	0.000		0.0	0#	-23.00#
43	s	bht	0.000	0.000		0.0	0#	-23.00#
44	s	bht	0.000	0.000		0.0	0#	-23.00#
45	s	bht	0.000	0.000		0.0	0#	-23.00#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPH160518W.M Wed May 18 14:52:44 2016

8.5.3

8

Continuing Calibration Summary

Job Number: MC45857 **Sample:** GDE792-CC735
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** DE14115.D
Project: BMSMC, Building 5 Area, Puerto Rico

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14115.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    : 18 May 2016   2:22 pm
Operator  : thomasa
Sample    : cc735-50,gde792
Misc      : op47424,gde792,11.00,,,2,,s
ALS Vial  : 142   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 14:50:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title  : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
2		naphthalene	103.140	116.848 E3	-13.3	109	0.00
3		2-methylnaphthalene	102.482	114.251 E3	-11.5	108	0.00
4	s	2-fluorobiphenyl	92.230	103.893 E3	-12.6	109	0.00
5		acenaphthylene	100.602	114.207 E3	-13.5	110	0.00
6	s	2-bromonaphthalene	62.755	69.833 E3	-11.3	107	0.00
7		acenaphthene	103.376	118.458 E3	-14.6	111	0.00
8		fluorene	101.567	114.645 E3	-12.9	109	0.00
9		phenanthrene	101.763	113.681 E3	-11.7	109	0.00
10		anthracene	97.008	108.763 E3	-12.1	109	0.00
11	s	o-terphenyl	102.427	113.767 E3	-11.1	108	0.00
12		fluoranthene	99.941	110.702 E3	-10.8	109	0.00
13		pyrene	101.462	113.386 E3	-11.8	111	0.00
14		benzo(a)anthracene	96.675	105.377 E3	-9.0	108	0.00
15		chrysene	97.341	106.768 E3	-9.7	108	0.00
16		benzo(B)fluoranthene	99.002	105.985 E3	-7.1	106	0.00
17		benzo(k)fluoranthene	94.503	106.499 E3	-12.7	108	0.00
18		benzo(a)pyrene	92.435	101.101 E3	-9.4	107	0.00
19		indeno(1,2,3-cd)pyrene	94.658	102.668 E3	-8.5	106	0.00
20		dibenzo(ah)anthracene	91.399	100.667 E3	-10.1	107	0.00
21		benzo(ghi)perylene	92.123	100.849 E3	-9.5	107	0.00
Signal #2							
25	h	c-9	73.872	80.015 E3	-8.3	0#	0.00
26	h	c-10	73.872	80.773 E3	-9.3	0#	0.00
27		naphthalene #2	79.872	86.043 E3	-7.7	113	0.00
28		c-12	73.872	80.033 E3	-8.3	0#	0.00
29		2-methylnaphthalene #2	80.566	85.785 E3	-6.5	113	0.00
30		c-14	73.872	79.350 E3	-7.4	0#	0.00
31		c-16	73.872	78.460 E3	-6.2	0#	0.00

Continuing Calibration Summary

Job Number: MC45857 **Sample:** GDE792-CC735
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** DE14115.D
Project: BMSMC, Building 5 Area, Puerto Rico

32		c-18	73.872	78.213	E3	-5.9	0#	0.00
33		c-19	66.806	77.459	E3	-15.9	0#	0.00
34		c-20	66.806	75.863	E3	-13.6	0#	0.00
35	s	1-chlorooctadecane	56.575	61.203	E3	-8.2	114	0.00
36		c-22	66.806	74.984	E3	-12.2	0#	0.00
37		c-24	66.806	69.660	E3	-4.3	0#	0.00
38		c-26	66.806	73.603	E3	-10.2	0#	0.00
39		c-28	66.806	70.661	E3	-5.8	0#	0.00
40	h	c-30	66.806	70.249	E3	-5.2	0#	0.00
41	h	c-36	66.806	62.492	E3	6.5	0#	0.00

Evaluate Continuing Calibration Report - Not Founds

1	h	c11-c22 Aromatics (Unadj.)	98.205	0.000	E3	100.0#	0#	-5.20#
22	s	bht	0.000	0.000		0.0	0#	-15.67#
23		bht	0.000	0.000		0.0	0#	-15.67#

Signal #2

42	s	bht	0.000	0.000		0.0	0#	-23.00#
43	s	bht	0.000	0.000		0.0	0#	-23.00#
44	s	bht	0.000	0.000		0.0	0#	-23.00#
45	s	bht	0.000	0.000		0.0	0#	-23.00#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPH160518W.M Wed May 18 14:51:05 2016

Continuing Calibration Summary

Job Number: MC45857 **Sample:** GDE792-CC735
Account: AMANYWP Anderson Mulholland and Assoc. **Lab FileID:** DE14126.D
Project: BMSMC, Building 5 Area, Puerto Rico

Evaluate Continuing Calibration Report

```
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14126.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    : 18 May 2016   7:30 pm
Operator  : thomasa
Sample    : cc735-50,gde792
Misc      : op47424,gde792,11.00,,,2,,s
ALS Vial  : 142   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 19 08:08:04 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title  : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :


Min. RRF     :   0.000  Min. Rel. Area :  75%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 125%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(Min)
2		naphthalene	103.140	86.022 E3	16.6	80	0.00
3		2-methylnaphthalene	102.482	86.402 E3	15.7	82	0.00
4	s	2-fluorobiphenyl	92.230	79.851 E3	13.4	84	0.00
5		acenaphthylene	100.602	89.318 E3	11.2	86	0.00
6	s	2-bromonaphthalene	62.755	55.362 E3	11.8	85	0.00
7		acenaphthene	103.376	94.257 E3	8.8	88	0.00
8		fluorene	101.567	93.777 E3	7.7	89	0.00
9		phenanthrene	101.763	96.904 E3	4.8	93	0.00
10		anthracene	97.008	94.071 E3	3.0	95	0.00
11	s	o-terphenyl	102.427	98.659 E3	3.7	94	0.00
12		fluoranthene	99.941	100.792 E3	-0.9	99	0.00
13		pyrene	101.462	103.983 E3	-2.5	101	0.00
14		benzo(a)anthracene	96.675	102.065 E3	-5.6	105	0.00
15		chrysene	97.341	103.610 E3	-6.4	105	0.00
16		benzo(B)fluoranthene	99.002	108.393 E3	-9.5	109	0.00
17		benzo(k)fluoranthene	94.503	105.158 E3	-11.3	107	0.00
18		benzo(a)pyrene	92.435	102.216 E3	-10.6	108	0.00
19		indeno(1,2,3-cd)pyrene	94.658	106.509 E3	-12.5	110	0.00
20		dibenzo(ah)anthracene	91.399	103.234 E3	-12.9	110	0.00
21		benzo(ghi)perylene	92.123	104.133 E3	-13.0	111	0.00

Signal #2

25	h	c-9	73.872	77.991 E3	-5.6	0#	0.00
26	h	c-10	73.872	78.664 E3	-6.5	0#	0.00
27		naphthalene #2	79.872	83.968 E3	-5.1	110	0.00
28		c-12	73.872	78.134 E3	-5.8	0#	0.00
29		2-methylnaphthalene #2	80.566	83.927 E3	-4.2	110	0.00
30		c-14	73.872	77.835 E3	-5.4	0#	0.00
31		c-16	73.872	77.402 E3	-4.8	0#	0.00

Continuing Calibration Summary

Job Number: MC45857
Account: AMANYWP Anderson Mulholland and Assoc.
Project: BMSMC, Building 5 Area, Puerto Rico

Sample: GDE792-CC735
Lab FileID: DE14126.D

32		c-18	73.872	77.750	E3	-5.2	0#	0.00
33		c-19	66.806	77.272	E3	-15.7	0#	0.00
34		c-20	66.806	75.941	E3	-13.7	0#	0.00
35	s	1-chlorooctadecane	56.575	61.460	E3	-8.6	115	0.00
36		c-22	66.806	75.630	E3	-13.2	0#	0.00
37		c-24	66.806	70.863	E3	-6.1	0#	0.00
38		c-26	66.806	75.481	E3	-13.0	0#	0.00
39		c-28	66.806	72.932	E3	-9.2	0#	0.00
40	h	c-30	66.806	72.833	E3	-9.0	0#	0.00
41	h	c-36	66.806	66.041	E3	1.1	0#	0.00

Evaluate Continuing Calibration Report - Not Founds

1	h	c11-c22 Aromatics (Unadj.)	98.205	0.000	E3	100.0#	0#	-5.20#
22	s	bht	0.000	0.000		0.0	0#	-15.67#
23		bht	0.000	0.000		0.0	0#	-15.67#

Signal #2

42	s	bht	0.000	0.000		0.0	0#	-23.00#
43	s	bht	0.000	0.000		0.0	0#	-23.00#
44	s	bht	0.000	0.000		0.0	0#	-23.00#
45	s	bht	0.000	0.000		0.0	0#	-23.00#

(#) = Out of Range SPCC's out = 0 CCC's out = 0

EPH160518W.M Thu May 19 09:08:00 2016

8.5.5

8

GC Semi-volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 1:53 pm
Operator : thomasa
Sample : mc45857-1a,op47474
Misc : op47474,gde792,880,,,2,,w
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 14:50:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.607	1674215	18.153 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 90.77%#		
6) s 2-bromonaphthalene	7.333	1198766	19.102 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 95.51%#		
11) s o-terphenyl	9.870	1816829	17.738 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 88.69%#		
35) s 1-chlorooctadecane	11.225	843944	14.917 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 74.59%#		
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	2370095	24.134 µg/mlm
25) h c-9	2.648	1004930	13.604 µg/mlm
41) h c-36	17.008	930114	13.923 µg/mlm

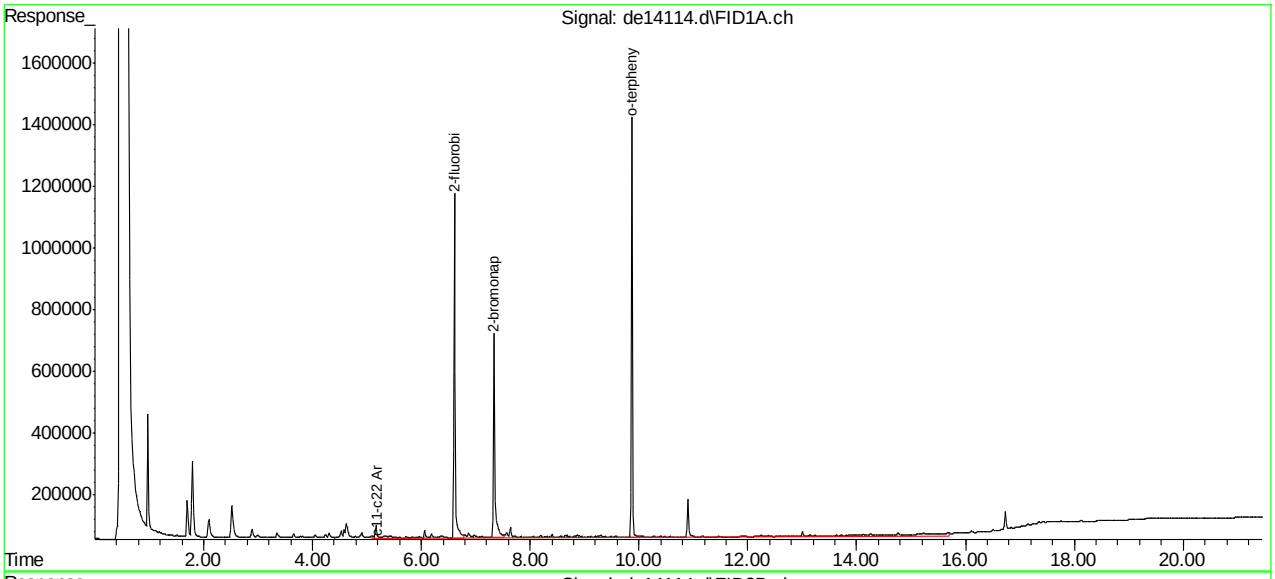
(f)=RT Delta > 1/2 Window (m)=manual int.

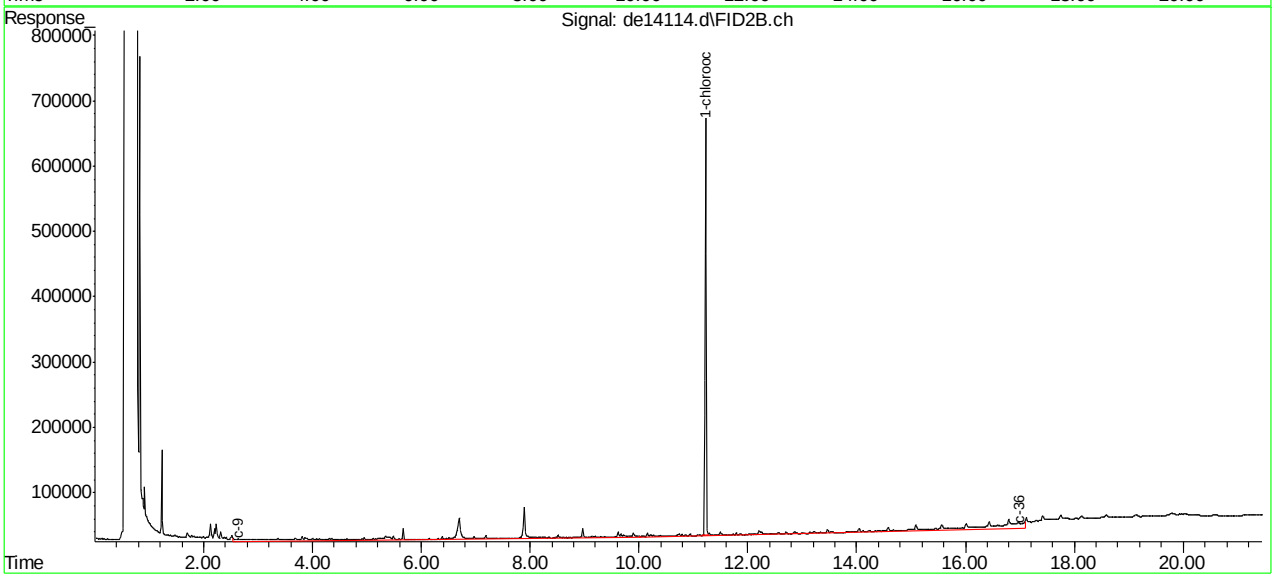
Quantitation Report (QT Reviewed)

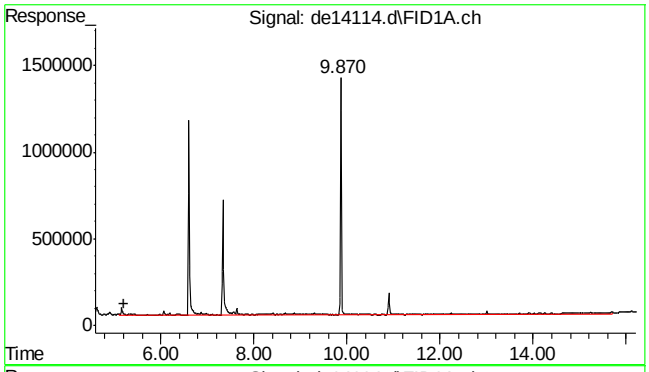
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14114.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 1:53 pm
Operator : thomasa
Sample : mc45857-1a,op47474
Misc : op47474,gde792,880,,,2,,w
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 14:50:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

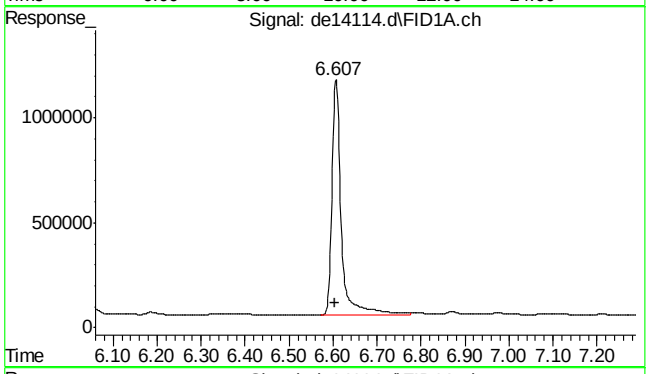






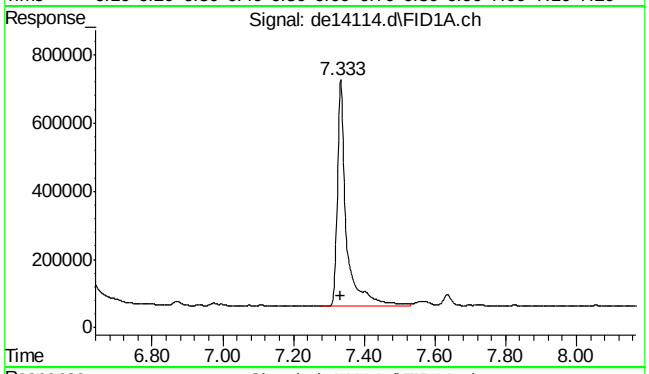
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 2370095
Conc: 24.13 µg/ml m



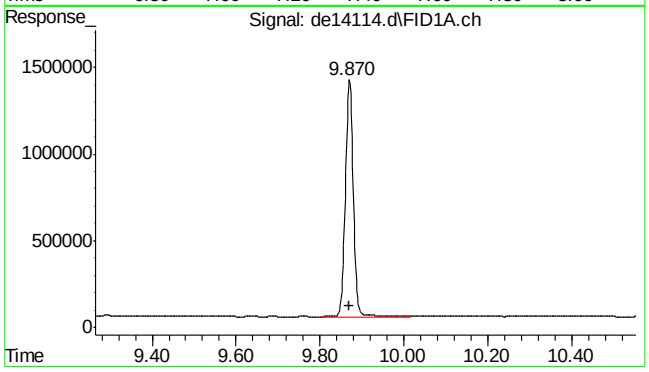
#4 2-fluorobiphenyl

R.T.: 6.607 min
Delta R.T.: 0.002 min
Response: 1674215
Conc: 18.15 µg/ml



#6 2-bromonaphthalene

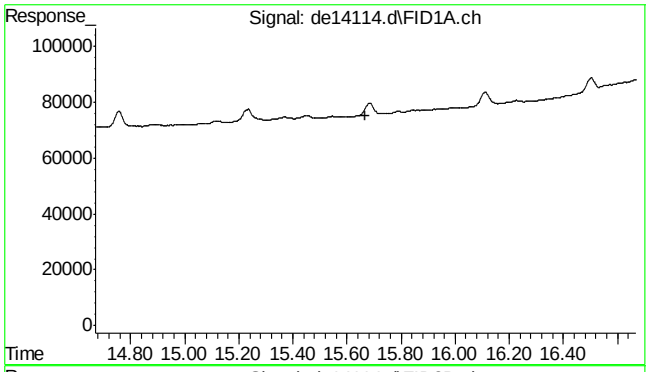
R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1198766
Conc: 19.10 µg/ml



#11 o-terphenyl

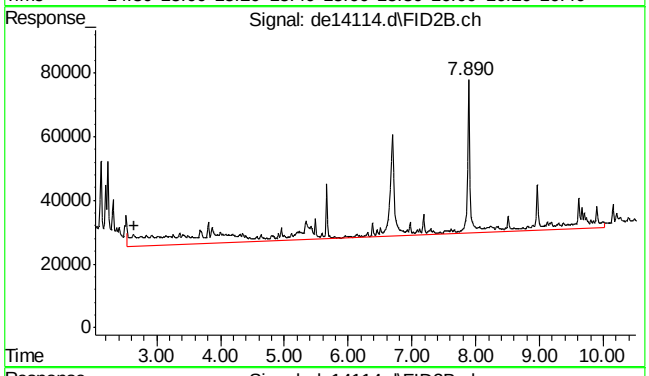
R.T.: 9.870 min
Delta R.T.: -0.002 min
Response: 1816829
Conc: 17.74 µg/ml

SGS ACCUTEST MC45857



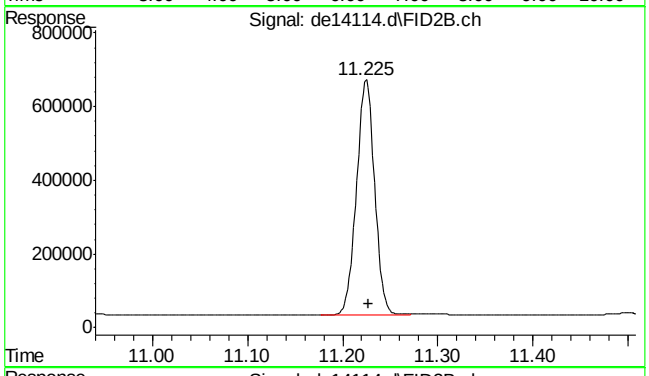
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



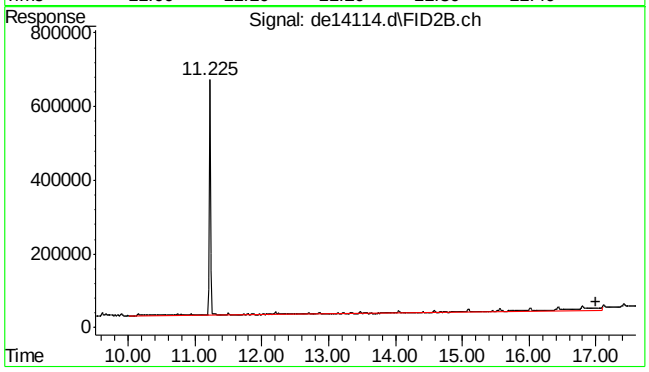
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 1004930
Conc: 13.60 µg/ml m



#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.002 min
Response: 843944
Conc: 14.92 µg/ml



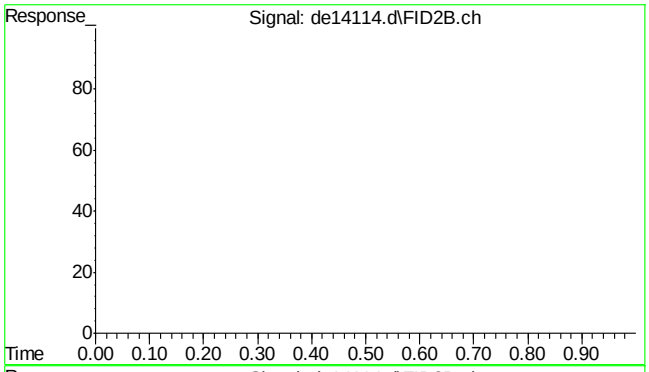
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 930114
Conc: 13.92 µg/ml m

9.1.1

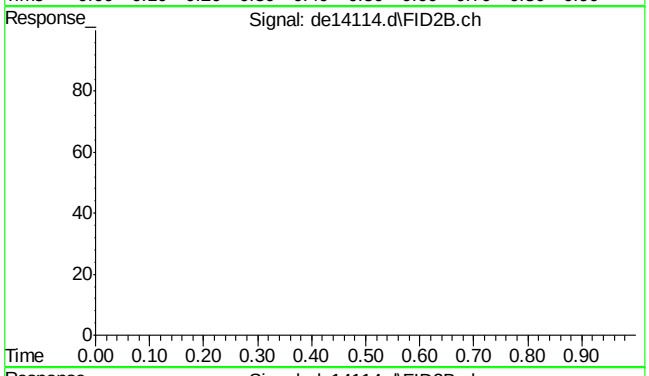
9

SGS ACCUTEST MC45857



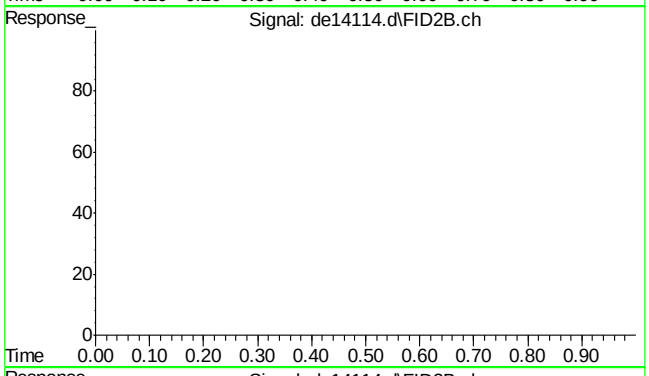
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



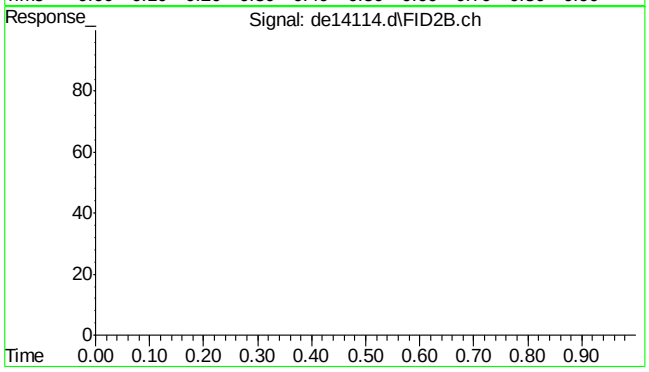
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

SGS ACCUTEST MC45857

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 2:49 pm
Operator : thomasa
Sample : mc45857-4a,op47474
Misc : op47474,gde792,950,,,2,,w
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 15:52:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.605	1610754	17.465 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	87.33%#
6) s 2-bromonaphthalene	7.333	1130397	18.013 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	90.07%#
11) s o-terphenyl	9.870	1791419	17.490 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	87.45%#
35) s 1-chlorooctadecane	11.225	818249	14.463 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	72.31%#
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	2838105	28.900 µg/mlm
25) h c-9	2.648	881840	11.937 µg/mlm
41) h c-36	17.008	808843	12.107 µg/mlm

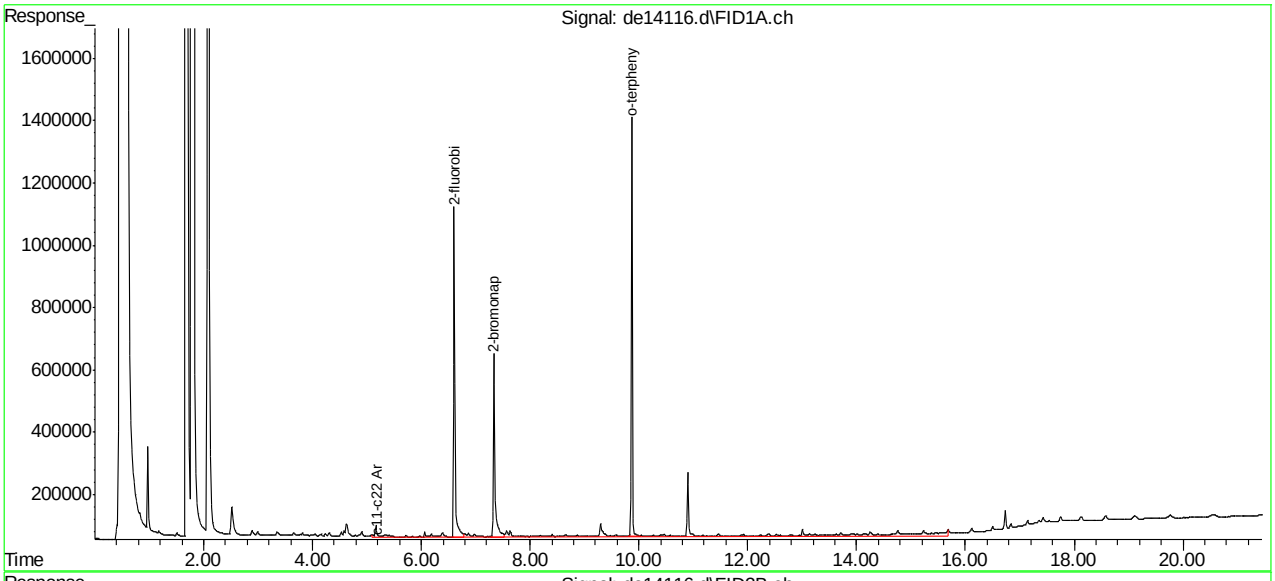
(f)=RT Delta > 1/2 Window (m)=manual int.

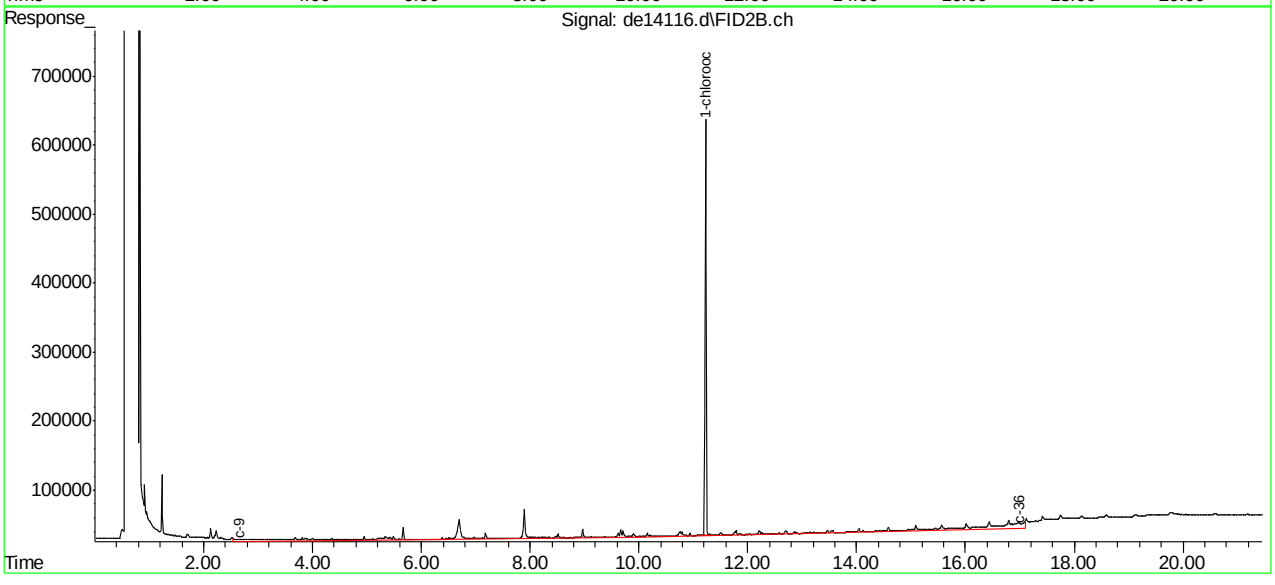
Quantitation Report (QT Reviewed)

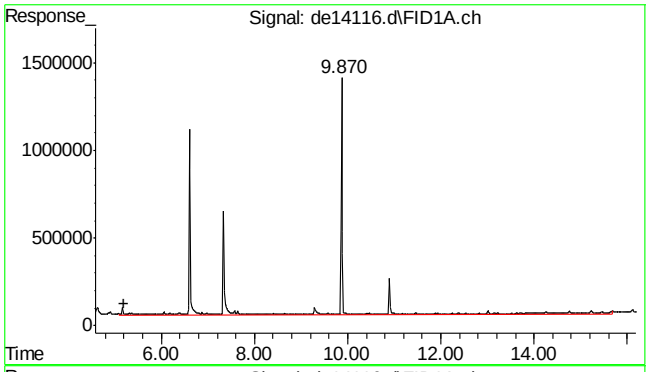
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 2:49 pm
Operator : thomasa
Sample : mc45857-4a,op47474
Misc : op47474,gde792,950,,,2,,w
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 15:52:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

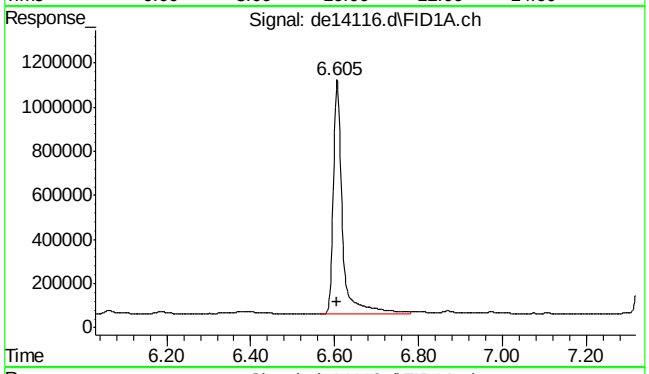






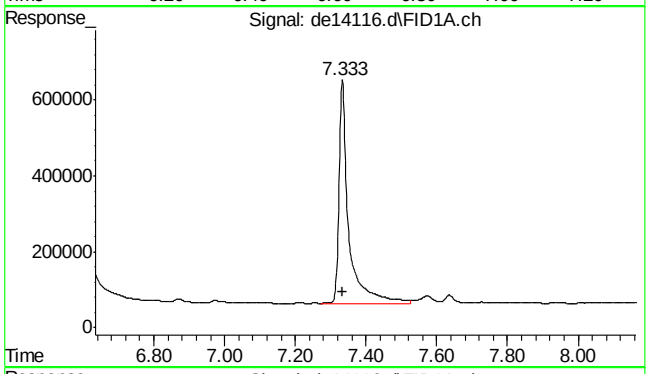
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 2838105
Conc: 28.90 µg/ml m



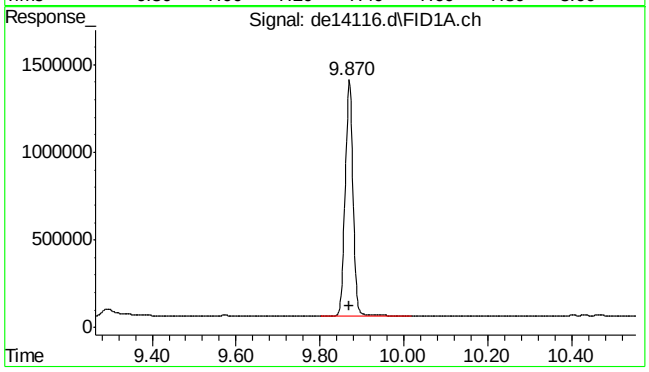
#4 2-fluorobiphenyl

R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 1610754
Conc: 17.46 µg/ml



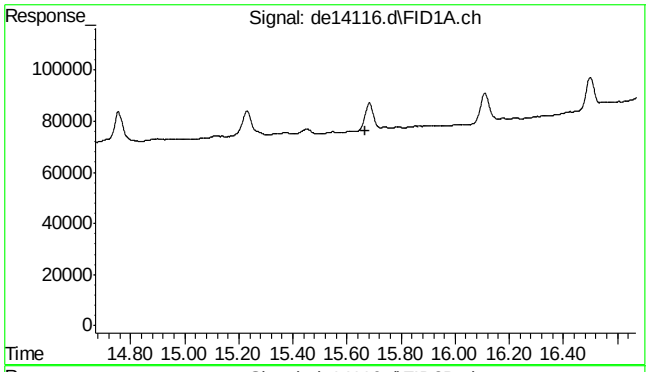
#6 2-bromonaphthalene

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1130397
Conc: 18.01 µg/ml



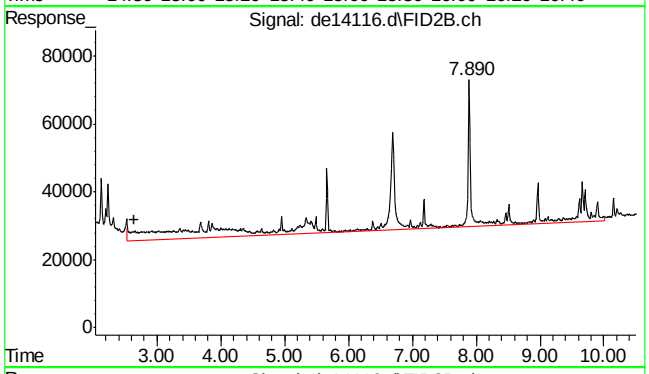
#11 o-terphenyl

R.T.: 9.870 min
Delta R.T.: -0.002 min
Response: 1791419
Conc: 17.49 µg/ml



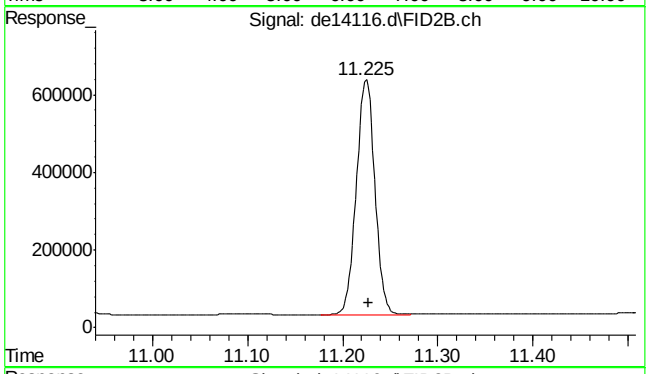
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



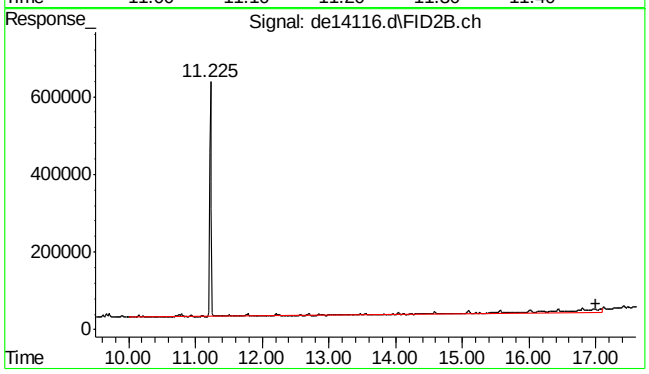
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 881840
Conc: 11.94 µg/ml m



#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.002 min
Response: 818249
Conc: 14.46 µg/ml



#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 808843
Conc: 12.11 µg/ml m

9.1.2

9

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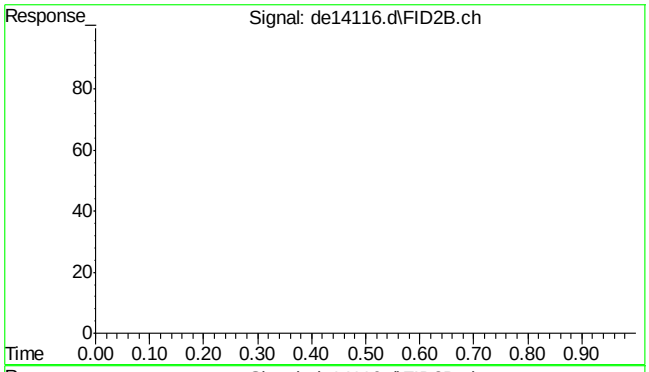
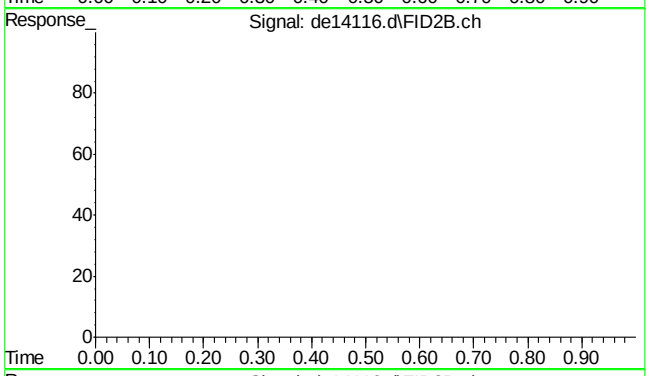


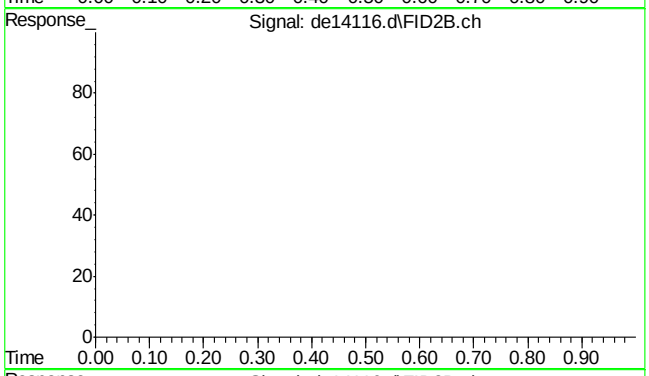
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



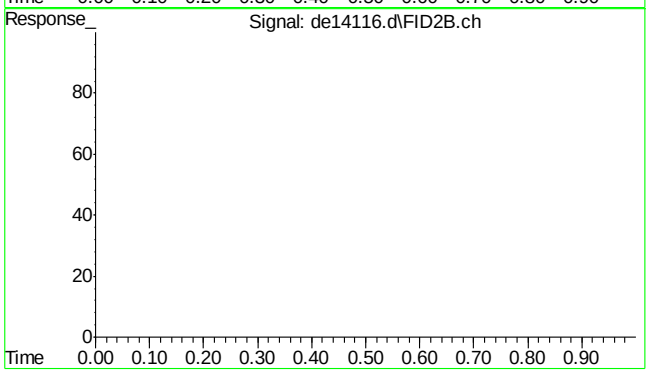
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

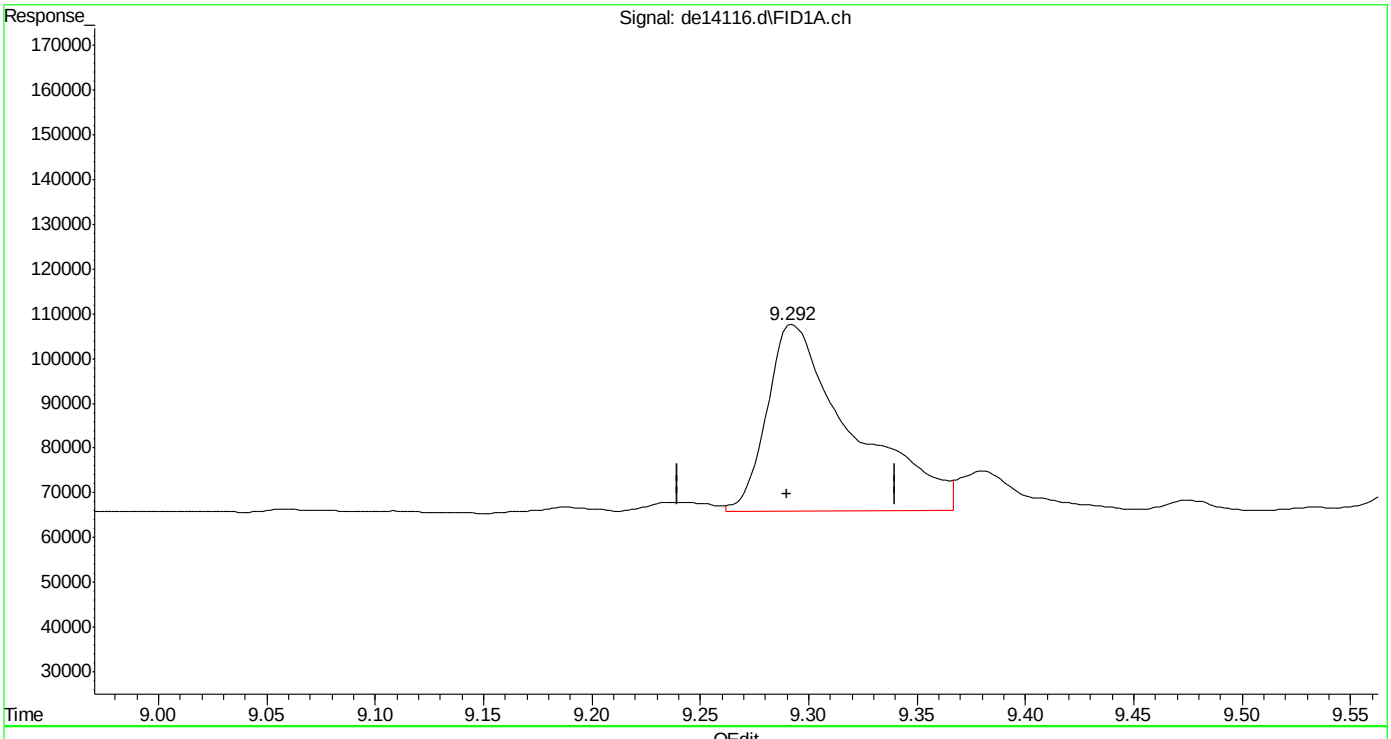
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 2:49 pm
Operator : thomasa
Sample : mc45857-4a,op47474
Misc : op47474,gde792,950,,,2,,w
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 15:50:32 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) anthracene
9.292min 1.175 µg/ml
response 113949

(+) = Expected Retention Time

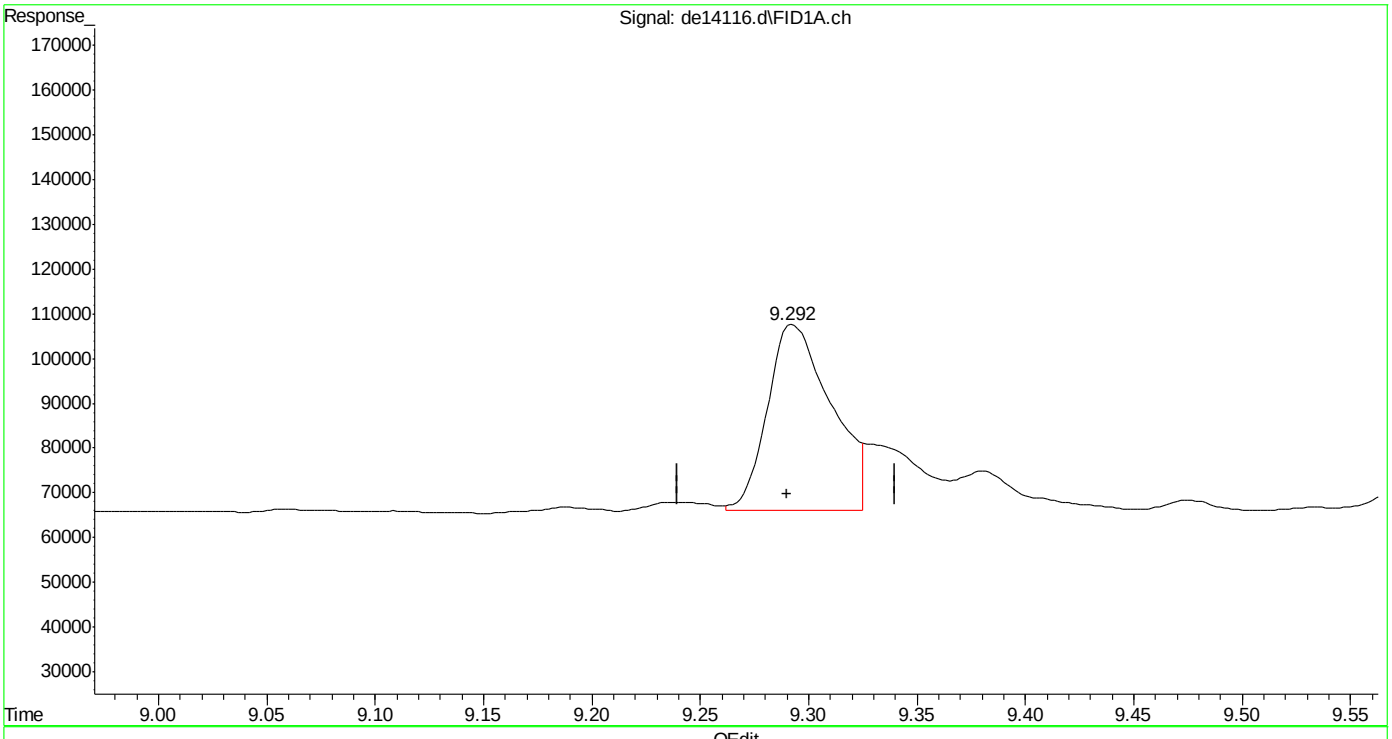
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14116.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 2:49 pm
Operator : thomasa
Sample : mc45857-4a,op47474
Misc : op47474,gde792,950,,,2,,w
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 15:50:32 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(10) anthracene
9.292min 0.883 µg/ml m
response 85675

(+) = Expected Retention Time

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 3:17 pm
Operator : thomasa
Sample : mc45857-5a,op47474
Misc : op47474,gde792,890,,,2,,w
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 15:54:31 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.607	1516218	16.440 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	82.20%#
6) s 2-bromonaphthalene	7.333	1063138	16.941 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	84.70%#
11) s o-terphenyl	9.870	1469718	14.349 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	71.75%#
35) s 1-chlorooctadecane	11.225	693430	12.257 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	61.29%#
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	2444687	24.894 µg/mlm
25) h c-9	2.648	1033818	13.995 µg/mlm
41) h c-36	17.008	830125	12.426 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

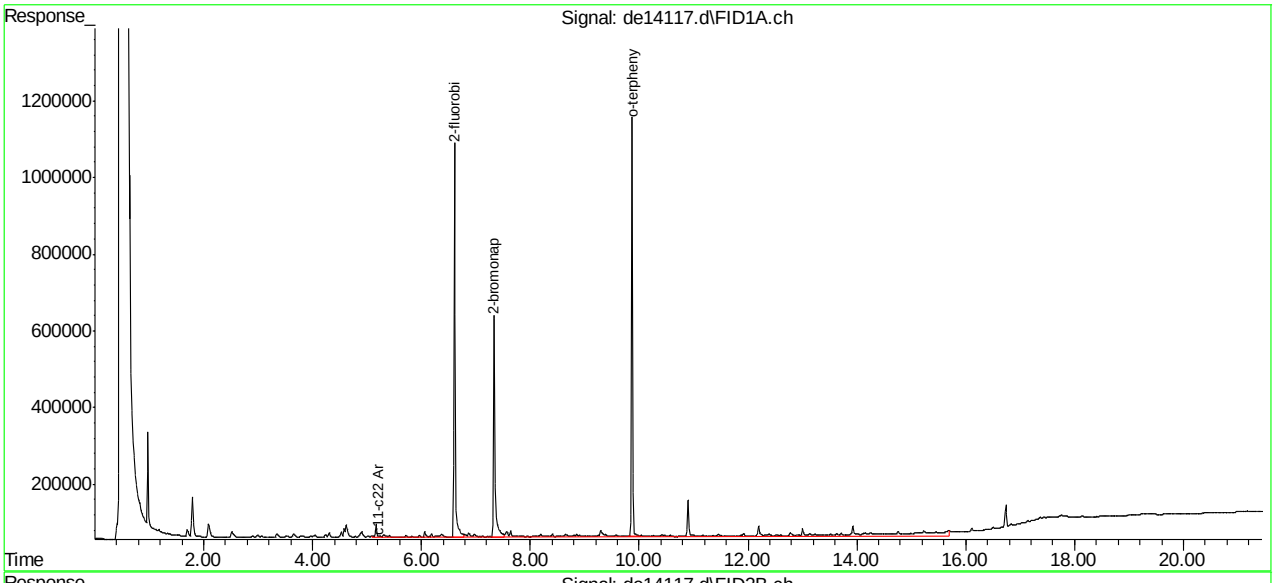
SGS ACCUTEST MC45857

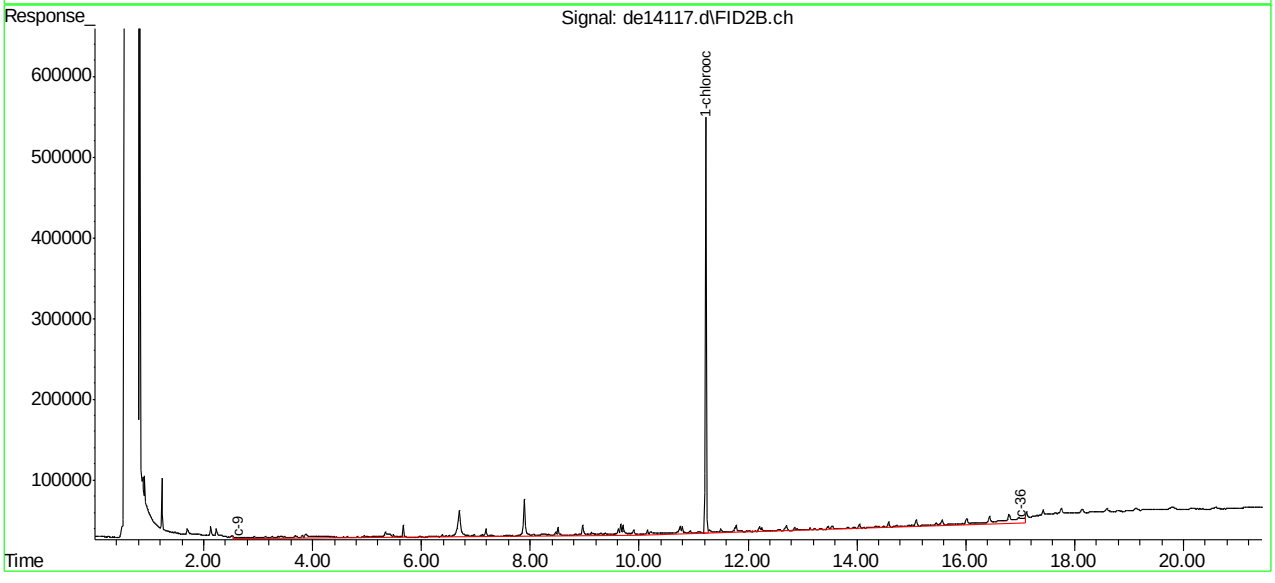
Quantitation Report (QT Reviewed)

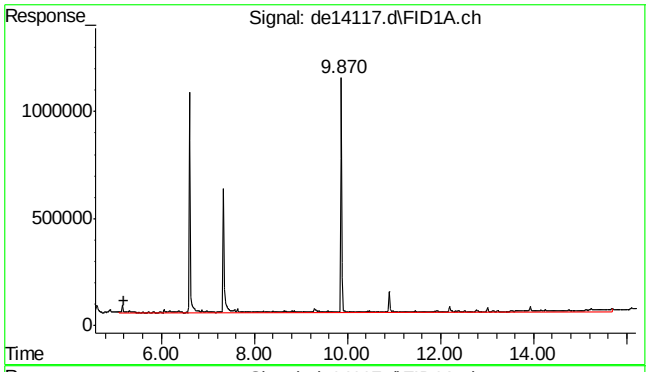
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14117.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 3:17 pm
Operator : thomasa
Sample : mc45857-5a,op47474
Misc : op47474,gde792,890,,,2,,w
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 15:54:31 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

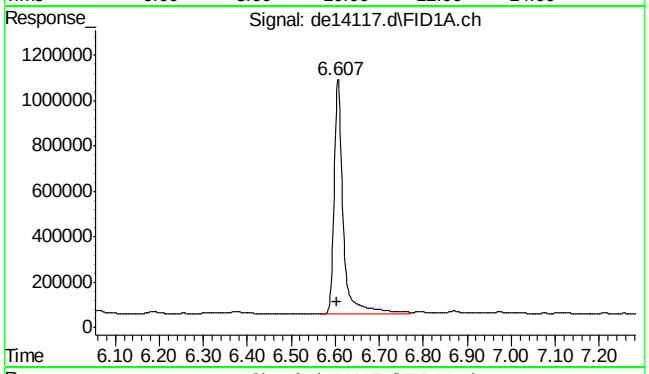






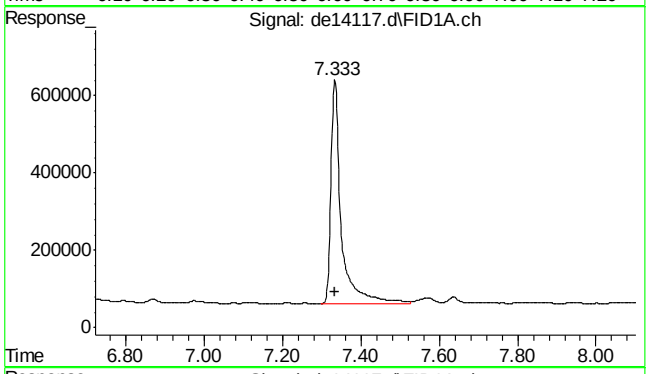
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 2444687
Conc: 24.89 µg/ml m



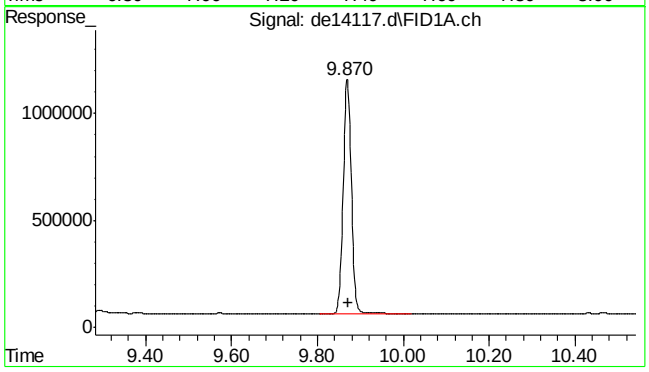
#4 2-fluorobiphenyl

R.T.: 6.607 min
Delta R.T.: 0.002 min
Response: 1516218
Conc: 16.44 µg/ml



#6 2-bromonaphthalene

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1063138
Conc: 16.94 µg/ml



#11 o-terphenyl

R.T.: 9.870 min
Delta R.T.: -0.002 min
Response: 1469718
Conc: 14.35 µg/ml

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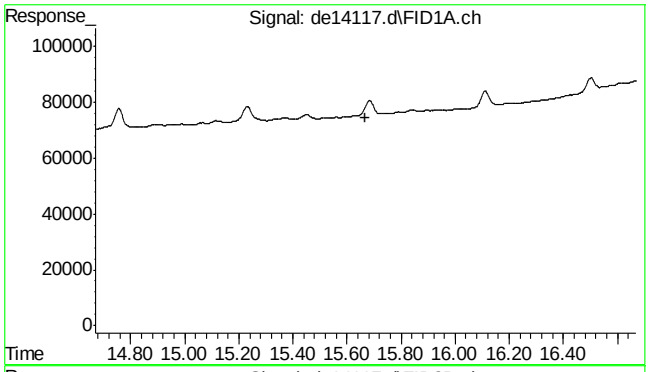
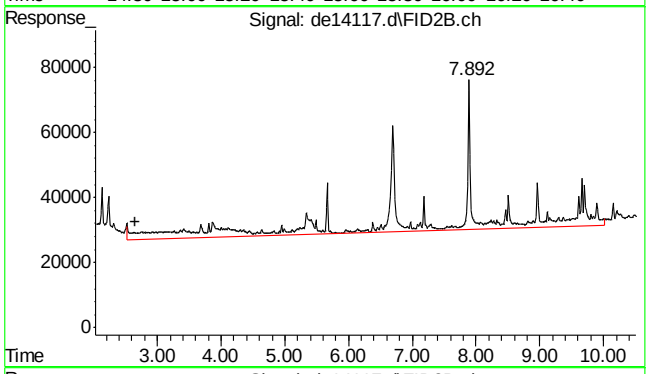


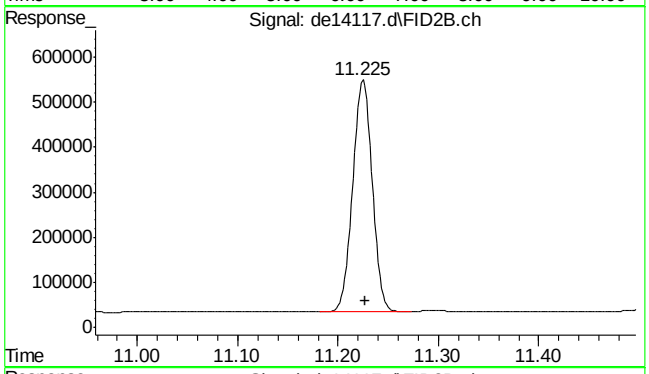
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



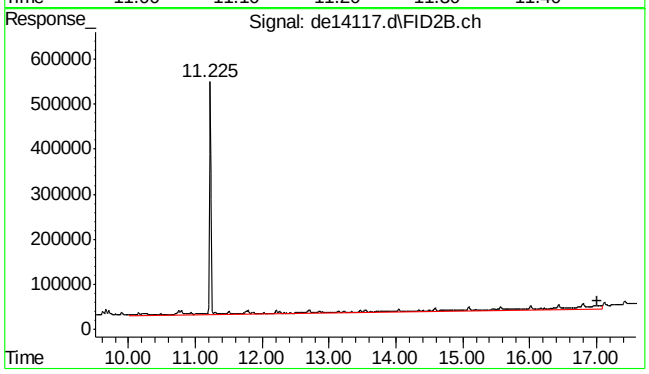
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 1033818
Conc: 13.99 µg/ml m



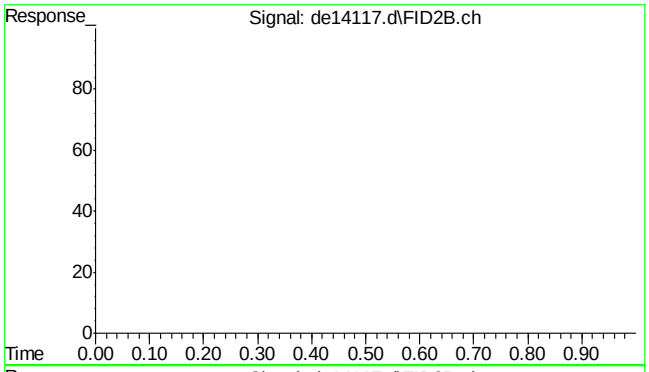
#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.002 min
Response: 693430
Conc: 12.26 µg/ml



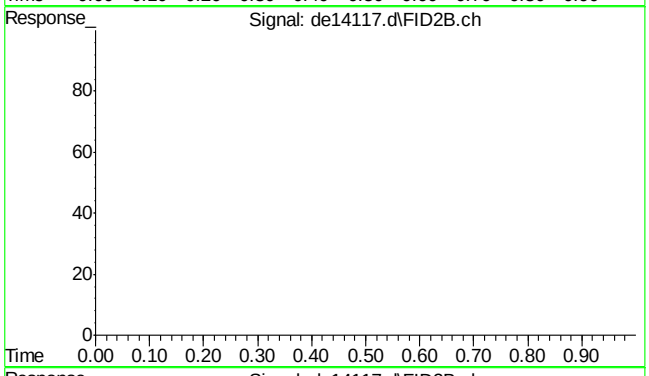
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 830125
Conc: 12.43 µg/ml m



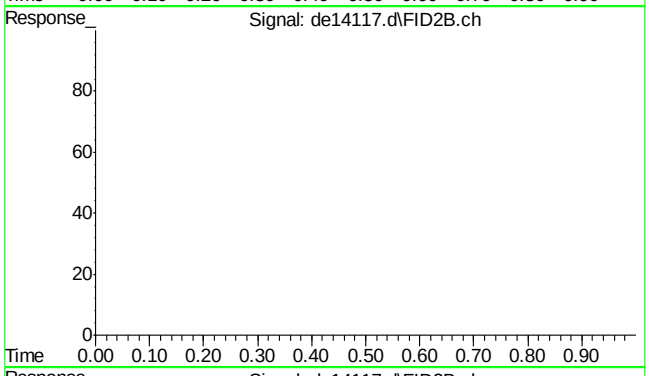
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



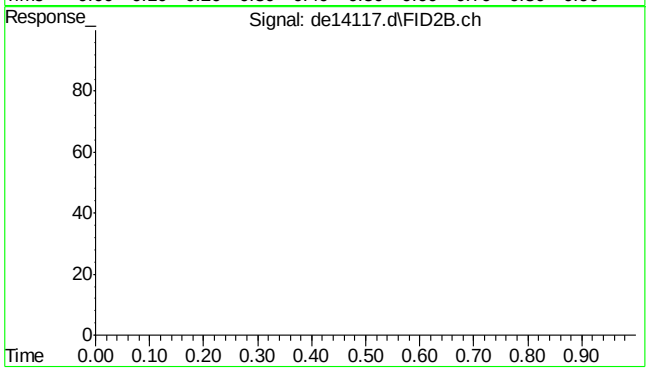
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14110.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 12:01 pm
Operator : thomasa
Sample : op47474-mb
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 12:28:09 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.605	1642743	17.811 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 89.05%#		
6) s 2-bromonaphthalene	7.335	1161654	18.511 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 92.55%#		
11) s o-terphenyl	9.870	1788397	17.460 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 87.30%#		
35) s 1-chlorooctadecane	11.225	857990	15.166 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 75.83%#		
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	3239396	32.986 µg/mlm
25) h c-9	2.648	1014719	13.736 µg/mlm
41) h c-36	17.008	844158	12.636 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

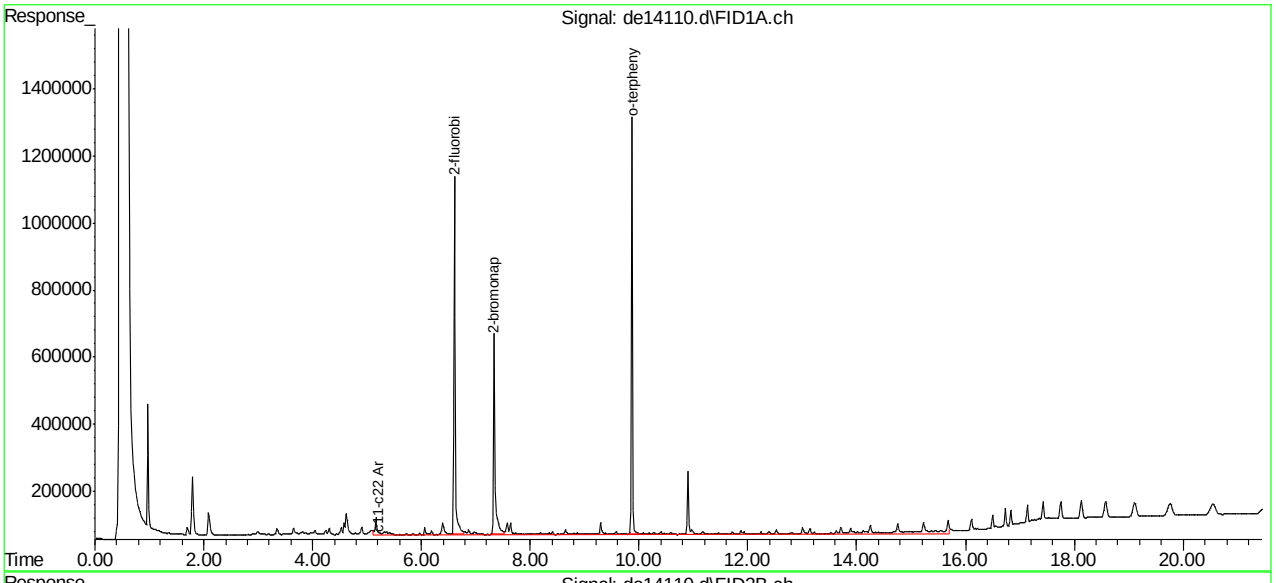
SGS ACCUTEST MC45857

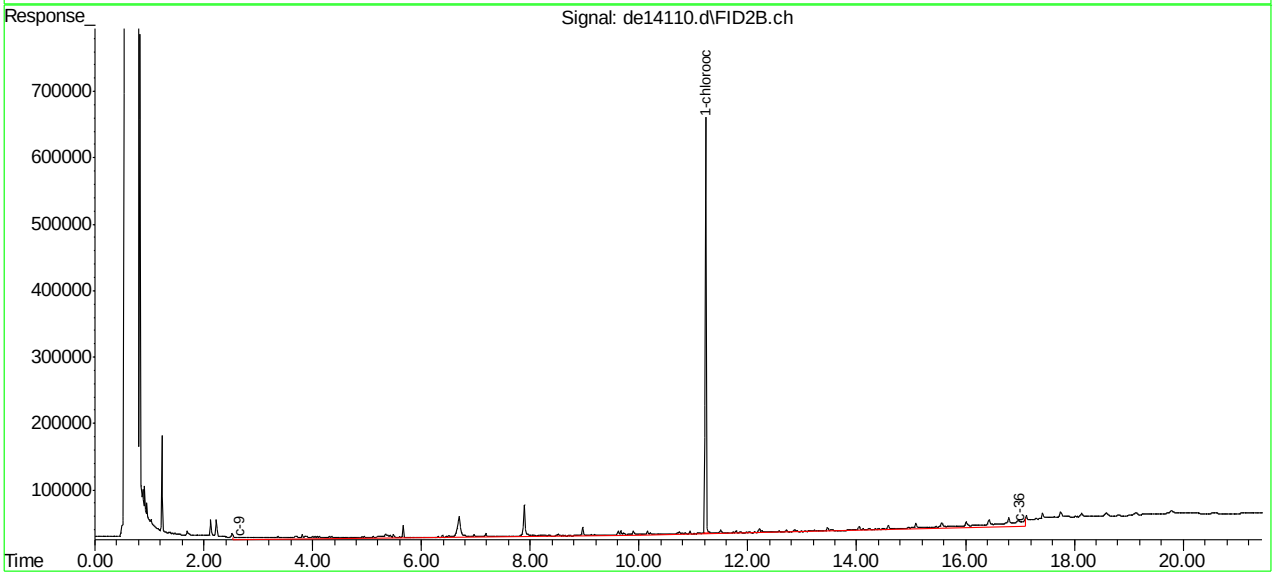
Quantitation Report (QT Reviewed)

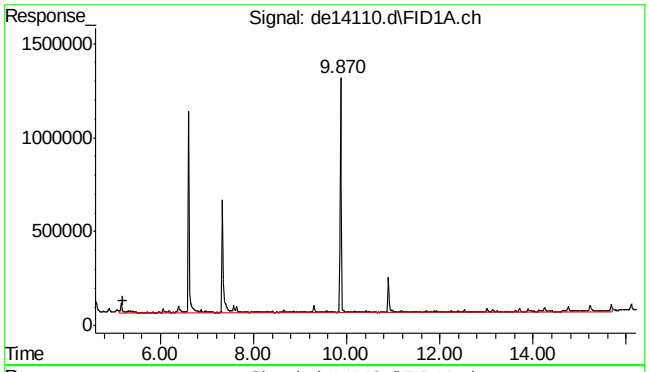
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14110.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 12:01 pm
Operator : thomasa
Sample : op47474-mb
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 12:28:09 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

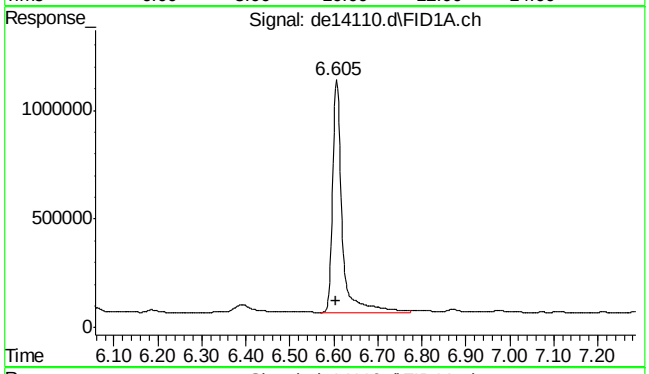






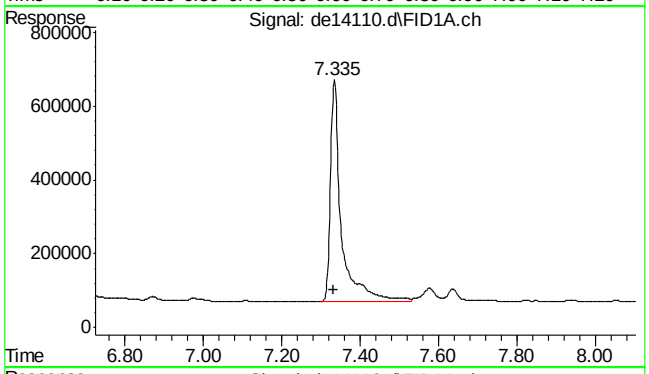
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 3239396
Conc: 32.99 µg/ml m



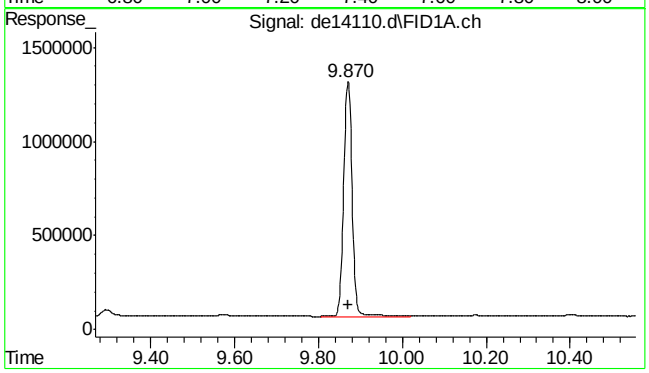
#4 2-fluorobiphenyl

R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 1642743
Conc: 17.81 µg/ml



#6 2-bromonaphthalene

R.T.: 7.335 min
Delta R.T.: 0.002 min
Response: 1161654
Conc: 18.51 µg/ml



#11 o-terphenyl

R.T.: 9.870 min
Delta R.T.: -0.002 min
Response: 1788397
Conc: 17.46 µg/ml

9.2.1

9

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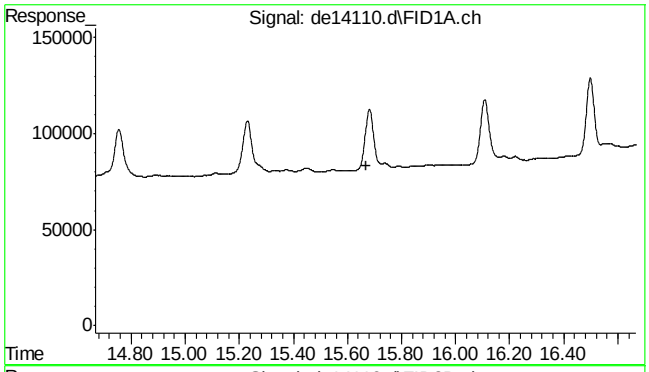
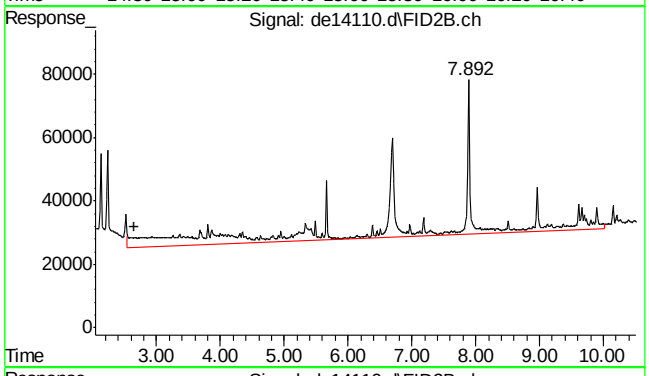


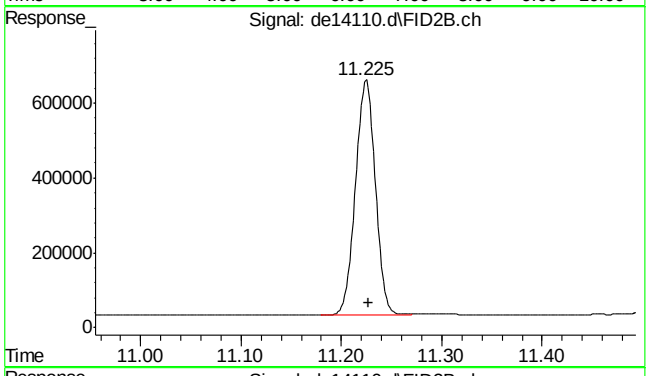
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



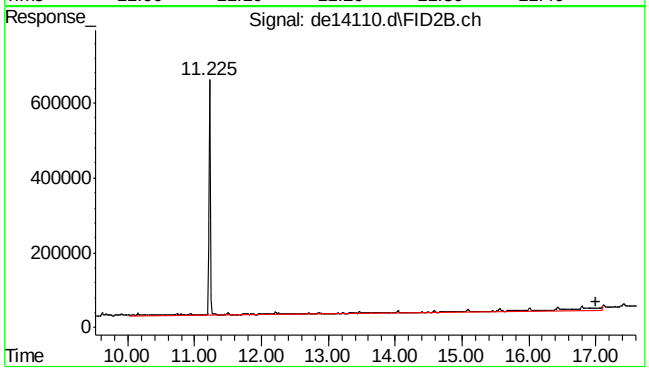
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 1014719
Conc: 13.74 µg/ml m



#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.002 min
Response: 857990
Conc: 15.17 µg/ml



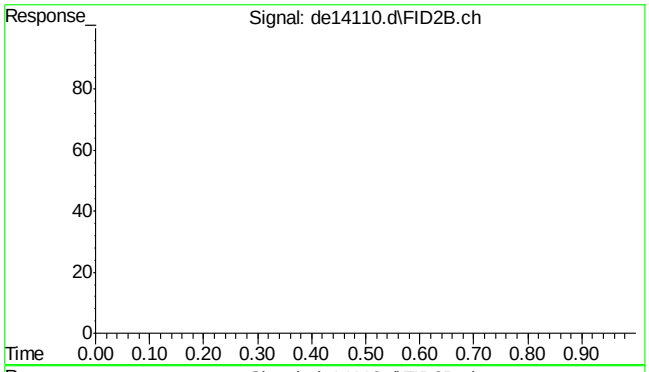
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 844158
Conc: 12.64 µg/ml m

9.2.1

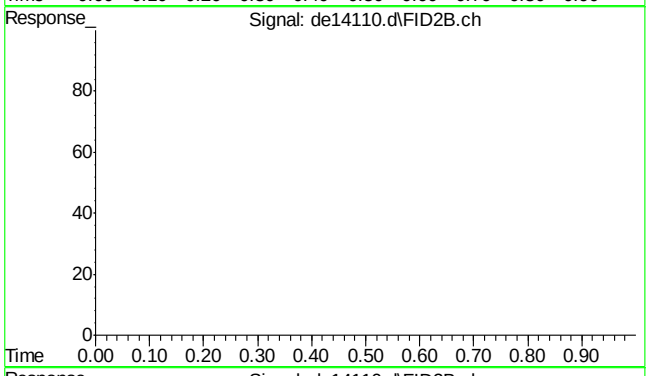
9

SGS ACCUTEST MC45857



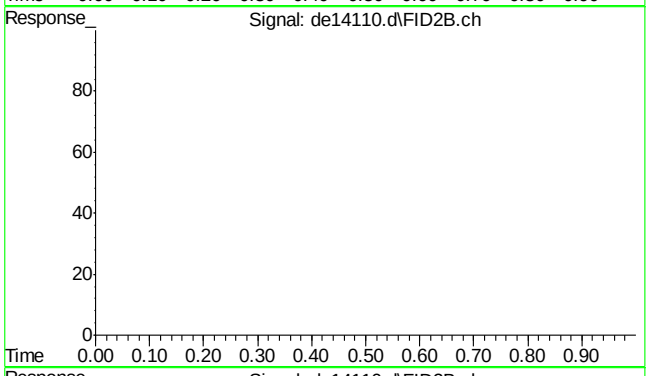
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



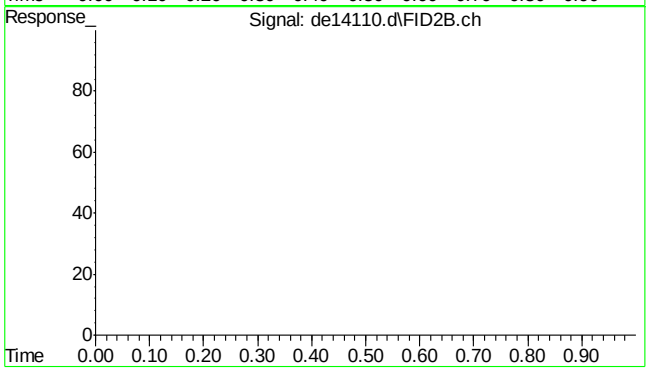
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

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Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/18/16 15:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 12:04:58 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.607	1659869	17.997 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 89.98%#	
6) s 2-bromonaphthalene	7.333	1074985	17.130 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 85.65%#	
11) s o-terphenyl	9.870	1798050	17.555 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 87.78%#	
35) s 1-chlorooctadecane	11.223	859560	15.193 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 75.96%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	36807275	374.802 µg/mlm
2) naphthalene	5.155	1646563	15.964 µg/ml
3) 2-methylnaphthalene	6.053	1637921	15.983 µg/ml
5) acenaphthylene	7.165	1640112	16.303 µg/ml
7) acenaphthene	7.407	1880583	18.192 µg/ml
8) fluorene	8.050	1766536	17.393 µg/ml
9) phenanthrene	9.228	1871101	18.387 µg/ml
10) anthracene	9.287	2068922	21.327 µg/ml
12) fluoranthene	10.730	2111203	21.124 µg/ml
13) pyrene	10.988	2140472	21.096 µg/ml
14) benzo(a)anthracene	12.552	2130818	22.041 µg/ml
15) chrysene	12.598	2158465	22.174 µg/ml
16) benzo(B)fluoranthene	13.850	2137253	21.588 µg/mlm
17) benzo(k)fluoranthene	13.875	2100769	22.230 µg/mlm
18) benzo(a)pyrene	14.178	2068563	22.378 µg/ml
19) indeno(1,2,3-cd)pyrene	15.320	2056461	21.725 µg/mlm
20) dibenzo(ah)anthracene	15.362	2044336	22.367 µg/mlm
21) benzo(ghi)perylene	15.540	2068431	22.453 µg/ml
25) h c-9	2.648	902246	12.214 µg/mlm
26) h c-10	3.815	1082756	14.657 µg/ml
27) naphthalene #2	5.487	6711	0.084 µg/ml
28) c-12	5.663	1163792	15.754 µg/ml
29) 2-methylnaphthalene #2	6.382	6422	0.080 µg/ml
30) c-14	7.182	1171064	15.853 µg/ml
31) c-16	8.510	1236565	16.739 µg/ml
32) c-18	9.705	1394490	18.877 µg/ml
33) c-19	10.260	1436936	21.509 µg/ml
34) c-20	10.790	1458164	21.827 µg/ml
36) c-22	11.785	1478911	22.137 µg/ml
37) c-24	12.703	1470695	22.014 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 12:04:58 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc	Units
38)		c-26	13.553	1443611	21.609	µg/ml
39)		c-28	14.347	1423103	21.302	µg/ml
40)	h	c-30	15.098	1414554	21.174	µg/ml
41)	h	c-36	17.008	1164289	17.428	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.3.1

9

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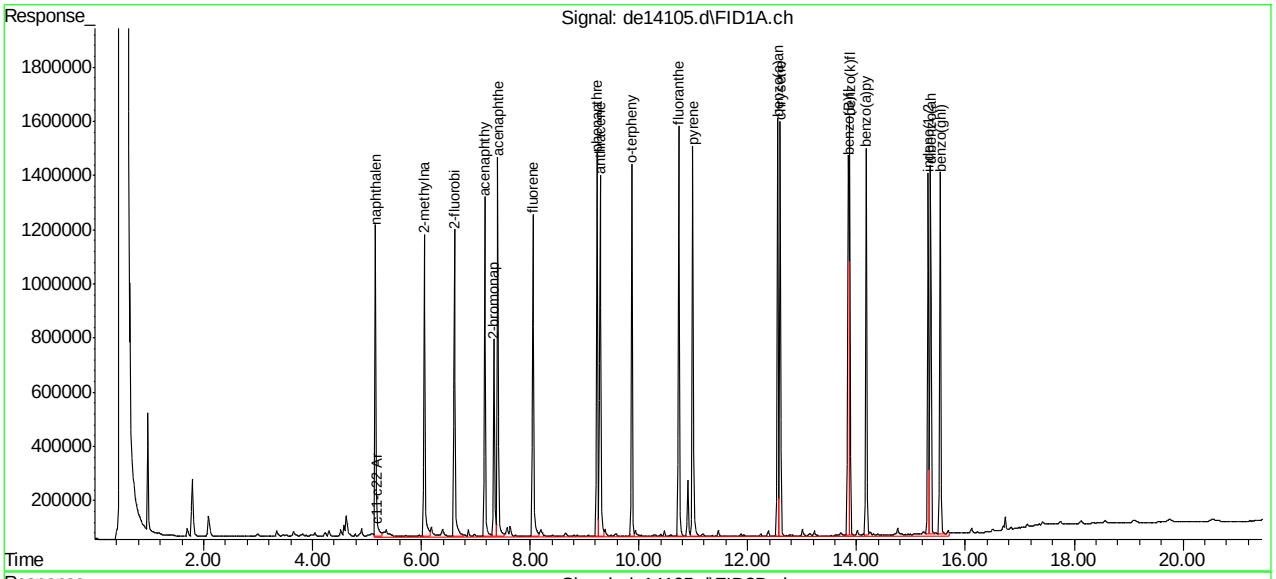
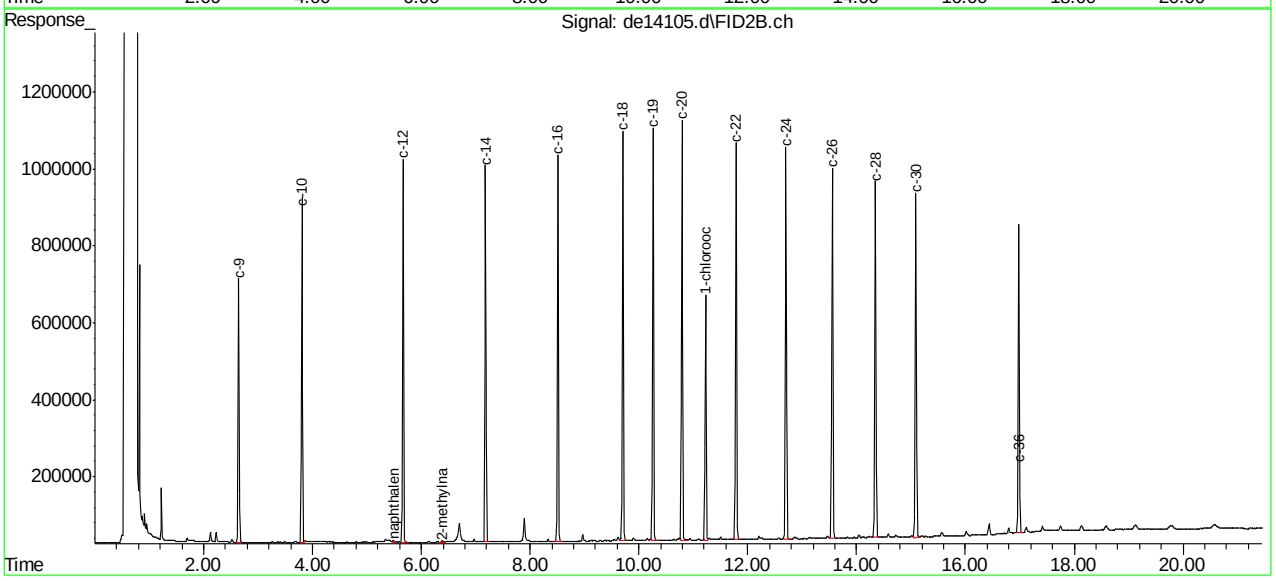
Quantitation Report (QT Reviewed)

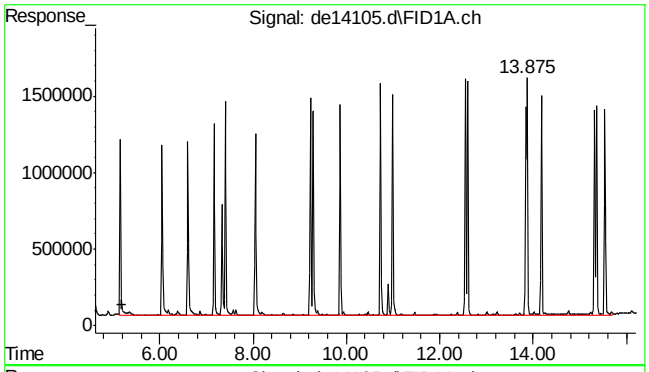
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 12:04:58 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

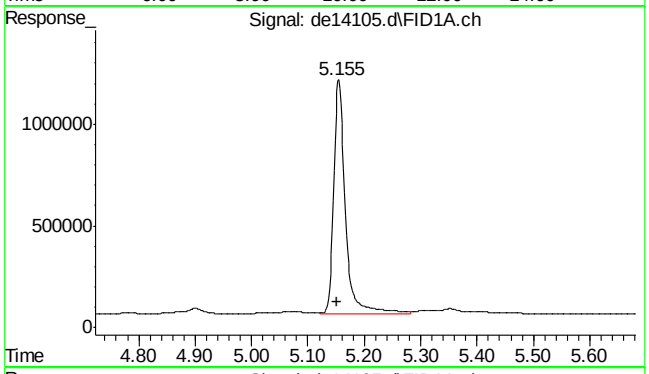






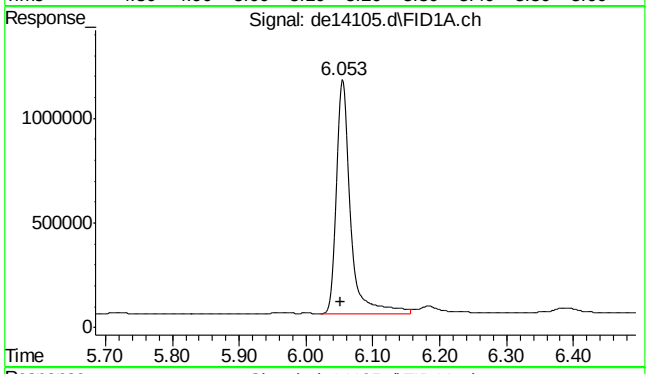
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 36807275
Conc: 374.80 µg/ml m



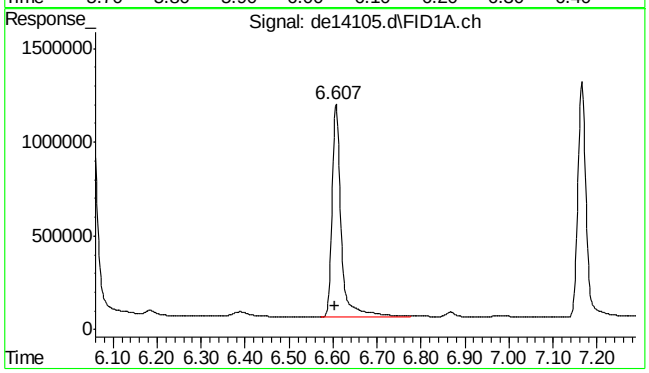
#2 naphthalene

R.T.: 5.155 min
Delta R.T.: 0.003 min
Response: 1646563
Conc: 15.96 µg/ml



#3 2-methylnaphthalene

R.T.: 6.053 min
Delta R.T.: 0.002 min
Response: 1637921
Conc: 15.98 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.607 min
Delta R.T.: 0.002 min
Response: 1659869
Conc: 18.00 µg/ml

9.3.1

9

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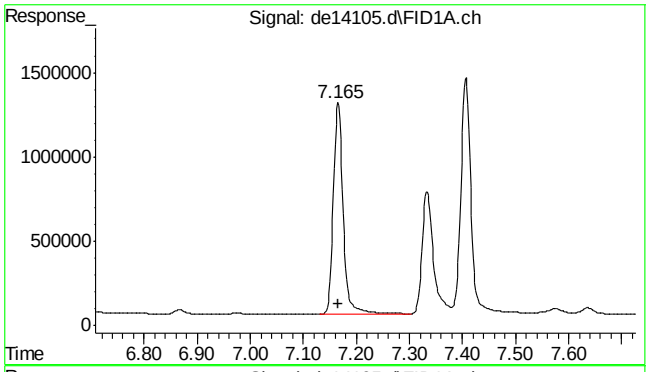
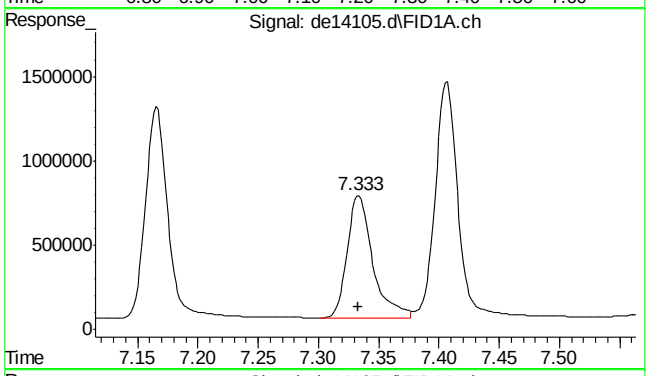


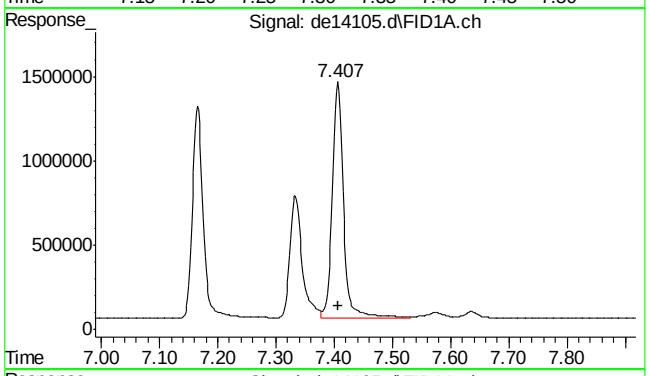
#5 acenaphthylene

R.T.: 7.165 min
Delta R.T.: -0.002 min
Response: 1640112
Conc: 16.30 µg/ml



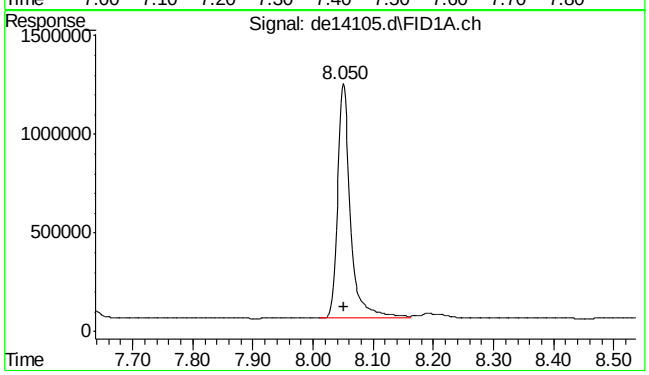
#6 2-bromonaphthalene

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1074985
Conc: 17.13 µg/ml



#7 acenaphthene

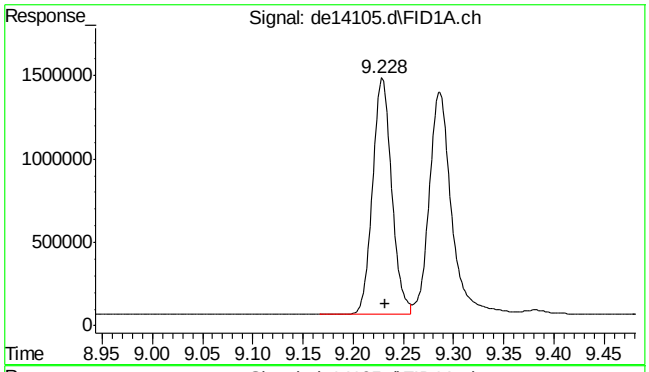
R.T.: 7.407 min
Delta R.T.: 0.000 min
Response: 1880583
Conc: 18.19 µg/ml



#8 fluorene

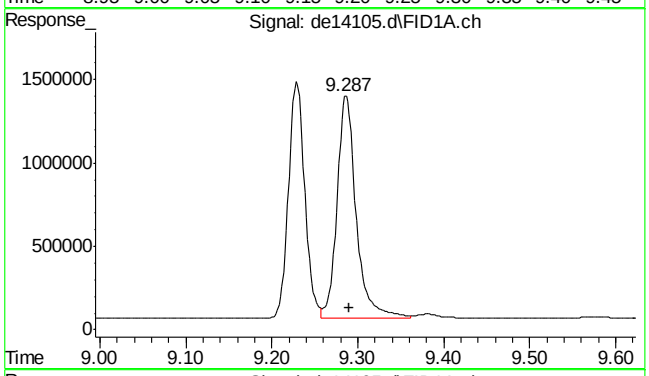
R.T.: 8.050 min
Delta R.T.: -0.002 min
Response: 1766536
Conc: 17.39 µg/ml

SGS ACCUTEST MC45857



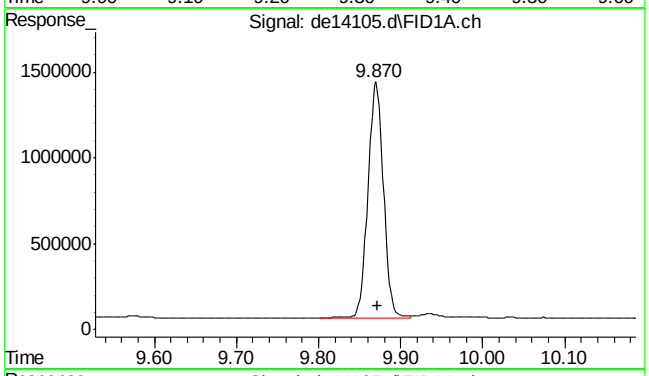
#9 phenanthrene

R.T.: 9.228 min
Delta R.T.: -0.003 min
Response: 1871101
Conc: 18.39 µg/ml



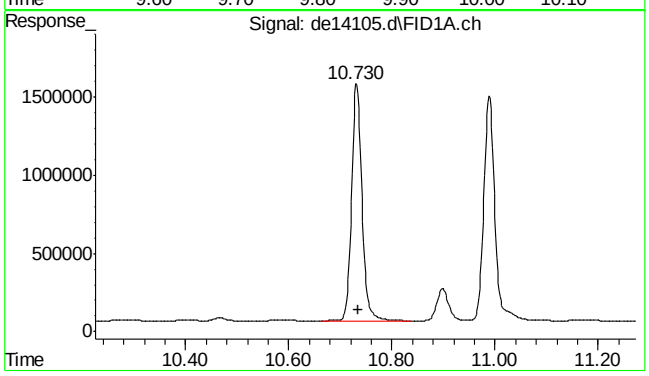
#10 anthracene

R.T.: 9.287 min
Delta R.T.: -0.003 min
Response: 2068922
Conc: 21.33 µg/ml



#11 o-terphenyl

R.T.: 9.870 min
Delta R.T.: -0.002 min
Response: 1798050
Conc: 17.55 µg/ml



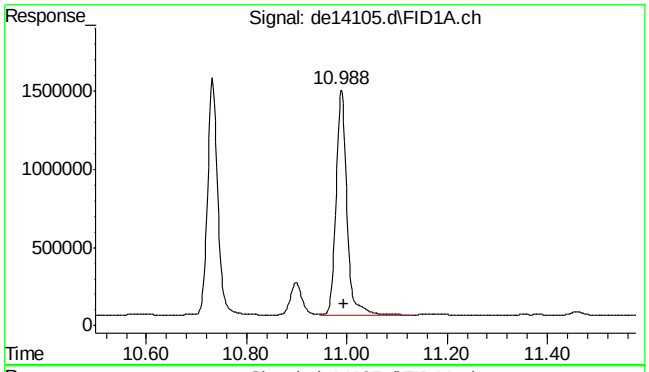
#12 fluoranthene

R.T.: 10.730 min
Delta R.T.: -0.005 min
Response: 2111203
Conc: 21.12 µg/ml

9.3.1

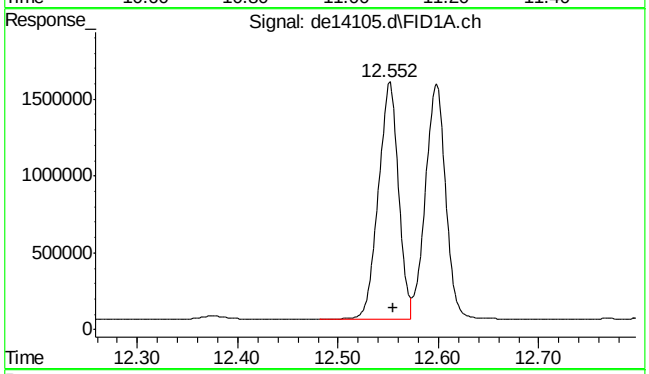
9

SGS ACCUTEST MC45857



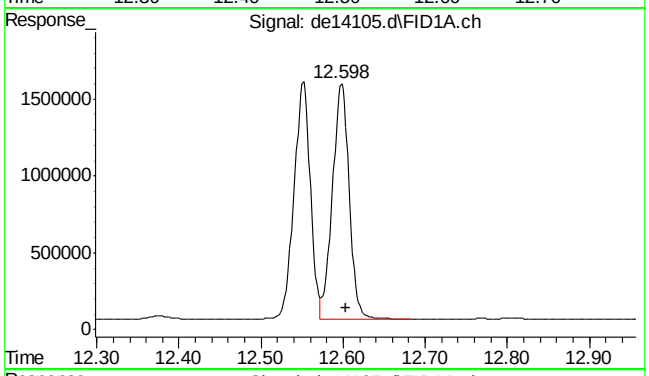
#13 pyrene

R.T.: 10.988 min
Delta R.T.: -0.005 min
Response: 2140472
Conc: 21.10 µg/ml



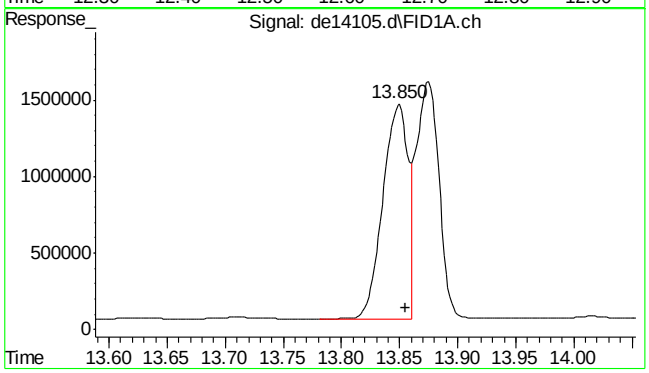
#14 benzo(a)anthracene

R.T.: 12.552 min
Delta R.T.: -0.003 min
Response: 2130818
Conc: 22.04 µg/ml



#15 chrysene

R.T.: 12.598 min
Delta R.T.: -0.005 min
Response: 2158465
Conc: 22.17 µg/ml



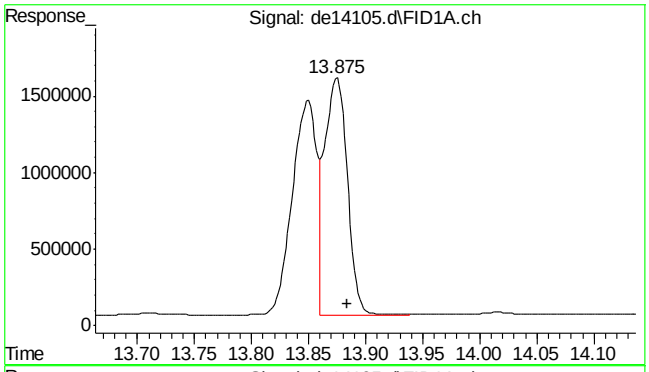
#16 benzo(B)fluoranthene

R.T.: 13.850 min
Delta R.T.: -0.005 min
Response: 2137253
Conc: 21.59 µg/ml m

9.3.1

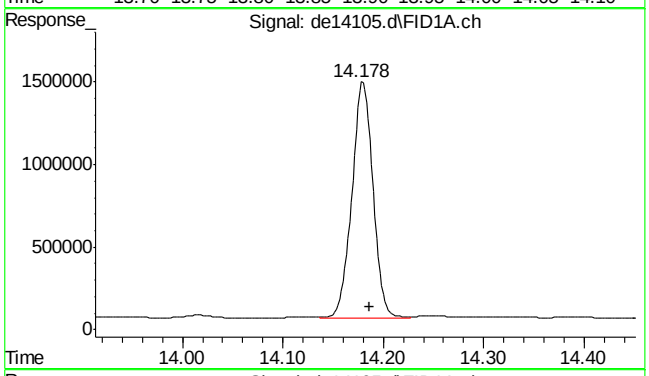
9

SGS ACCUTEST MC45857



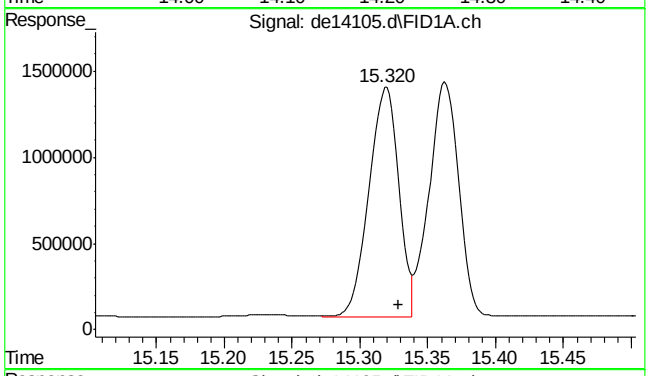
#17 benzo(k)fluoranthene

R.T.: 13.875 min
Delta R.T.: -0.008 min
Response: 2100769
Conc: 22.23 µg/ml m



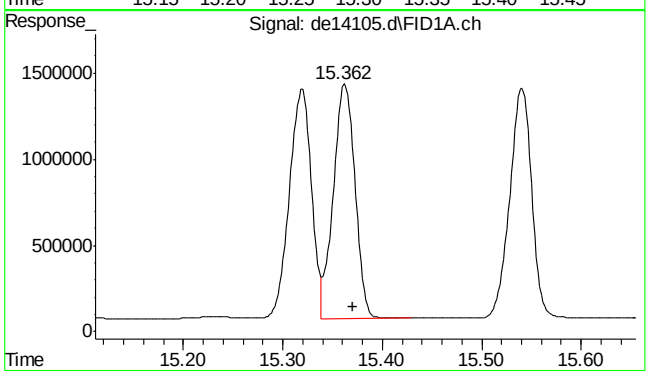
#18 benzo(a)pyrene

R.T.: 14.178 min
Delta R.T.: -0.008 min
Response: 2068563
Conc: 22.38 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.320 min
Delta R.T.: -0.008 min
Response: 2056461
Conc: 21.73 µg/ml m



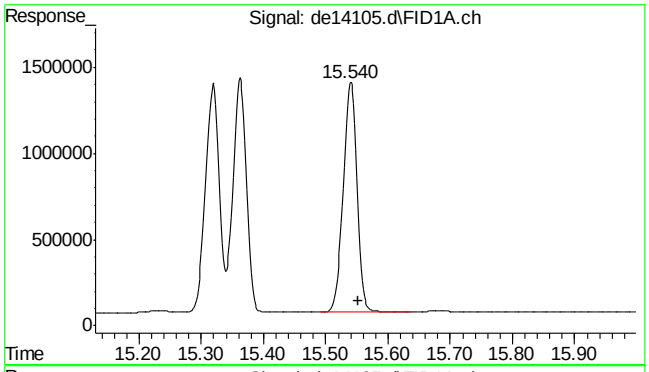
#20 dibenzo(ah)anthracene

R.T.: 15.362 min
Delta R.T.: -0.008 min
Response: 2044336
Conc: 22.37 µg/ml m

9.3.1

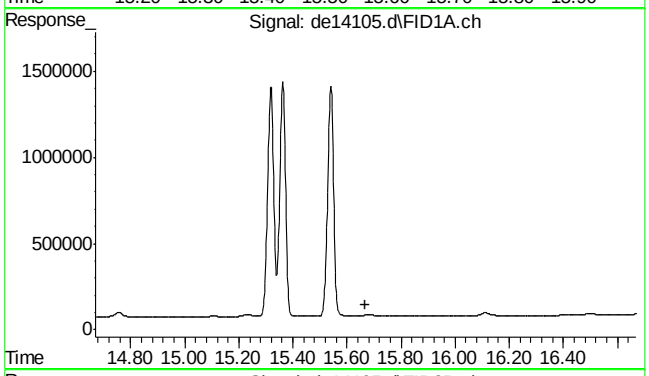
9

SGS ACCUTEST MC45857



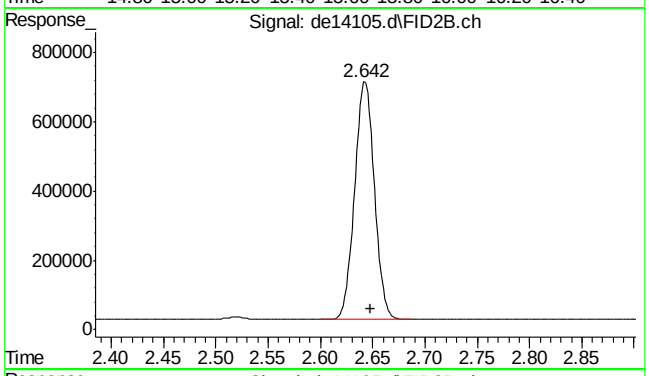
#21 benzo(ghi)perylene

R.T.: 15.540 min
Delta R.T.: -0.012 min
Response: 2068431
Conc: 22.45 µg/ml



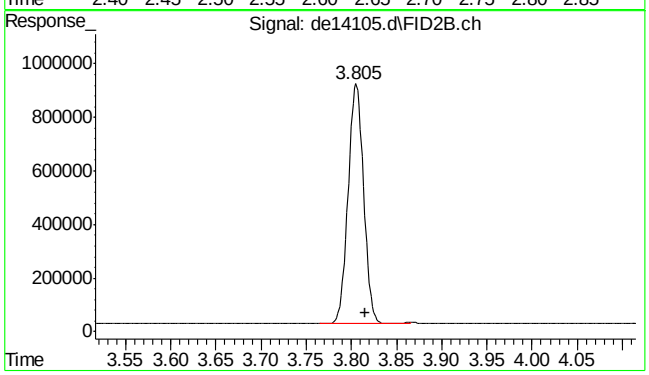
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



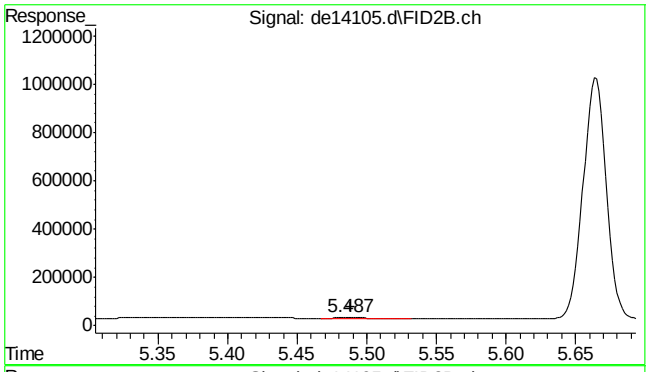
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 902246
Conc: 12.21 µg/ml m



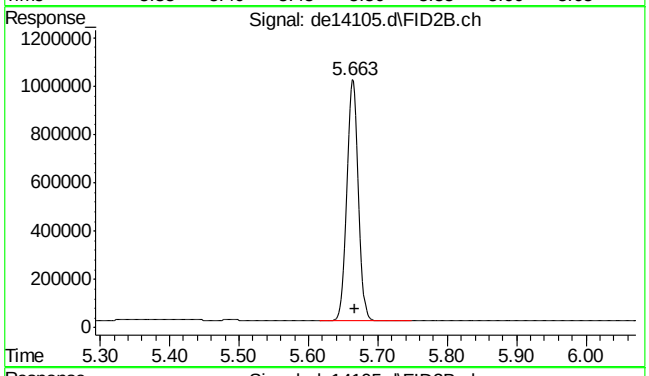
#26 c-10

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 1082756
Conc: 14.66 µg/ml



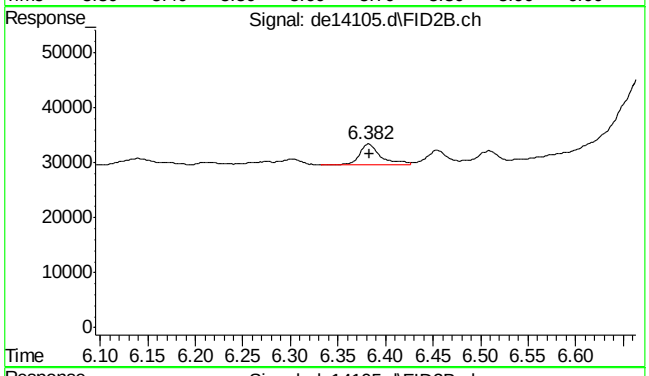
#27 naphthalene #2

R.T.: 5.487 min
Delta R.T.: -0.002 min
Response: 6711
Conc: 0.08 µg/ml



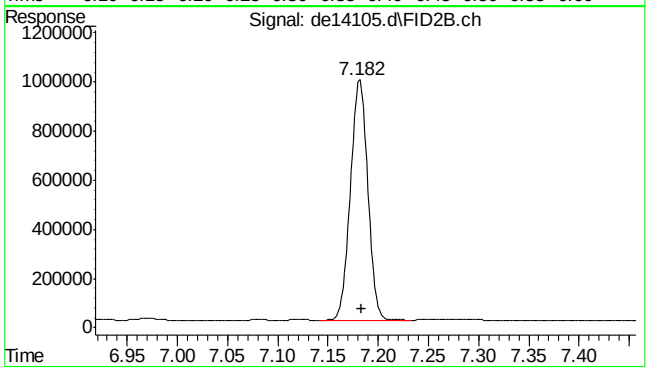
#28 c-12

R.T.: 5.663 min
Delta R.T.: -0.003 min
Response: 1163792
Conc: 15.75 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.382 min
Delta R.T.: -0.002 min
Response: 6422
Conc: 0.08 µg/ml



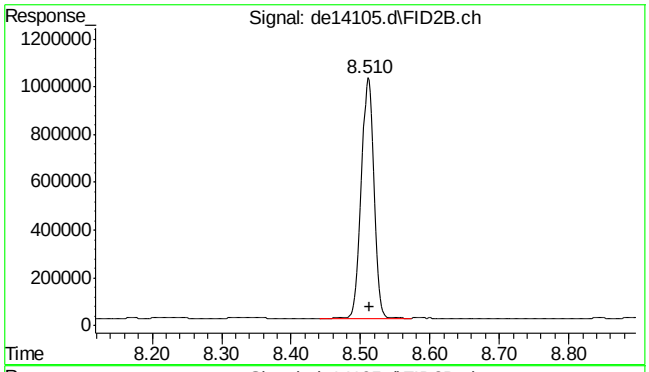
#30 c-14

R.T.: 7.182 min
Delta R.T.: -0.002 min
Response: 1171064
Conc: 15.85 µg/ml

9.3.1

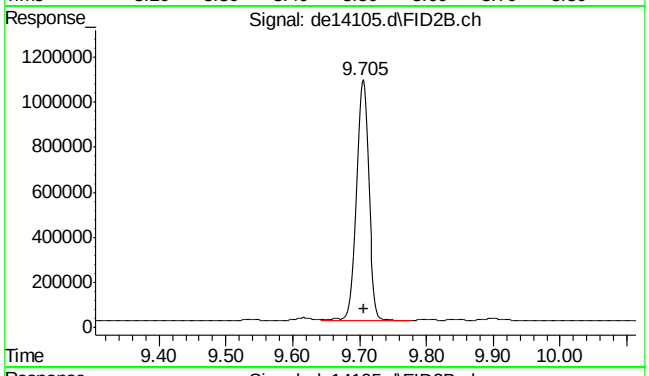
9

SGS ACCUTEST MC45857



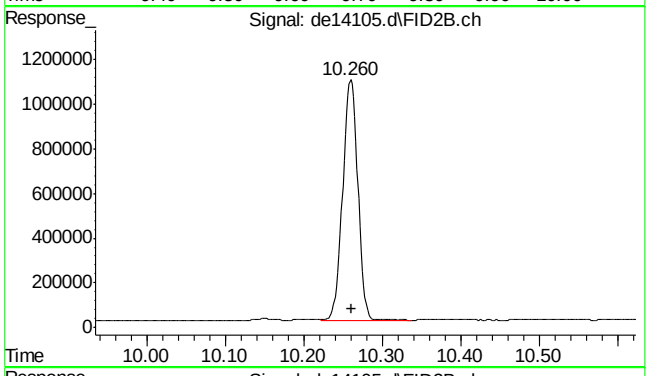
#31 c-16

R.T.: 8.510 min
Delta R.T.: -0.003 min
Response: 1236565
Conc: 16.74 µg/ml



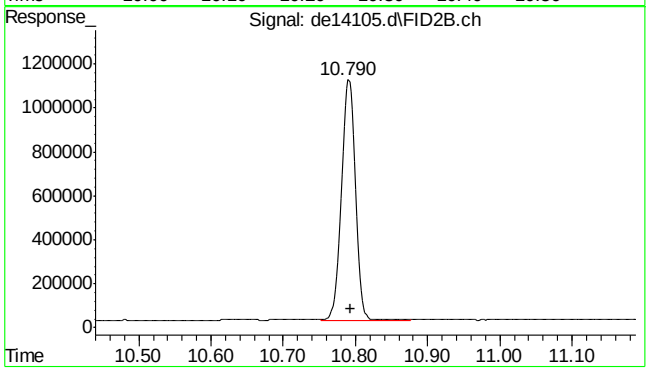
#32 c-18

R.T.: 9.705 min
Delta R.T.: -0.002 min
Response: 1394490
Conc: 18.88 µg/ml



#33 c-19

R.T.: 10.260 min
Delta R.T.: -0.002 min
Response: 1436936
Conc: 21.51 µg/ml



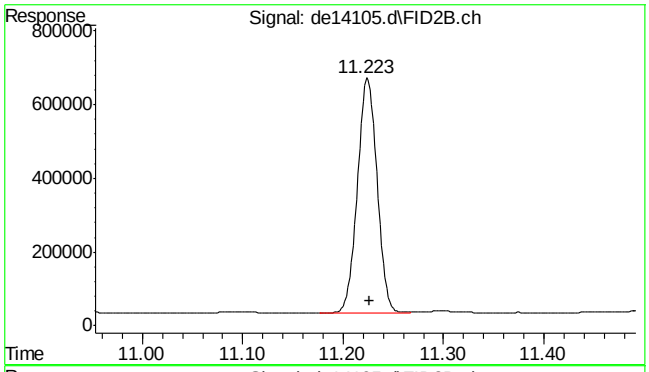
#34 c-20

R.T.: 10.790 min
Delta R.T.: -0.003 min
Response: 1458164
Conc: 21.83 µg/ml

9.3.1

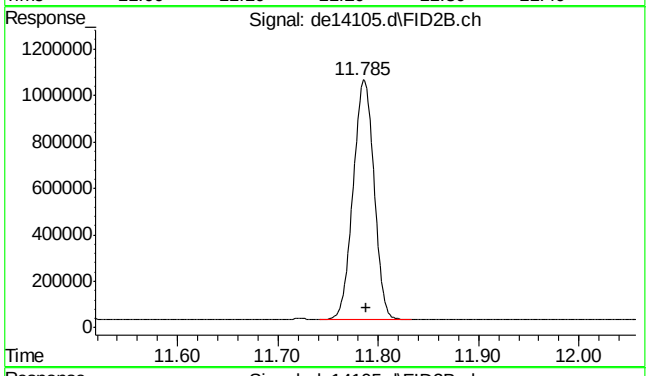
9

SGS ACCUTEST MC45857



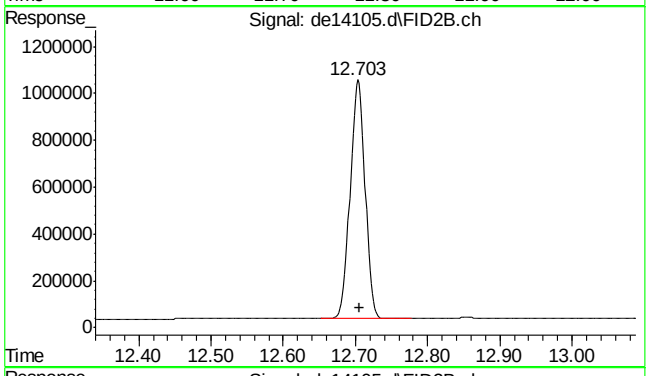
#35 1-chlorooctadecane

R.T.: 11.223 min
Delta R.T.: -0.003 min
Response: 859560
Conc: 15.19 µg/ml



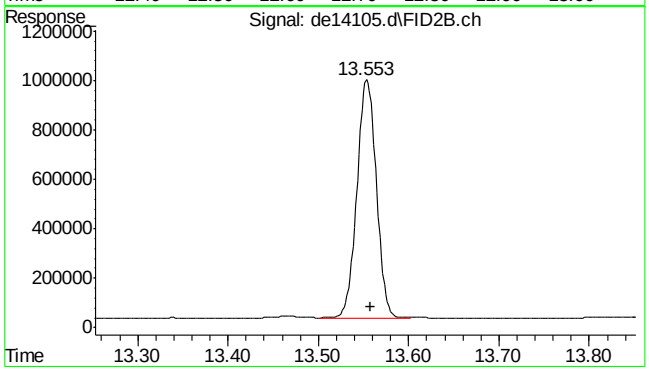
#36 c-22

R.T.: 11.785 min
Delta R.T.: -0.003 min
Response: 1478911
Conc: 22.14 µg/ml



#37 c-24

R.T.: 12.703 min
Delta R.T.: -0.002 min
Response: 1470695
Conc: 22.01 µg/ml



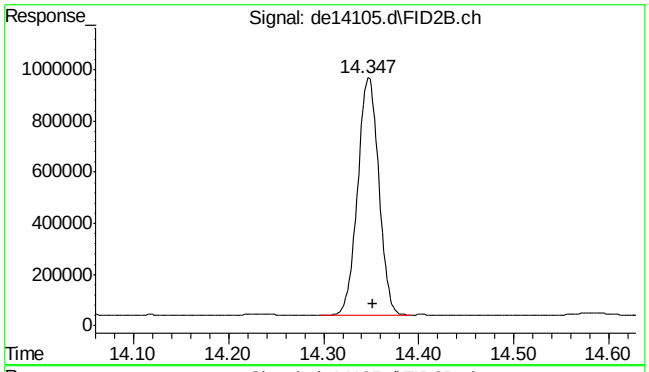
#38 c-26

R.T.: 13.553 min
Delta R.T.: -0.005 min
Response: 1443611
Conc: 21.61 µg/ml

9.3.1

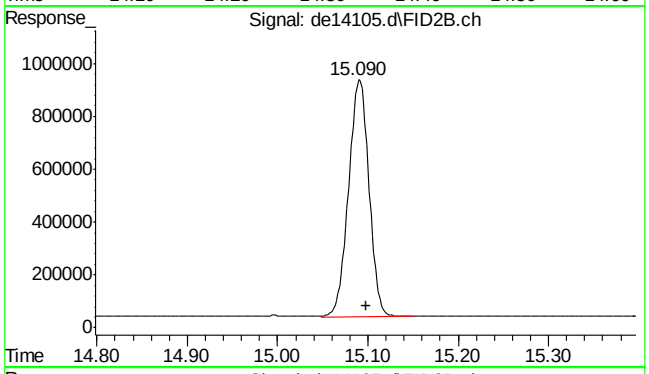
9

SGS ACCUTEST MC45857



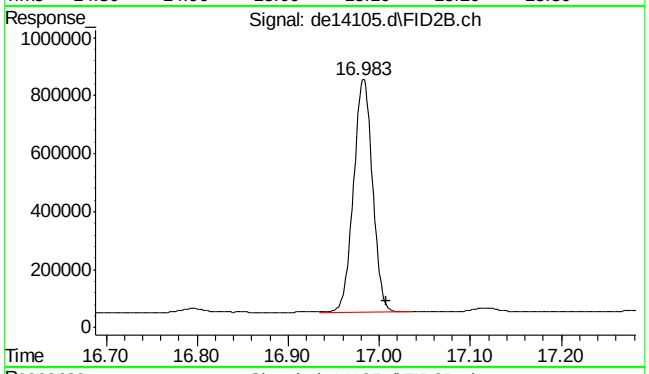
#39 c-28

R.T.: 14.347 min
Delta R.T.: -0.005 min
Response: 1423103
Conc: 21.30 µg/ml



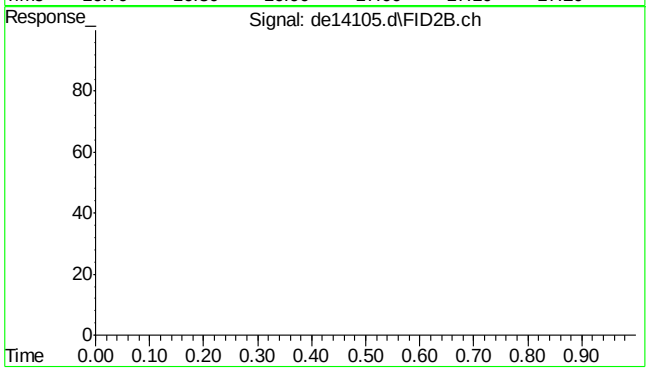
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 1414554
Conc: 21.17 µg/ml



#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 1164289
Conc: 17.43 µg/ml m



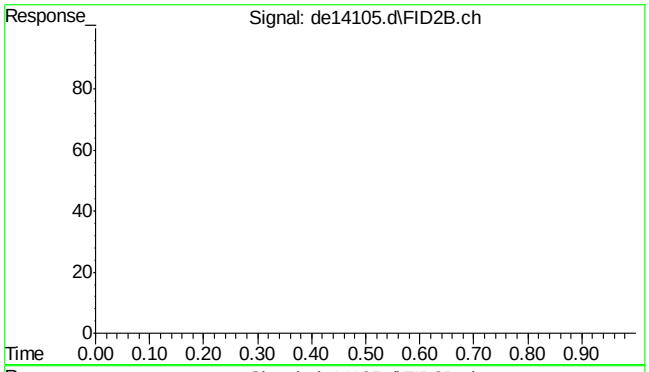
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.3.1

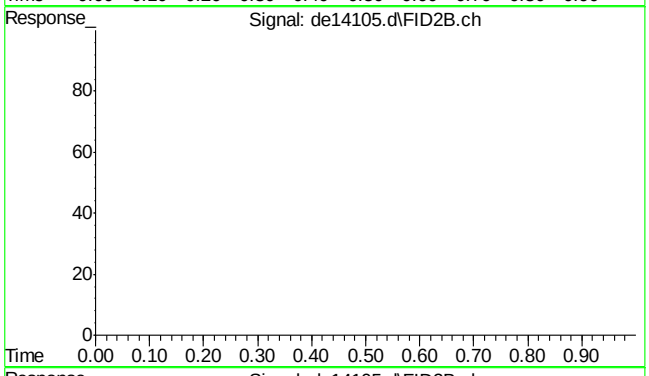
9

SGS ACCUTEST MC45857



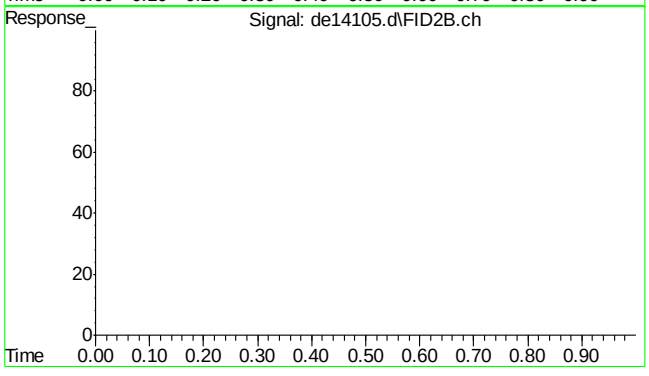
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

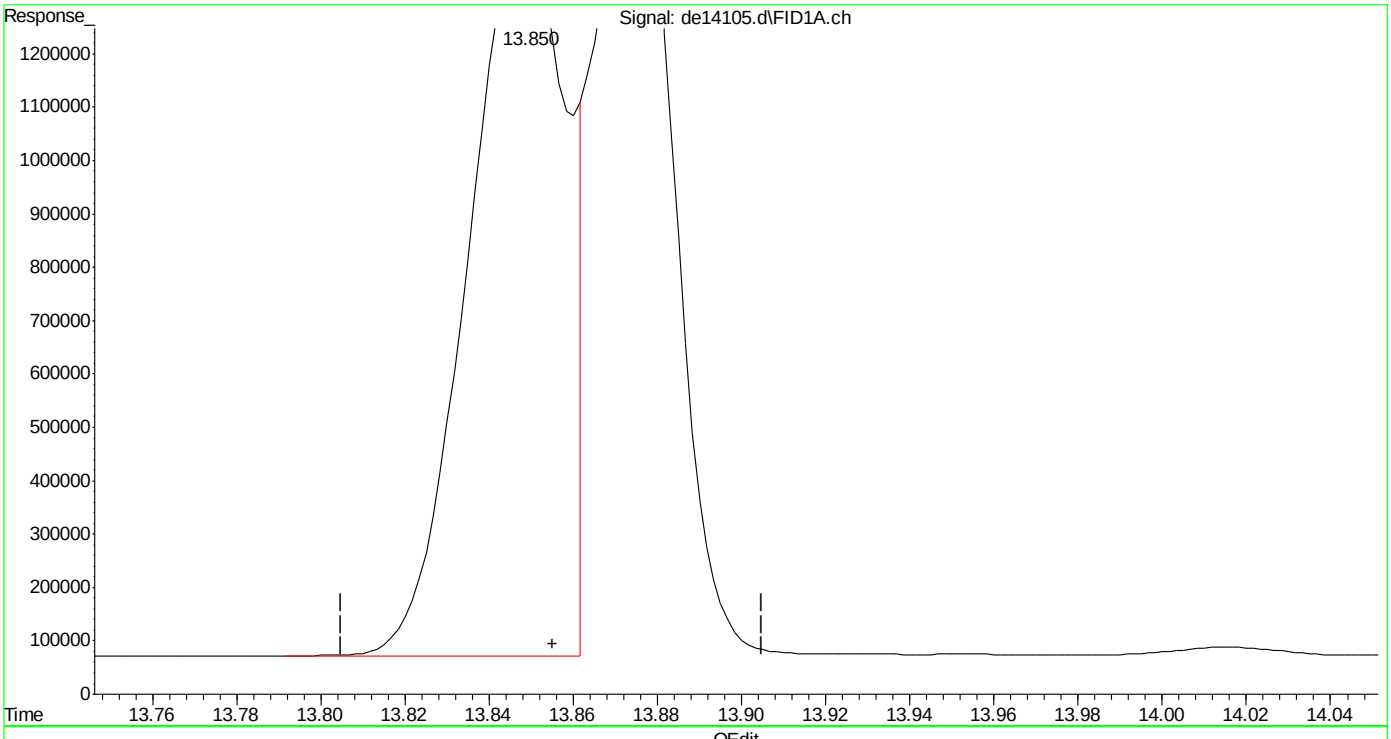
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:38 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
13.850min 22.614 µg/ml
response 2238803

(+) = Expected Retention Time

EPH160518W.M Wed May 18 12:03:32 2016

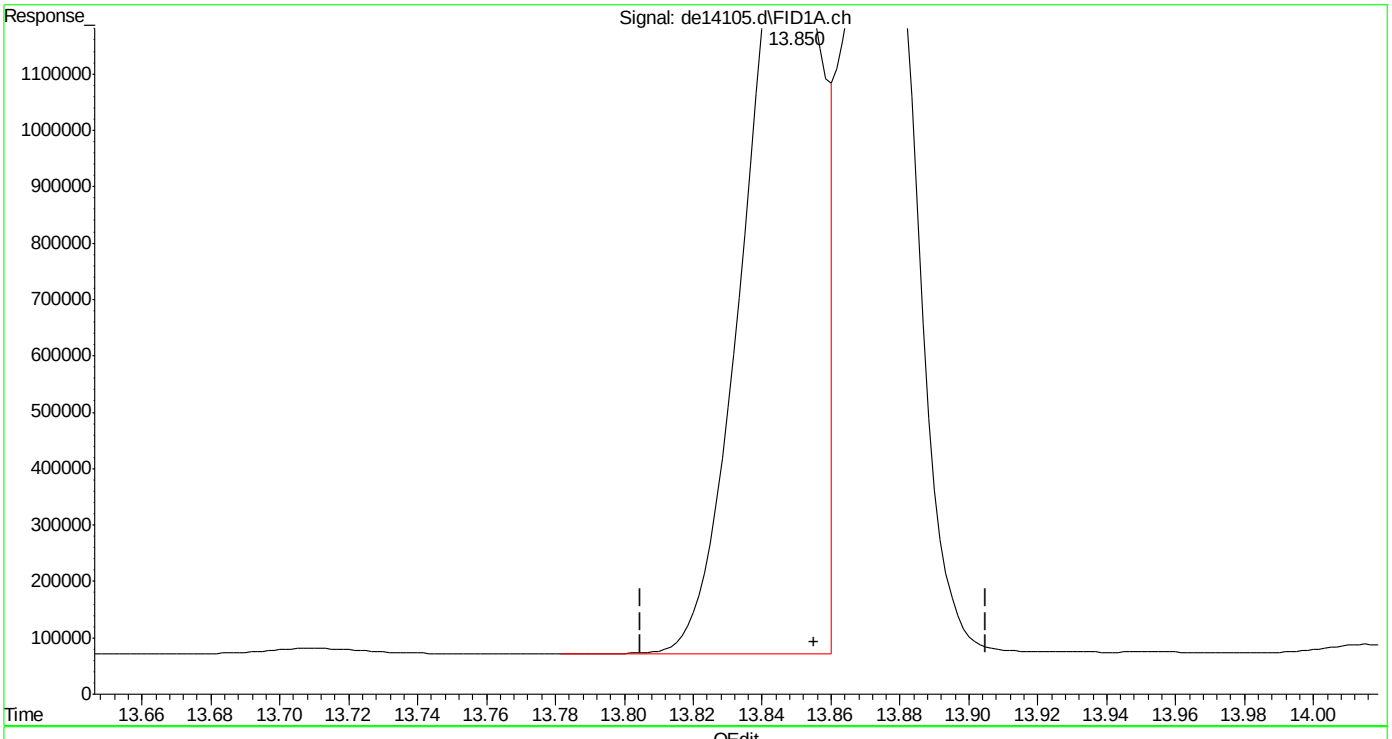
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:38 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
13.850min 21.588 µg/ml m
response 2137253

(+) = Expected Retention Time

EPH160518W.M Wed May 18 12:03:45 2016

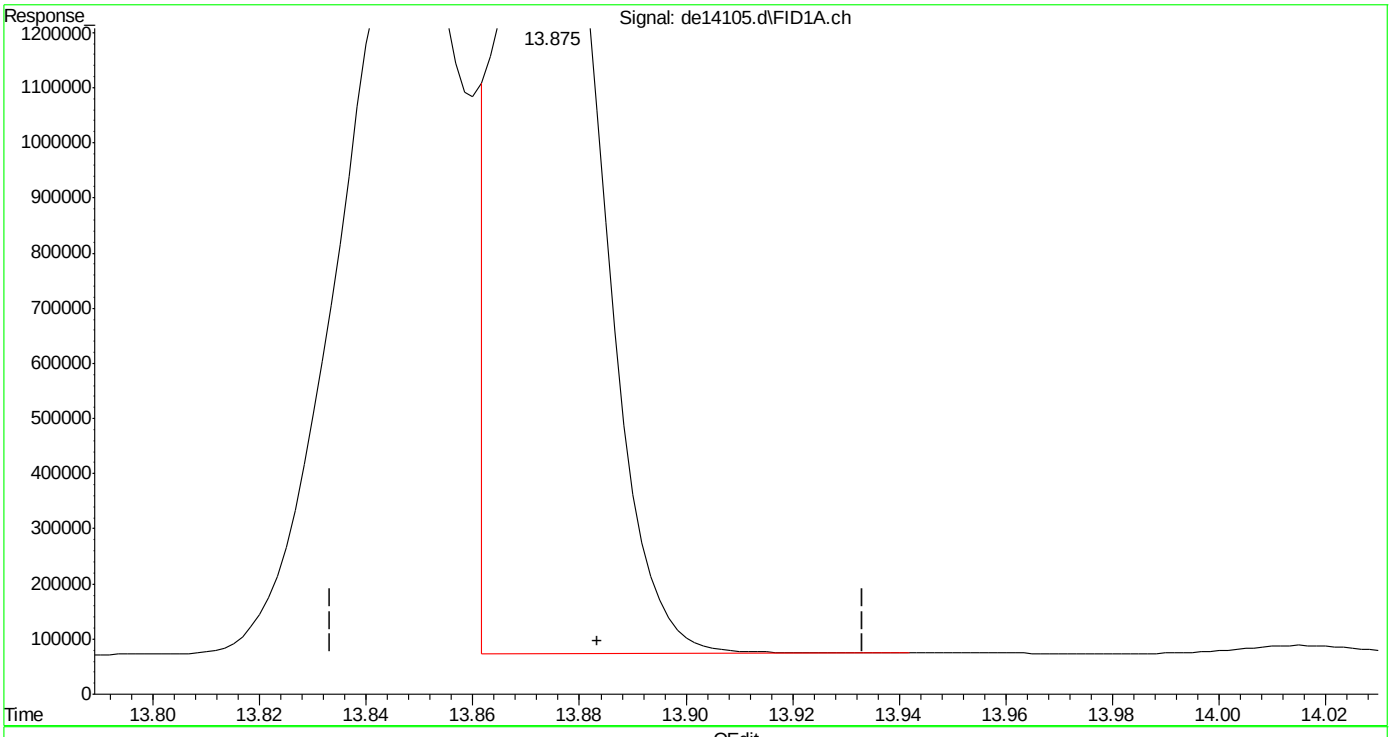
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:38 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
13.875min 21.041 µg/ml
response 1988398

(+) = Expected Retention Time
EPH160518W.M Wed May 18 12:03:49 2016

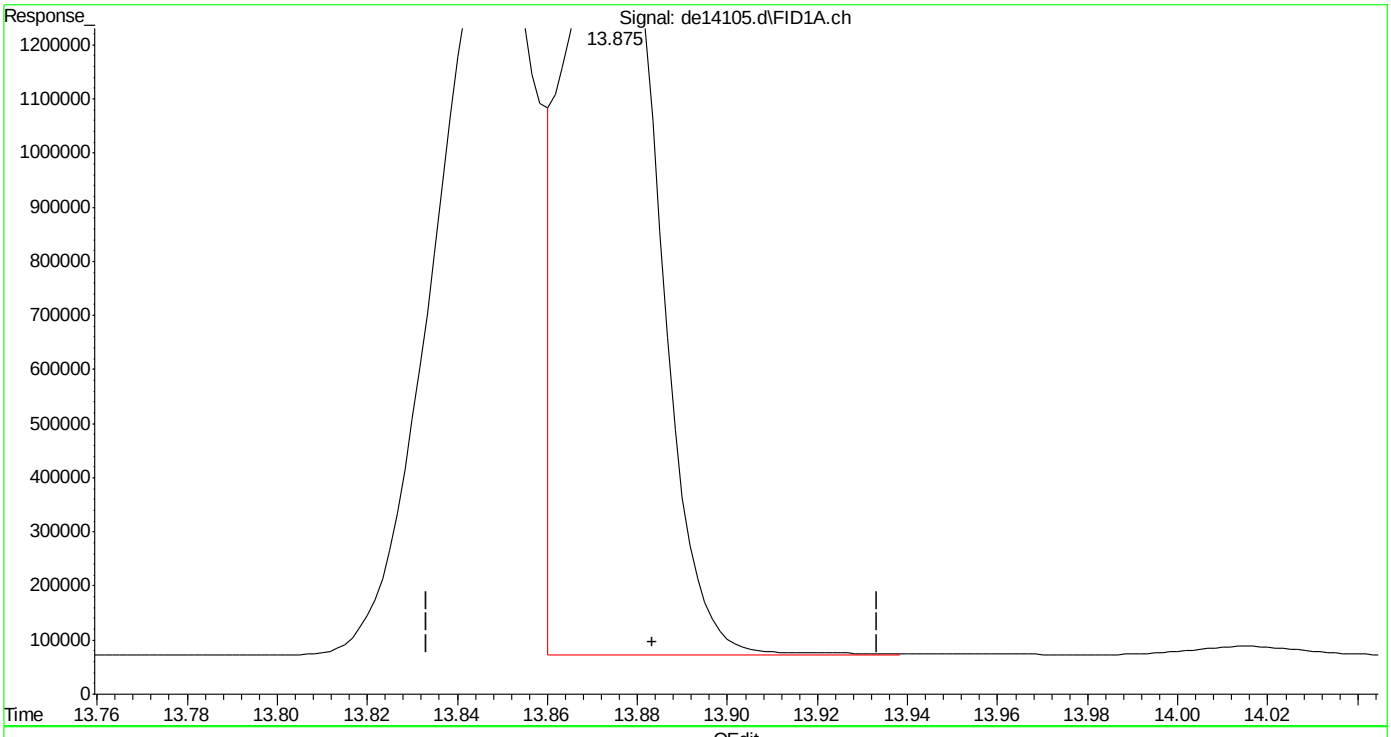
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:38 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
13.875min 22.230 µg/ml m
response 2100769

(+) = Expected Retention Time
EPH160518W.M Wed May 18 12:04:01 2016

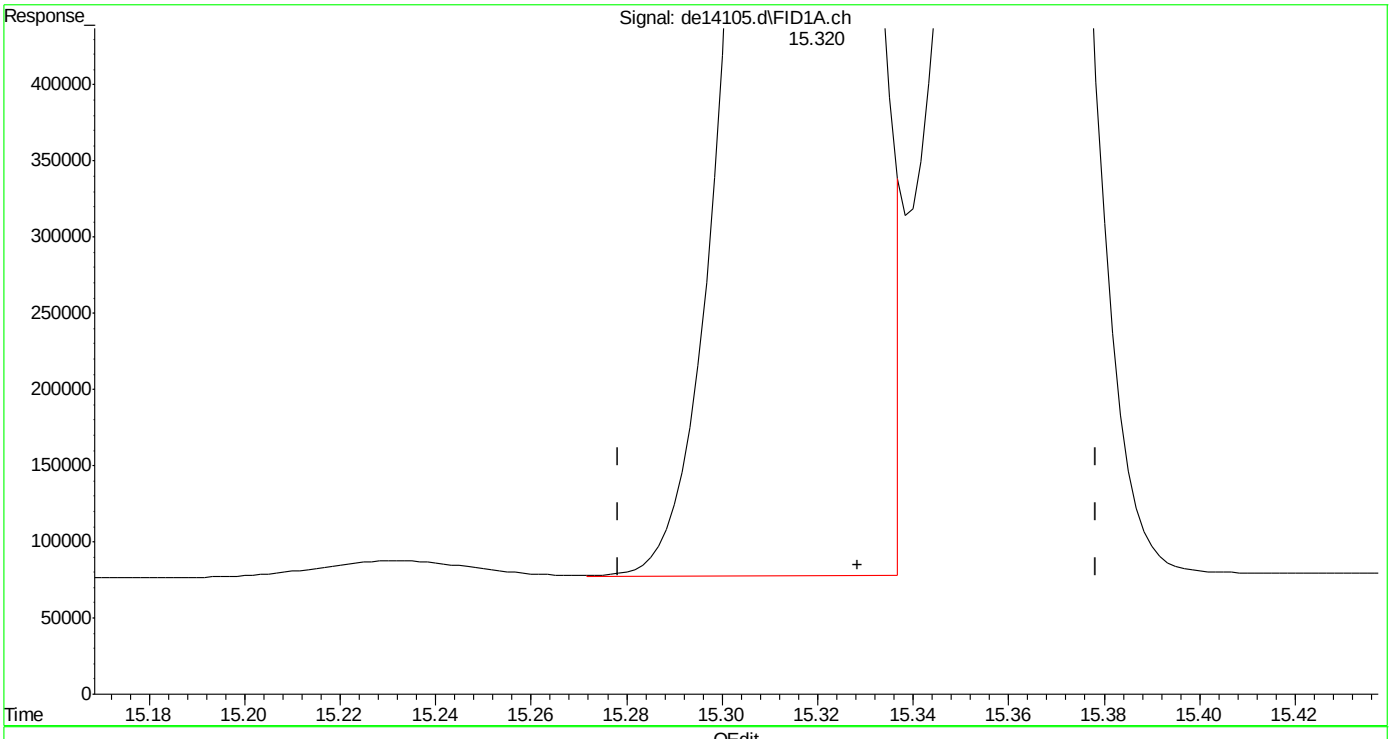
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:38 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.320min 21.443 µg/ml
response 2029725

(+) = Expected Retention Time
EPH160518W.M Wed May 18 12:04:05 2016

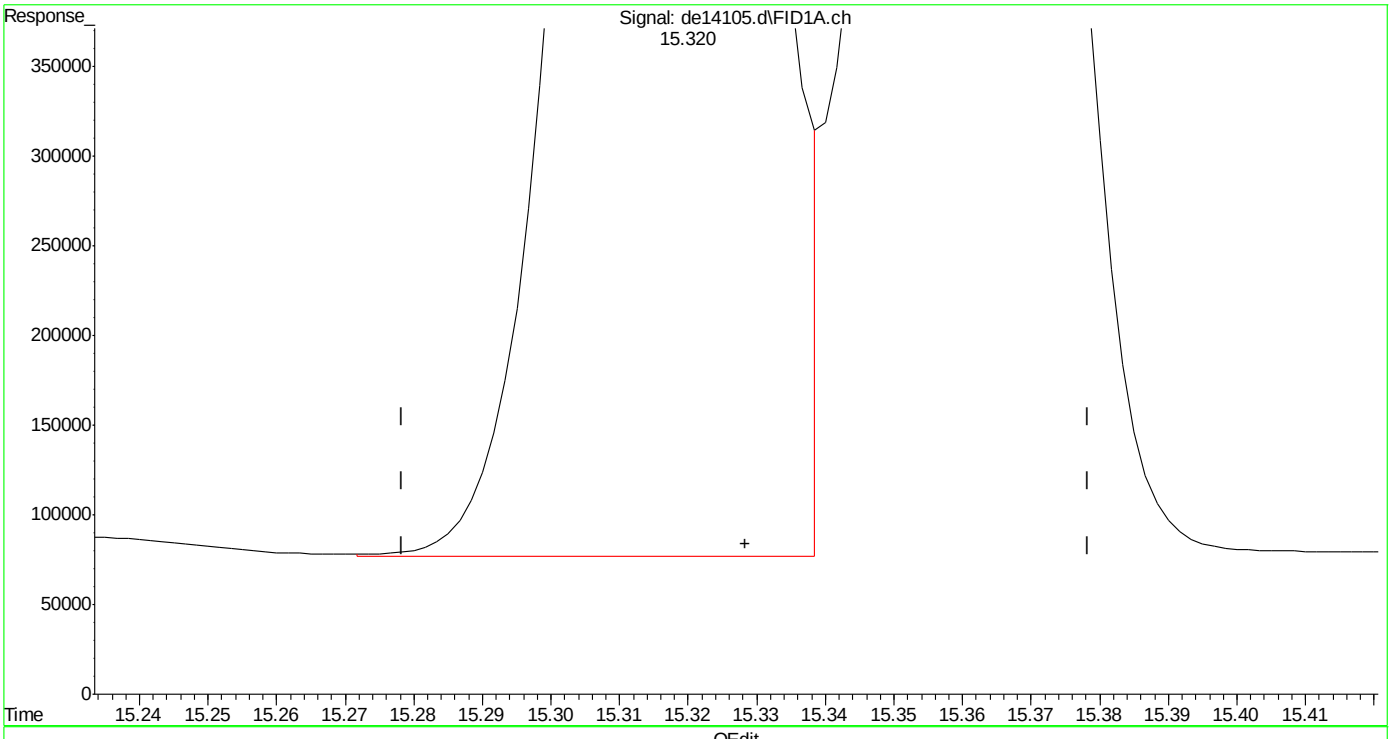
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:38 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.320min 21.725 µg/ml m
response 2056461

(+) = Expected Retention Time
EPH160518W.M Wed May 18 12:04:21 2016

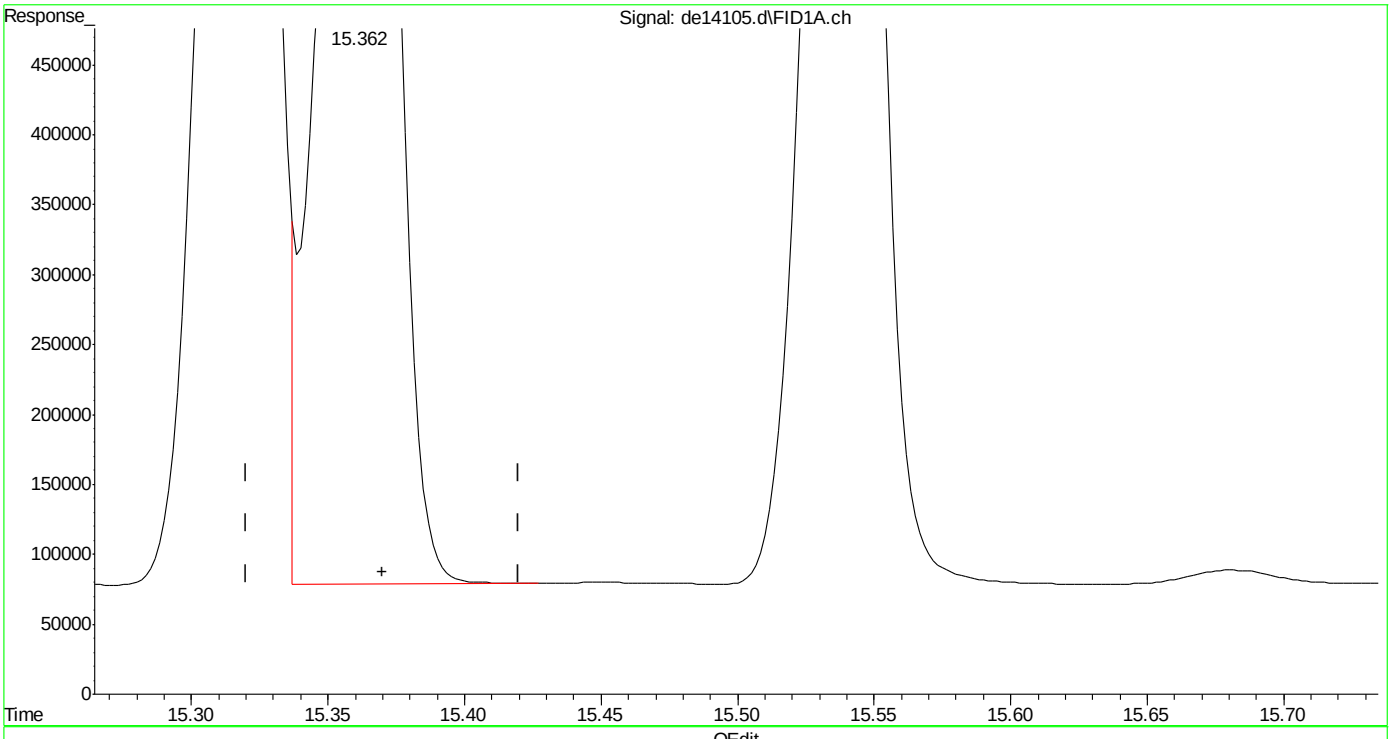
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:38 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.362min 22.557 µg/ml
response 2061696

(+) = Expected Retention Time
EPH160518W.M Wed May 18 12:04:26 2016

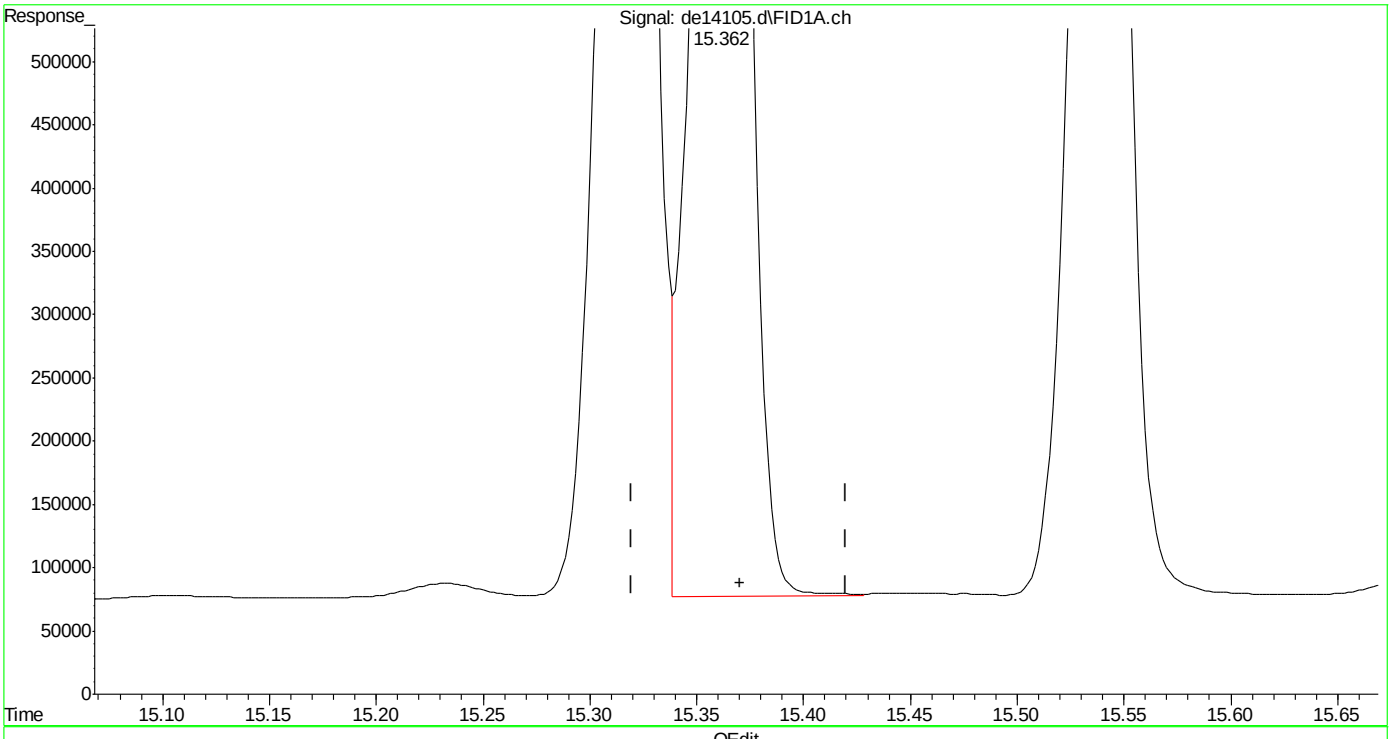
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14105.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:41 am
Operator : thomasa
Sample : op47474-bs
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:38 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.362min 22.367 µg/ml m
response 2044336

(+) = Expected Retention Time
EPH160518W.M Wed May 18 12:04:36 2016

SGS ACCUTEST MC45857

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/18/16 15:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14106.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 10:09 am
Operator : thomasa
Sample : op47474-bsd
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 12:06:25 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.607	1603922	17.390 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	86.95%#
6) s 2-bromonaphthalene	7.333	1023985	16.317 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	81.58%#
11) s o-terphenyl	9.872	1736918	16.958 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	84.79%#
35) s 1-chlorooctadecane	11.225	865822	15.304 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery =	76.52%#
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.203	36503409	371.708 µg/mlm
2) naphthalene	5.157	1395486	13.530 µg/ml
3) 2-methylnaphthalene	6.055	1463537	14.281 µg/ml
5) acenaphthylene	7.165	1518885	15.098 µg/ml
7) acenaphthene	7.407	1775810	17.178 µg/ml
8) fluorene	8.052	1696424	16.702 µg/ml
9) phenanthrene	9.230	1863458	18.312 µg/ml
10) anthracene	9.287	2042131	21.051 µg/ml
12) fluoranthene	10.732	2161043	21.623 µg/ml
13) pyrene	10.990	2199312	21.676 µg/ml
14) benzo(a)anthracene	12.552	2194554	22.700 µg/mlm
15) chrysene	12.600	2237328	22.984 µg/mlm
16) benzo(B)fluoranthene	13.848	2268283	22.911 µg/ml
17) benzo(k)fluoranthene	13.875	2146318	22.712 µg/ml
18) benzo(a)pyrene	14.182	2160985	23.378 µg/ml
19) indeno(1,2,3-cd)pyrene	15.322	2178470	23.014 µg/ml
20) dibenzo(ah)anthracene	15.365	2117883	23.172 µg/ml
21) benzo(ghi)perylene	15.542	2171788	23.575 µg/ml
25) h c-9	2.648	738792	10.001 µg/mlm
26) h c-10	3.815	880743	11.923 µg/ml
27) naphthalene #2	5.488	5183	0.065 µg/ml
28) c-12	5.665	1001546	13.558 µg/ml
29) 2-methylnaphthalene #2	6.382	5454	0.068 µg/ml
30) c-14	7.182	1050838	14.225 µg/ml
31) c-16	8.510	1151921	15.593 µg/ml
32) c-18	9.703	1345940	18.220 µg/ml
33) c-19	10.260	1414529	21.174 µg/ml
34) c-20	10.790	1451183	21.722 µg/ml
36) c-22	11.787	1484904	22.227 µg/ml
37) c-24	12.703	1479178	22.141 µg/ml

SGS ACCUTEST MC45857

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14106.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 10:09 am
Operator : thomasa
Sample : op47474-bsd
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 12:06:25 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc	Units
38)		c-26	13.553	1451173	21.722	µg/ml
39)		c-28	14.347	1434633	21.474	µg/ml
40)	h	c-30	15.098	1424695	21.326	µg/ml
41)	h	c-36	17.008	1200516	17.970	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.3.2

9

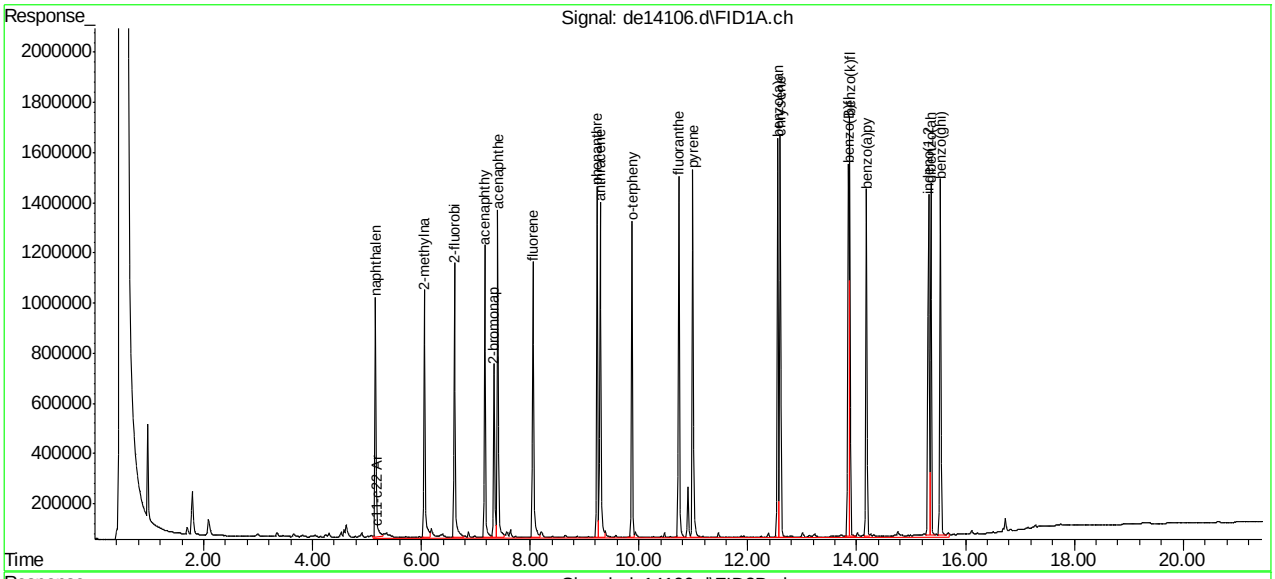
SGS ACCUTEST MC45857

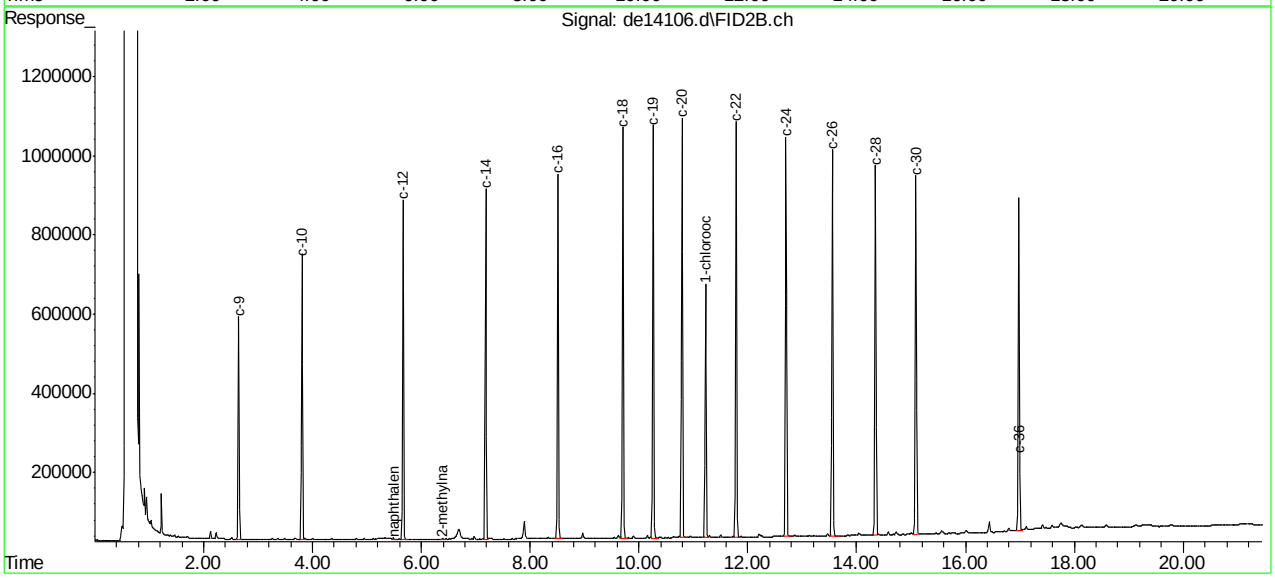
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14106.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 10:09 am
Operator : thomasa
Sample : op47474-bsd
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

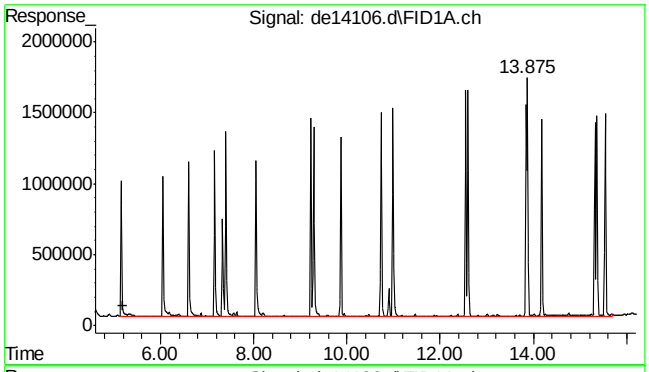
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 12:06:25 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



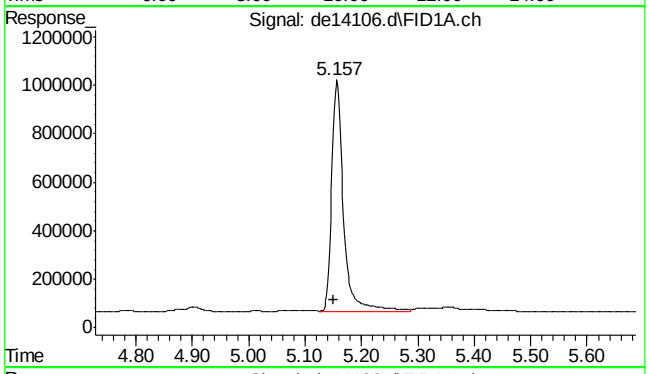


EPH160518W.M Wed May 18 14:53:01 2016 Page: 3



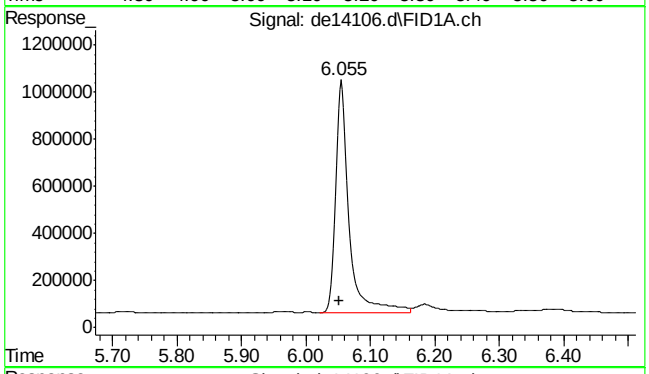
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.203 min
Delta R.T.: 0.000 min
Response: 36503409
Conc: 371.71 µg/ml m



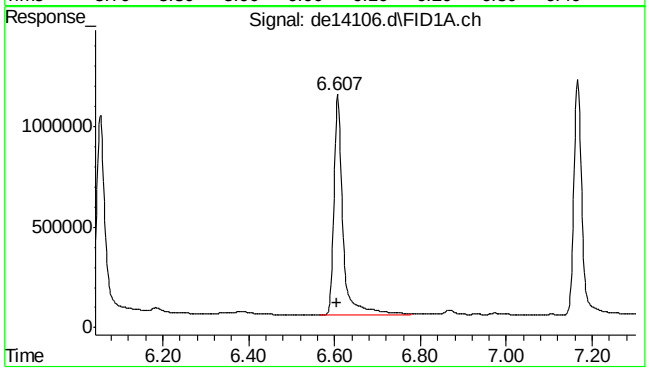
#2 naphthalene

R.T.: 5.157 min
Delta R.T.: 0.005 min
Response: 1395486
Conc: 13.53 µg/ml



#3 2-methylnaphthalene

R.T.: 6.055 min
Delta R.T.: 0.003 min
Response: 1463537
Conc: 14.28 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.607 min
Delta R.T.: 0.002 min
Response: 1603922
Conc: 17.39 µg/ml

9.3.2

9

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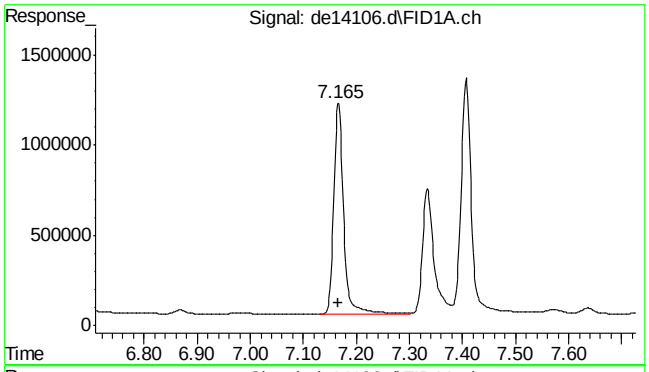
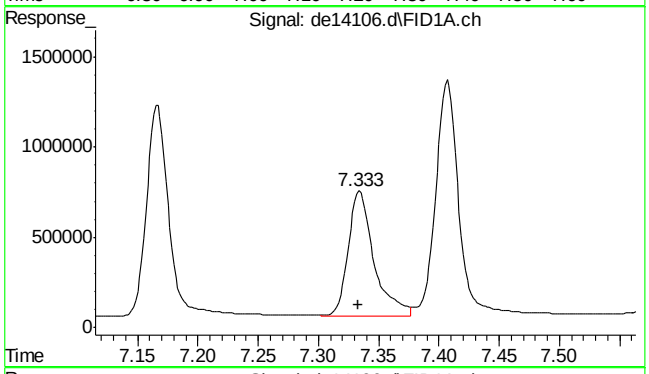


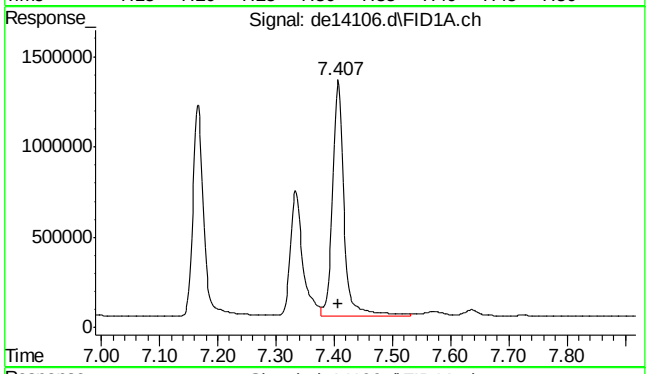
#5 acenaphthylene

R.T.: 7.165 min
Delta R.T.: -0.002 min
Response: 1518885
Conc: 15.10 µg/ml



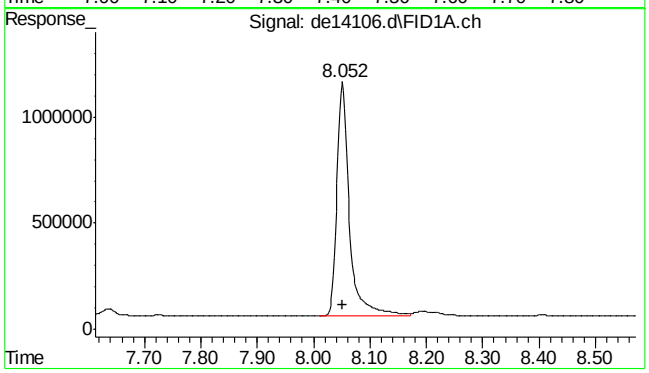
#6 2-bromonaphthalene

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 1023985
Conc: 16.32 µg/ml



#7 acenaphthene

R.T.: 7.407 min
Delta R.T.: 0.000 min
Response: 1775810
Conc: 17.18 µg/ml



#8 fluorene

R.T.: 8.052 min
Delta R.T.: 0.000 min
Response: 1696424
Conc: 16.70 µg/ml

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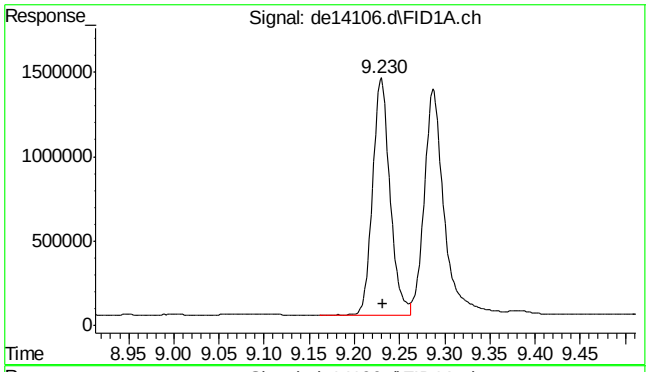
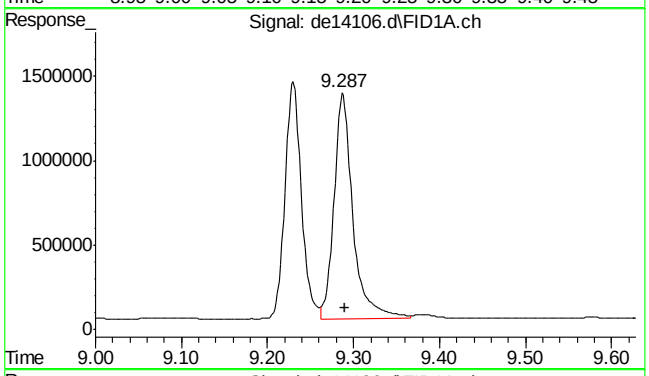


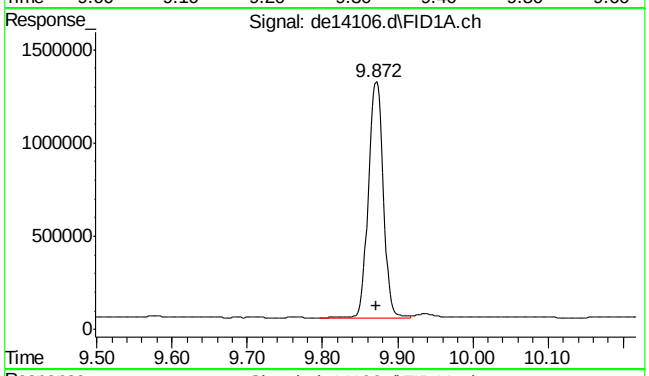
#9 phenanthrene

R.T.: 9.230 min
Delta R.T.: -0.002 min
Response: 1863458
Conc: 18.31 µg/ml



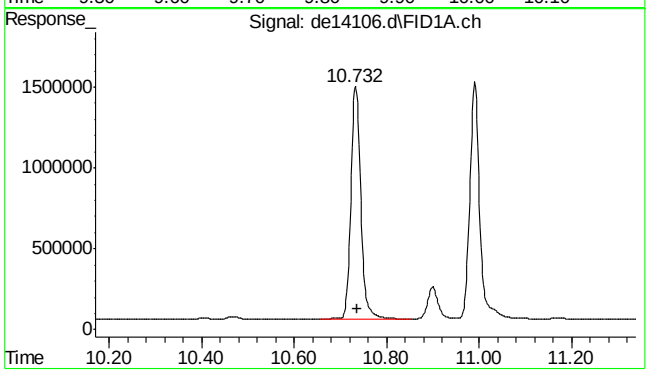
#10 anthracene

R.T.: 9.287 min
Delta R.T.: -0.003 min
Response: 2042131
Conc: 21.05 µg/ml



#11 o-terphenyl

R.T.: 9.872 min
Delta R.T.: 0.000 min
Response: 1736918
Conc: 16.96 µg/ml



#12 fluoranthene

R.T.: 10.732 min
Delta R.T.: -0.003 min
Response: 2161043
Conc: 21.62 µg/ml

9.3.2

9

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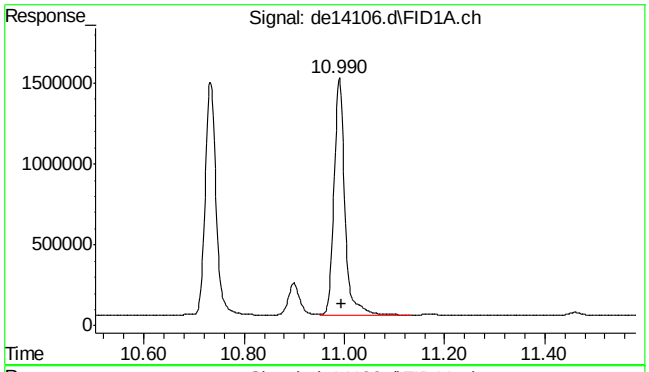
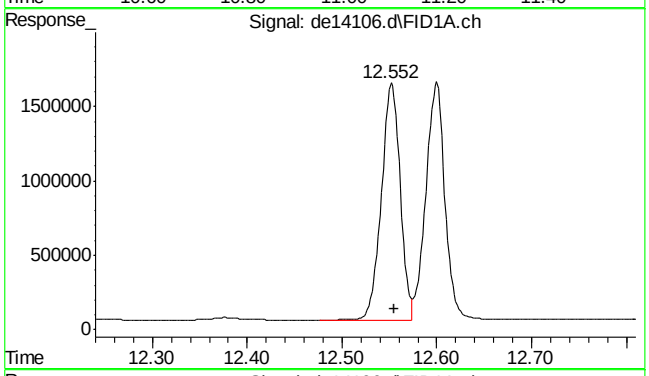


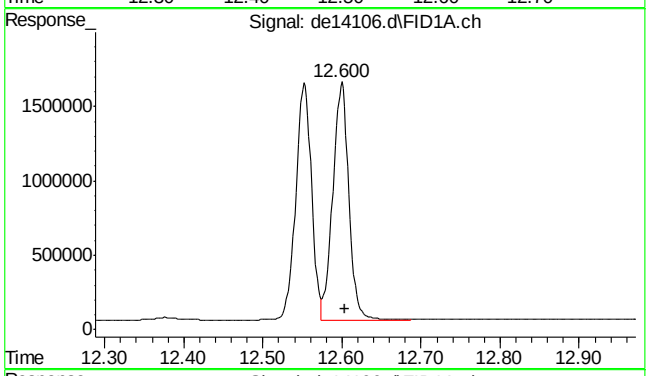
#13 pyrene

R.T.: 10.990 min
Delta R.T.: -0.003 min
Response: 2199312
Conc: 21.68 µg/ml



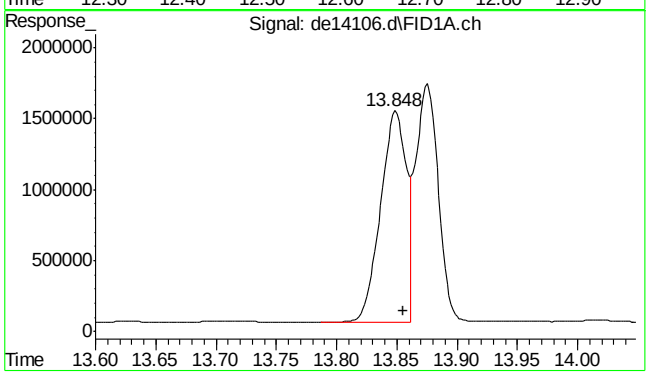
#14 benzo(a)anthracene

R.T.: 12.552 min
Delta R.T.: -0.003 min
Response: 2194554
Conc: 22.70 µg/ml m



#15 chrysene

R.T.: 12.600 min
Delta R.T.: -0.003 min
Response: 2237328
Conc: 22.98 µg/ml m



#16 benzo(B)fluoranthene

R.T.: 13.848 min
Delta R.T.: -0.007 min
Response: 2268283
Conc: 22.91 µg/ml

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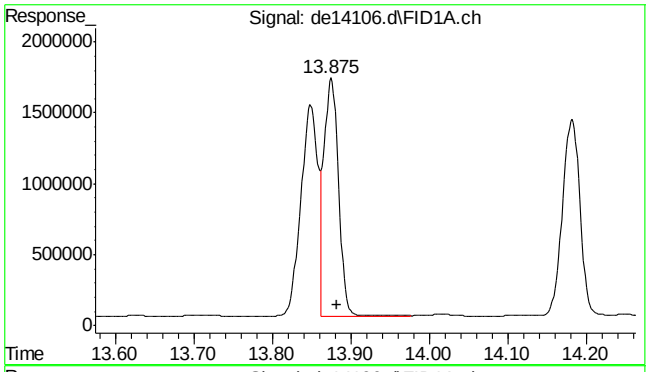
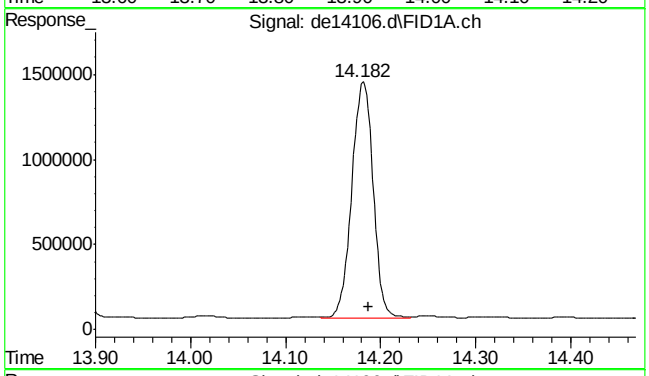


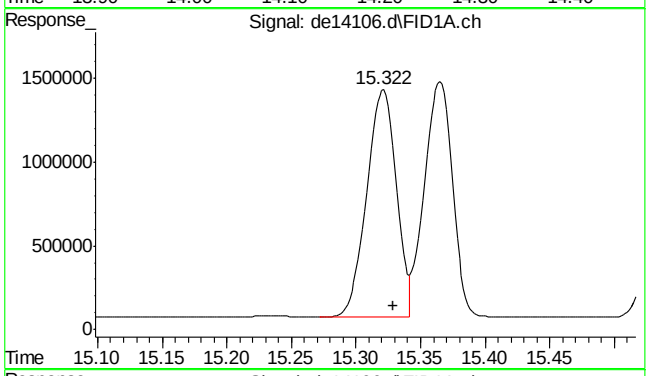
#17 benzo(k)fluoranthene

R.T.: 13.875 min
Delta R.T.: -0.008 min
Response: 2146318
Conc: 22.71 µg/ml



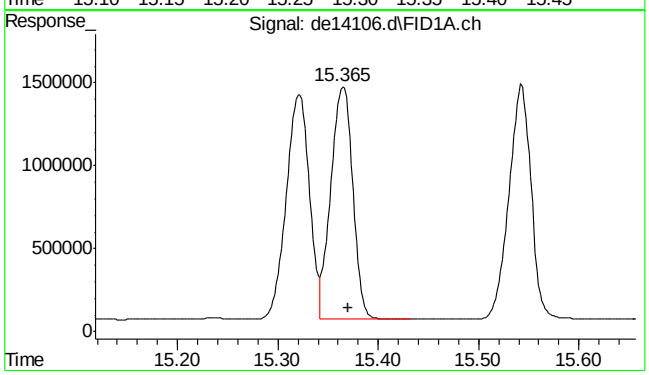
#18 benzo(a)pyrene

R.T.: 14.182 min
Delta R.T.: -0.005 min
Response: 2160985
Conc: 23.38 µg/ml



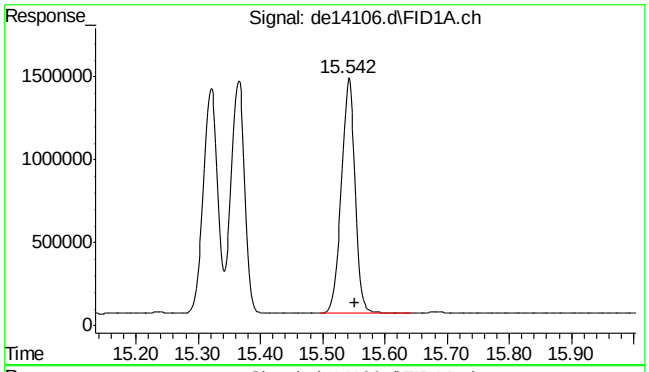
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.322 min
Delta R.T.: -0.007 min
Response: 2178470
Conc: 23.01 µg/ml



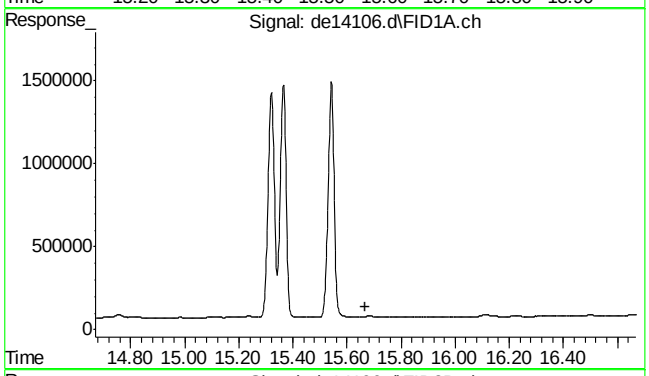
#20 dibenzo(ah)anthracene

R.T.: 15.365 min
Delta R.T.: -0.005 min
Response: 2117883
Conc: 23.17 µg/ml



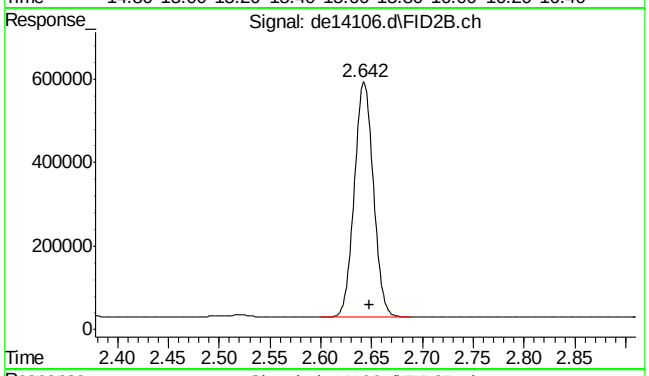
#21 benzo(ghi)perylene

R.T.: 15.542 min
Delta R.T.: -0.010 min
Response: 2171788
Conc: 23.57 µg/ml



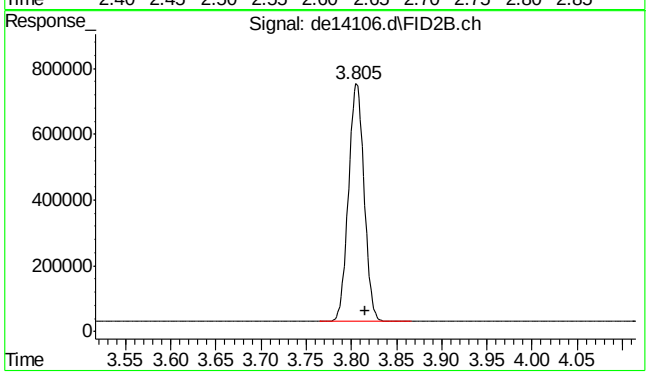
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



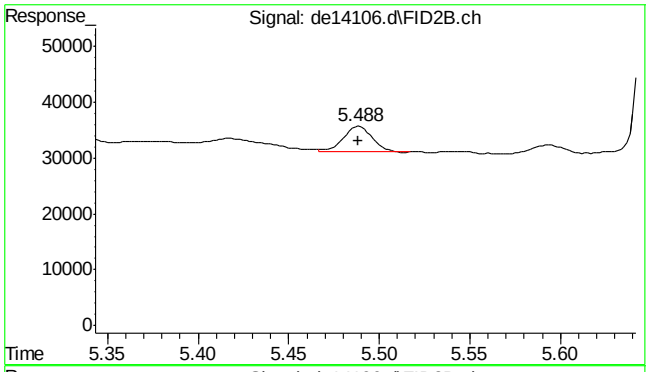
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 738792
Conc: 10.00 µg/ml m



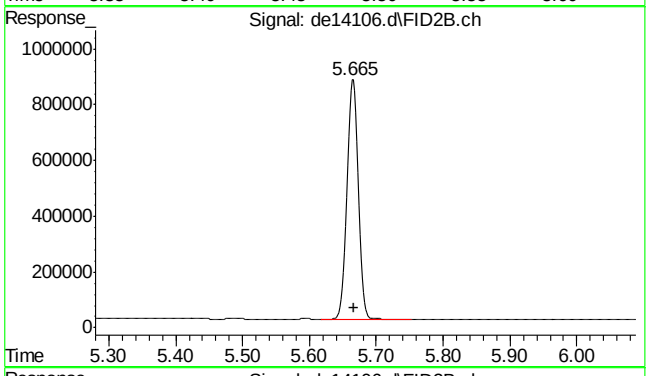
#26 c-10

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 880743
Conc: 11.92 µg/ml



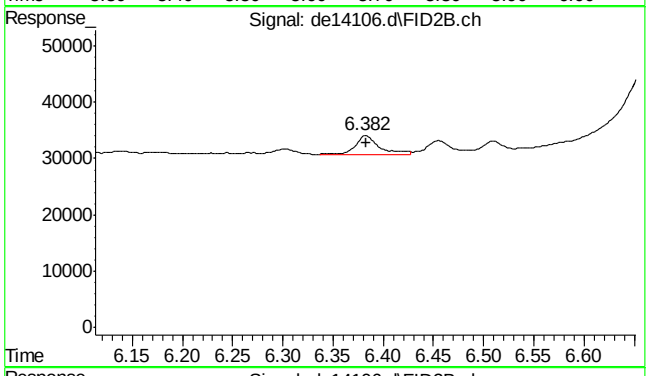
#27 naphthalene #2

R.T.: 5.488 min
Delta R.T.: 0.000 min
Response: 5183
Conc: 0.06 µg/ml



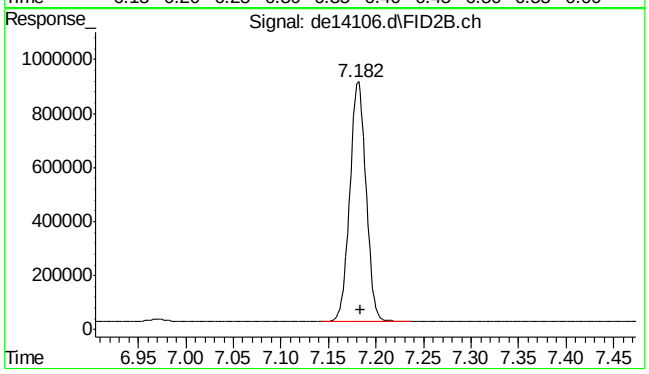
#28 c-12

R.T.: 5.665 min
Delta R.T.: -0.002 min
Response: 1001546
Conc: 13.56 µg/ml



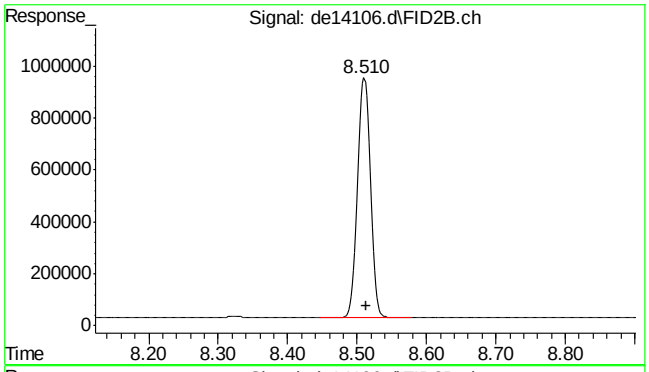
#29 2-methylnaphthalene #2

R.T.: 6.382 min
Delta R.T.: -0.002 min
Response: 5454
Conc: 0.07 µg/ml



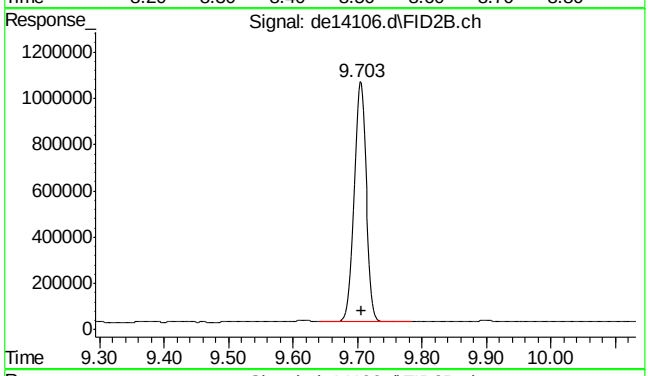
#30 c-14

R.T.: 7.182 min
Delta R.T.: -0.002 min
Response: 1050838
Conc: 14.23 µg/ml



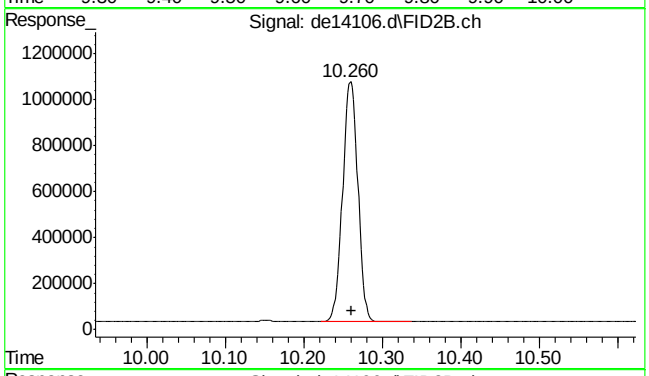
#31 c-16

R.T.: 8.510 min
Delta R.T.: -0.003 min
Response: 1151921
Conc: 15.59 µg/ml



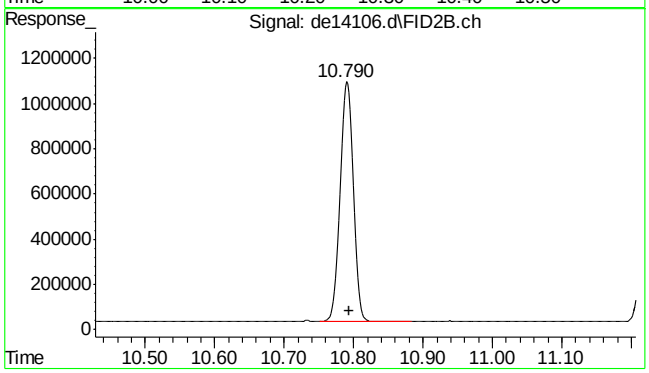
#32 c-18

R.T.: 9.703 min
Delta R.T.: -0.003 min
Response: 1345940
Conc: 18.22 µg/ml



#33 c-19

R.T.: 10.260 min
Delta R.T.: -0.002 min
Response: 1414529
Conc: 21.17 µg/ml



#34 c-20

R.T.: 10.790 min
Delta R.T.: -0.003 min
Response: 1451183
Conc: 21.72 µg/ml

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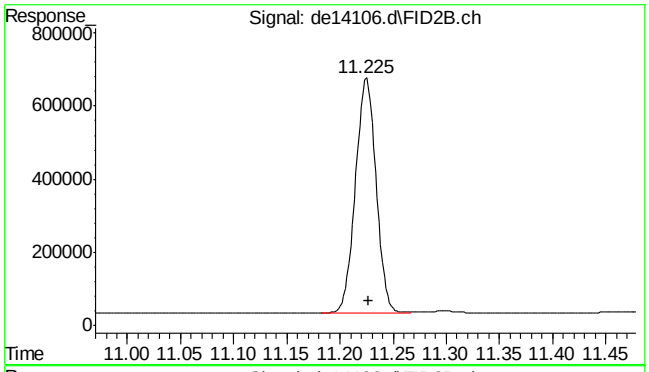
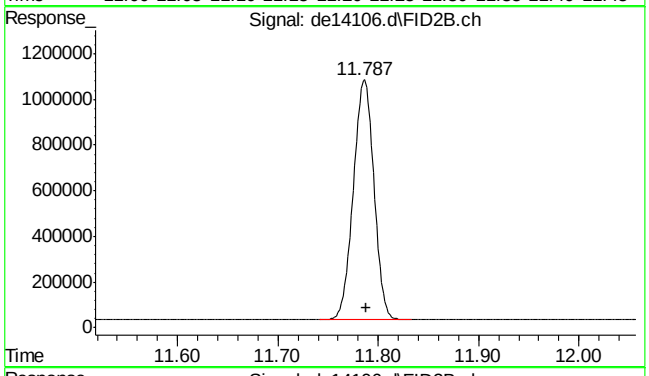


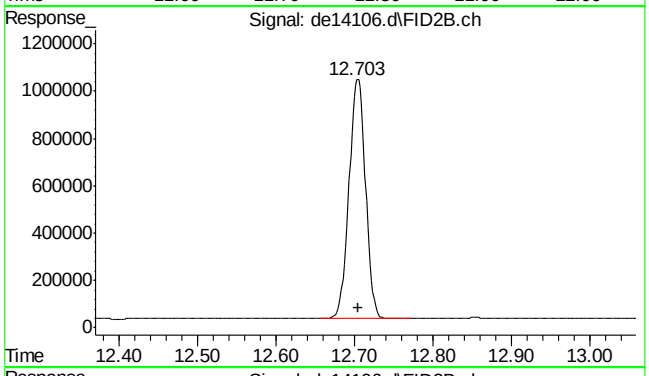
#35 1-chlorooctadecane

R.T.: 11.225 min
Delta R.T.: -0.002 min
Response: 865822
Conc: 15.30 µg/ml



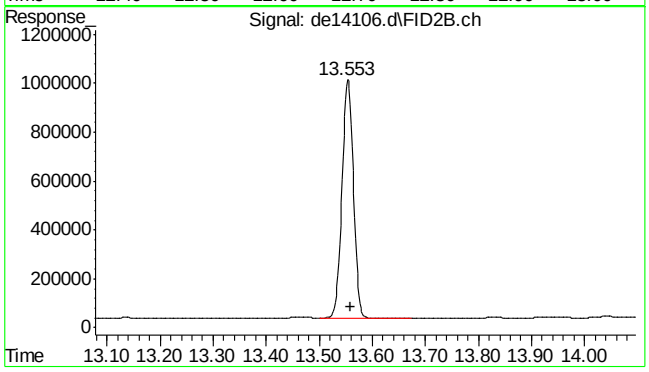
#36 c-22

R.T.: 11.787 min
Delta R.T.: -0.002 min
Response: 1484904
Conc: 22.23 µg/ml



#37 c-24

R.T.: 12.703 min
Delta R.T.: -0.002 min
Response: 1479178
Conc: 22.14 µg/ml



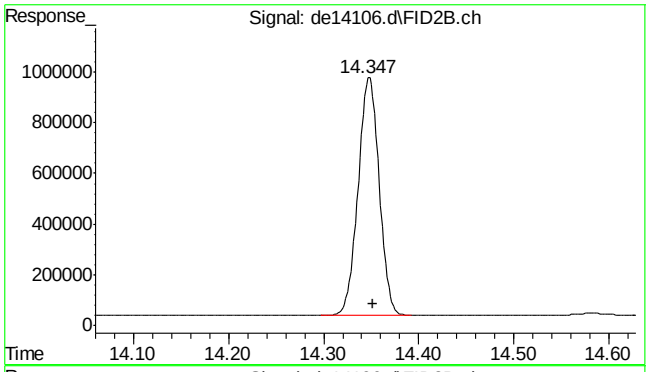
#38 c-26

R.T.: 13.553 min
Delta R.T.: -0.005 min
Response: 1451173
Conc: 21.72 µg/ml

9.3.2

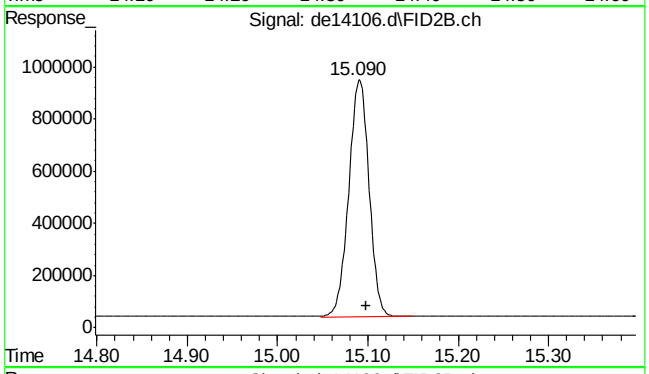
9

SGS ACCUTEST MC45857



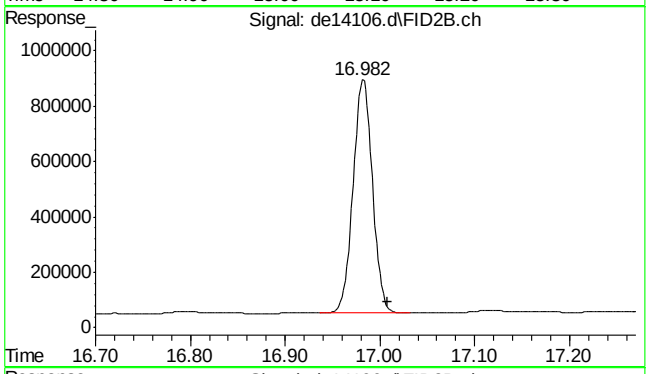
#39 c-28

R.T.: 14.347 min
Delta R.T.: -0.005 min
Response: 1434633
Conc: 21.47 µg/ml



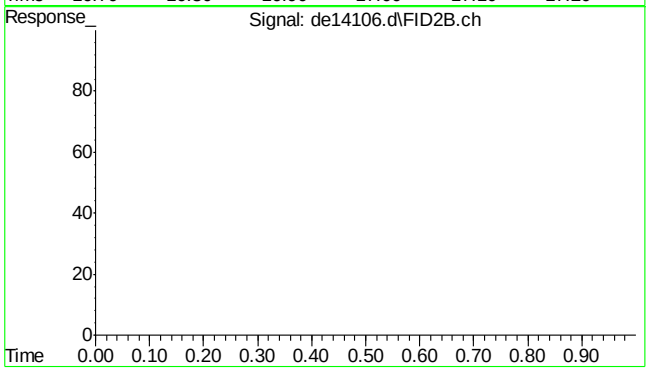
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 1424695
Conc: 21.33 µg/ml



#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 1200516
Conc: 17.97 µg/ml m



#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.3.2

9

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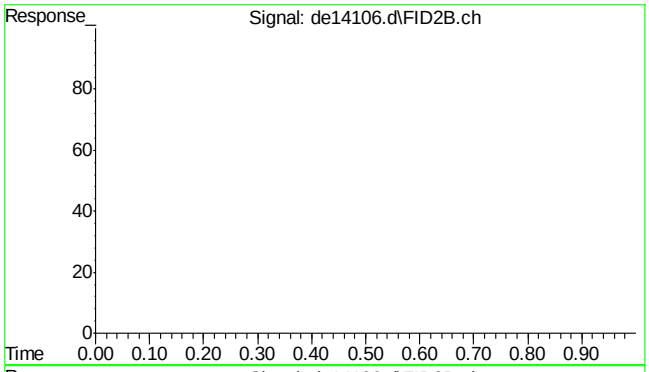
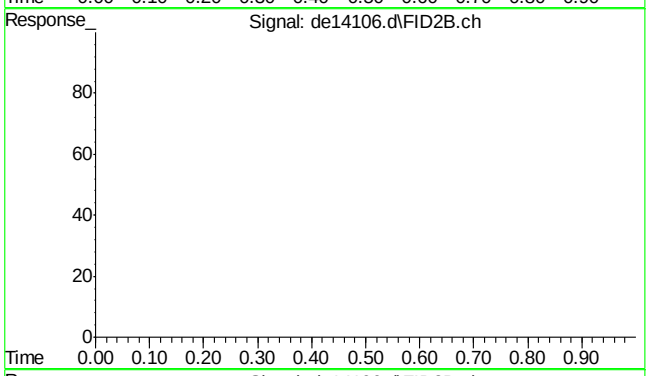


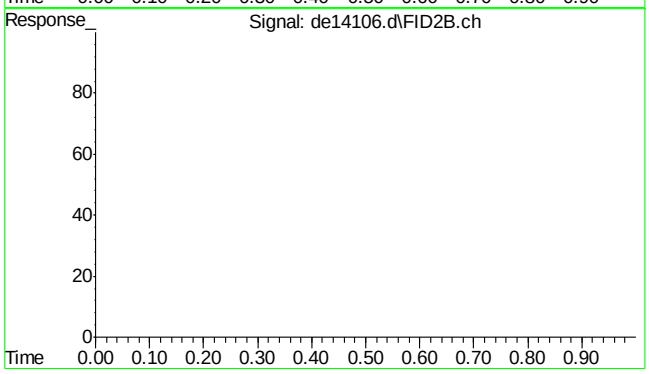
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

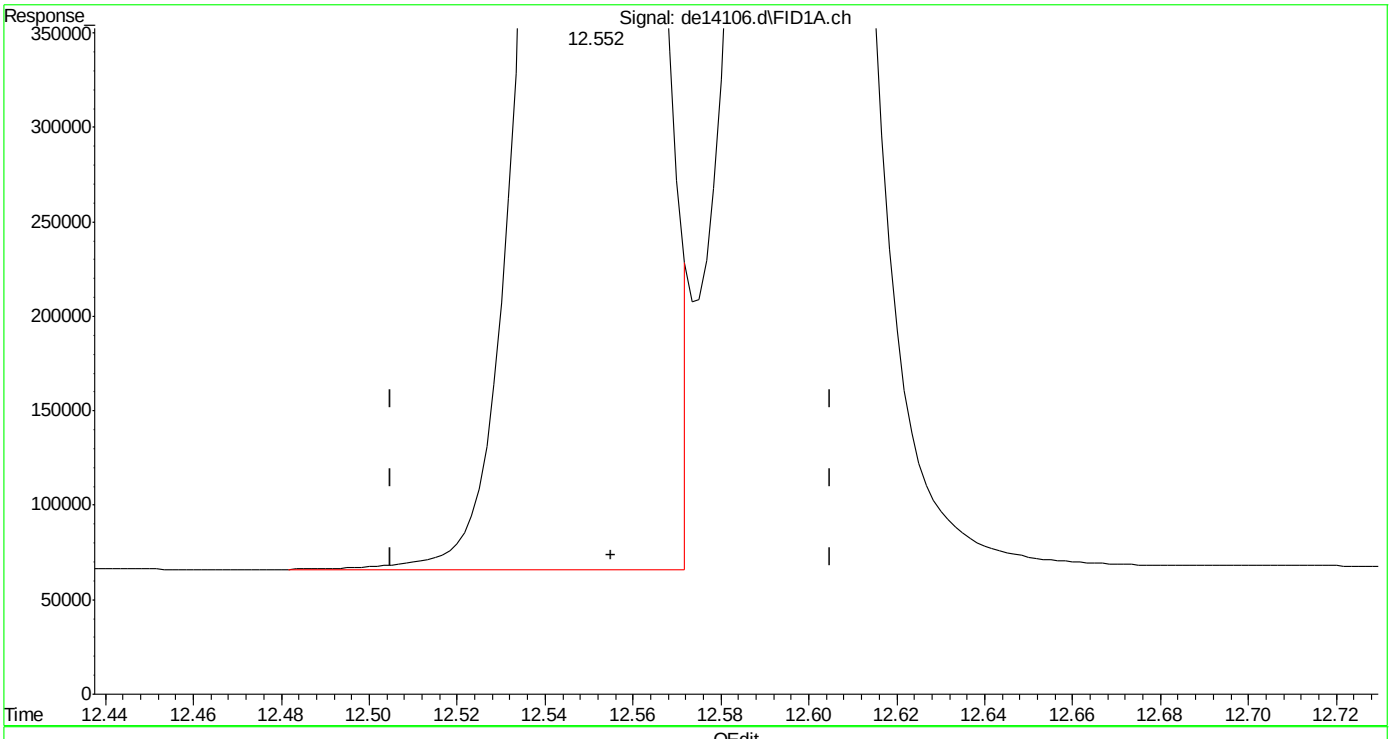
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14106.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 10:09 am
Operator : thomasa
Sample : op47474-bsd
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:42:29 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.552min 22.551 µg/ml
response 2180139

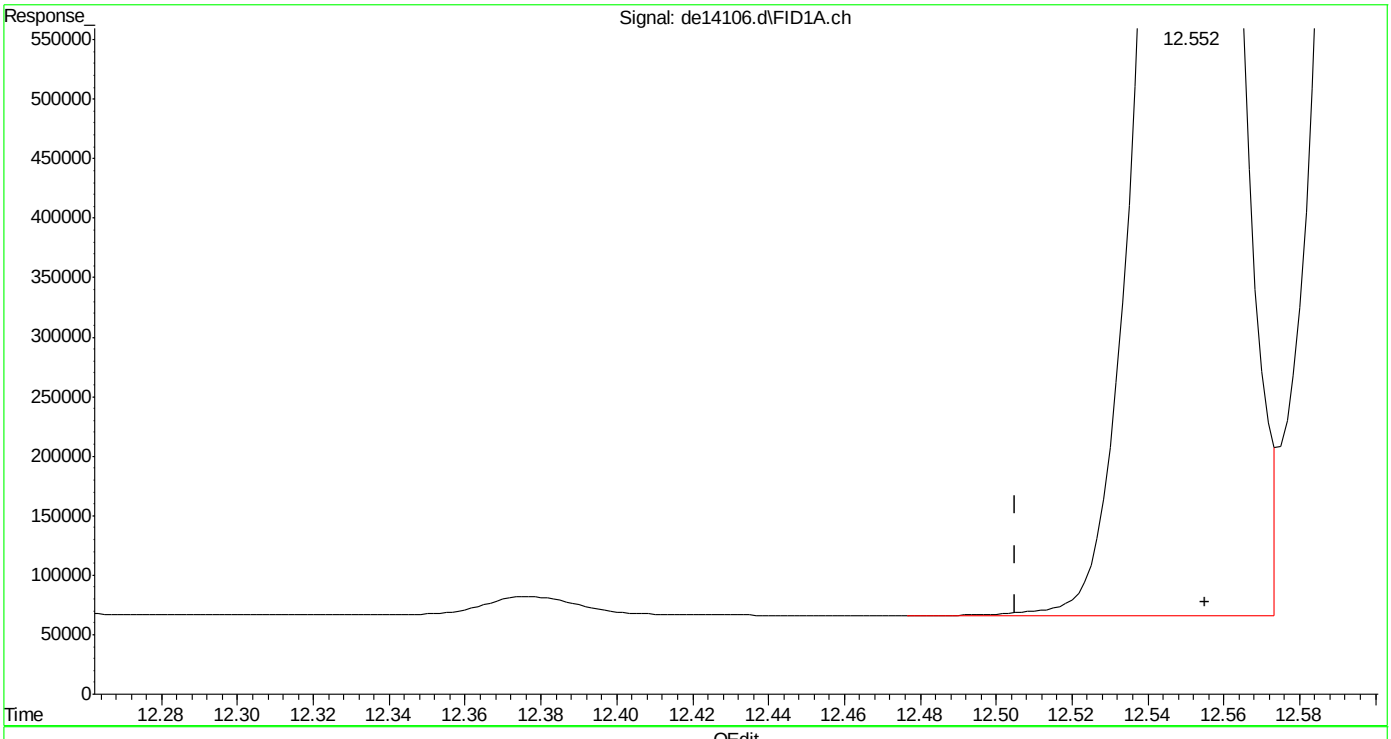
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14106.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 10:09 am
Operator : thomasa
Sample : op47474-bsd
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:42:29 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.552min 22.700 µg/ml m
response 2194554

(+) = Expected Retention Time
EPH160518W.M Wed May 18 12:05:43 2016

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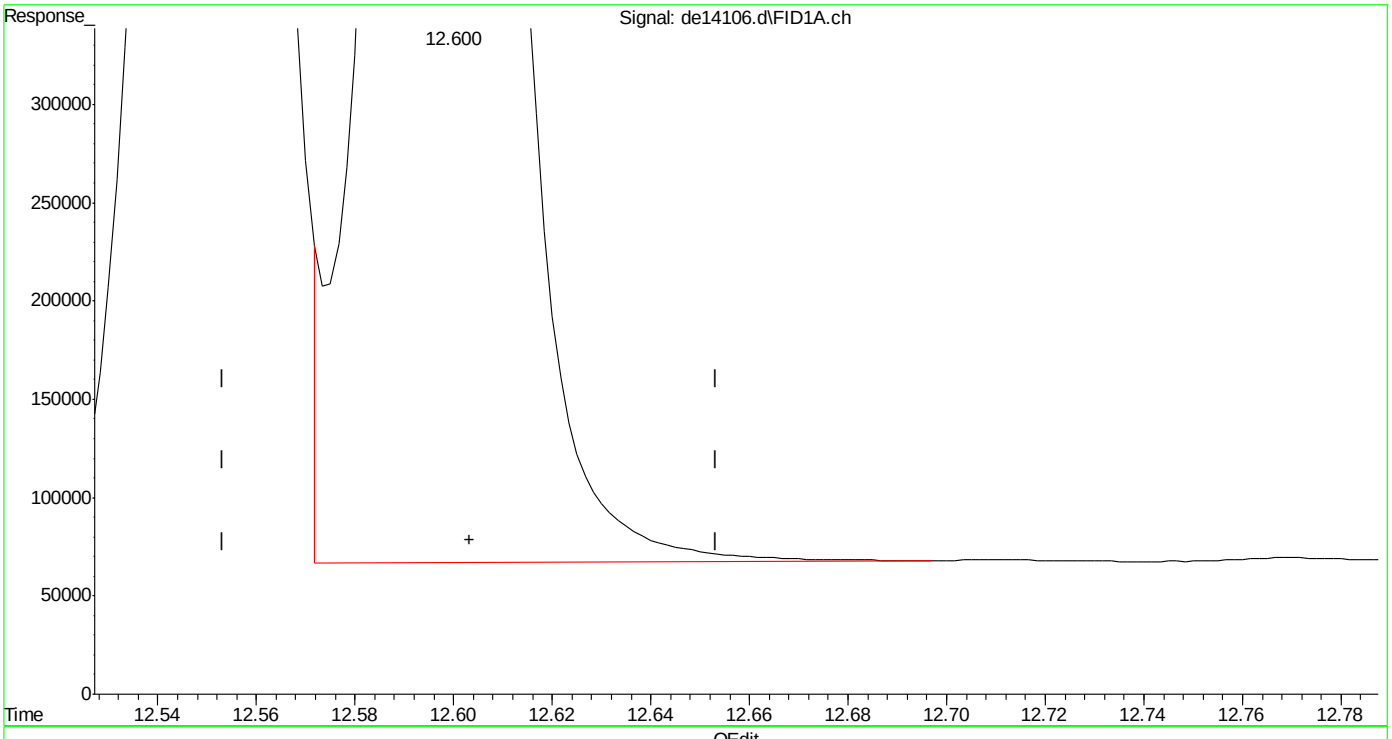
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14106.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 10:09 am
Operator : thomasa
Sample : op47474-bsd
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:42:29 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.600min 23.042 µg/ml
response 2242910

(+) = Expected Retention Time
EPH160518W.M Wed May 18 12:05:47 2016

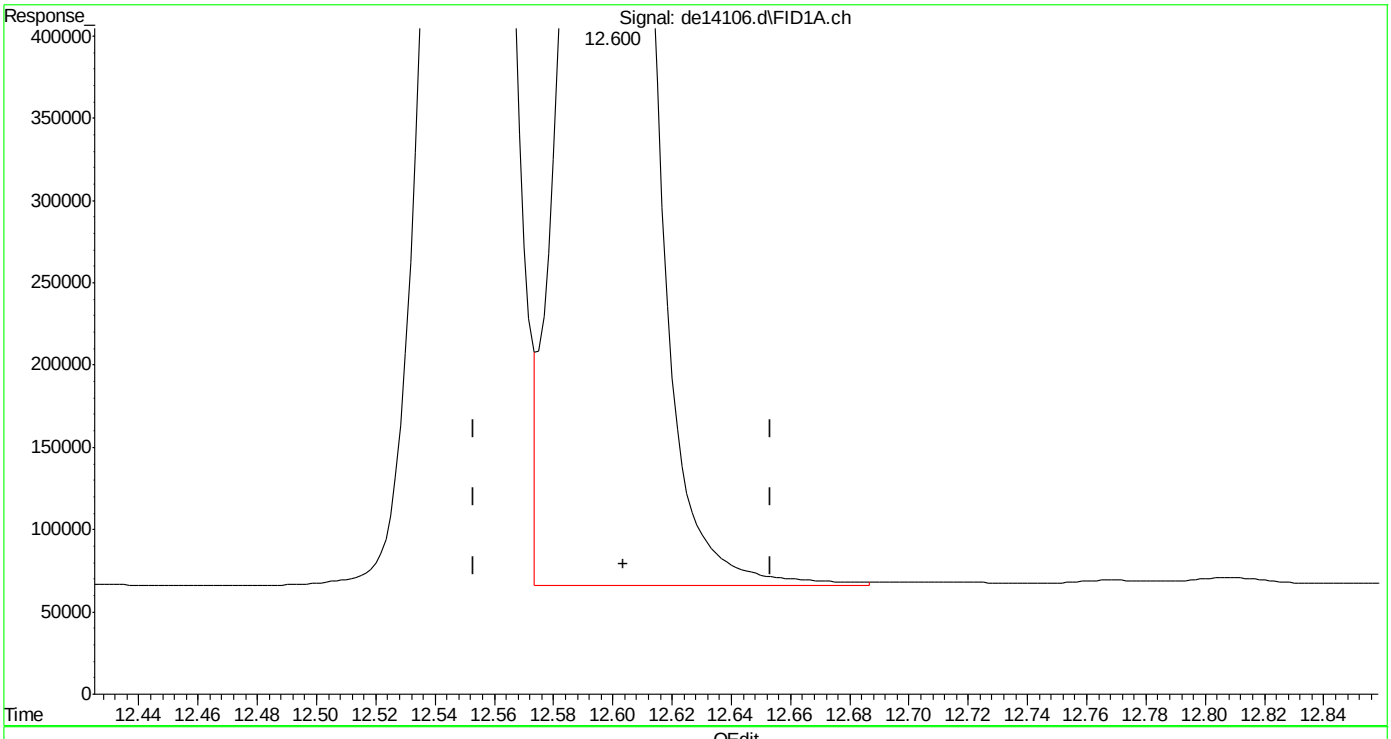
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14106.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 10:09 am
Operator : thomasa
Sample : op47474-bsd
Misc : op47474,gde792,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:42:29 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.600min 22.984 µg/ml m
response 2237328

(+) = Expected Retention Time

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Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.800	93024	0.934 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery =	4.67%#	
6) s 2-bromonaphthalene	7.530	61936	0.915 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery =	4.58%#	
11) s o-terphenyl	10.077	103028	0.955 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery =	4.78%#	
35) s 1-chlorooctadecane	11.247	61176	1.132 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery =	5.66%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	2460719	2.656 µg/mlm
2) naphthalene	5.353	100885	0.898 µg/ml
3) 2-methylnaphthalene	6.250	102950	0.929 µg/ml
5) acenaphthylene	7.365	99947	0.913 µg/ml
7) acenaphthene	7.607	101818	0.916 µg/ml
8) fluorene	8.250	100695	0.925 µg/ml
9) phenanthrene	9.435	101800	0.942 µg/ml
10) anthracene	9.490	96242	0.961 µg/ml
12) fluoranthene	10.940	103521	0.991 µg/ml
13) pyrene	11.198	105548	1.007 µg/ml
14) benzo(a)anthracene	12.758	100487	1.022 µg/mlm
15) chrysene	12.805	100279	1.010 µg/mlm
16) benzo(B)fluoranthene	14.053	100827	0.988 µg/mlm
17) benzo(k)fluoranthene	14.078	95833	0.978 µg/mlm
18) benzo(a)pyrene	14.388	94743	0.968 µg/ml
19) indeno(1,2,3-cd)pyrene	15.522	94483	0.967 µg/ml
20) dibenzo(ah)anthracene	15.568	92785	0.988 µg/ml
21) benzo(ghi)perylene	15.740f	93453	0.991 µg/ml
25) h c-9	2.680	76082	1.052 µg/mlm
26) h c-10	3.833	77300	1.065 µg/mlm
27) naphthalene #2	5.510	81982	1.068 µg/ml
28) c-12	5.685	76748	1.061 µg/ml
29) 2-methylnaphthalene #2	6.403	85696	1.079 µg/ml
30) c-14	7.202	77909	1.081 µg/ml
31) c-16	8.530	78733	1.103 µg/ml
32) c-18	9.725	77956	1.097 µg/ml
33) c-19	10.282	78108	1.157 µg/ml
34) c-20	10.812	75638	1.131 µg/ml
36) c-22	11.807	73192	1.099 µg/ml
37) c-24	12.725	69851	1.086 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
38)		c-26	13.578	72850	1.099 µg/ml
39)		c-28	14.370	69399	1.064 µg/ml
40)	h	c-30	15.122	74594	1.144 µg/mlm
41)	h	c-36	17.010	60516	0.967 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

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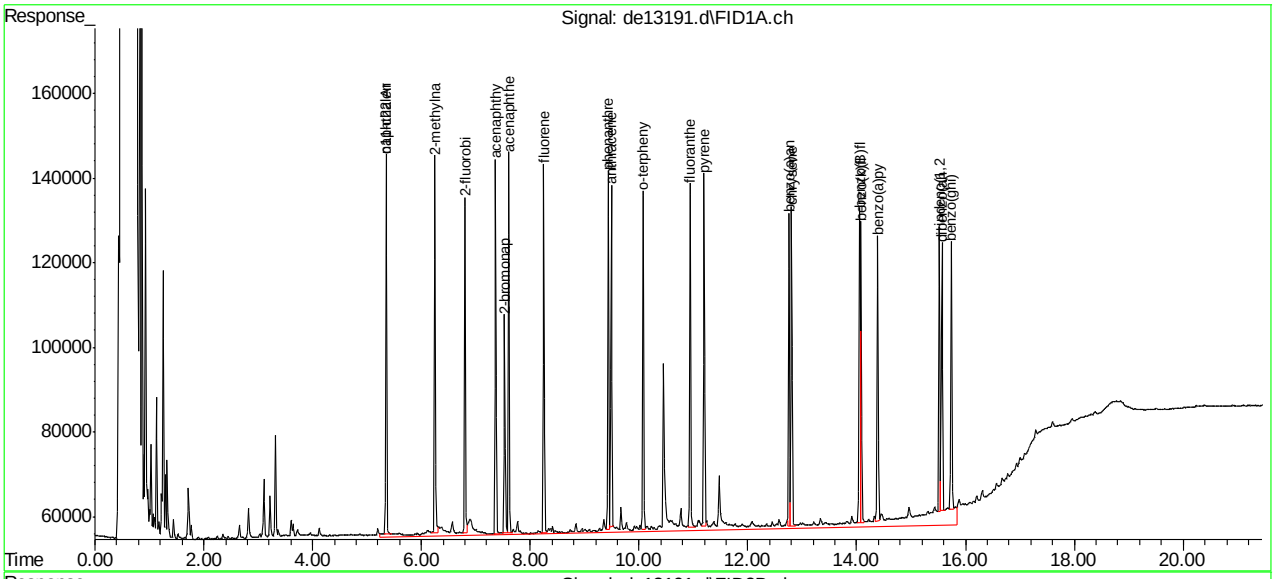
Quantitation Report (QT Reviewed)

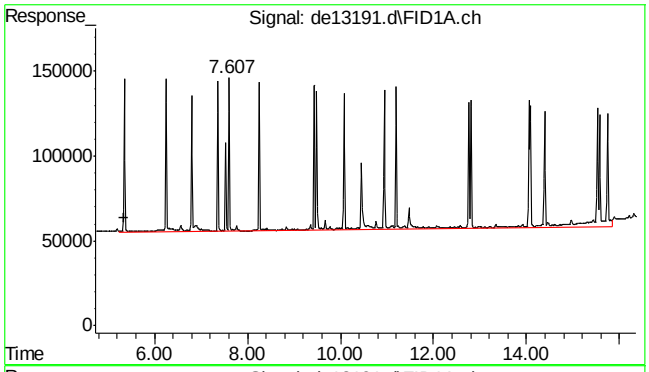
Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

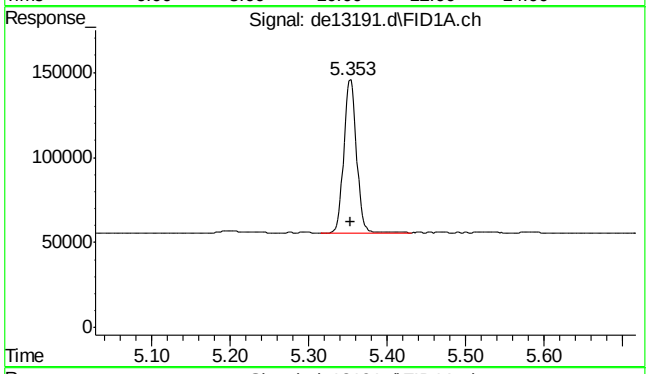


SGS ACCUTEST MC45857



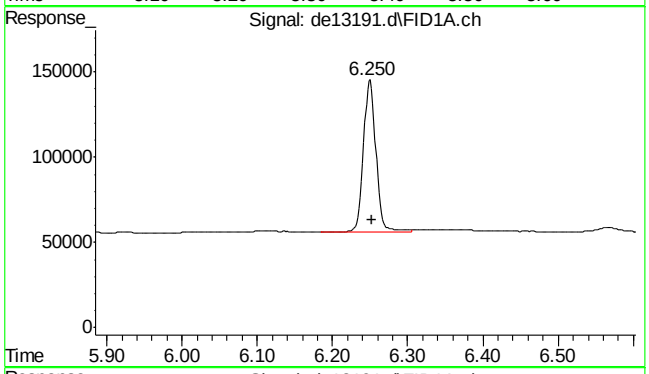
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 2460719
Conc: 2.66 µg/ml m



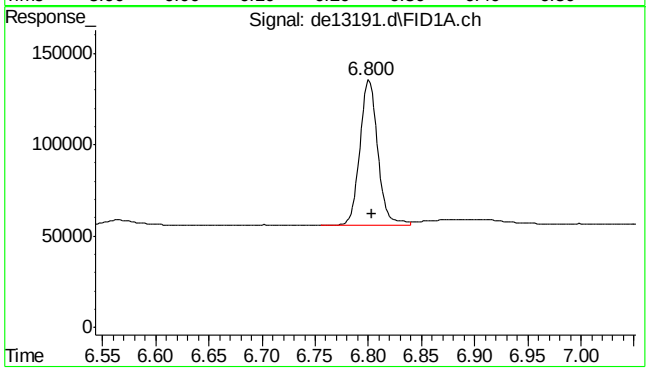
#2 naphthalene

R.T.: 5.353 min
Delta R.T.: 0.000 min
Response: 100885
Conc: 0.90 µg/ml



#3 2-methylnaphthalene

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 102950
Conc: 0.93 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.800 min
Delta R.T.: -0.003 min
Response: 93024
Conc: 0.93 µg/ml

9.4.1

9

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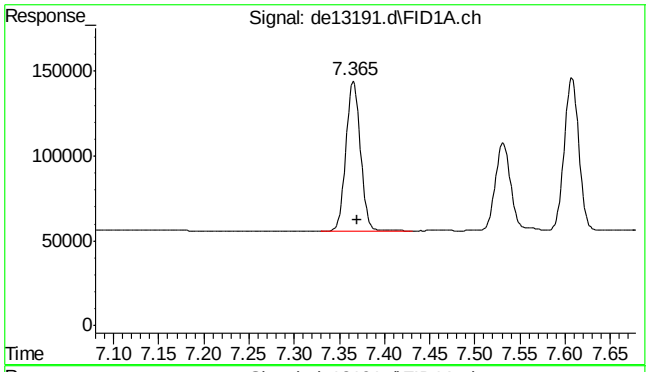
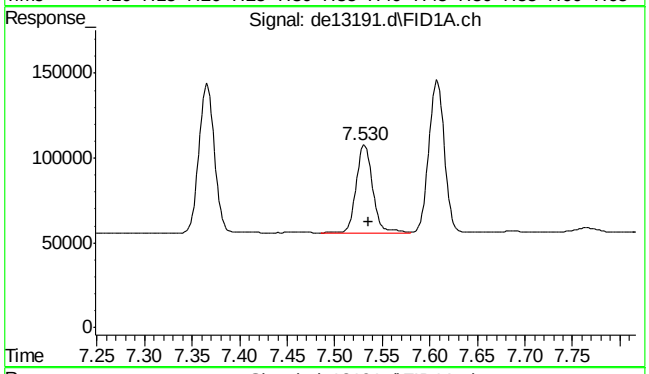


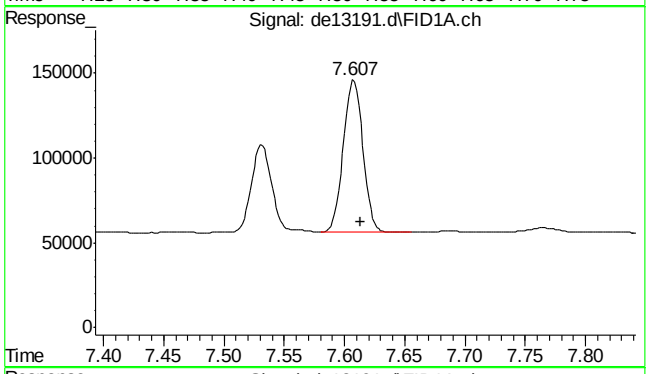
#5 acenaphthylene

R.T.: 7.365 min
Delta R.T.: -0.005 min
Response: 99947
Conc: 0.91 µg/ml



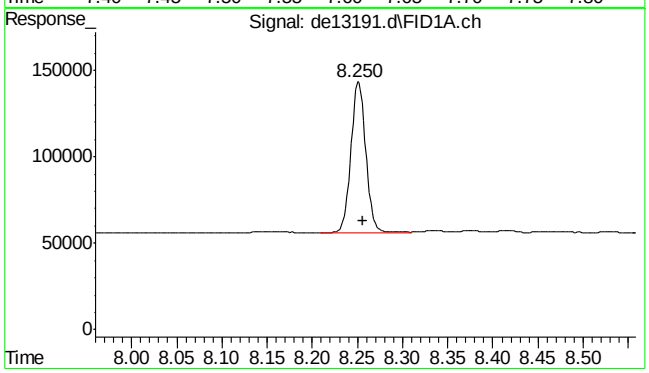
#6 2-bromonaphthalene

R.T.: 7.530 min
Delta R.T.: -0.005 min
Response: 61936
Conc: 0.91 µg/ml



#7 acenaphthene

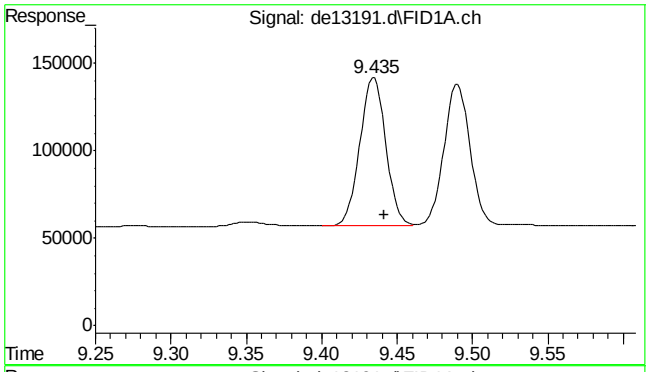
R.T.: 7.607 min
Delta R.T.: -0.007 min
Response: 101818
Conc: 0.92 µg/ml



#8 fluorene

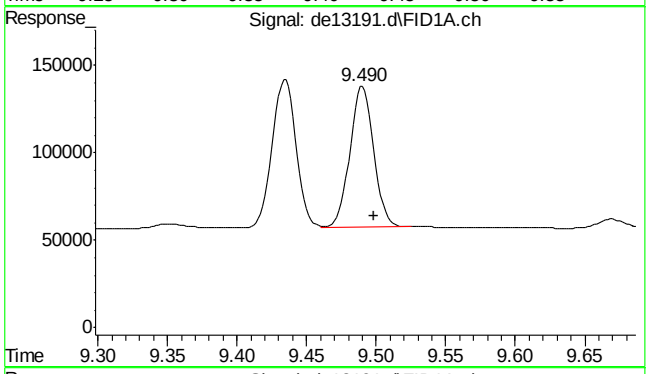
R.T.: 8.250 min
Delta R.T.: -0.007 min
Response: 100695
Conc: 0.92 µg/ml

SGS ACCUTEST MC45857



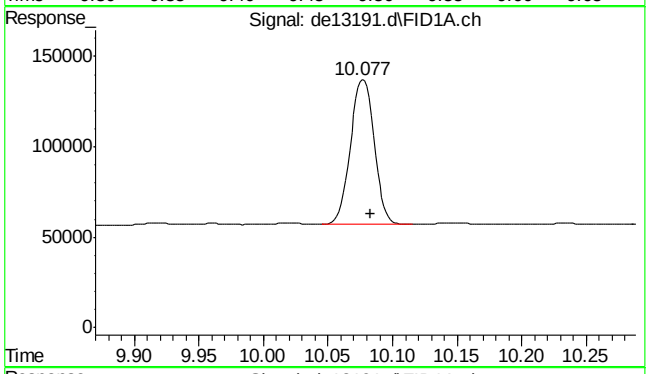
#9 phenanthrene

R.T.: 9.435 min
Delta R.T.: -0.007 min
Response: 101800
Conc: 0.94 µg/ml



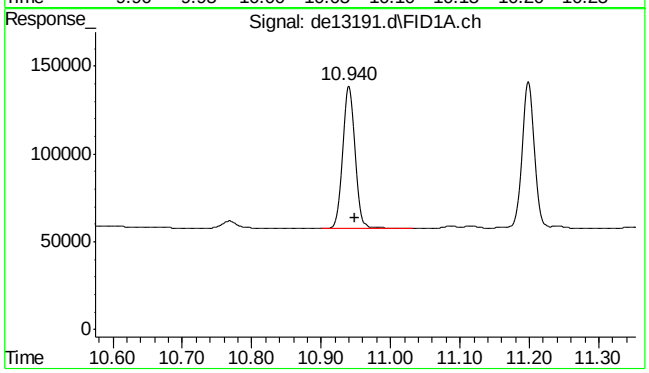
#10 anthracene

R.T.: 9.490 min
Delta R.T.: -0.008 min
Response: 96242
Conc: 0.96 µg/ml



#11 o-terphenyl

R.T.: 10.077 min
Delta R.T.: -0.007 min
Response: 103028
Conc: 0.95 µg/ml



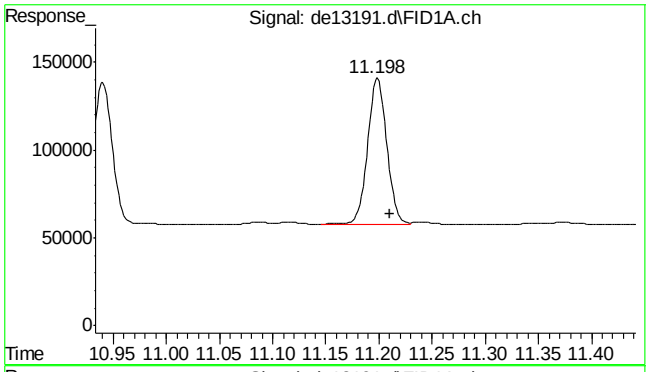
#12 fluoranthene

R.T.: 10.940 min
Delta R.T.: -0.008 min
Response: 103521
Conc: 0.99 µg/ml

9.4.1

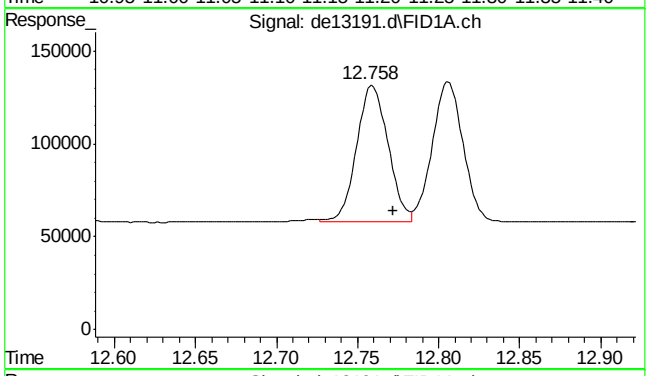
9

SGS ACCUTEST MC45857



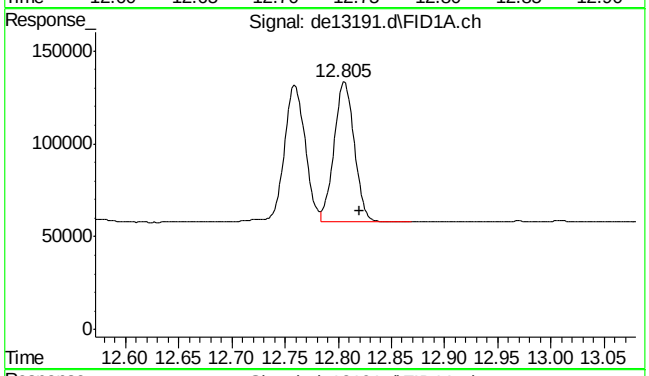
#13 pyrene

R.T.: 11.198 min
Delta R.T.: -0.012 min
Response: 105548
Conc: 1.01 µg/ml



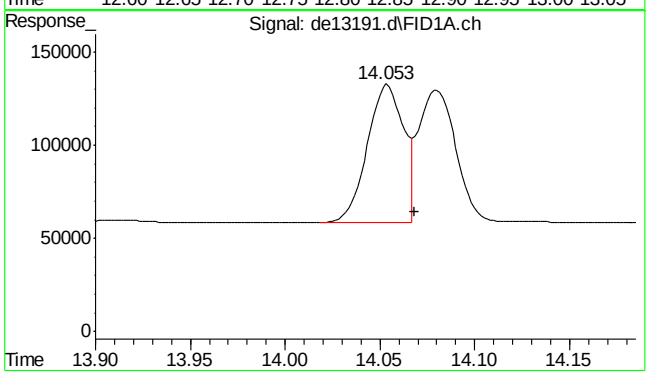
#14 benzo(a)anthracene

R.T.: 12.758 min
Delta R.T.: -0.013 min
Response: 100487
Conc: 1.02 µg/ml m



#15 chrysene

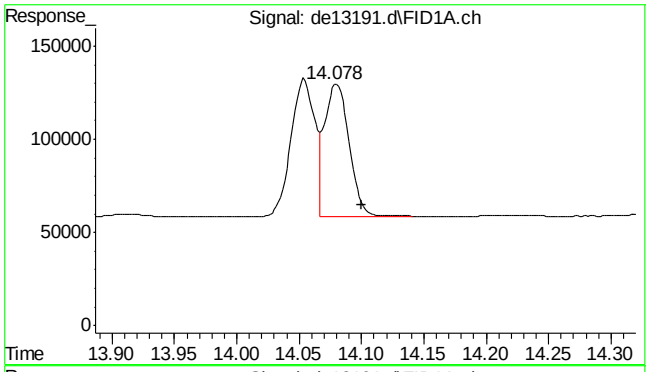
R.T.: 12.805 min
Delta R.T.: -0.015 min
Response: 100279
Conc: 1.01 µg/ml m



#16 benzo(B)fluoranthene

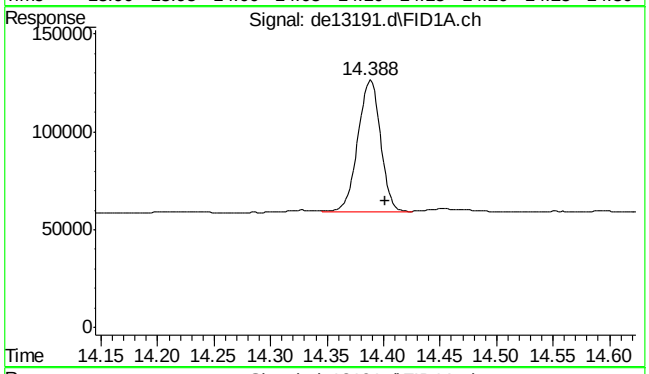
R.T.: 14.053 min
Delta R.T.: -0.015 min
Response: 100827
Conc: 0.99 µg/ml m

SGS ACCUTEST MC45857



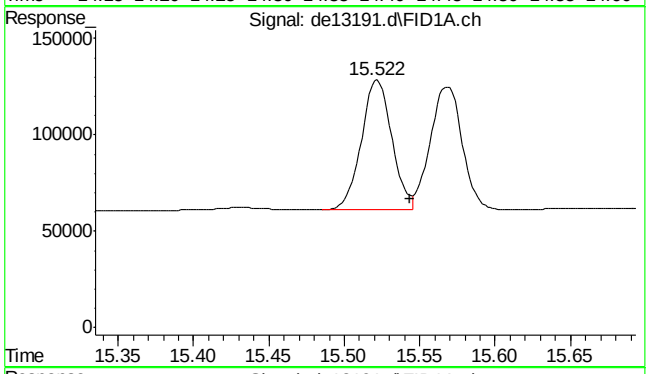
#17 benzo(k)fluoranthene

R.T.: 14.078 min
Delta R.T.: -0.022 min
Response: 95833
Conc: 0.98 µg/ml m



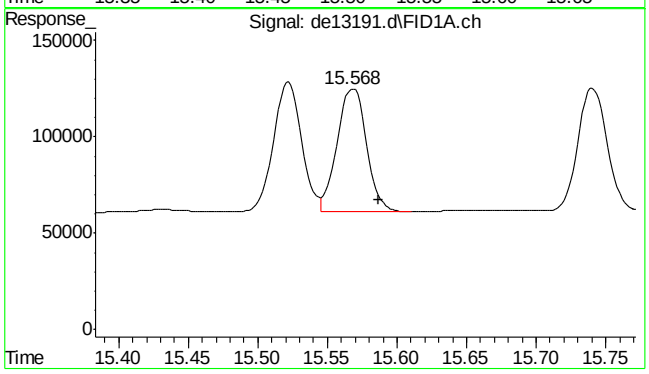
#18 benzo(a)pyrene

R.T.: 14.388 min
Delta R.T.: -0.013 min
Response: 94743
Conc: 0.97 µg/ml



#19 indeno(1,2,3-cd)pyrene

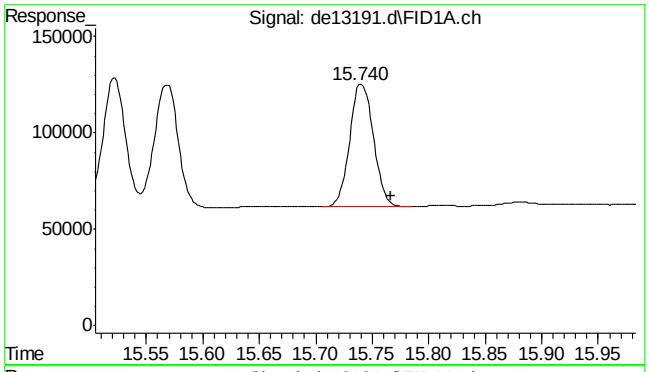
R.T.: 15.522 min
Delta R.T.: -0.022 min
Response: 94483
Conc: 0.97 µg/ml



#20 dibenzo(ah)anthracene

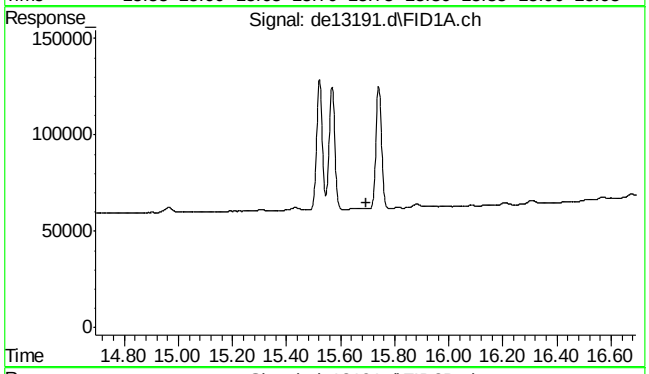
R.T.: 15.568 min
Delta R.T.: -0.018 min
Response: 92785
Conc: 0.99 µg/ml

SGS ACCUTEST MC45857



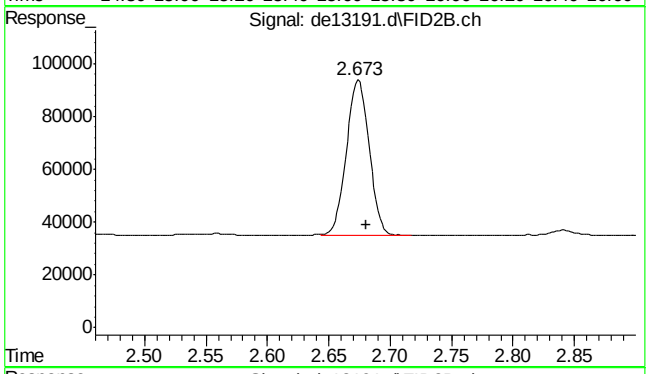
#21 benzo(ghi)perylene

R.T.: 15.740 min
Delta R.T.: -0.027 min
Response: 93453
Conc: 0.99 µg/ml



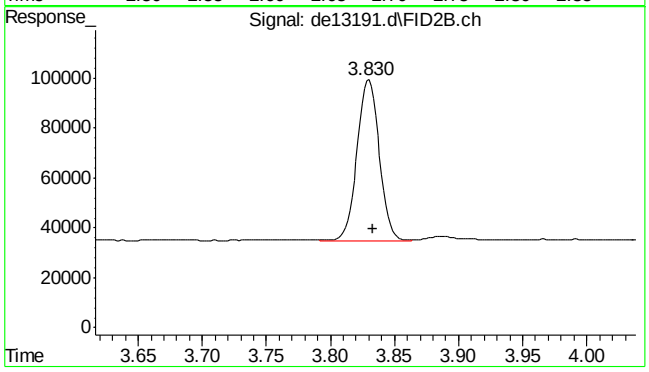
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

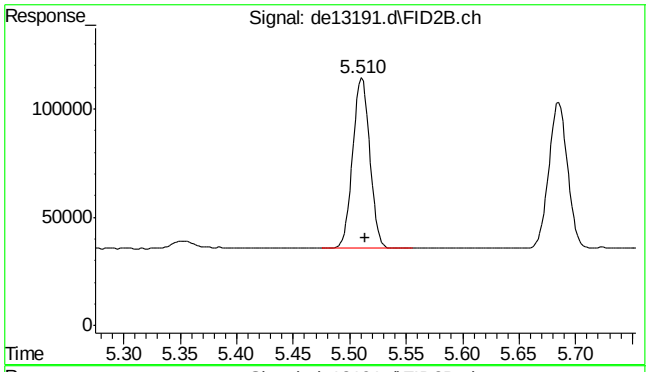
R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 76082
Conc: 1.05 µg/ml m



#26 c-10

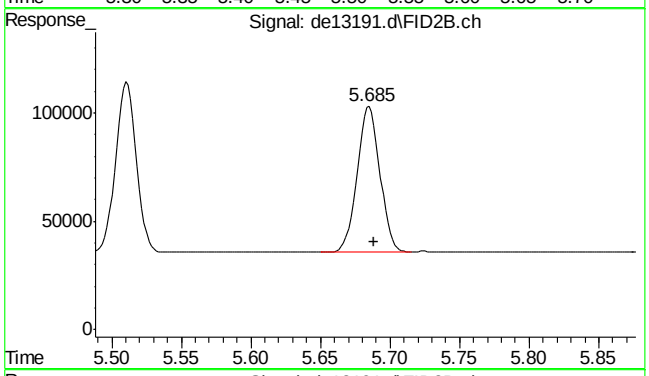
R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 77300
Conc: 1.06 µg/ml m

SGS ACCUTEST MC45857



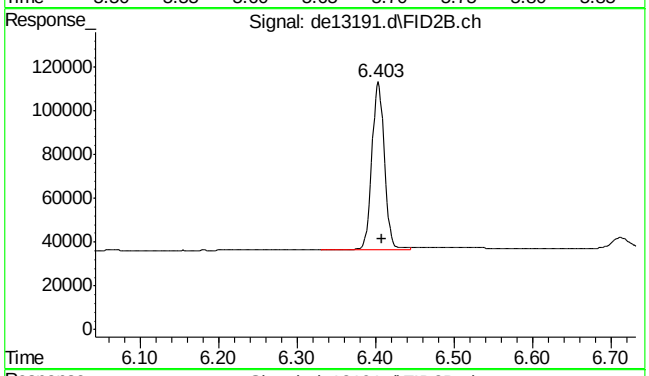
#27 naphthalene #2

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 81982
Conc: 1.07 µg/ml



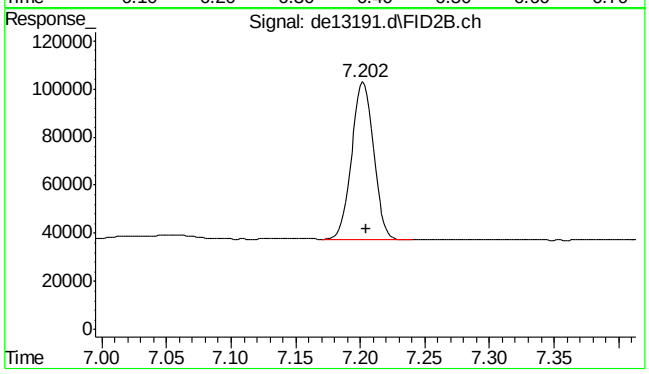
#28 c-12

R.T.: 5.685 min
Delta R.T.: -0.003 min
Response: 76748
Conc: 1.06 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.403 min
Delta R.T.: -0.005 min
Response: 85696
Conc: 1.08 µg/ml



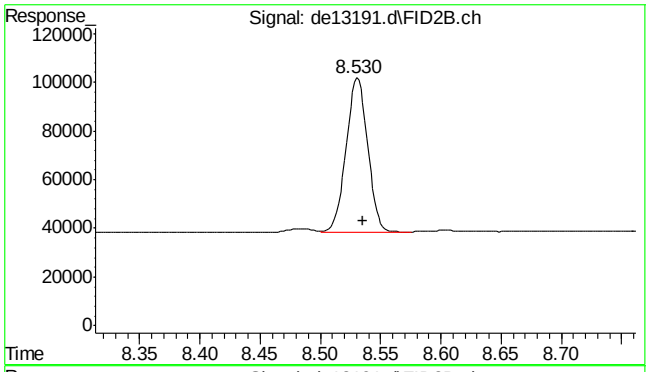
#30 c-14

R.T.: 7.202 min
Delta R.T.: -0.003 min
Response: 77909
Conc: 1.08 µg/ml

9.4.1

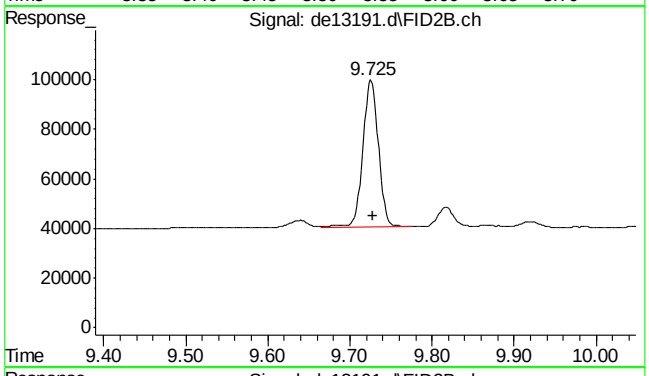
9

SGS ACCUTEST MC45857



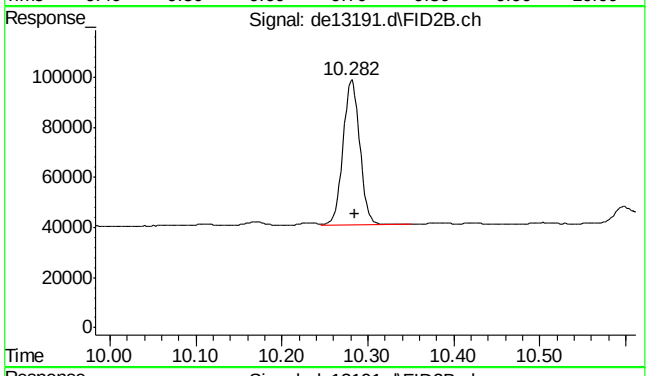
#31 c-16

R.T.: 8.530 min
Delta R.T.: -0.005 min
Response: 78733
Conc: 1.10 µg/ml



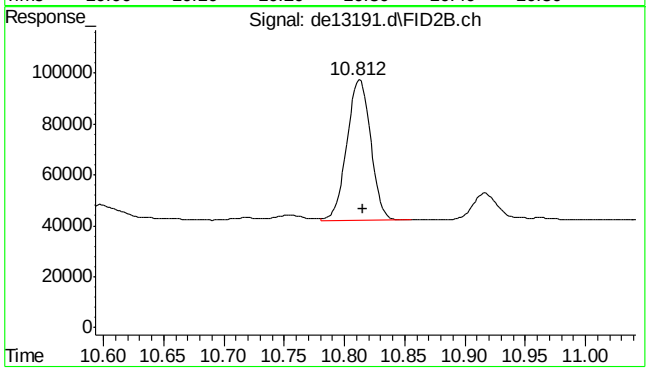
#32 c-18

R.T.: 9.725 min
Delta R.T.: -0.003 min
Response: 77956
Conc: 1.10 µg/ml



#33 c-19

R.T.: 10.282 min
Delta R.T.: -0.003 min
Response: 78108
Conc: 1.16 µg/ml



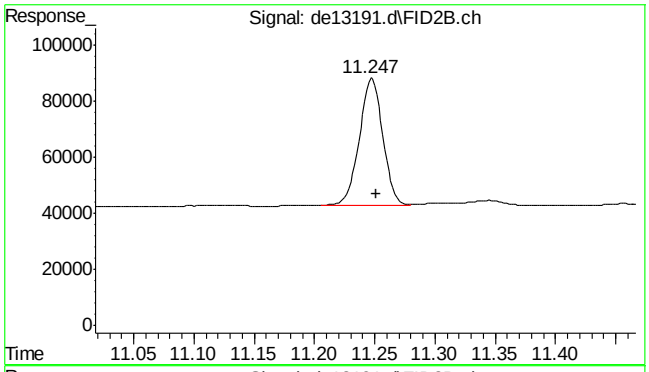
#34 c-20

R.T.: 10.812 min
Delta R.T.: -0.003 min
Response: 75638
Conc: 1.13 µg/ml

9.4.1

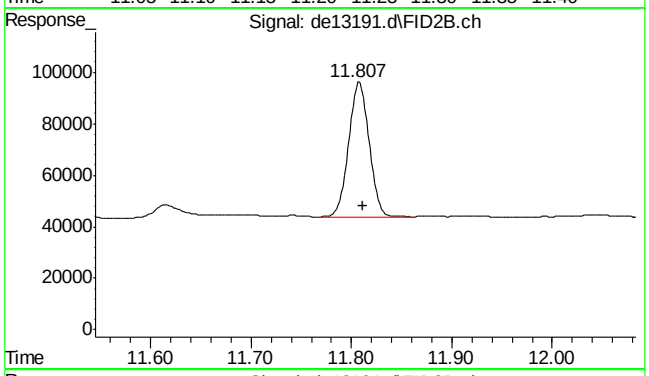
9

SGS ACCUTEST MC45857



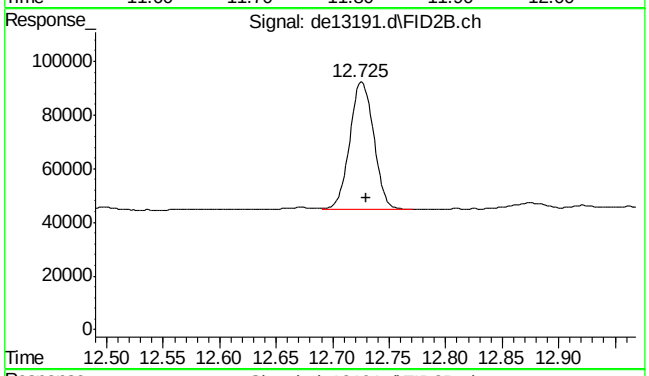
#35 1-chlorooctadecane

R.T.: 11.247 min
Delta R.T.: -0.005 min
Response: 61176
Conc: 1.13 µg/ml



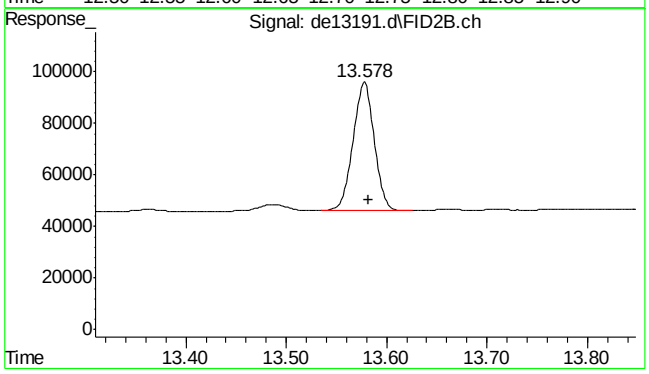
#36 c-22

R.T.: 11.807 min
Delta R.T.: -0.005 min
Response: 73192
Conc: 1.10 µg/ml



#37 c-24

R.T.: 12.725 min
Delta R.T.: -0.005 min
Response: 69851
Conc: 1.09 µg/ml



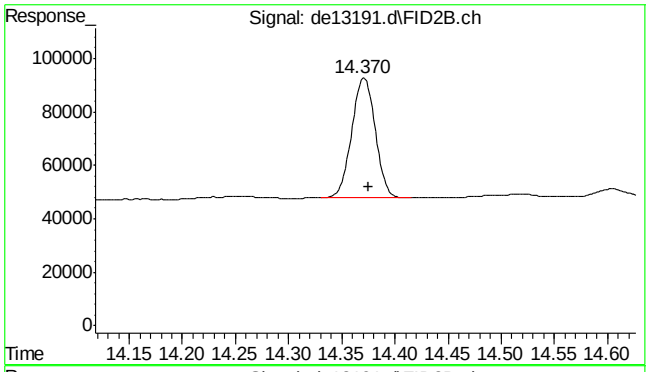
#38 c-26

R.T.: 13.578 min
Delta R.T.: -0.003 min
Response: 72850
Conc: 1.10 µg/ml

9.4.1

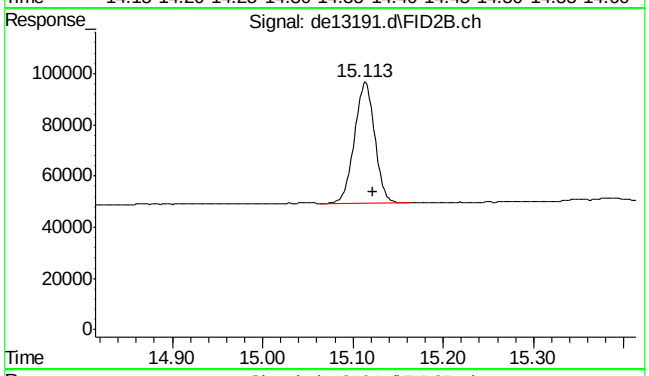
9

SGS ACCUTEST MC45857



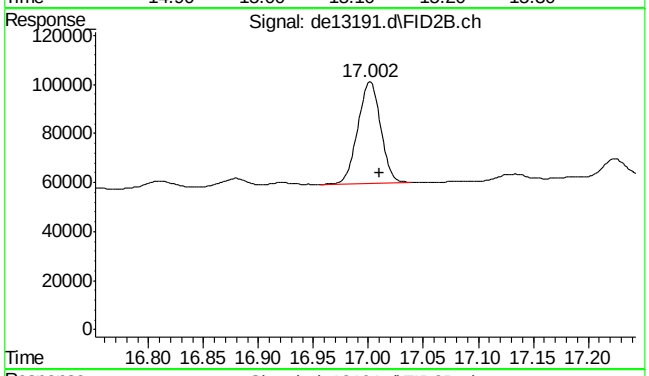
#39 c-28

R.T.: 14.370 min
Delta R.T.: -0.005 min
Response: 69399
Conc: 1.06 µg/ml



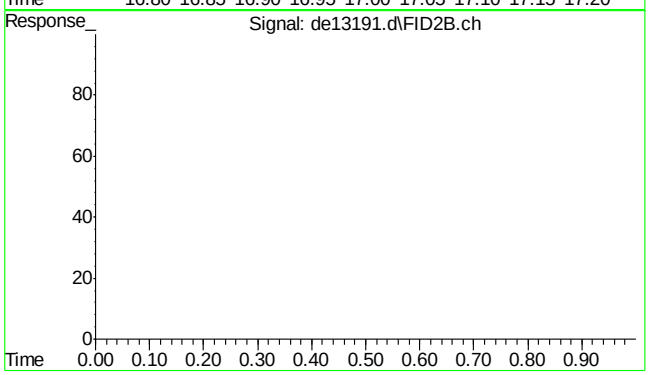
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 74594
Conc: 1.14 µg/ml m



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 60516
Conc: 0.97 µg/ml m



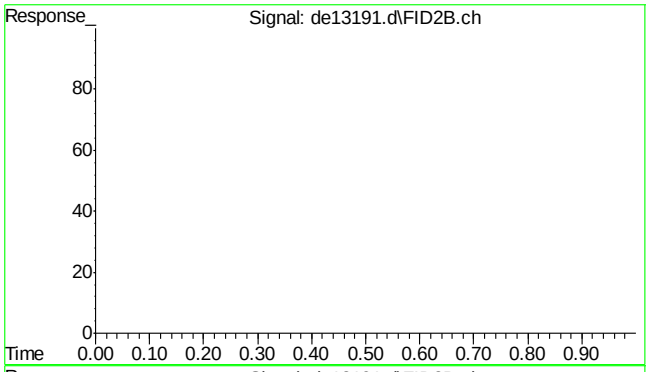
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.1

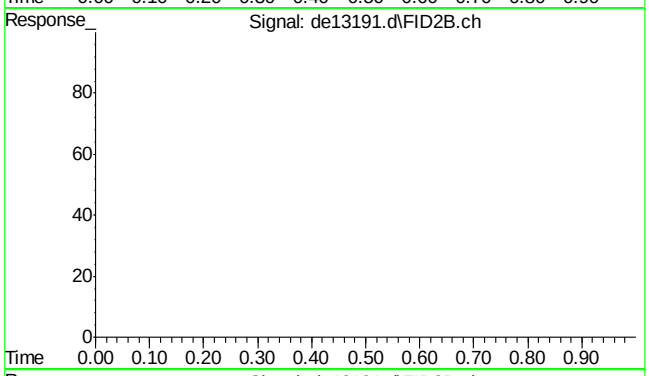
9

SGS ACCUTEST MC45857



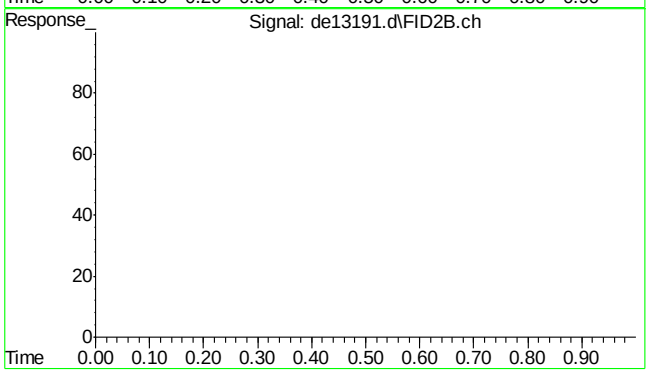
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

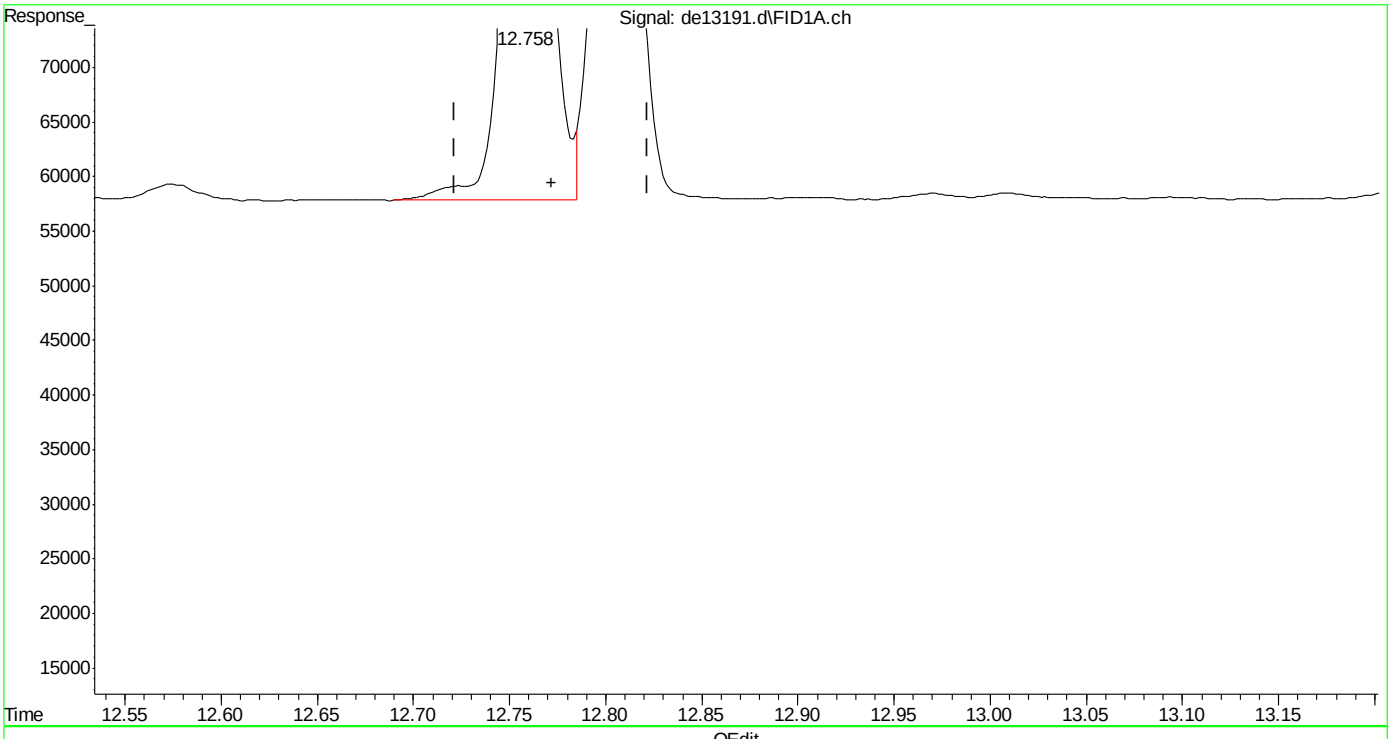
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.758min 1.044 µg/ml
response 102644

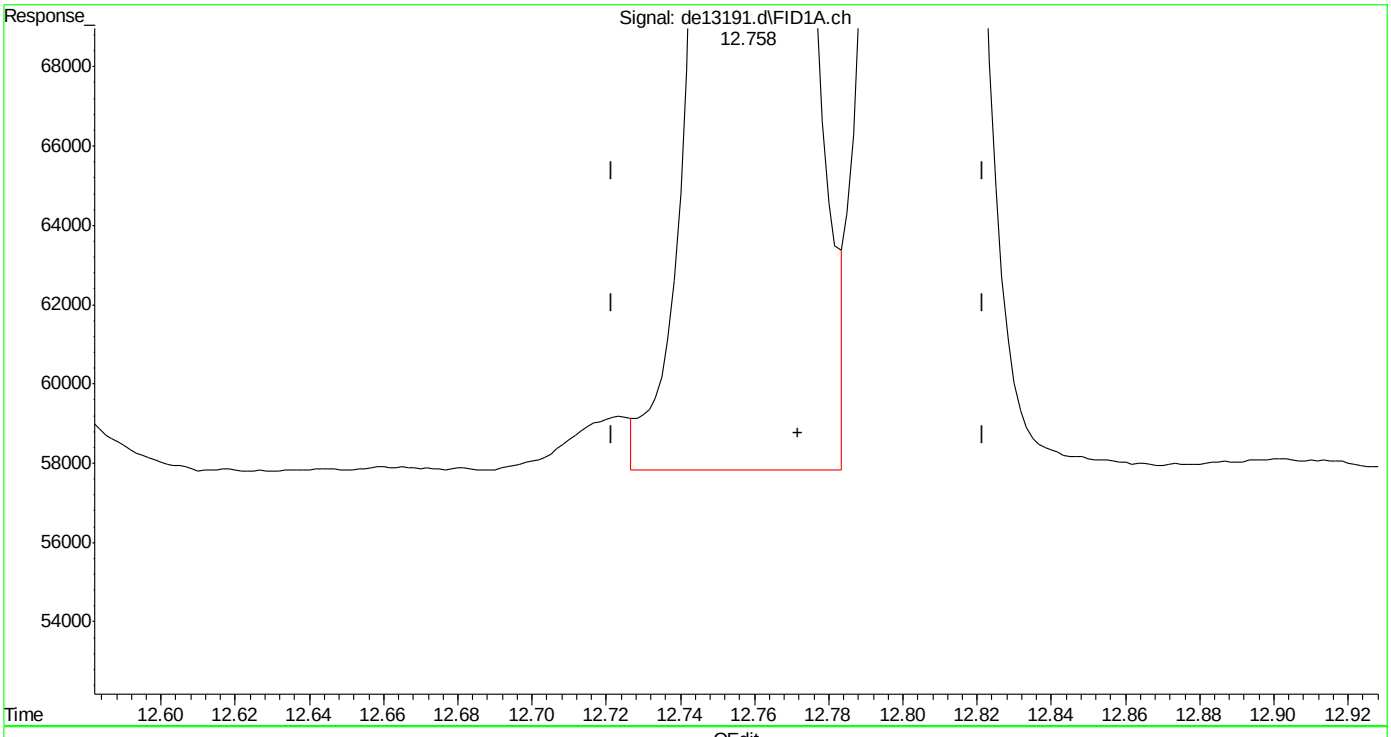
(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:36:15 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.758min 1.022 µg/ml m
response 100487

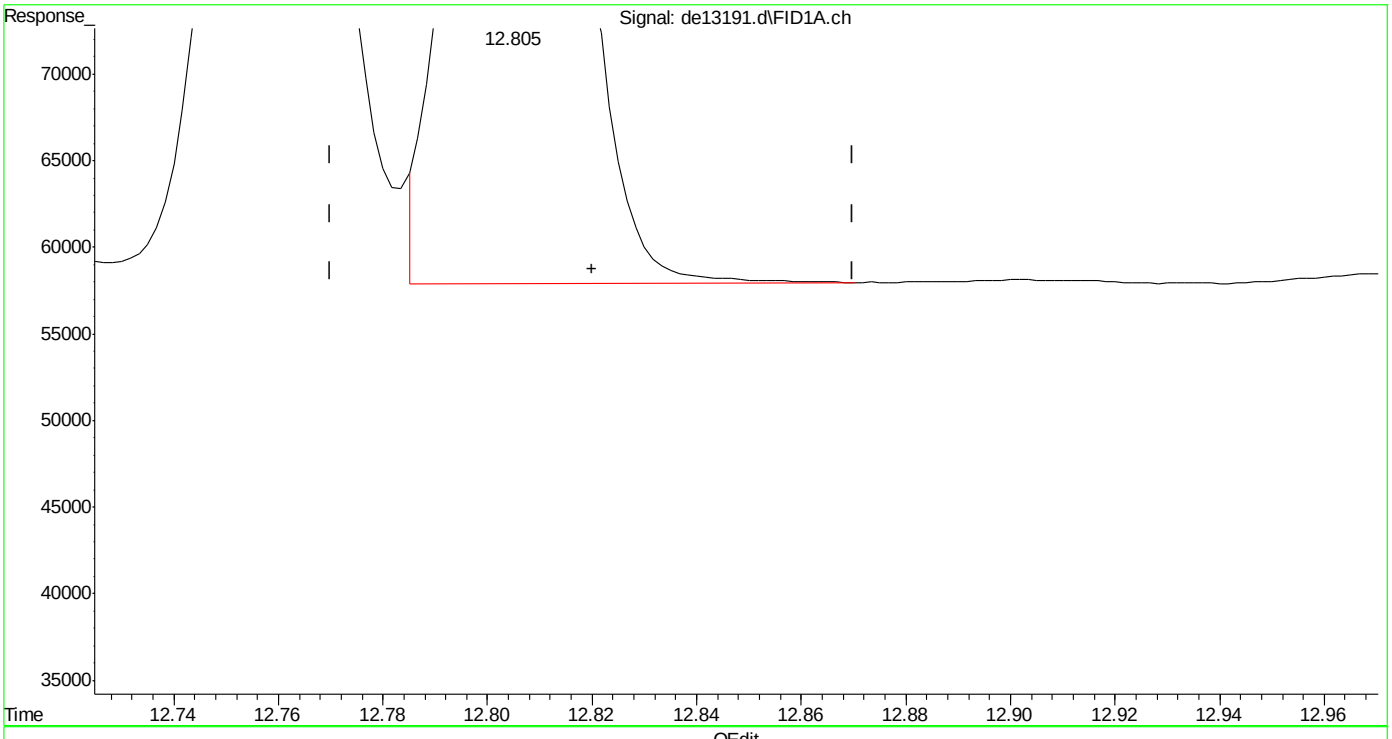
(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:36:33 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.805min 1.000 µg/ml
response 99307

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:36:37 2016

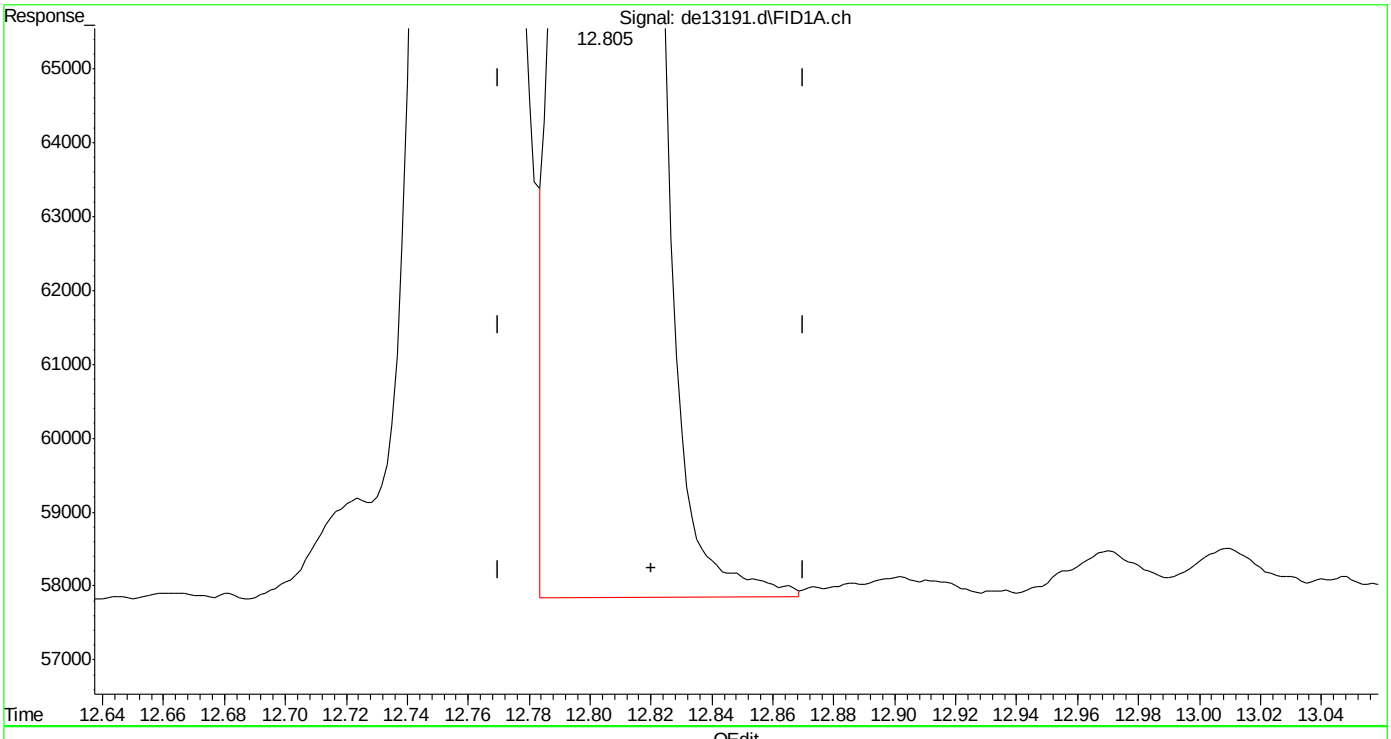
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.805min 1.010 µg/ml m
response 100279

(+) = Expected Retention Time

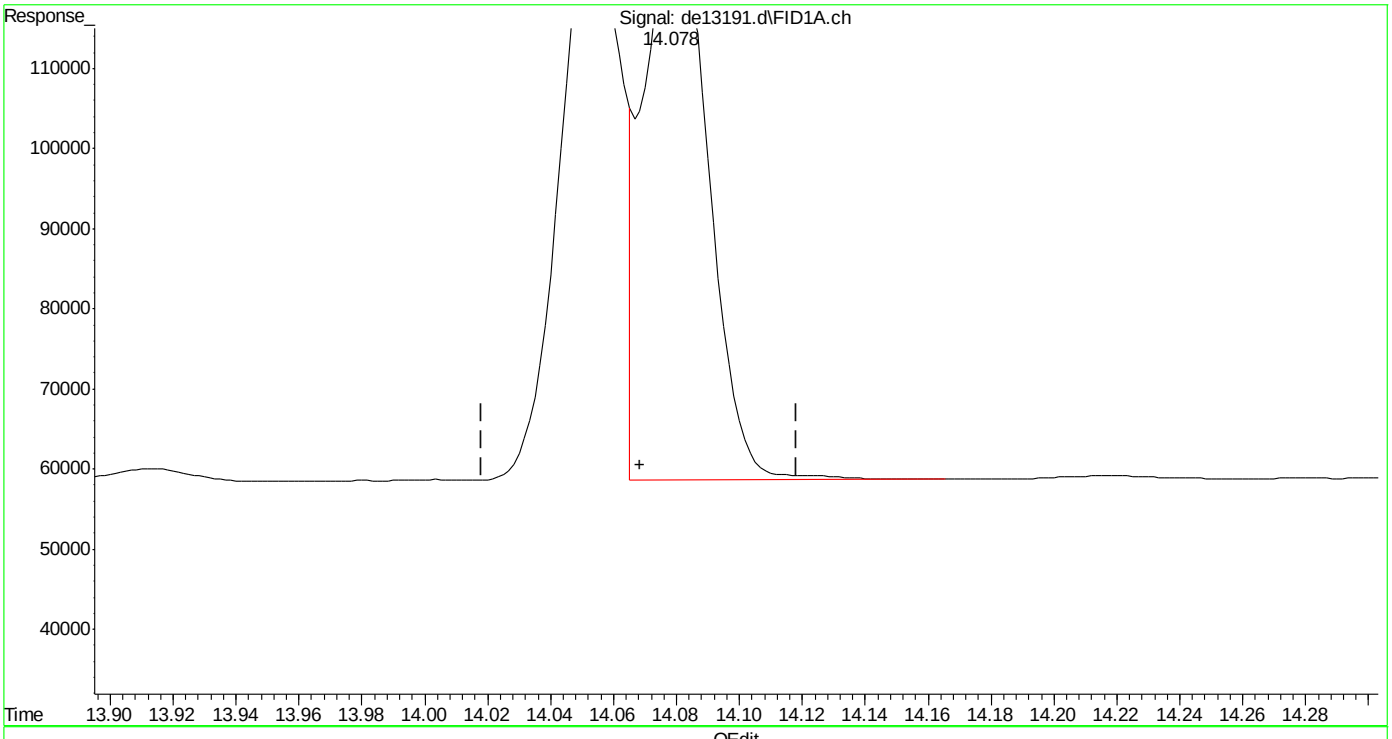
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.078min 0.983 µg/ml
response 100280

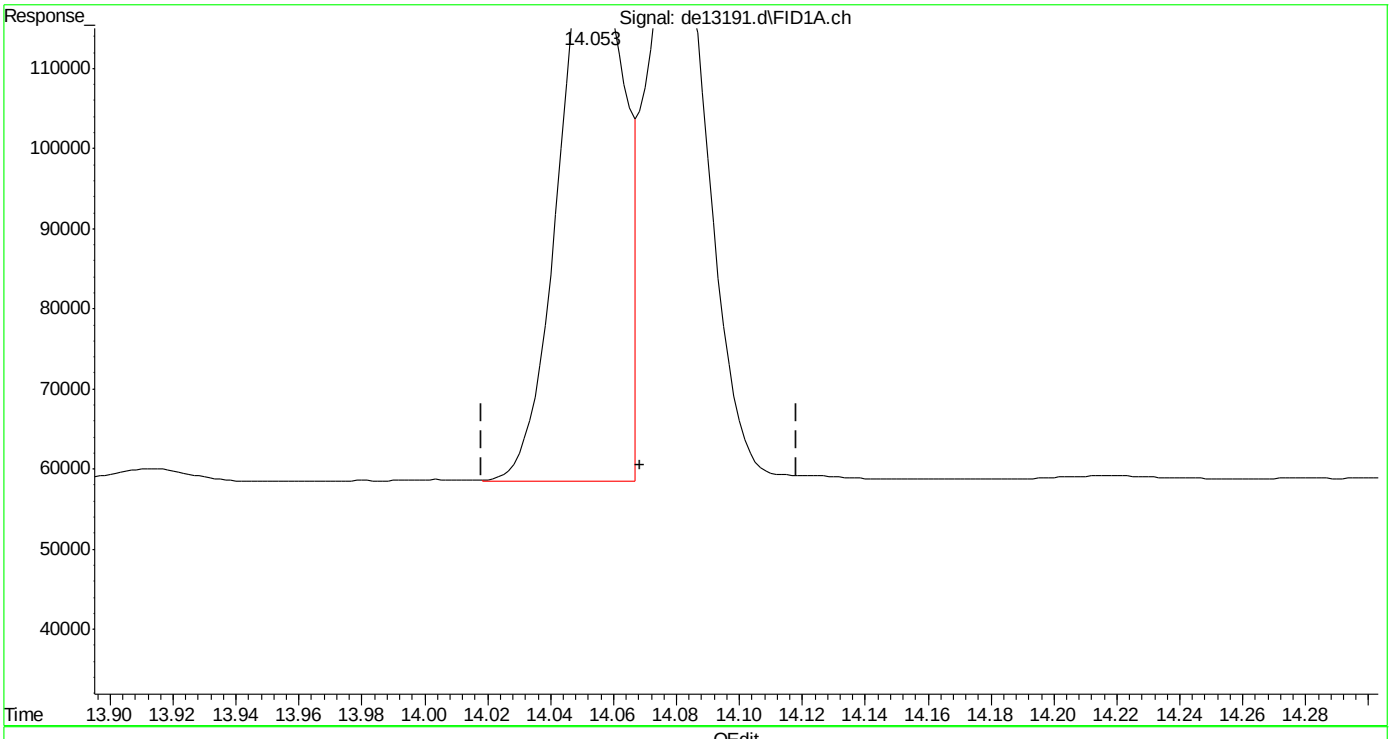
(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:37:05 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.053min 0.988 µg/ml m
response 100827

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:37:22 2016

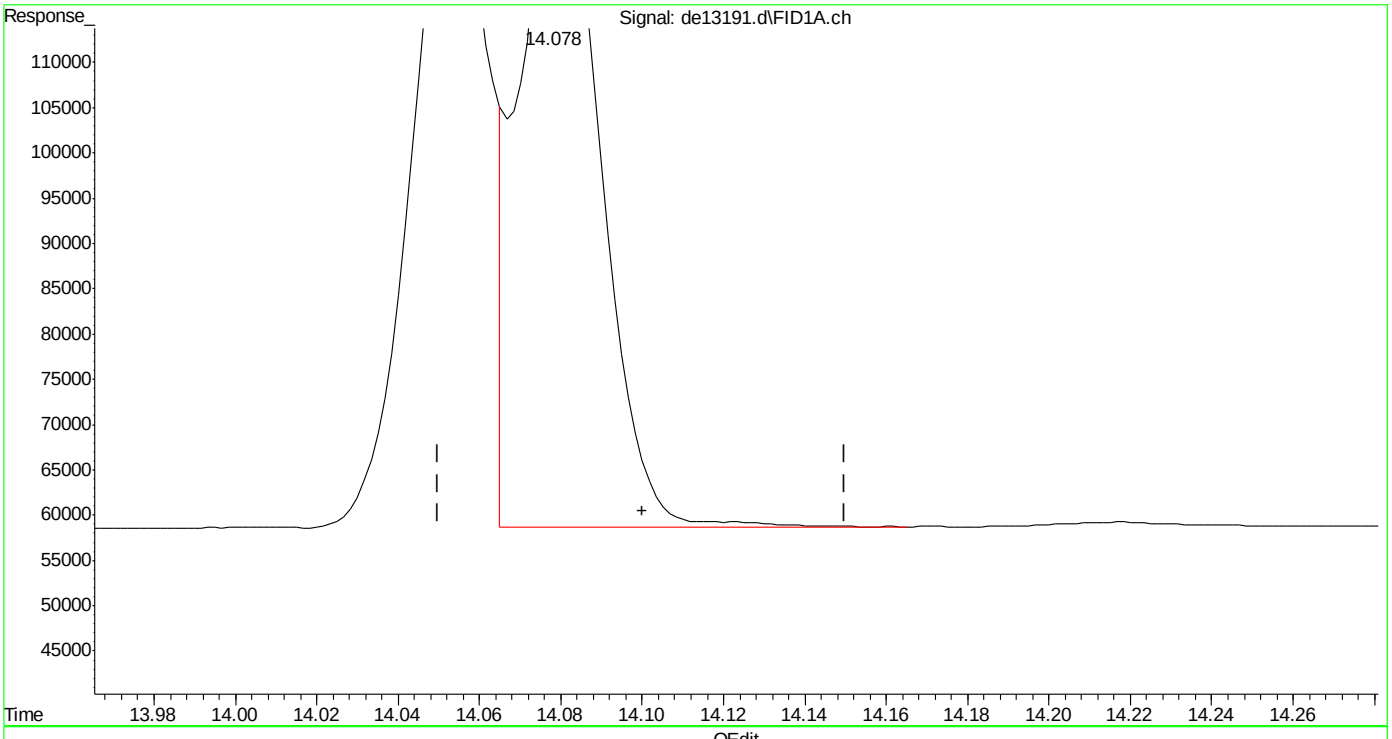
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.078min 1.024 µg/ml
response 100280

(+) = Expected Retention Time

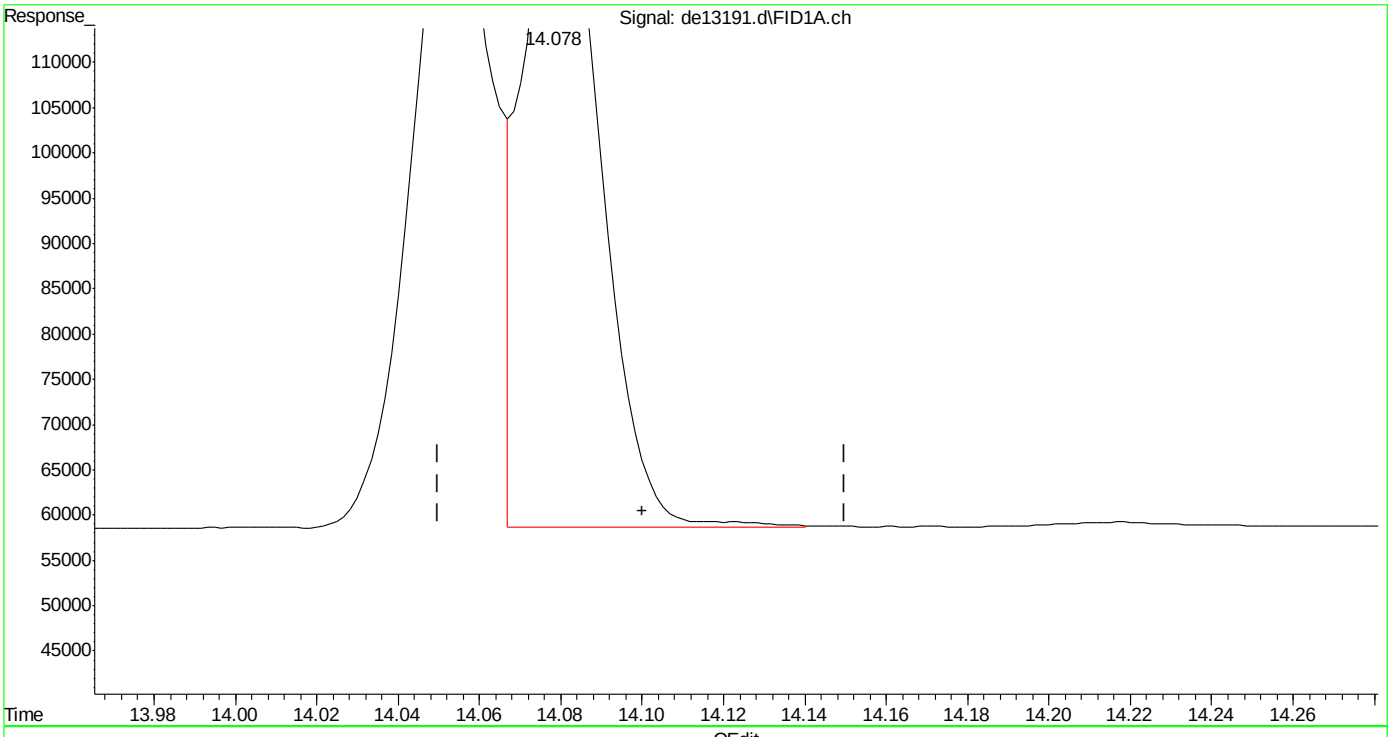
EPH160204M.M Fri Feb 05 10:37:26 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.078min 0.978 µg/ml m
response 95833

(+) = Expected Retention Time

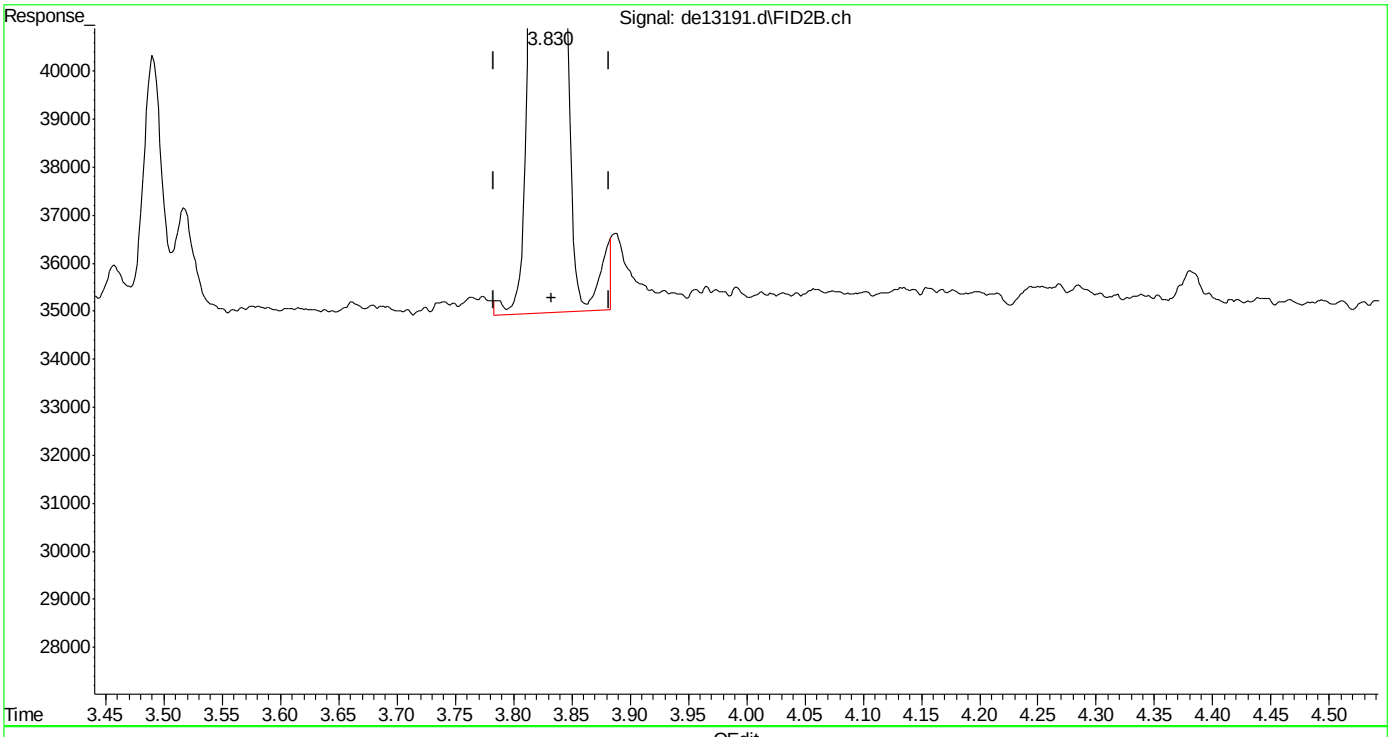
EPH160204M.M Fri Feb 05 10:37:39 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) c-10 (h)
3.833min 1.080 µg/ml
response 78399

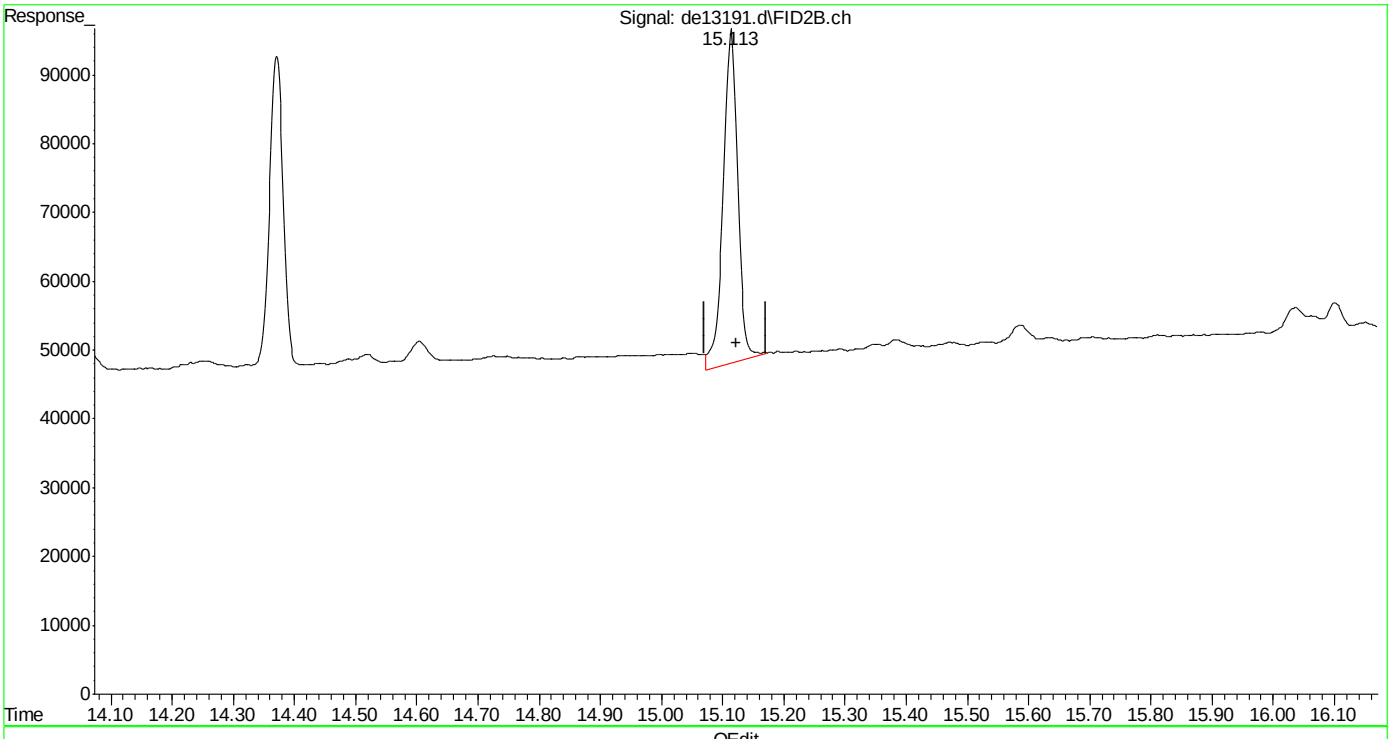
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 1.239 µg/ml
response 80783

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:38:11 2016

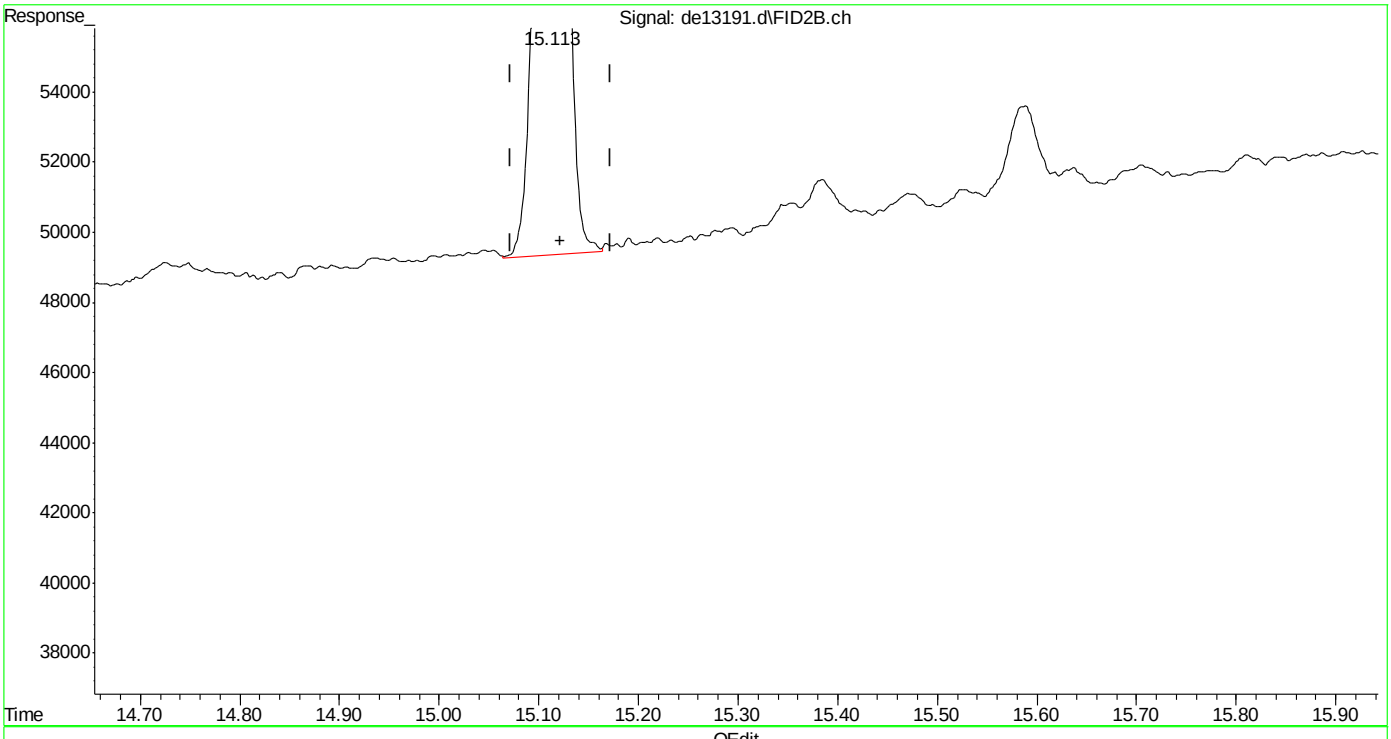
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13191.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:08 pm
Operator : thomasa
Sample : ic735-1
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:35:53 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:35:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 1.144 µg/ml m
response 74594

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:38:16 2016

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Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:41:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.800	184769	1.881 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 9.40%		
6) s 2-bromonaphthalene	7.532	125964	1.890 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 9.45%		
11) s o-terphenyl	10.077	208029	1.952 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 9.76%		
35) s 1-chlorooctadecane	11.247	119513	2.175 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 10.87%		
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	3994043	2.778 µg/mlm
2) naphthalene	5.352	205575	1.860 µg/ml
3) 2-methylnaphthalene	6.248	205018	1.875 µg/ml
5) acenaphthylene	7.365	202426	1.881 µg/ml
7) acenaphthene	7.607	207471	1.893 µg/ml
8) fluorene	8.252	204542	1.903 µg/ml
9) phenanthrene	9.433	207031	1.943 µg/ml
10) anthracene	9.492	199105	2.019 µg/ml
12) fluoranthene	10.940	203479	1.960 µg/ml
13) pyrene	11.198	206224	1.967 µg/ml
14) benzo(a)anthracene	12.760	197822	2.010 µg/mlm
15) chrysene	12.807	197927	1.992 µg/mlm
16) benzo(B)fluoranthene	14.053	197572	1.943 µg/mlm
17) benzo(k)fluoranthene	14.082	193855	1.989 µg/mlm
18) benzo(a)pyrene	14.387	184685	1.912 µg/ml
19) indeno(1,2,3-cd)pyrene	15.523	186820	1.909 µg/ml
20) dibenzo(ah)anthracene	15.568	185980	1.983 µg/ml
21) benzo(ghi)perylene	15.742f	184915	1.960 µg/ml
25) h c-9	2.680	157422	2.139 µg/mlm
26) h c-10	3.833	158649	2.139 µg/mlm
27) naphthalene #2	5.510	169071	2.176 µg/ml
28) c-12	5.685	157764	2.137 µg/ml
29) 2-methylnaphthalene #2	6.403	172009	2.148 µg/ml
30) c-14	7.202	157636	2.130 µg/ml
31) c-16	8.530	156773	2.123 µg/ml
32) c-18	9.725	154646	2.108 µg/ml
33) c-19	10.282	151034	2.126 µg/ml
34) c-20	10.812	148378	2.126 µg/ml
36) c-22	11.808	146070	2.124 µg/ml
37) c-24	12.725	135579	2.049 µg/ml

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:41:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
38)		c-26	13.577	142920	2.087 µg/ml
39)		c-28	14.370	137233	2.060 µg/ml
40)	h	c-30	15.122	139197	2.037 µg/mlm
41)	h	c-36	17.010	119416	1.930 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

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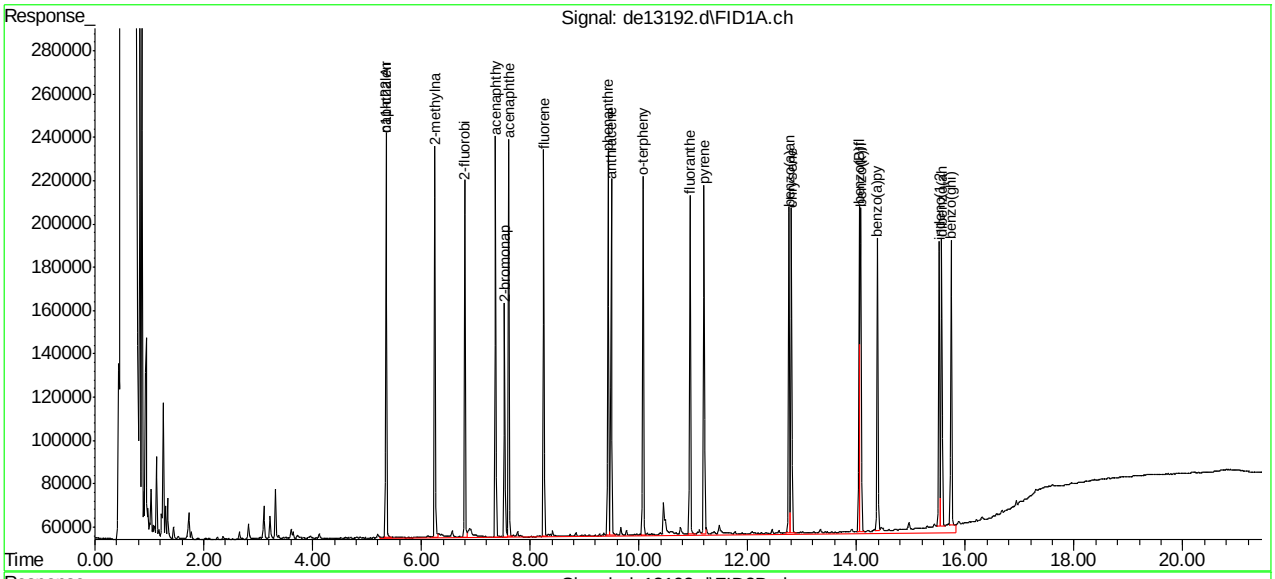
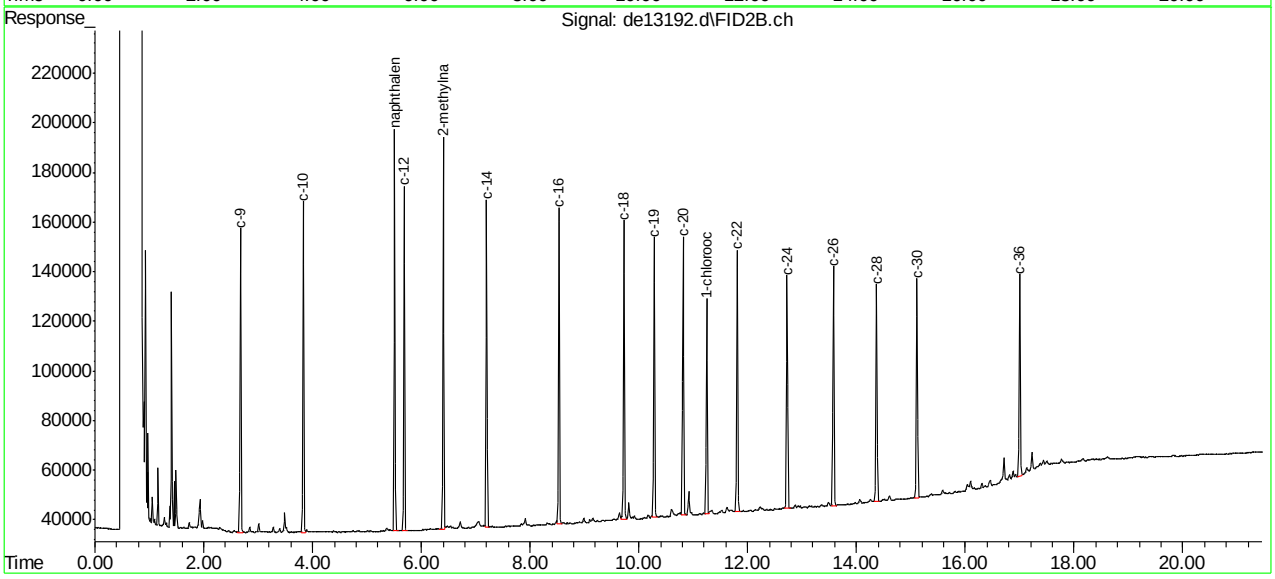
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

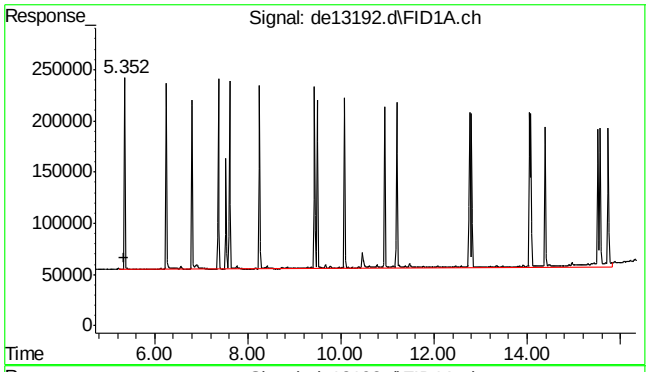
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:41:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



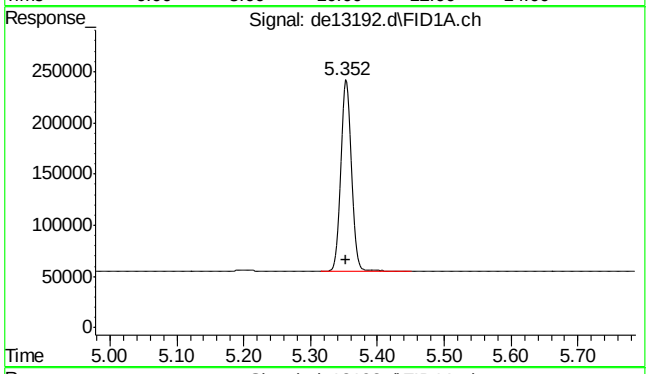


SGS 981 of 1207 ACCUTEST MC45857



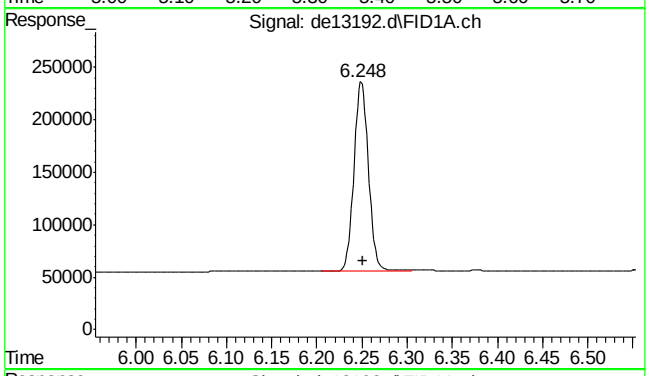
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 3994043
Conc: 2.78 µg/ml m



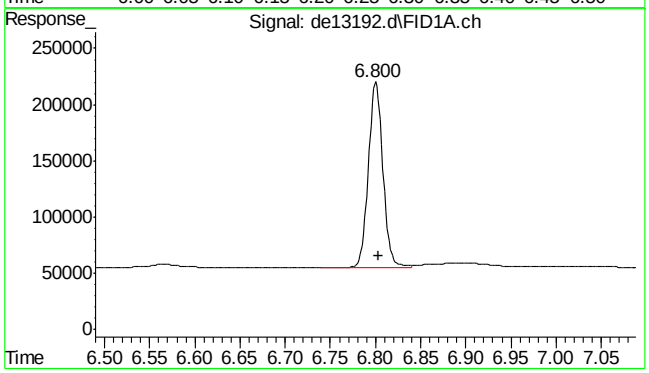
#2 naphthalene

R.T.: 5.352 min
Delta R.T.: -0.002 min
Response: 205575
Conc: 1.86 µg/ml



#3 2-methylnaphthalene

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 205018
Conc: 1.88 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.800 min
Delta R.T.: -0.003 min
Response: 184769
Conc: 1.88 µg/ml

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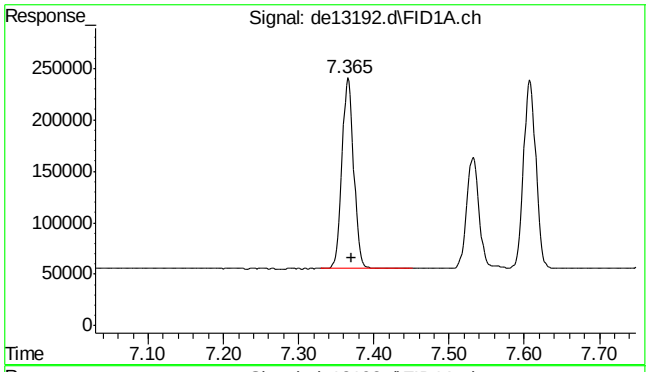
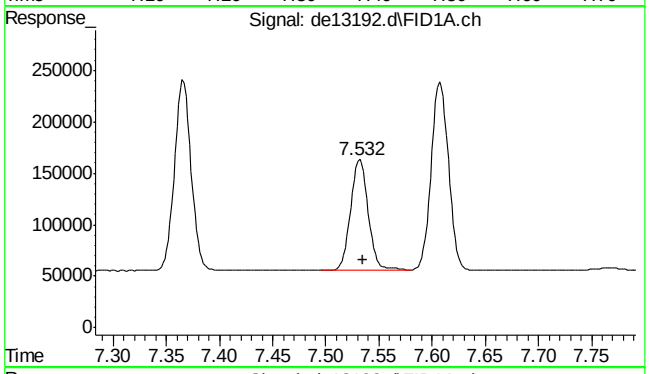


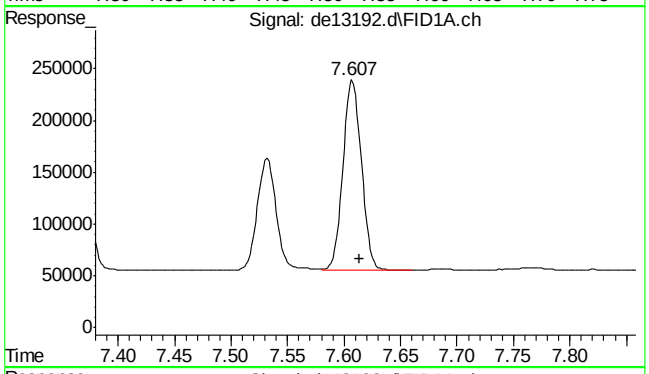
#5 acenaphthylene

R.T.: 7.365 min
Delta R.T.: -0.005 min
Response: 202426
Conc: 1.88 µg/ml



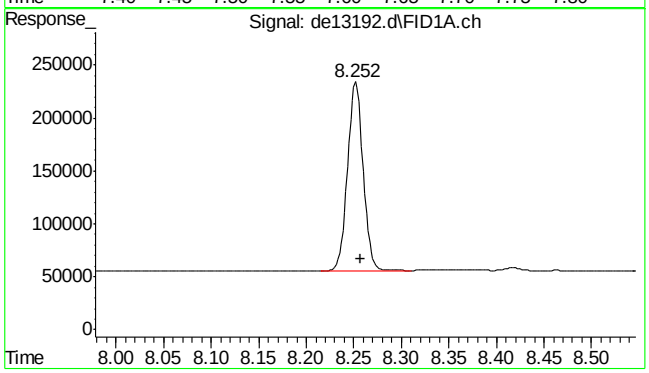
#6 2-bromonaphthalene

R.T.: 7.532 min
Delta R.T.: -0.003 min
Response: 125964
Conc: 1.89 µg/ml



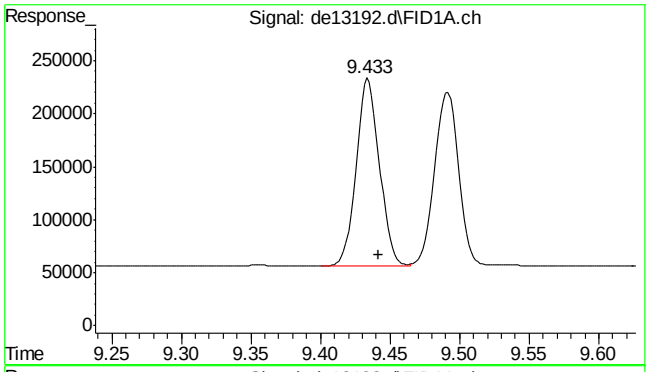
#7 acenaphthene

R.T.: 7.607 min
Delta R.T.: -0.007 min
Response: 207471
Conc: 1.89 µg/ml



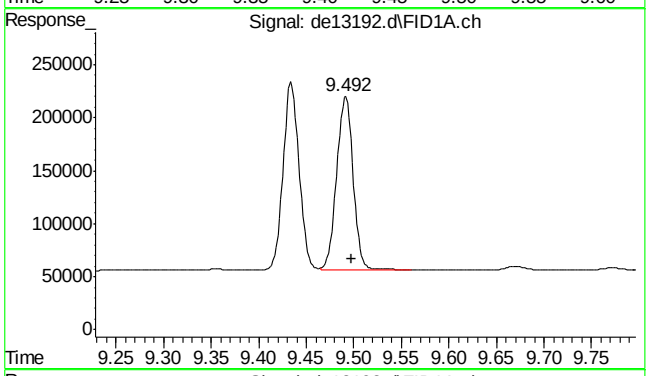
#8 fluorene

R.T.: 8.252 min
Delta R.T.: -0.005 min
Response: 204542
Conc: 1.90 µg/ml



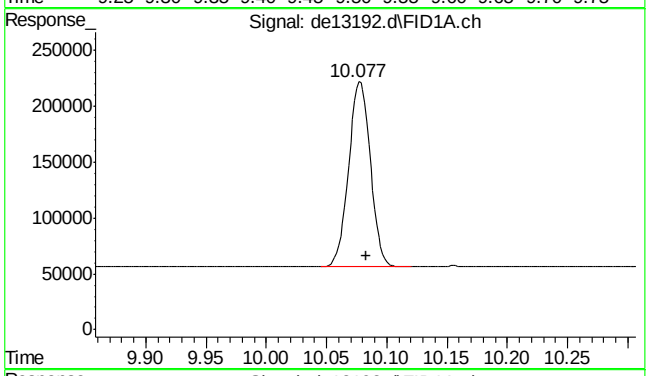
#9 phenanthrene

R.T.: 9.433 min
Delta R.T.: -0.008 min
Response: 207031
Conc: 1.94 µg/ml



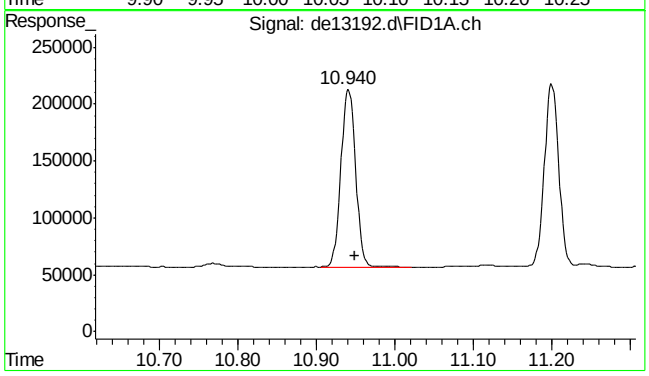
#10 anthracene

R.T.: 9.492 min
Delta R.T.: -0.007 min
Response: 199105
Conc: 2.02 µg/ml



#11 o-terphenyl

R.T.: 10.077 min
Delta R.T.: -0.007 min
Response: 208029
Conc: 1.95 µg/ml



#12 fluoranthene

R.T.: 10.940 min
Delta R.T.: -0.008 min
Response: 203479
Conc: 1.96 µg/ml

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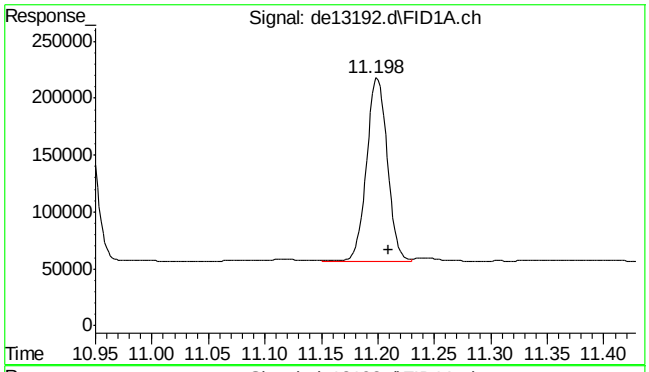
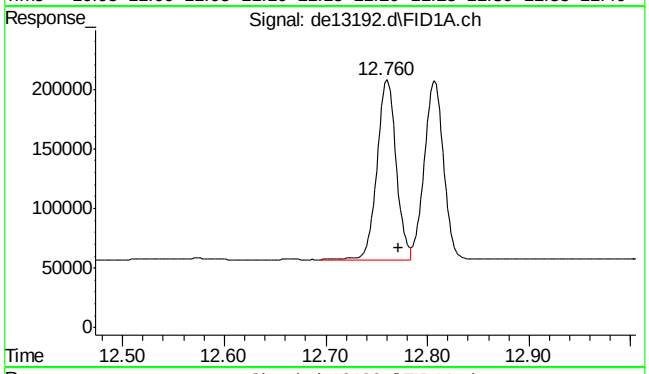


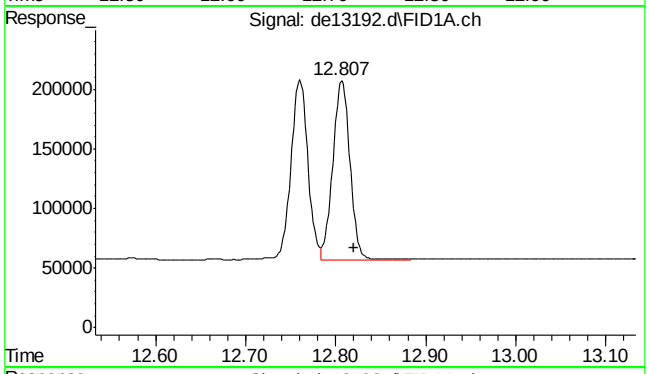
#13 pyrene

R.T.: 11.198 min
Delta R.T.: -0.012 min
Response: 206224
Conc: 1.97 µg/ml



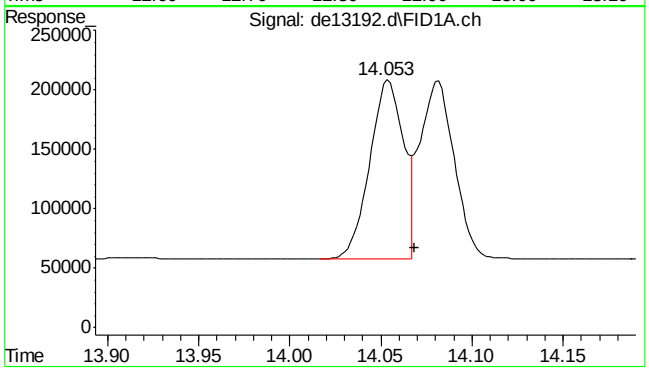
#14 benzo(a)anthracene

R.T.: 12.760 min
Delta R.T.: -0.012 min
Response: 197822
Conc: 2.01 µg/ml m



#15 chrysene

R.T.: 12.807 min
Delta R.T.: -0.013 min
Response: 197927
Conc: 1.99 µg/ml m



#16 benzo(B)fluoranthene

R.T.: 14.053 min
Delta R.T.: -0.015 min
Response: 197572
Conc: 1.94 µg/ml m

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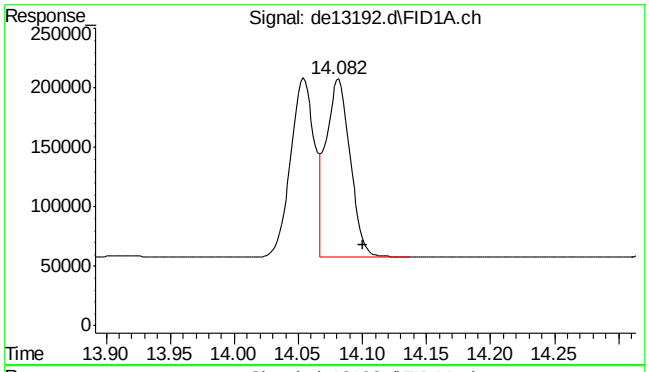
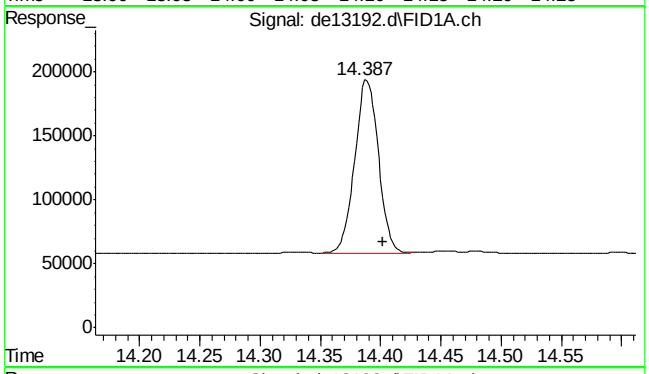


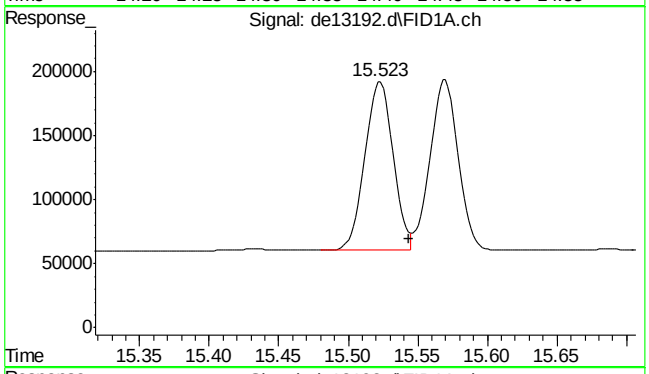
#17 benzo(k)fluoranthene

R.T.: 14.082 min
Delta R.T.: -0.018 min
Response: 193855
Conc: 1.99 µg/ml m



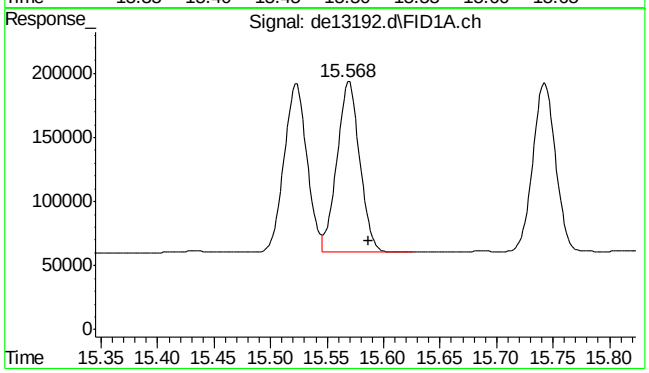
#18 benzo(a)pyrene

R.T.: 14.387 min
Delta R.T.: -0.015 min
Response: 184685
Conc: 1.91 µg/ml



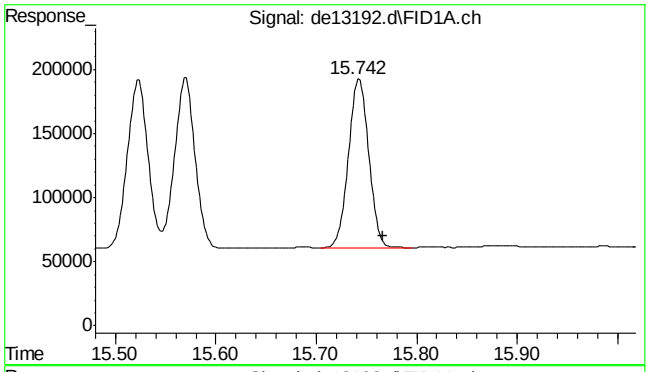
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.523 min
Delta R.T.: -0.020 min
Response: 186820
Conc: 1.91 µg/ml



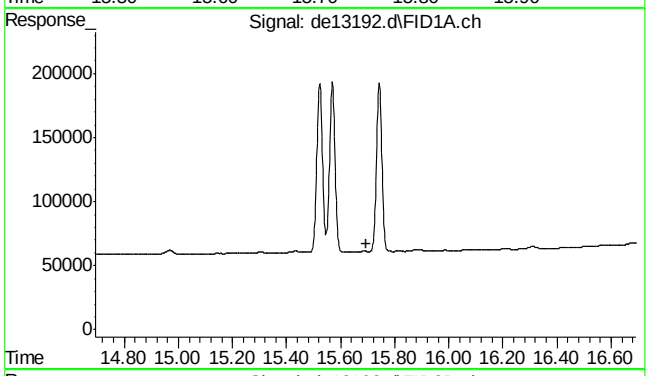
#20 dibenzo(ah)anthracene

R.T.: 15.568 min
Delta R.T.: -0.018 min
Response: 185980
Conc: 1.98 µg/ml



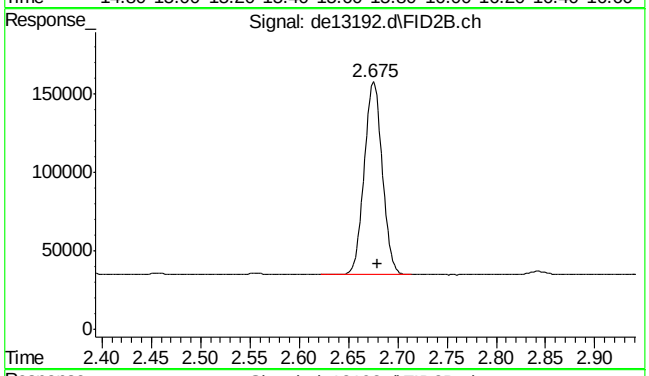
#21 benzo(ghi)perylene

R.T.: 15.742 min
Delta R.T.: -0.025 min
Response: 184915
Conc: 1.96 µg/ml



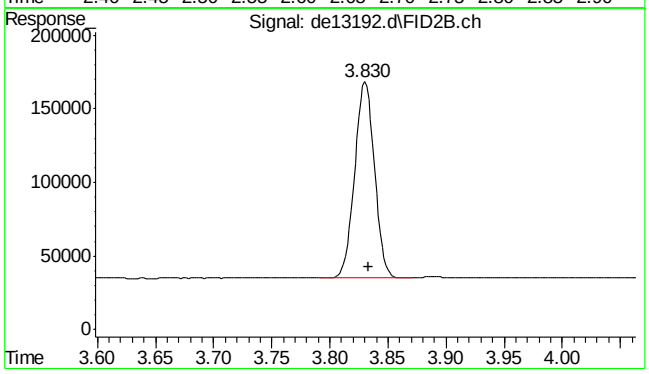
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 157422
Conc: 2.14 µg/ml m



#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 158649
Conc: 2.14 µg/ml m

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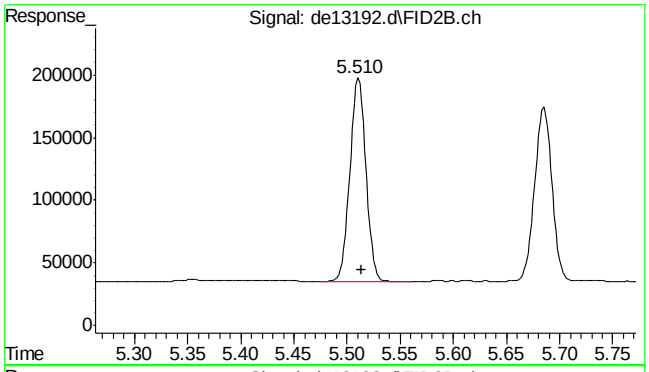
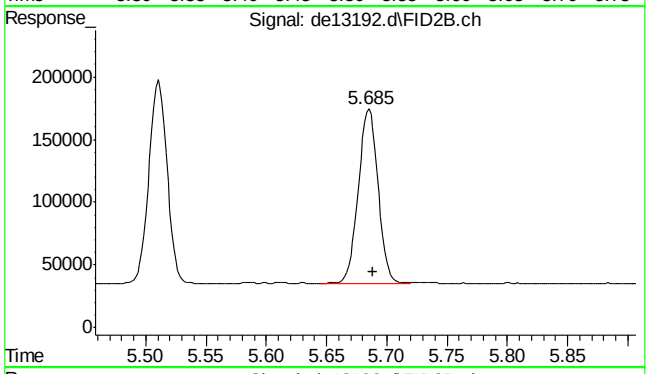


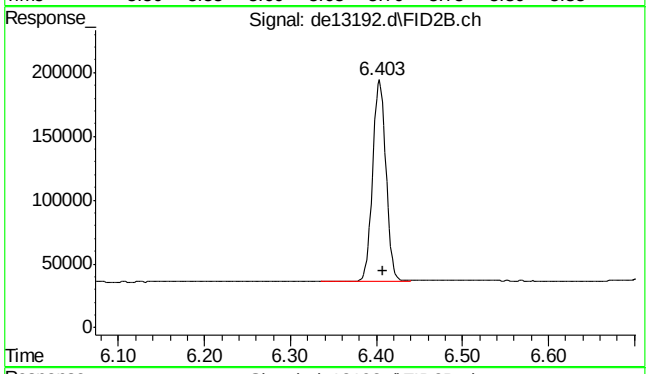
#27 naphthalene #2

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 169071
Conc: 2.18 µg/ml



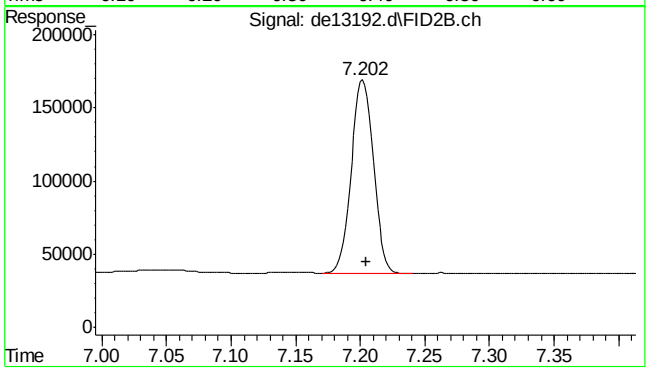
#28 c-12

R.T.: 5.685 min
Delta R.T.: -0.003 min
Response: 157764
Conc: 2.14 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.403 min
Delta R.T.: -0.005 min
Response: 172009
Conc: 2.15 µg/ml



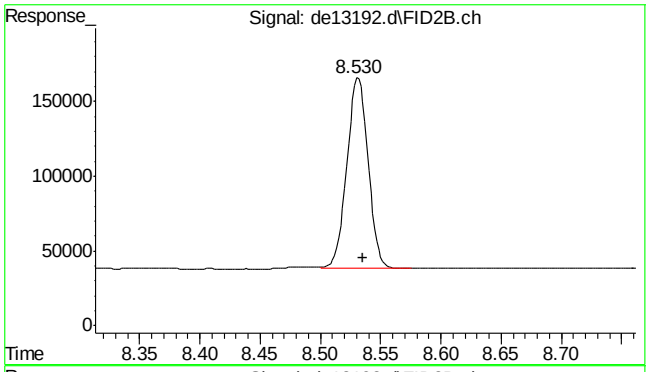
#30 c-14

R.T.: 7.202 min
Delta R.T.: -0.003 min
Response: 157636
Conc: 2.13 µg/ml

9.4.2

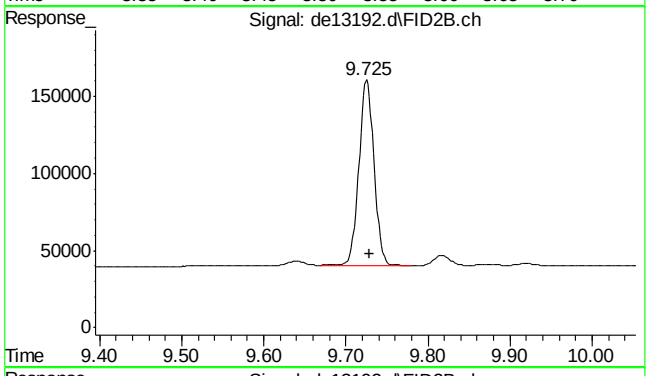
9

SGS ACCUTEST MC45857



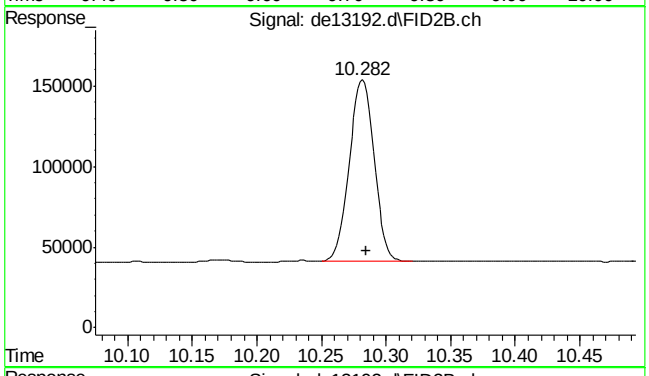
#31 c-16

R.T.: 8.530 min
Delta R.T.: -0.005 min
Response: 156773
Conc: 2.12 µg/ml



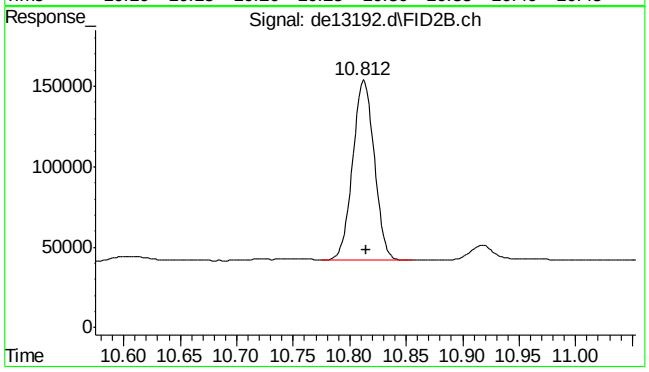
#32 c-18

R.T.: 9.725 min
Delta R.T.: -0.003 min
Response: 154646
Conc: 2.11 µg/ml



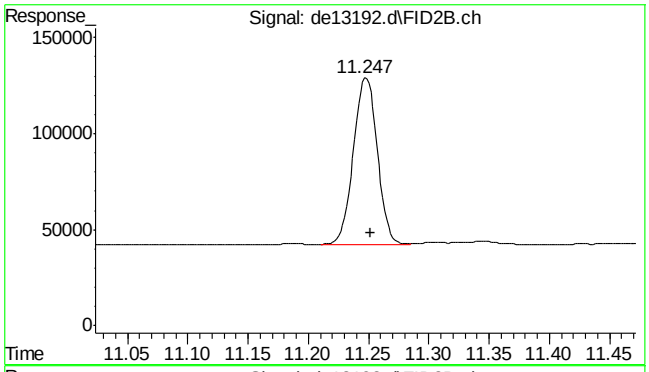
#33 c-19

R.T.: 10.282 min
Delta R.T.: -0.003 min
Response: 151034
Conc: 2.13 µg/ml



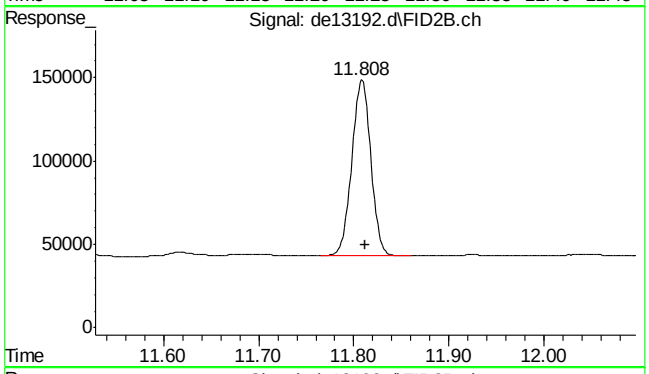
#34 c-20

R.T.: 10.812 min
Delta R.T.: -0.003 min
Response: 148378
Conc: 2.13 µg/ml



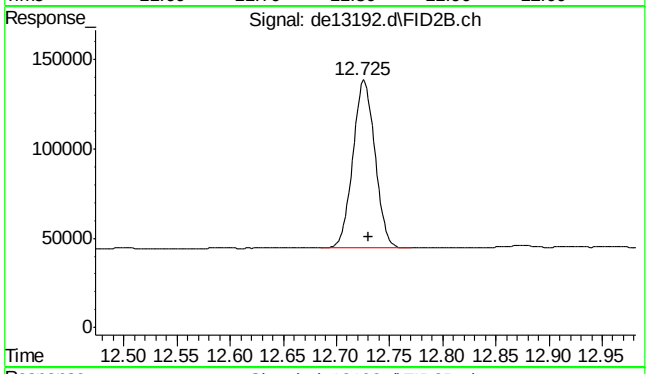
#35 1-chlorooctadecane

R.T.: 11.247 min
Delta R.T.: -0.005 min
Response: 119513
Conc: 2.17 µg/ml



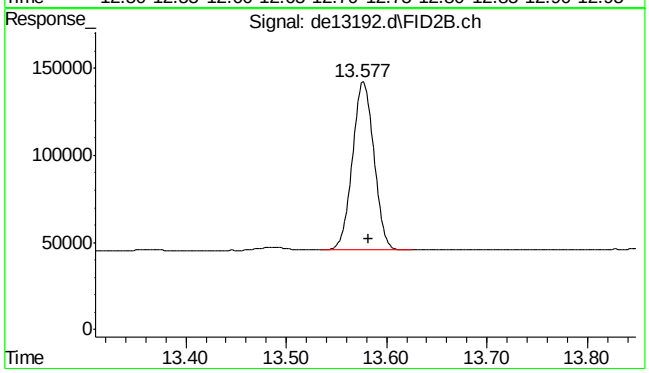
#36 c-22

R.T.: 11.808 min
Delta R.T.: -0.003 min
Response: 146070
Conc: 2.12 µg/ml



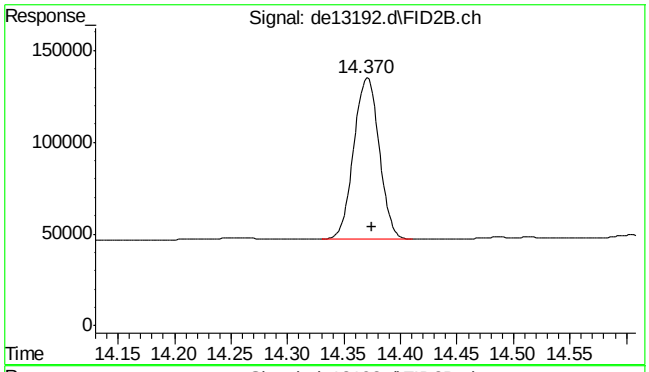
#37 c-24

R.T.: 12.725 min
Delta R.T.: -0.005 min
Response: 135579
Conc: 2.05 µg/ml



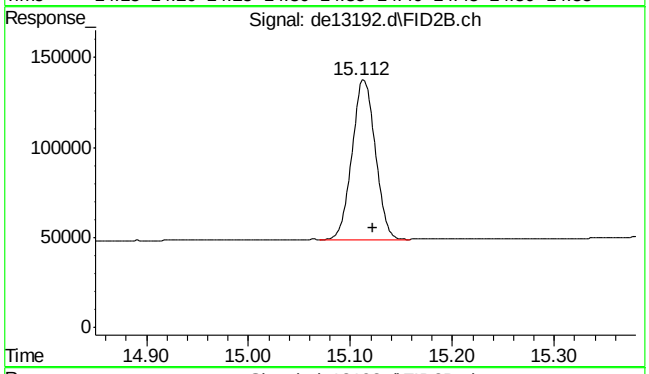
#38 c-26

R.T.: 13.577 min
Delta R.T.: -0.005 min
Response: 142920
Conc: 2.09 µg/ml



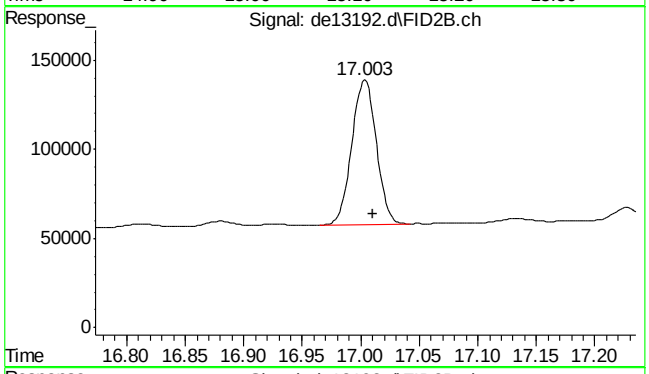
#39 c-28

R.T.: 14.370 min
Delta R.T.: -0.005 min
Response: 137233
Conc: 2.06 µg/ml



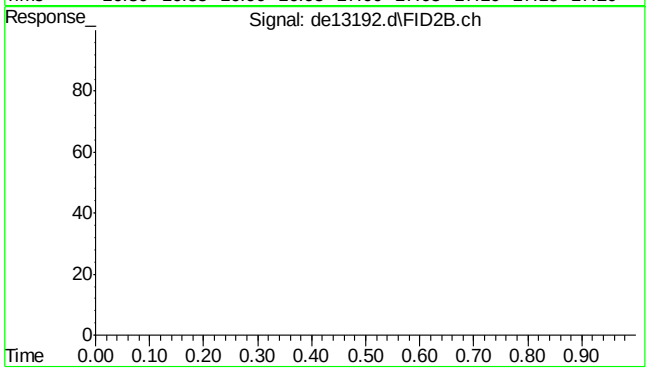
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 139197
Conc: 2.04 µg/ml m



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 119416
Conc: 1.93 µg/ml m



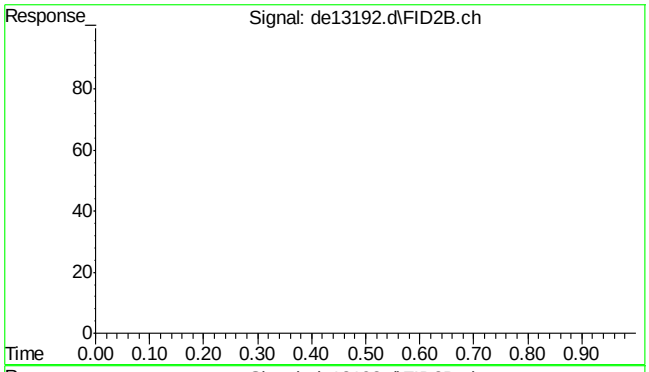
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.2

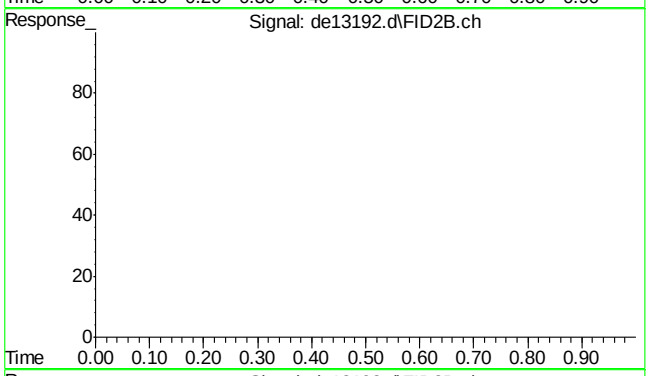
9

SGS ACCUTEST MC45857



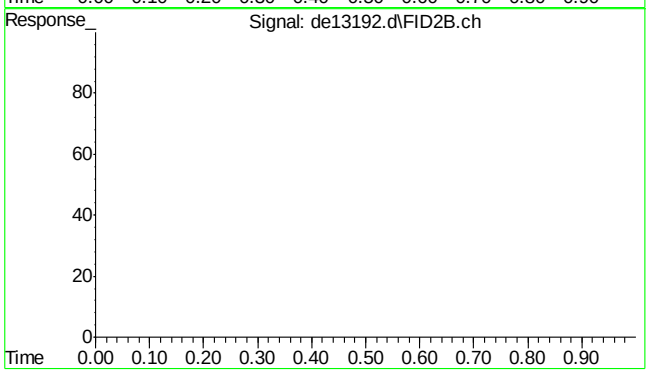
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

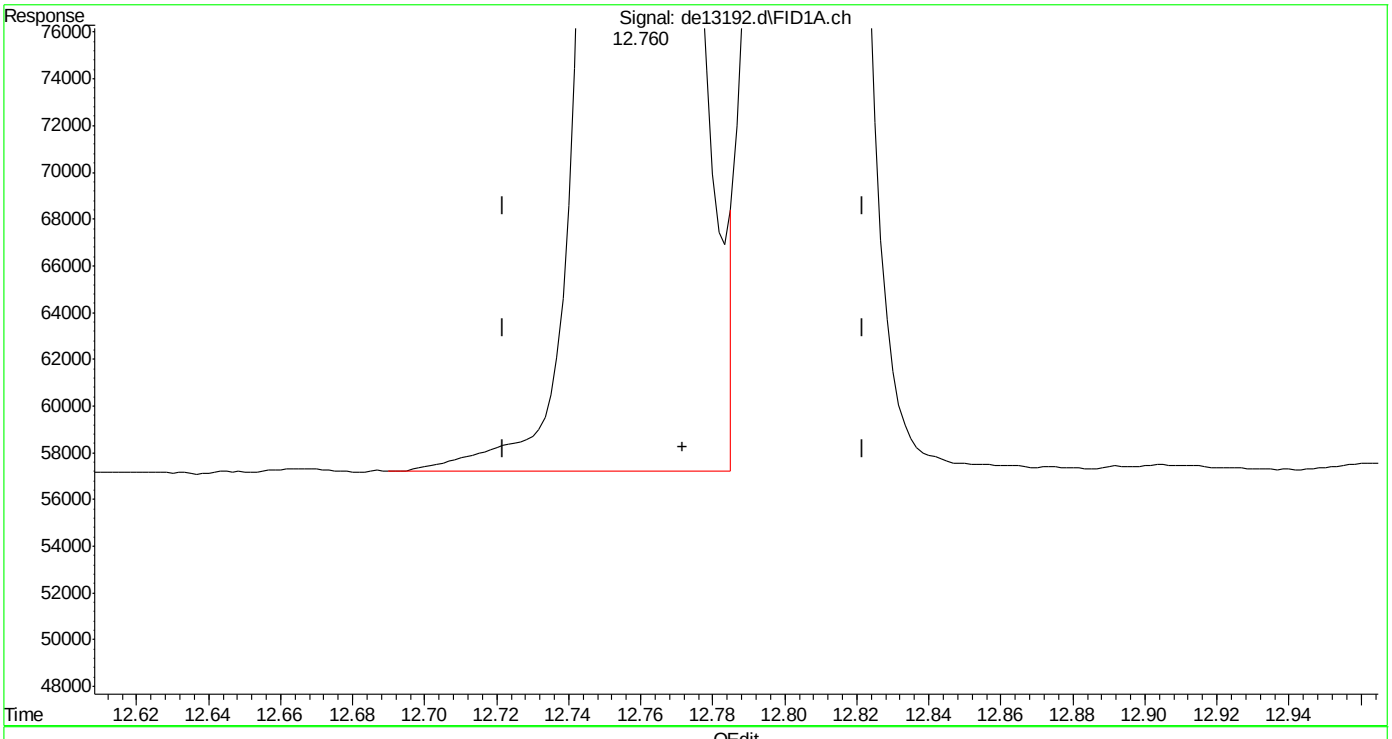
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.760min 2.018 µg/ml
response 198598

(+) = Expected Retention Time

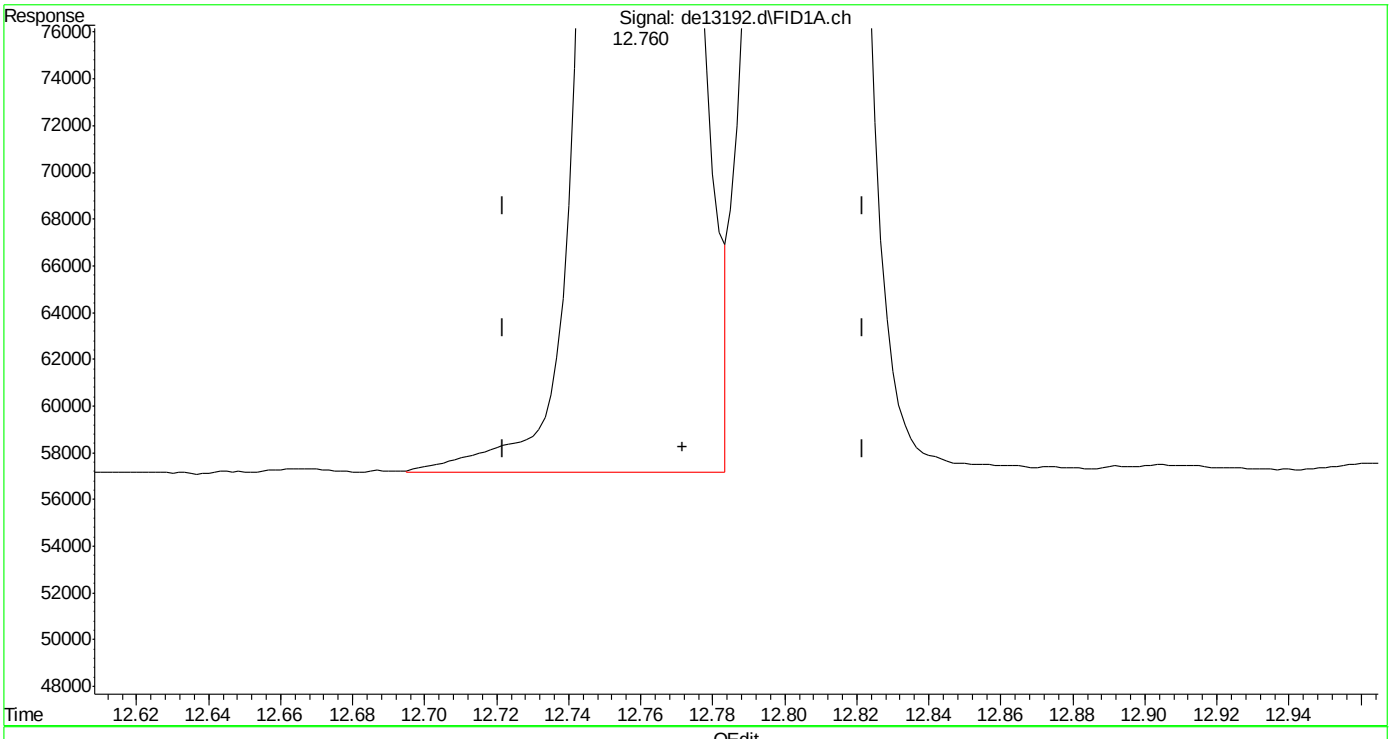
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.760min 2.010 µg/ml m
response 197822

(+) = Expected Retention Time

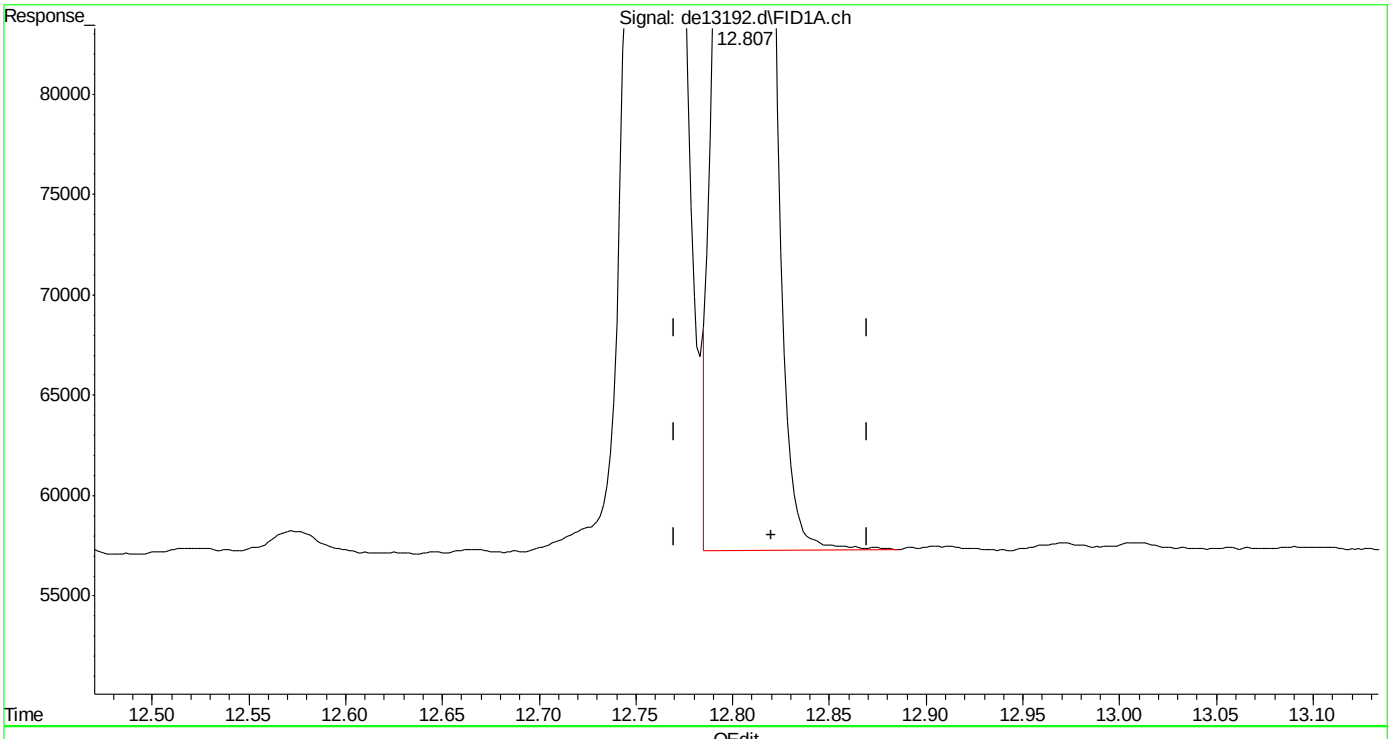
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.807min 1.977 µg/ml
response 196356

(+) = Expected Retention Time

EPH160204M.M Fri Feb 05 10:39:49 2016

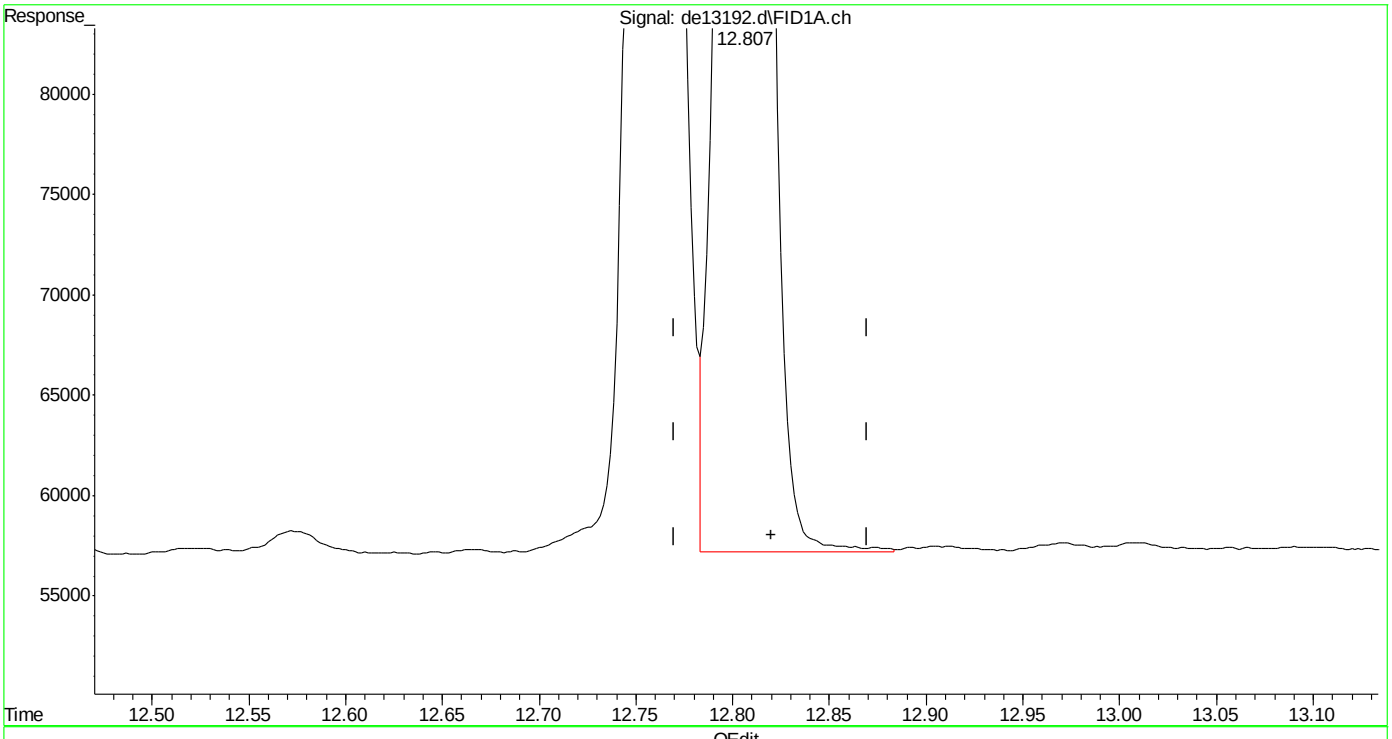
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.807min 1.992 µg/ml m
response 197927

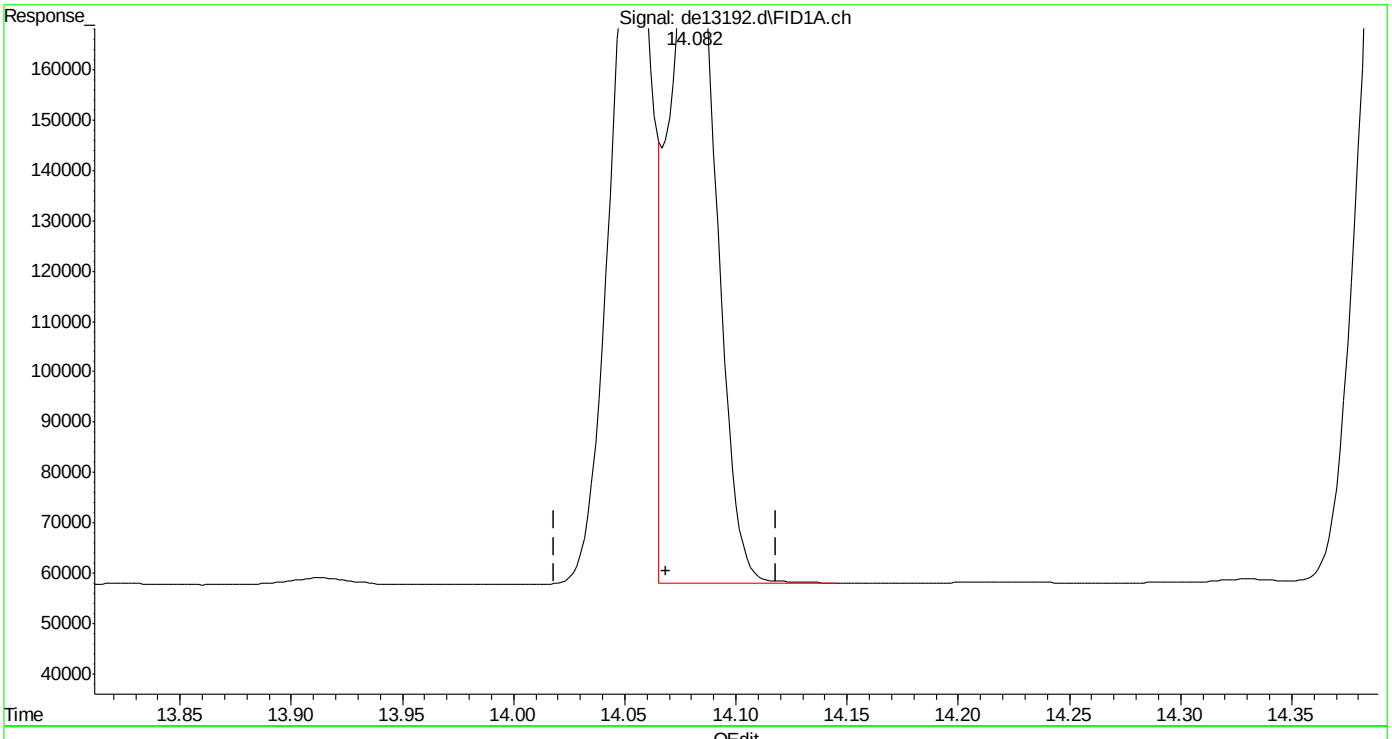
(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:40:19 2016

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.082min 1.990 µg/ml
response 202408

(+) = Expected Retention Time

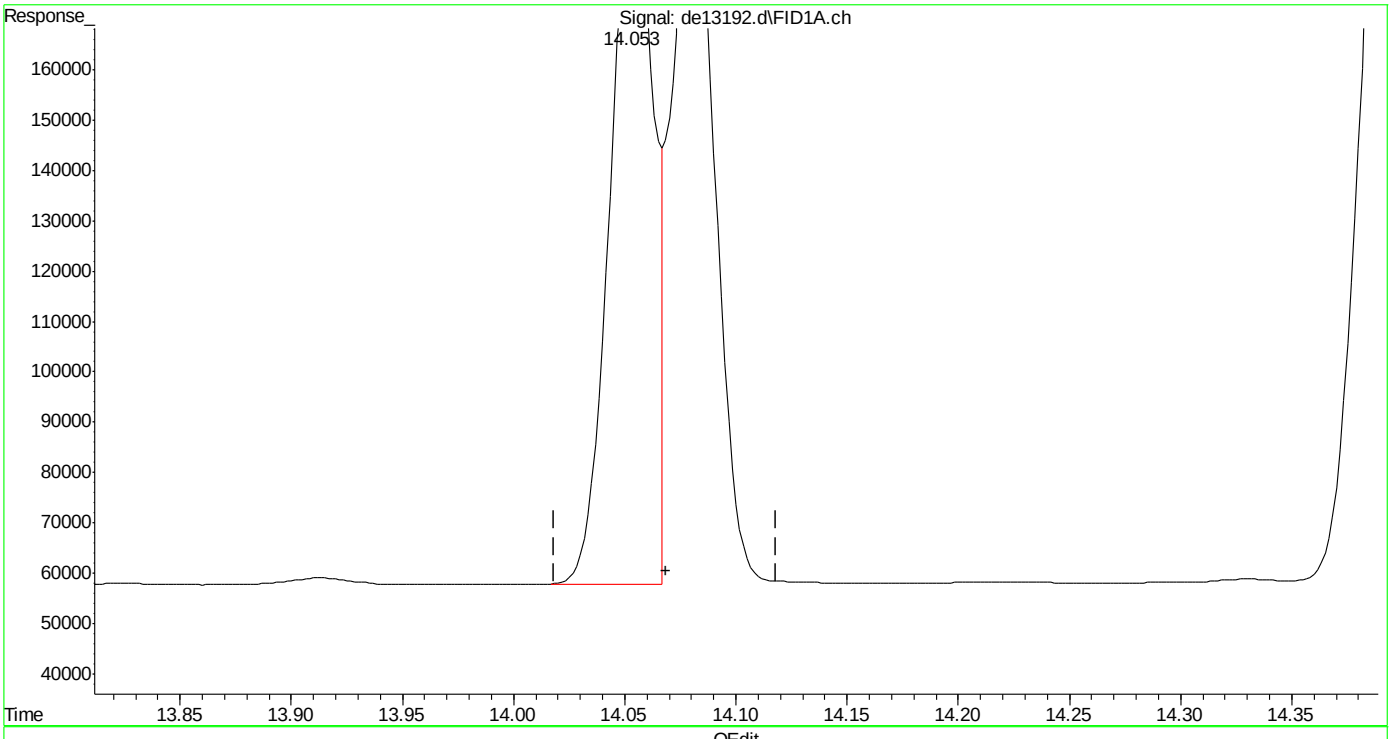
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.053min 1.943 µg/ml m
response 197572

(+) = Expected Retention Time

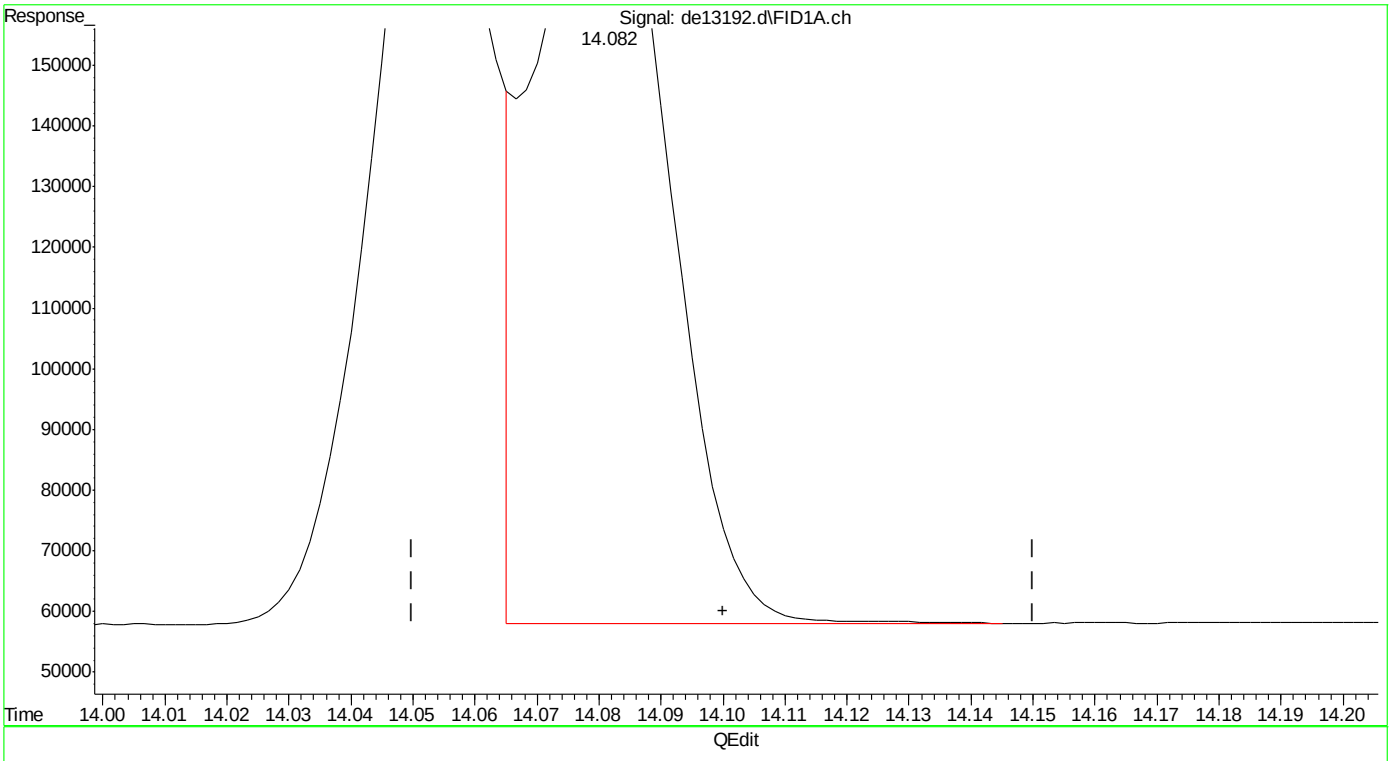
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.082min 2.077 µg/ml
response 202408

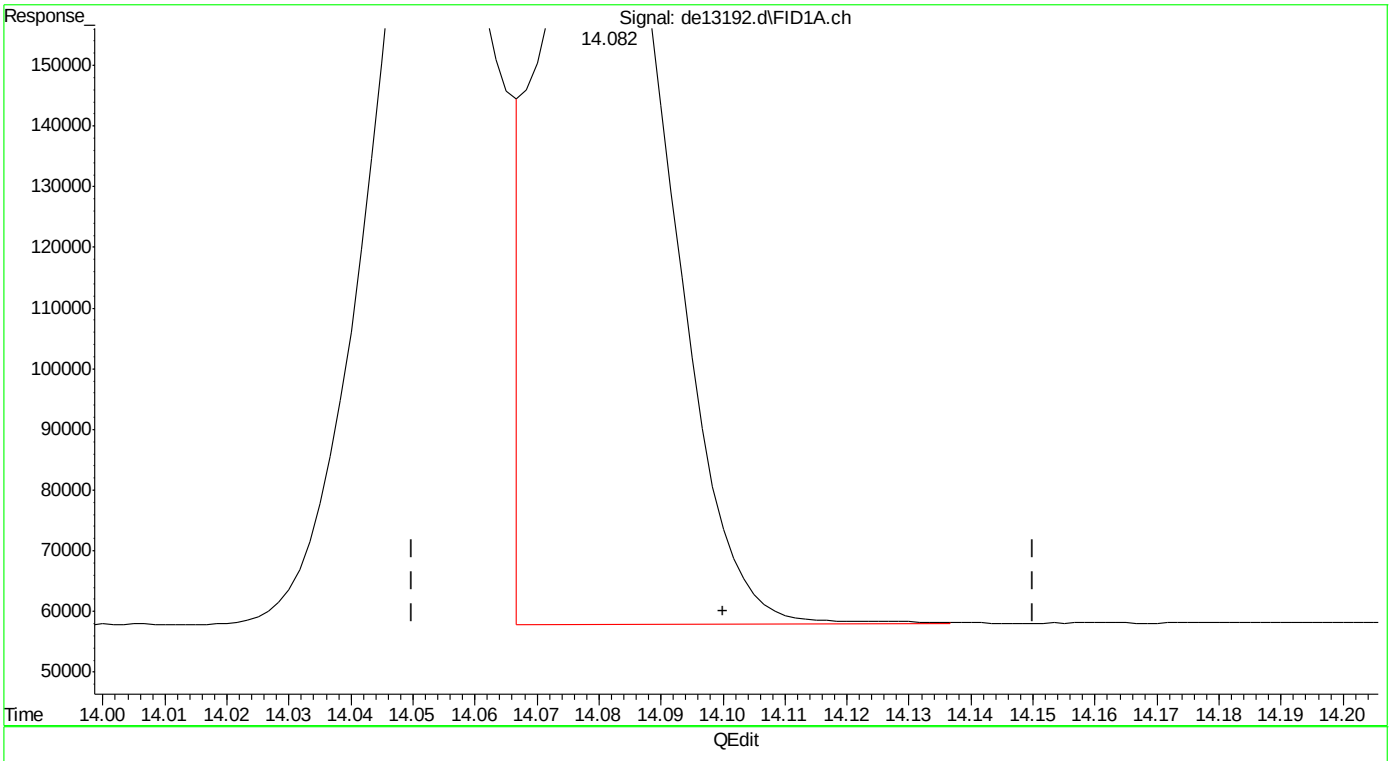
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.082min 1.989 µg/ml m
response 193855

(+) = Expected Retention Time

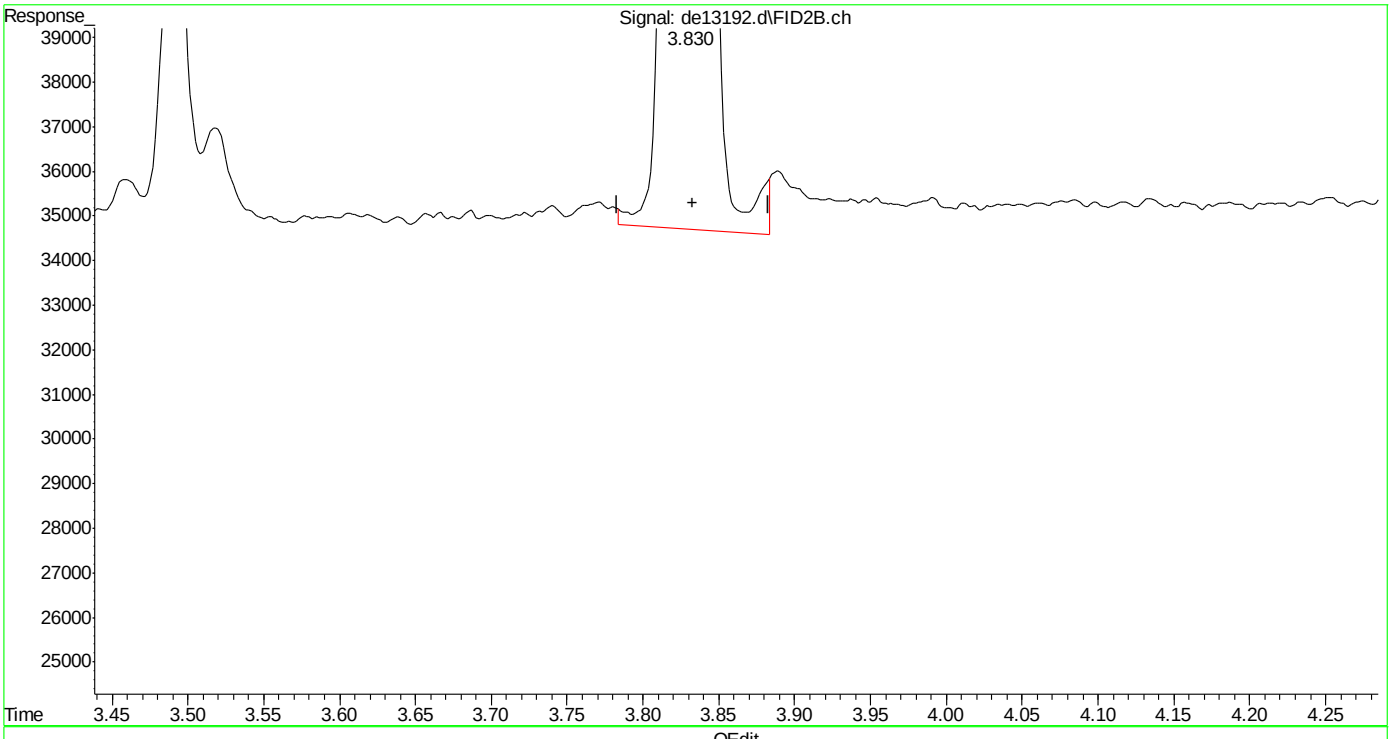
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) c-10 (h)
3.833min 2.166 µg/ml
response 160700

(+) = Expected Retention Time

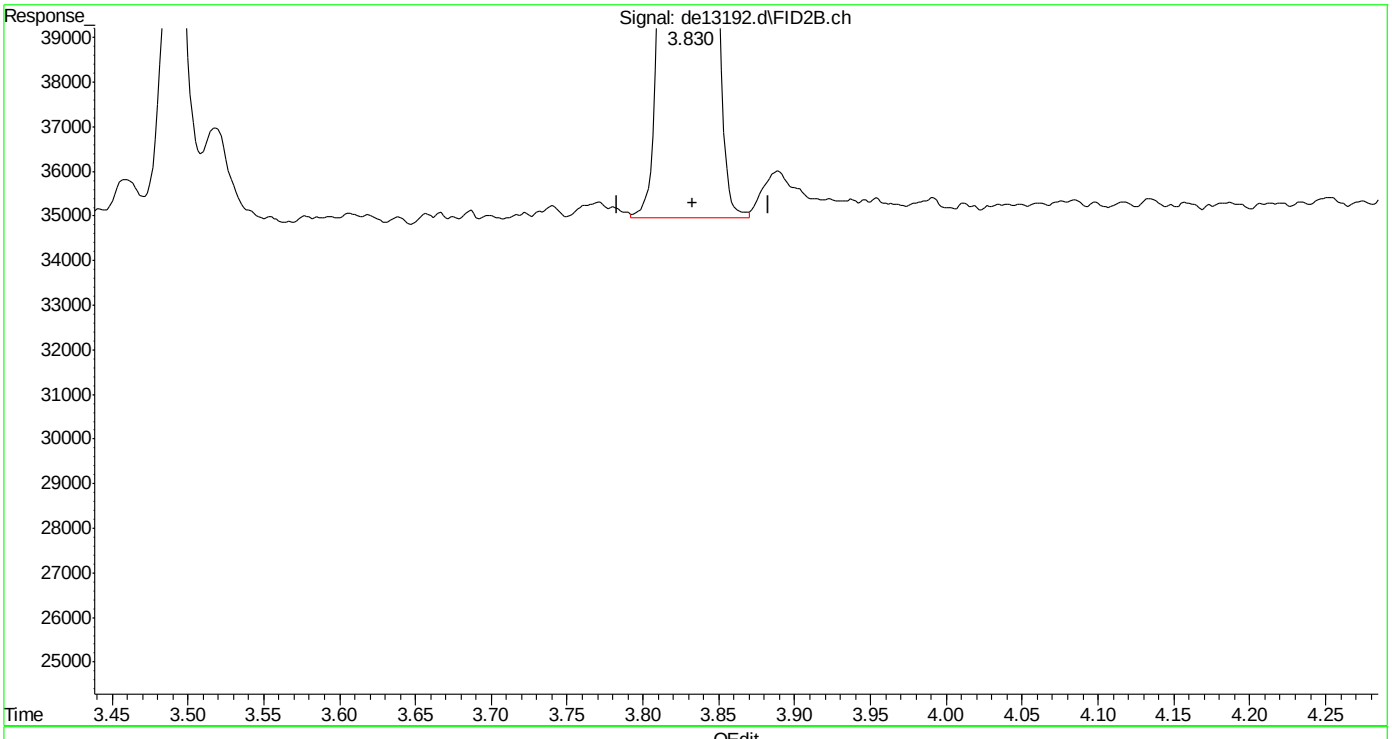
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(26) c-10 (h)
3.833min 2.139 µg/ml m
response 158649

(+) = Expected Retention Time

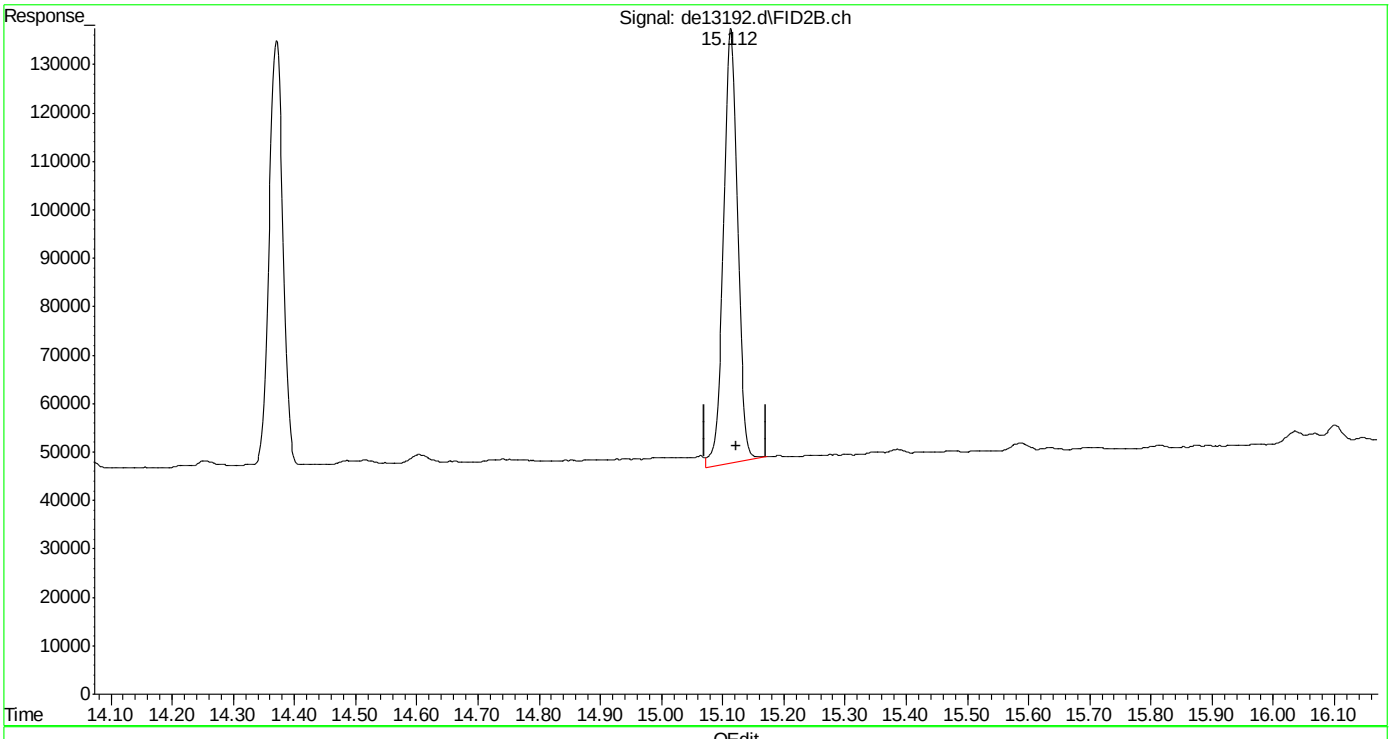
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 2.133 µg/ml
response 145740

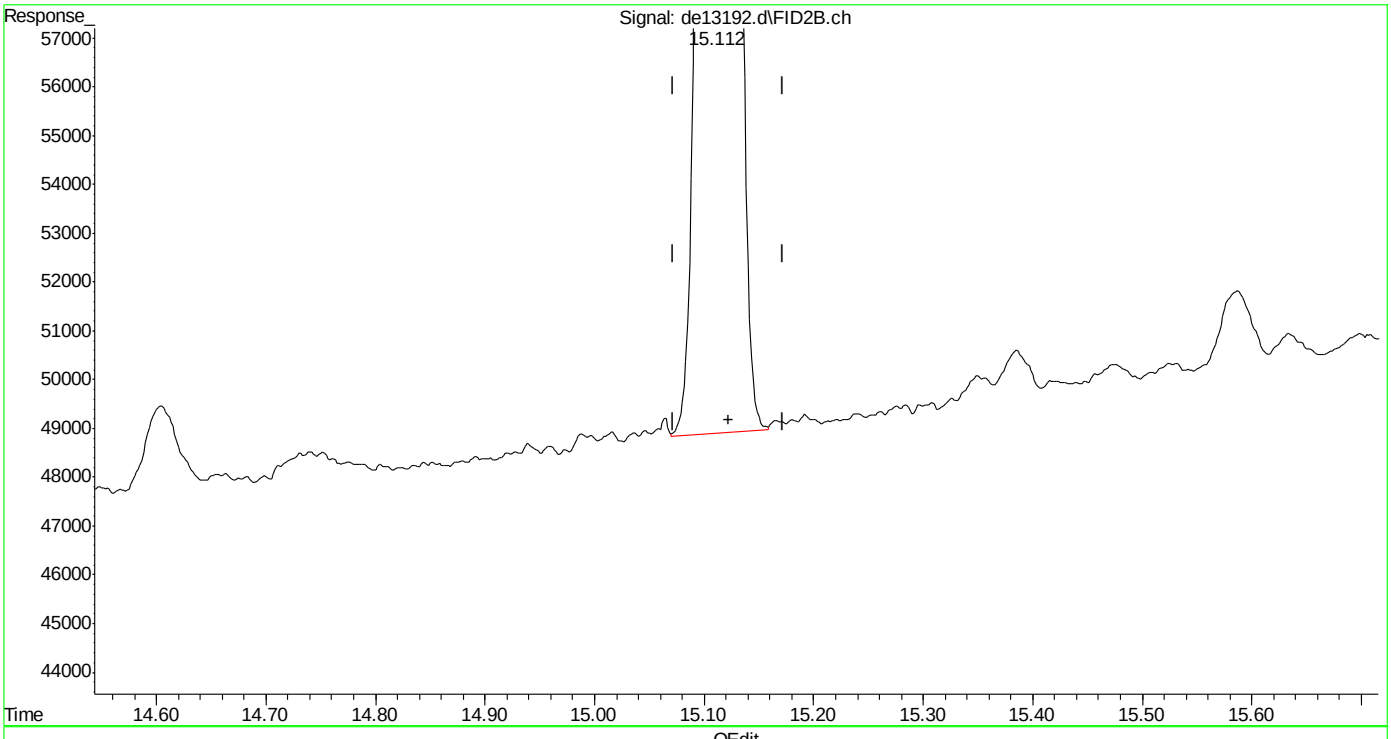
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 2.037 µg/ml m
response 139197

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:41:28 2016

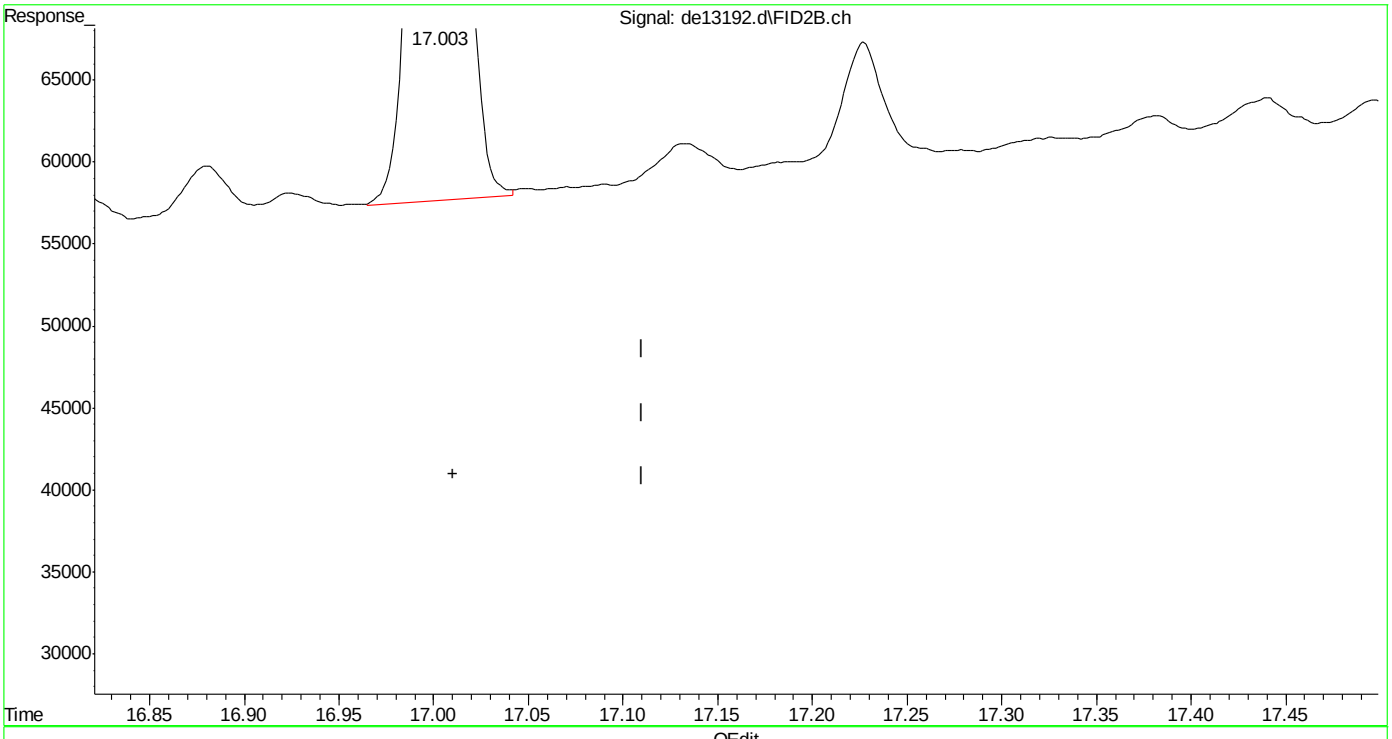
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13192.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 4:36 pm
Operator : thomasa
Sample : ic735-2
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:38:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:38:37 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(41) c-36 (h)
17.010min 1.930 µg/ml m
response 119416

(+) = Expected Retention Time

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:46:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.800	466222	4.822 µg/ml
Spiked Amount 20.000 Range 8 - 28 Recovery = 24.11%			
6) s 2-bromonaphthalene	7.532	318410	4.852 µg/ml
Spiked Amount 20.000 Range 8 - 28 Recovery = 24.26%			
11) s o-terphenyl	10.078	516185	4.888 µg/ml
Spiked Amount 20.000 Range 8 - 28 Recovery = 24.44%			
35) s 1-chlorooctadecane	11.248	298238	5.342 µg/ml
Spiked Amount 20.000 Range 8 - 28 Recovery = 26.71%			
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	9069374	5.748 µg/mlm
2) naphthalene	5.352	522941	4.813 µg/ml
3) 2-methylnaphthalene	6.250	518620	4.819 µg/ml
5) acenaphthylene	7.367	513706	4.852 µg/ml
7) acenaphthene	7.608	524765	4.857 µg/ml
8) fluorene	8.252	515691	4.866 µg/ml
9) phenanthrene	9.435	514273	4.881 µg/ml
10) anthracene	9.492	492058	5.024 µg/ml
12) fluoranthene	10.942	501463	4.866 µg/ml
13) pyrene	11.200	505877	4.848 µg/ml
14) benzo(a)anthracene	12.762	484563	4.921 µg/mlm
15) chrysene	12.807	488834	4.923 µg/mlm
16) benzo(B)fluoranthene	14.055	499942	4.931 µg/mlm
17) benzo(k)fluoranthene	14.085	474469	4.875 µg/mlm
18) benzo(a)pyrene	14.390	464216	4.850 µg/ml
19) indeno(1,2,3-cd)pyrene	15.525	472235	4.822 µg/mlm
20) dibenzo(ah)anthracene	15.572	466623	4.975 µg/mlm
21) benzo(ghi)perylene	15.745	463653	4.908 µg/ml
25) h c-9	2.680	396890	5.301 µg/mlm
26) h c-10	3.833	401630	5.322 µg/ml
27) naphthalene #2	5.510	427200	5.413 µg/ml
28) c-12	5.685	398273	5.304 µg/ml
29) 2-methylnaphthalene #2	6.403	429906	5.303 µg/ml
30) c-14	7.202	396429	5.271 µg/ml
31) c-16	8.532	389860	5.199 µg/ml
32) c-18	9.725	383929	5.164 µg/ml
33) c-19	10.282	381074	5.280 µg/ml
34) c-20	10.812	369620	5.213 µg/ml
36) c-22	11.808	364434	5.218 µg/ml
37) c-24	12.727	339349	5.097 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:46:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc Units
38)		c-26	13.578	359561	5.194 µg/ml
39)		c-28	14.372	345810	5.152 µg/ml
40)	h	c-30	15.122	345750	5.036 µg/mlm
41)	h	c-36	17.010	300895	4.906 µg/mlm

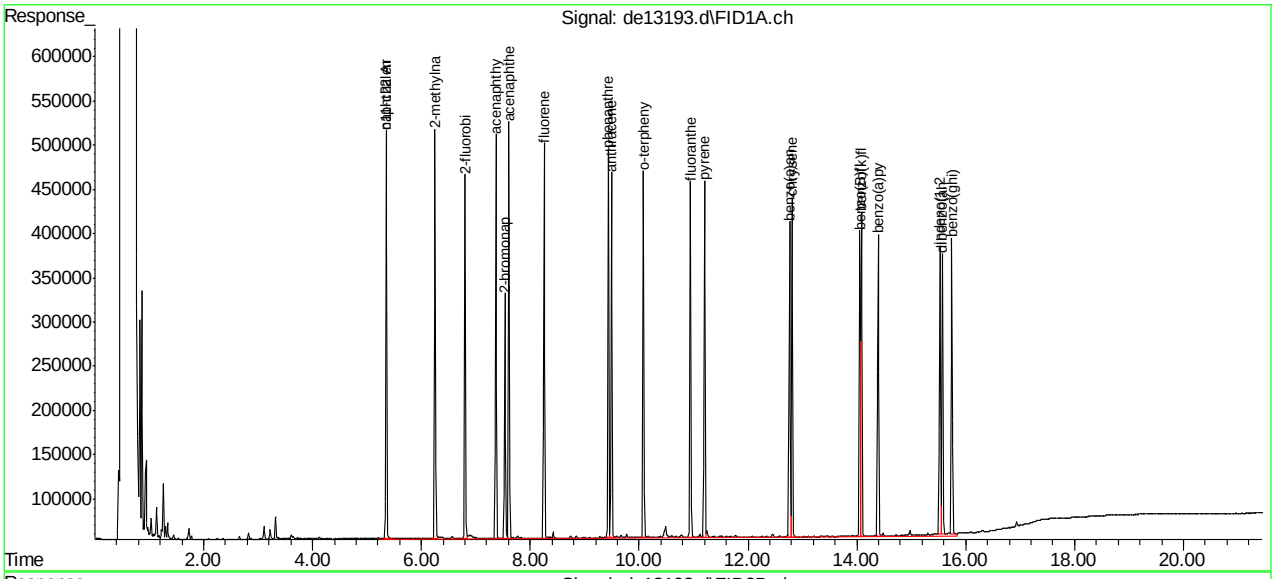
(f)=RT Delta > 1/2 Window (m)=manual int.

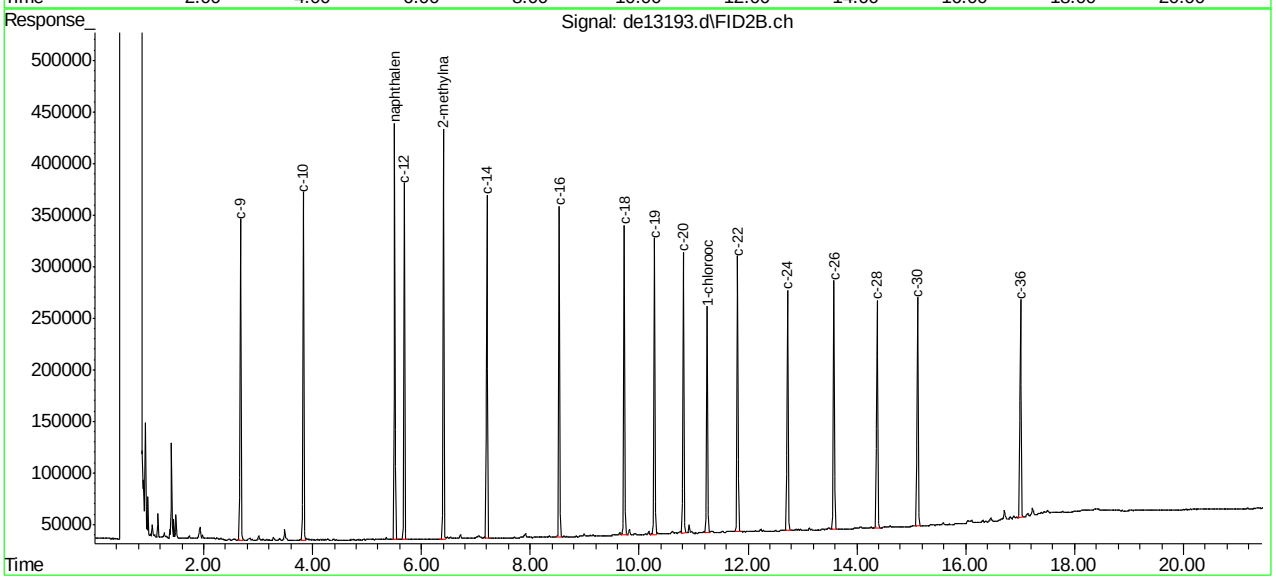
Quantitation Report (QT Reviewed)

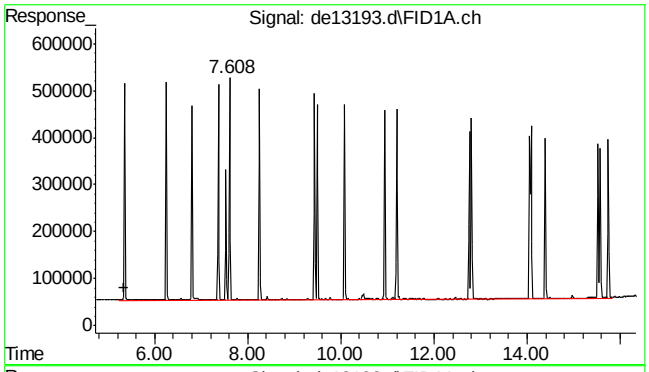
Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:46:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

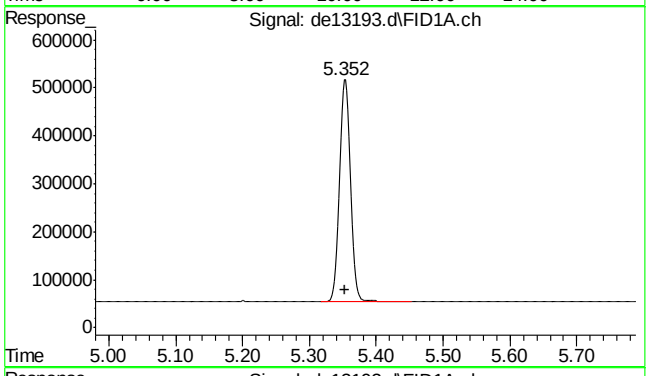






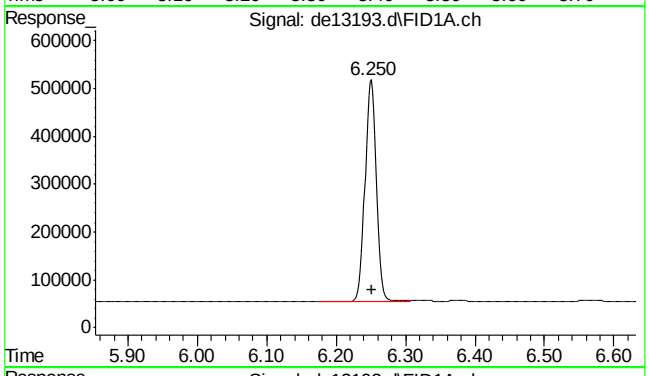
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 9069374
Conc: 5.75 µg/ml m



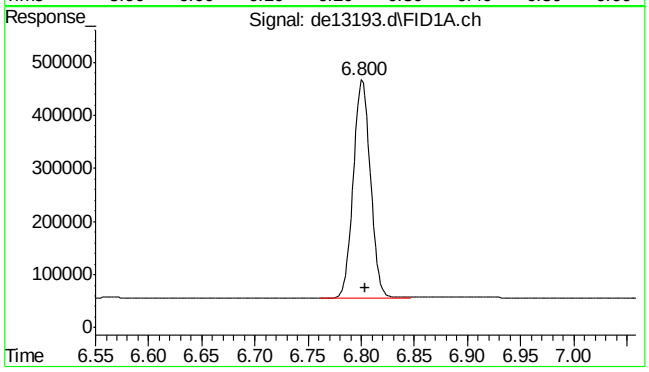
#2 naphthalene

R.T.: 5.352 min
Delta R.T.: -0.002 min
Response: 522941
Conc: 4.81 µg/ml



#3 2-methylnaphthalene

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 518620
Conc: 4.82 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.800 min
Delta R.T.: -0.003 min
Response: 466222
Conc: 4.82 µg/ml

9.4.3

9

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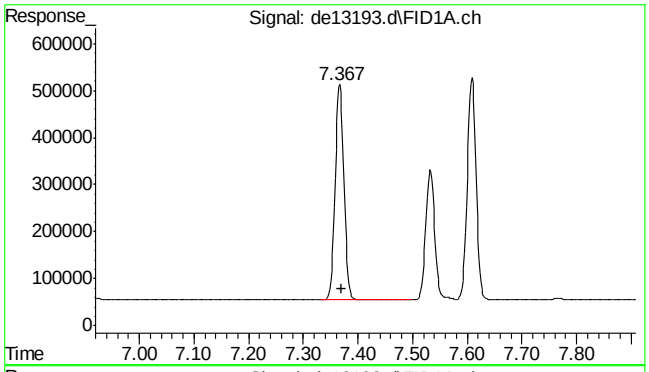
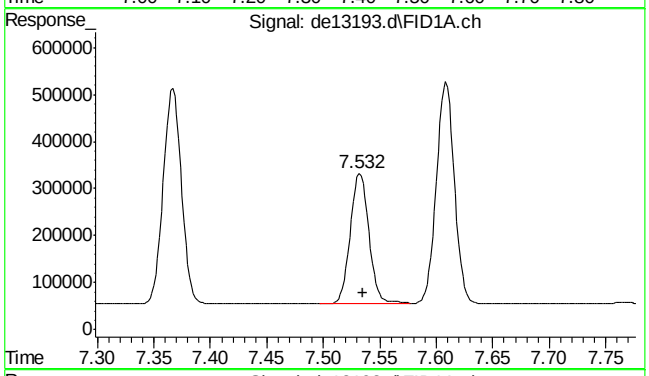


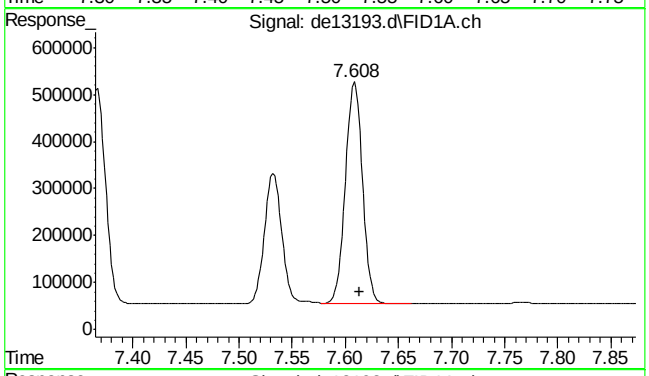
#5 acenaphthylene

R.T.: 7.367 min
Delta R.T.: -0.003 min
Response: 513706
Conc: 4.85 µg/ml



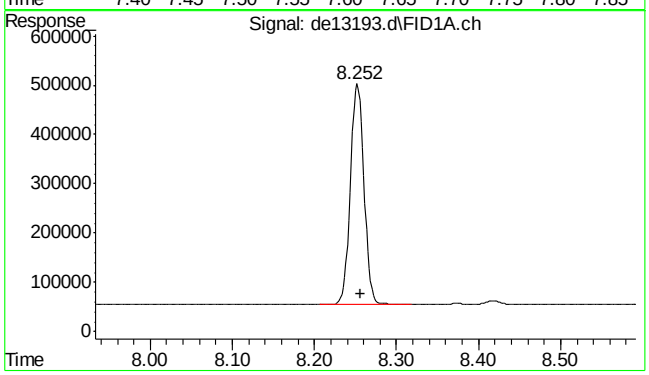
#6 2-bromonaphthalene

R.T.: 7.532 min
Delta R.T.: -0.003 min
Response: 318410
Conc: 4.85 µg/ml



#7 acenaphthene

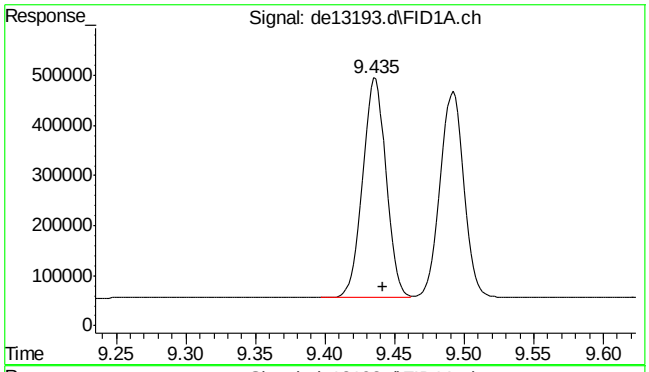
R.T.: 7.608 min
Delta R.T.: -0.005 min
Response: 524765
Conc: 4.86 µg/ml



#8 fluorene

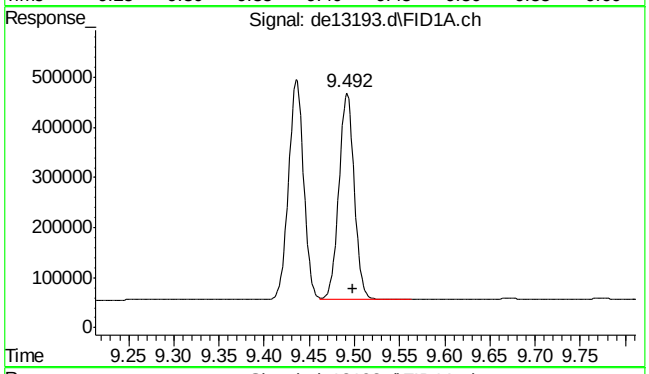
R.T.: 8.252 min
Delta R.T.: -0.005 min
Response: 515691
Conc: 4.87 µg/ml

SGS ACCUTEST MC45857



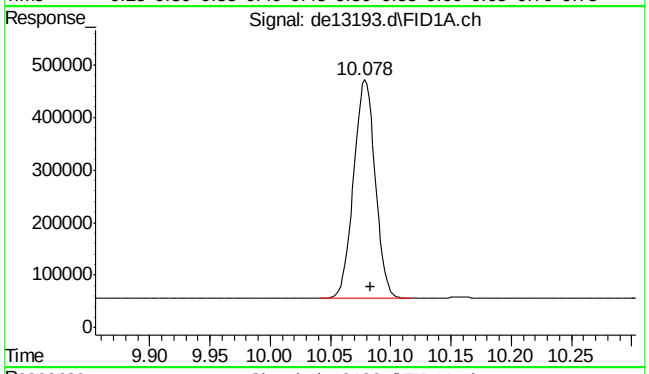
#9 phenanthrene

R.T.: 9.435 min
Delta R.T.: -0.007 min
Response: 514273
Conc: 4.88 µg/ml



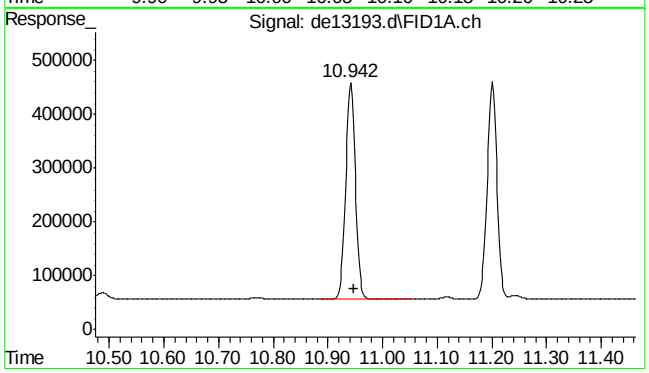
#10 anthracene

R.T.: 9.492 min
Delta R.T.: -0.007 min
Response: 492058
Conc: 5.02 µg/ml



#11 o-terphenyl

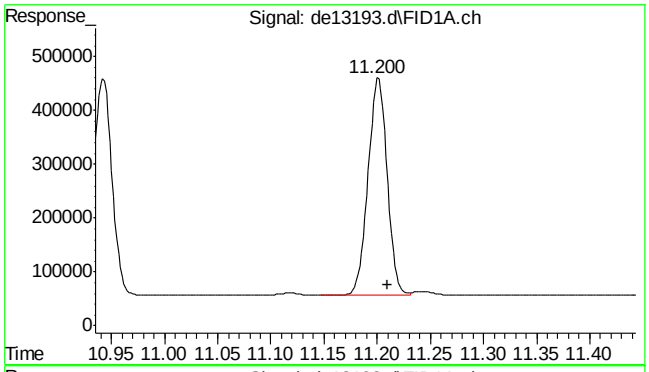
R.T.: 10.078 min
Delta R.T.: -0.005 min
Response: 516185
Conc: 4.89 µg/ml



#12 fluoranthene

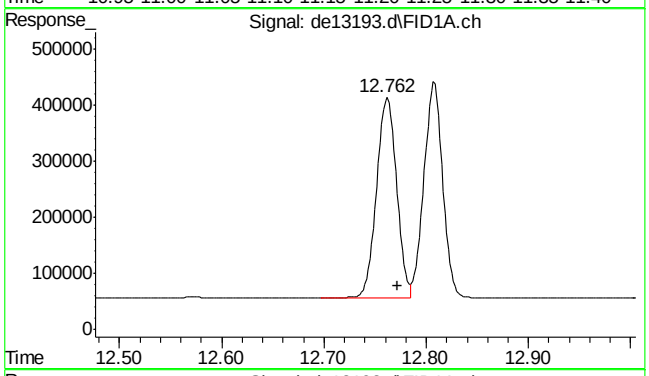
R.T.: 10.942 min
Delta R.T.: -0.007 min
Response: 501463
Conc: 4.87 µg/ml

SGS ACCUTEST MC45857



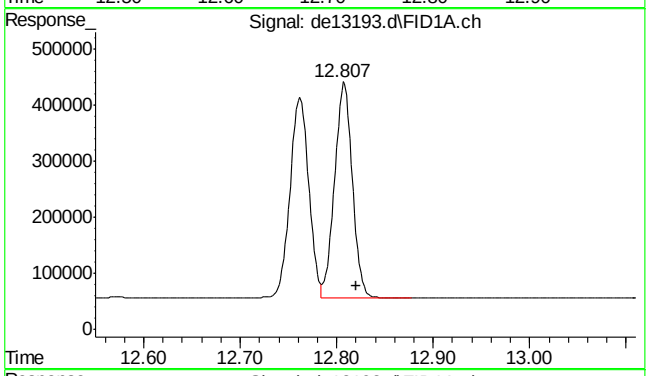
#13 pyrene

R.T.: 11.200 min
Delta R.T.: -0.010 min
Response: 505877
Conc: 4.85 µg/ml



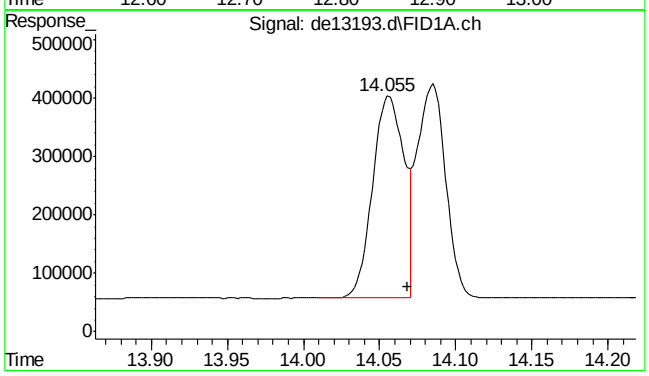
#14 benzo(a)anthracene

R.T.: 12.762 min
Delta R.T.: -0.010 min
Response: 484563
Conc: 4.92 µg/ml m



#15 chrysene

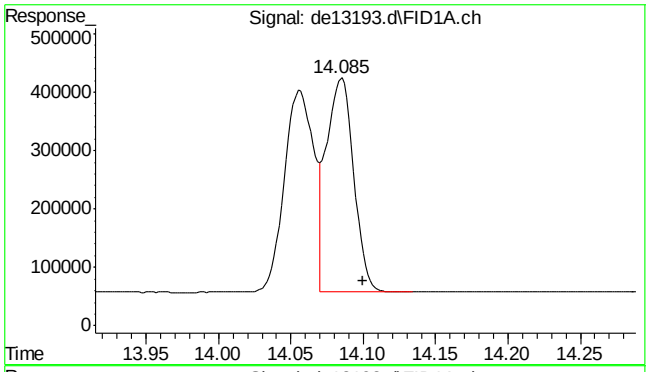
R.T.: 12.807 min
Delta R.T.: -0.013 min
Response: 488834
Conc: 4.92 µg/ml m



#16 benzo(B)fluoranthene

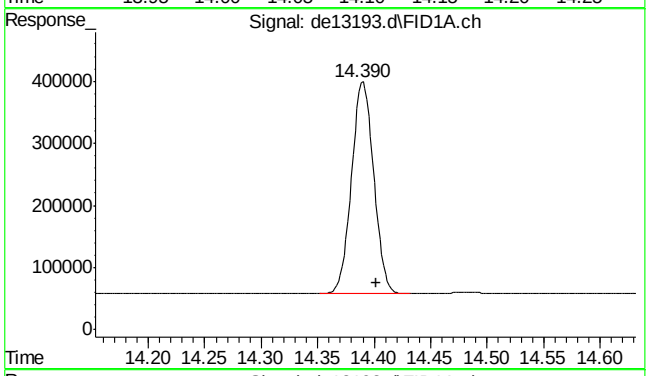
R.T.: 14.055 min
Delta R.T.: -0.013 min
Response: 499942
Conc: 4.93 µg/ml m

SGS ACCUTEST MC45857



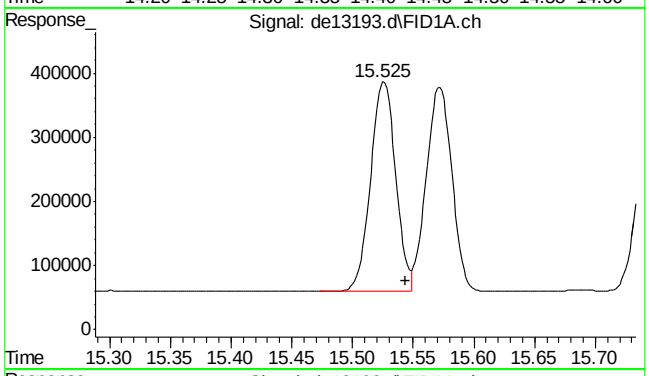
#17 benzo(k)fluoranthene

R.T.: 14.085 min
Delta R.T.: -0.015 min
Response: 474469
Conc: 4.88 µg/ml m



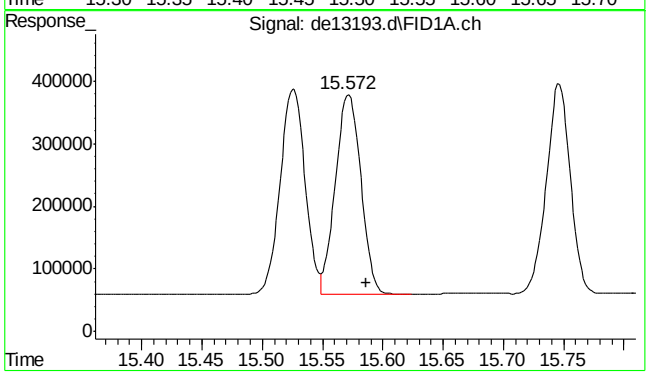
#18 benzo(a)pyrene

R.T.: 14.390 min
Delta R.T.: -0.012 min
Response: 464216
Conc: 4.85 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.525 min
Delta R.T.: -0.018 min
Response: 472235
Conc: 4.82 µg/ml m



#20 dibenzo(ah)anthracene

R.T.: 15.572 min
Delta R.T.: -0.015 min
Response: 466623
Conc: 4.97 µg/ml m

9.4.3

9

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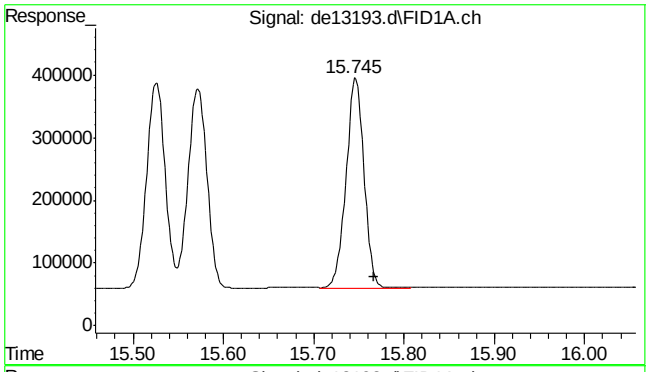
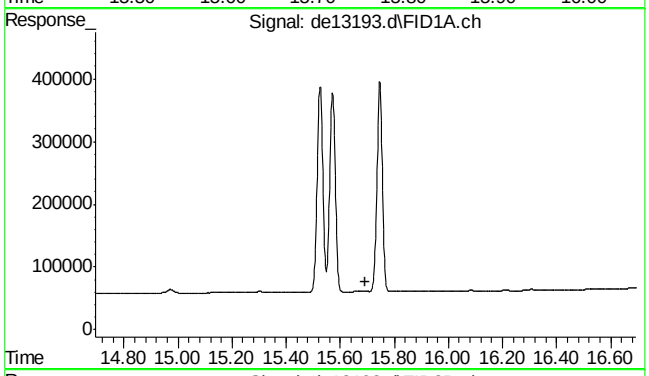


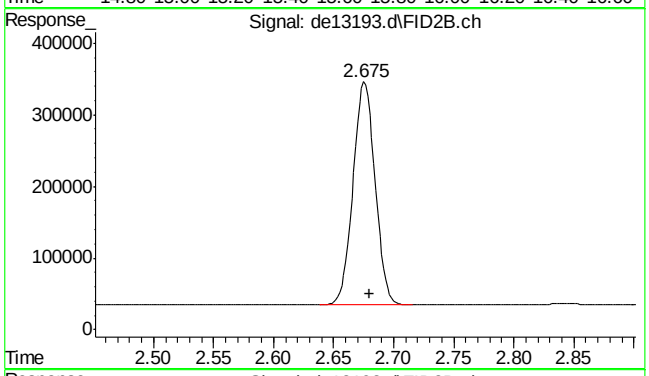
#21 benzo(ghi)perylene

R.T.: 15.745 min
Delta R.T.: -0.022 min
Response: 463653
Conc: 4.91 µg/ml



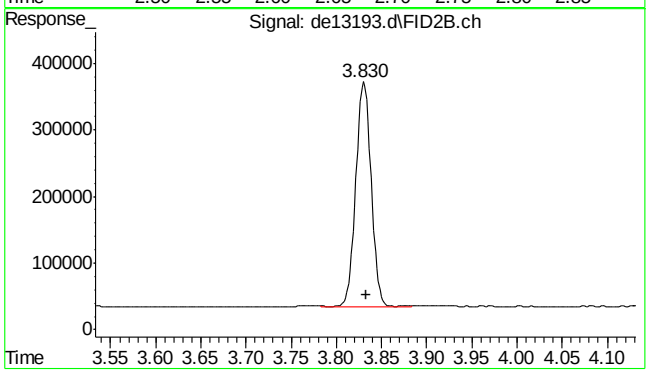
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

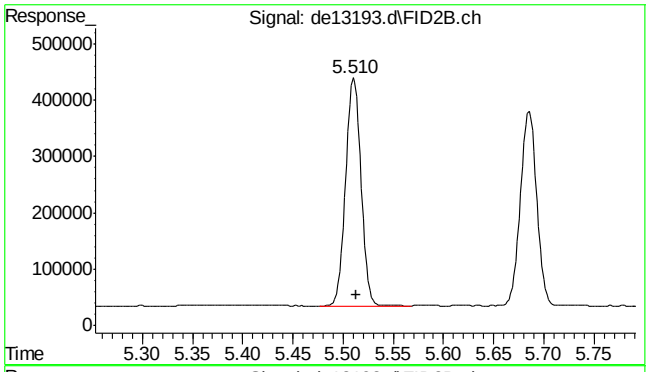
R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 396890
Conc: 5.30 µg/ml m



#26 c-10

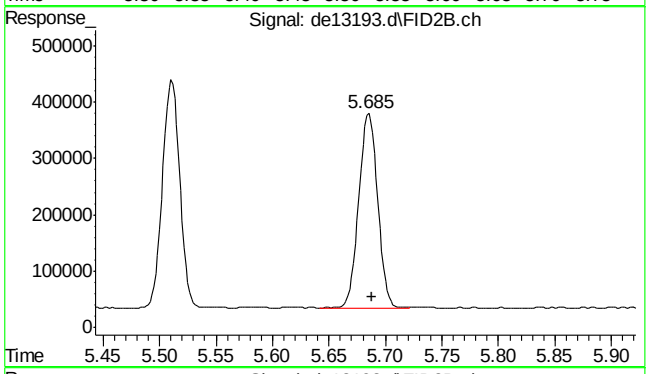
R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 401630
Conc: 5.32 µg/ml

SGS ACCUTEST MC45857



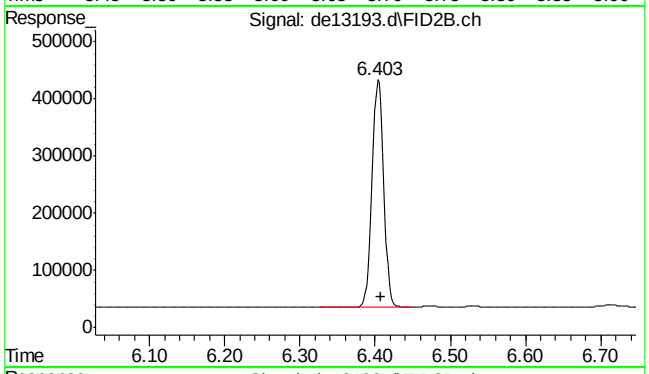
#27 naphthalene #2

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 427200
Conc: 5.41 µg/ml



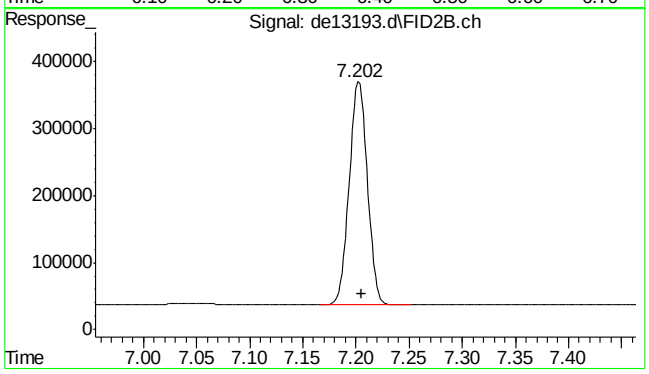
#28 c-12

R.T.: 5.685 min
Delta R.T.: -0.003 min
Response: 398273
Conc: 5.30 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.403 min
Delta R.T.: -0.005 min
Response: 429906
Conc: 5.30 µg/ml



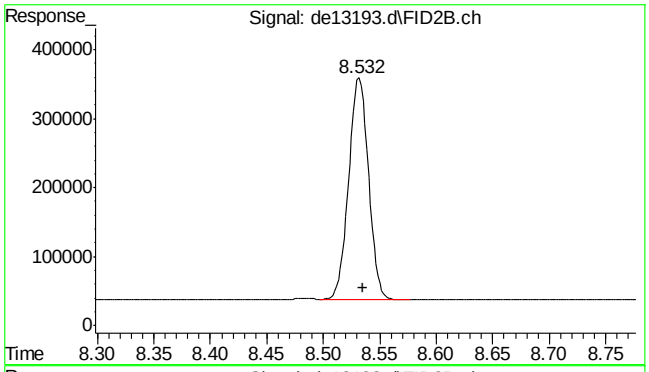
#30 c-14

R.T.: 7.202 min
Delta R.T.: -0.003 min
Response: 396429
Conc: 5.27 µg/ml

9.4.3

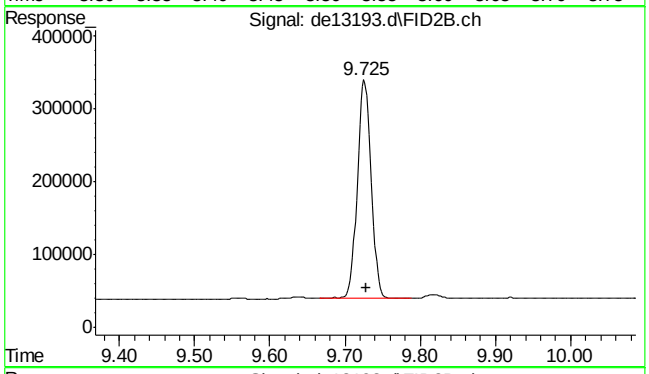
9

SGS ACCUTEST MC45857



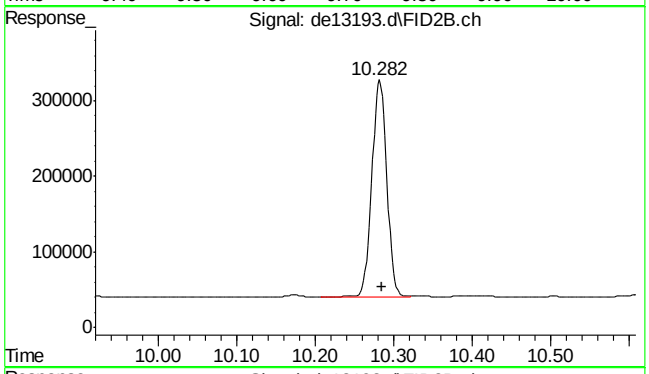
#31 c-16

R.T.: 8.532 min
Delta R.T.: -0.003 min
Response: 389860
Conc: 5.20 µg/ml



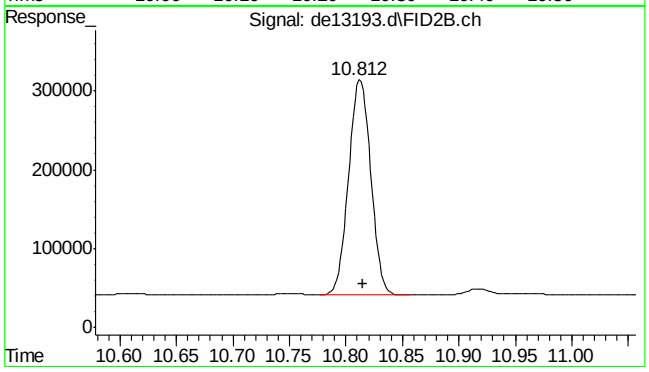
#32 c-18

R.T.: 9.725 min
Delta R.T.: -0.003 min
Response: 383929
Conc: 5.16 µg/ml



#33 c-19

R.T.: 10.282 min
Delta R.T.: -0.003 min
Response: 381074
Conc: 5.28 µg/ml



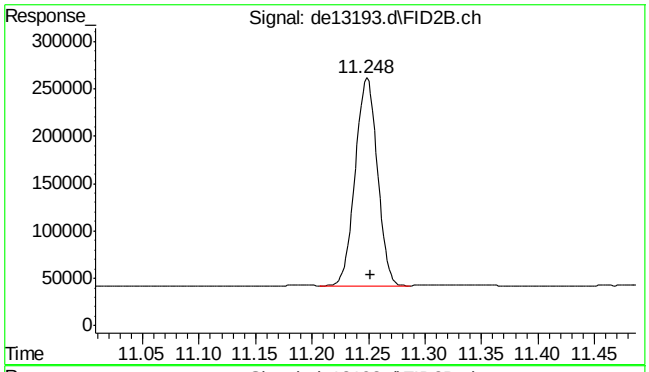
#34 c-20

R.T.: 10.812 min
Delta R.T.: -0.003 min
Response: 369620
Conc: 5.21 µg/ml

9.4.3

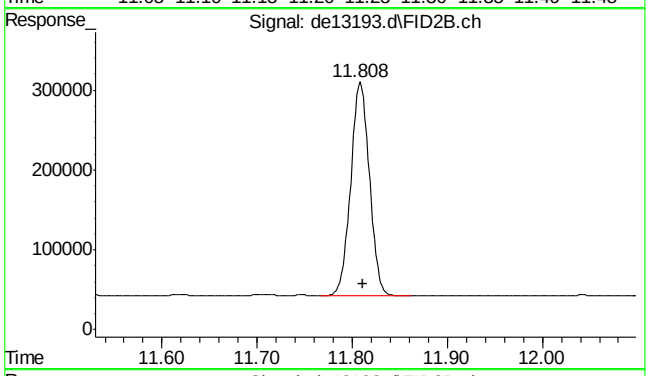
9

SGS ACCUTEST MC45857



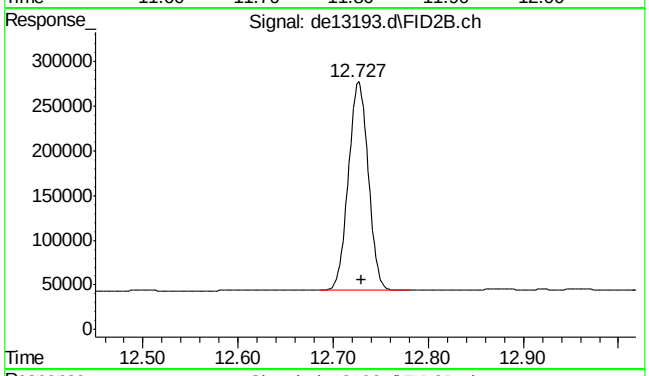
#35 1-chlorooctadecane

R.T.: 11.248 min
Delta R.T.: -0.003 min
Response: 298238
Conc: 5.34 µg/ml



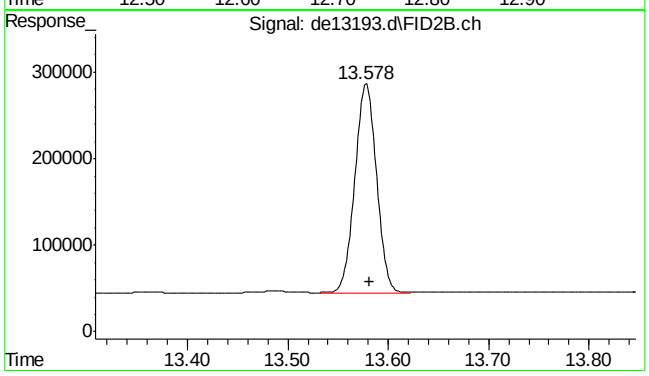
#36 c-22

R.T.: 11.808 min
Delta R.T.: -0.003 min
Response: 364434
Conc: 5.22 µg/ml



#37 c-24

R.T.: 12.727 min
Delta R.T.: -0.003 min
Response: 339349
Conc: 5.10 µg/ml



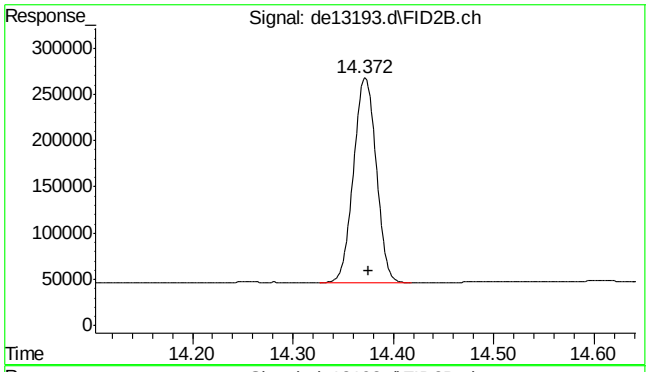
#38 c-26

R.T.: 13.578 min
Delta R.T.: -0.003 min
Response: 359561
Conc: 5.19 µg/ml

9.4.3

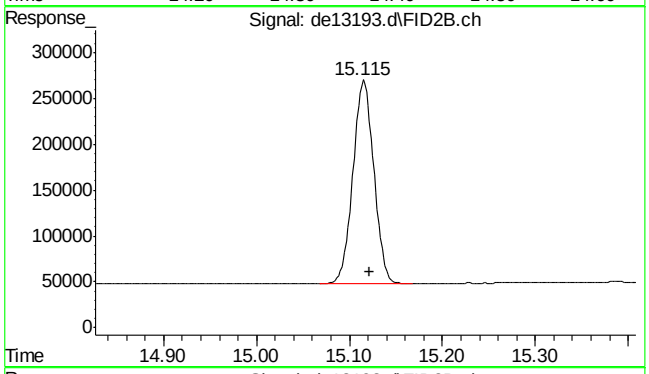
9

SGS ACCUTEST MC45857



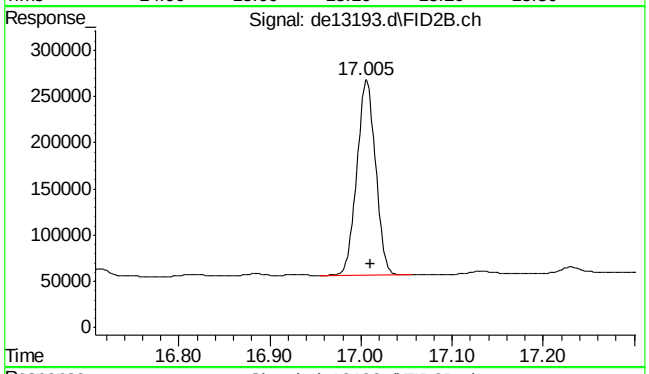
#39 c-28

R.T.: 14.372 min
Delta R.T.: -0.003 min
Response: 345810
Conc: 5.15 µg/ml



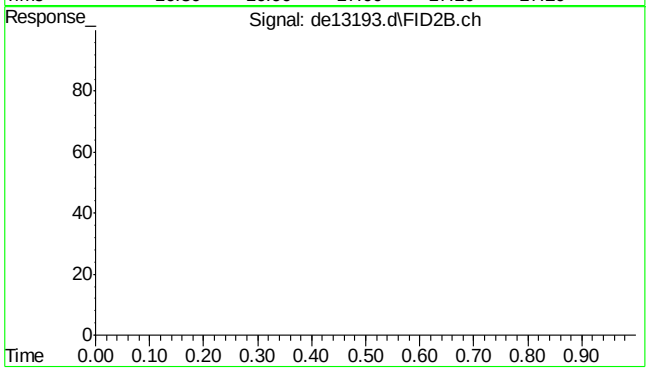
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 345750
Conc: 5.04 µg/ml m



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 300895
Conc: 4.91 µg/ml m



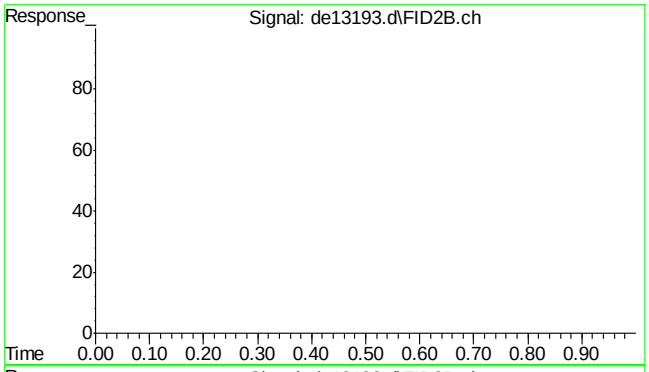
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.3

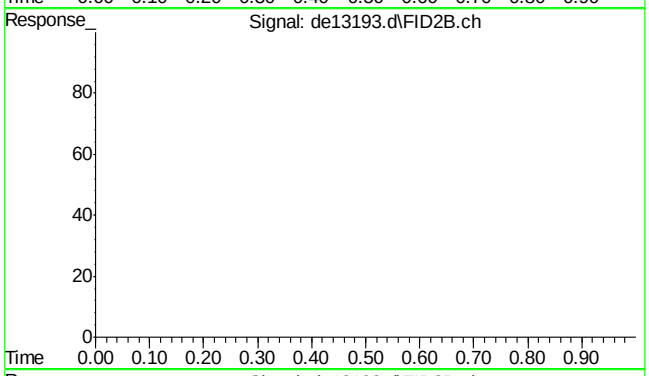
9

SGS ACCUTEST MC45857



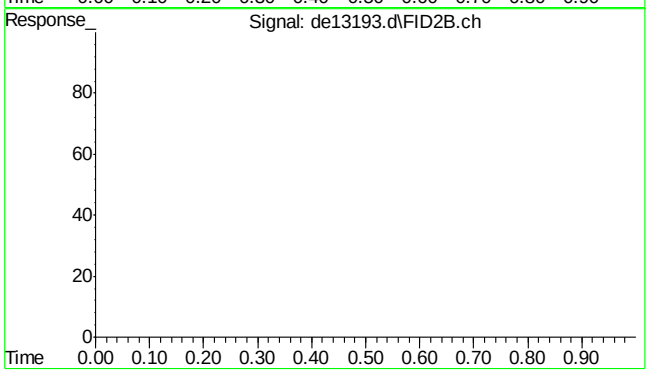
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

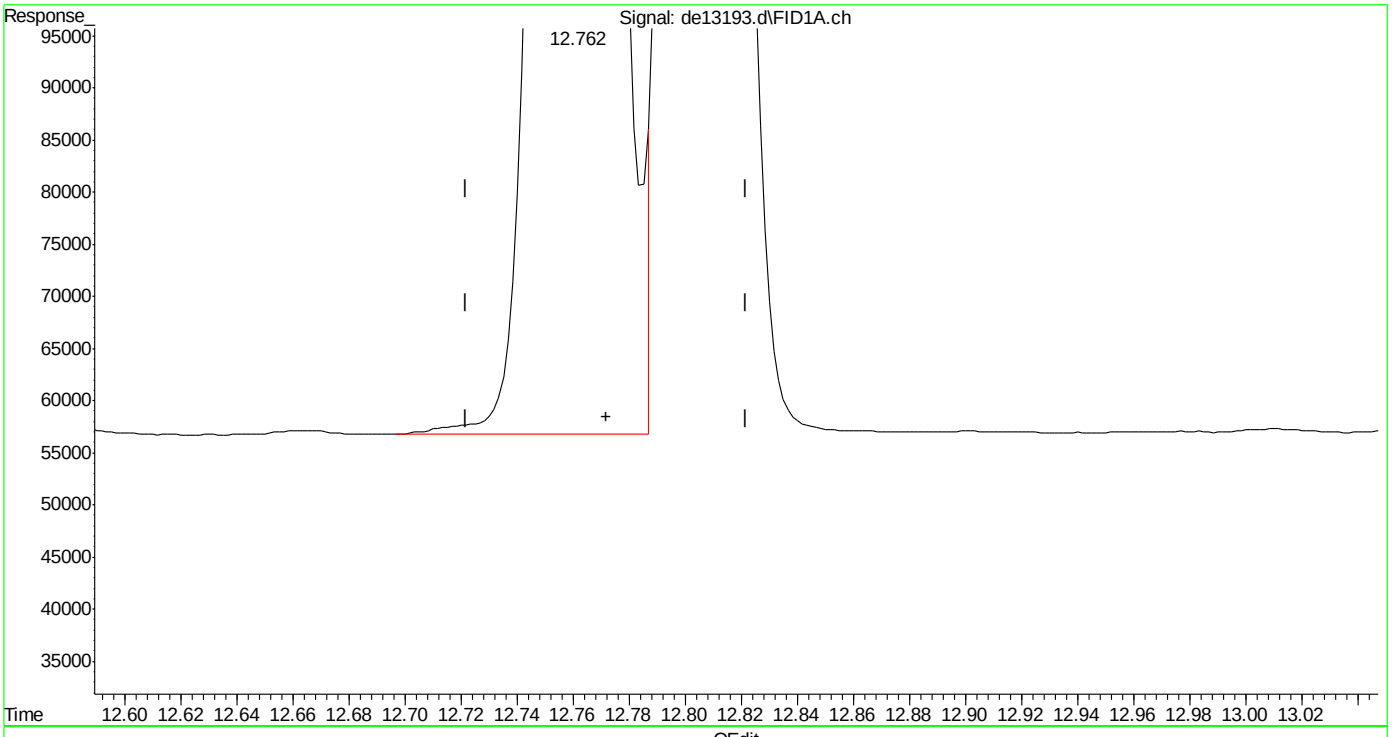
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.762min 4.949 µg/ml
response 487331

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:43:12 2016

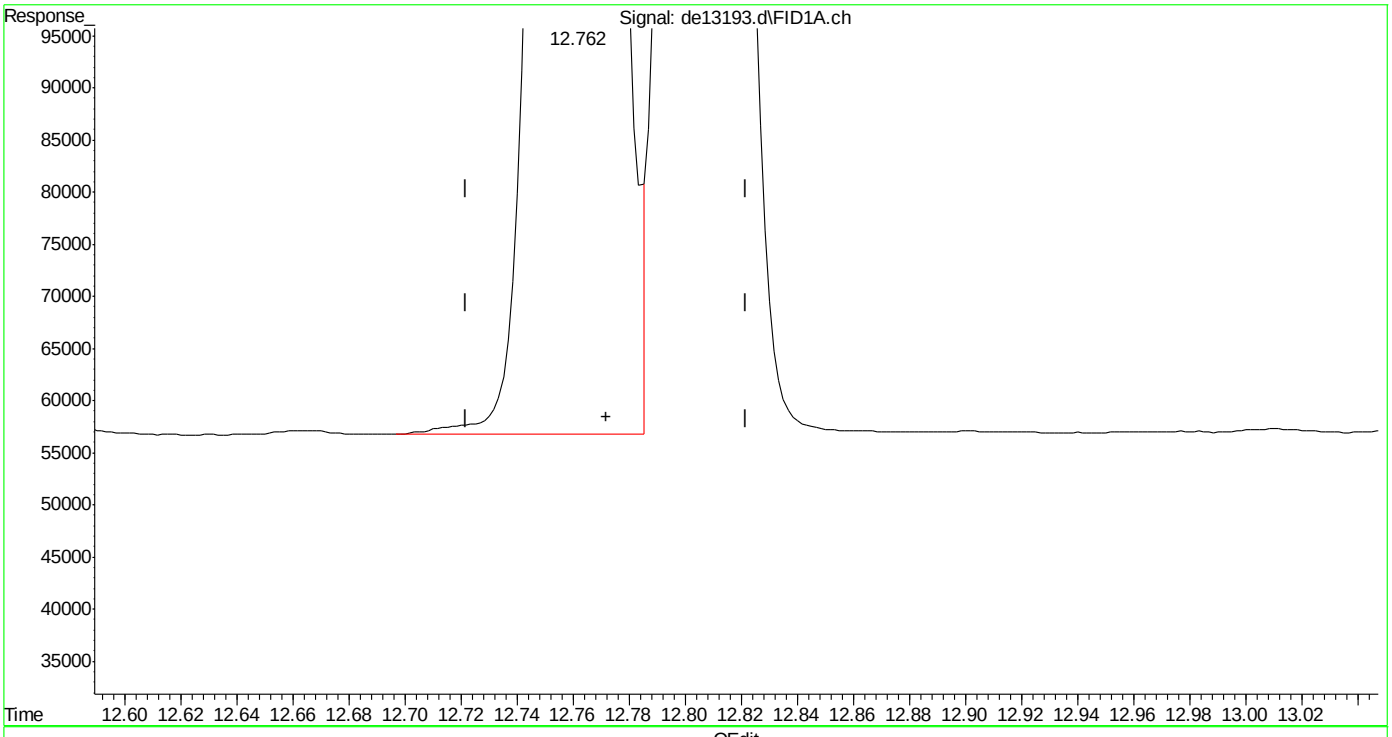
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.762min 4.921 µg/ml m
response 484563

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:43:21 2016

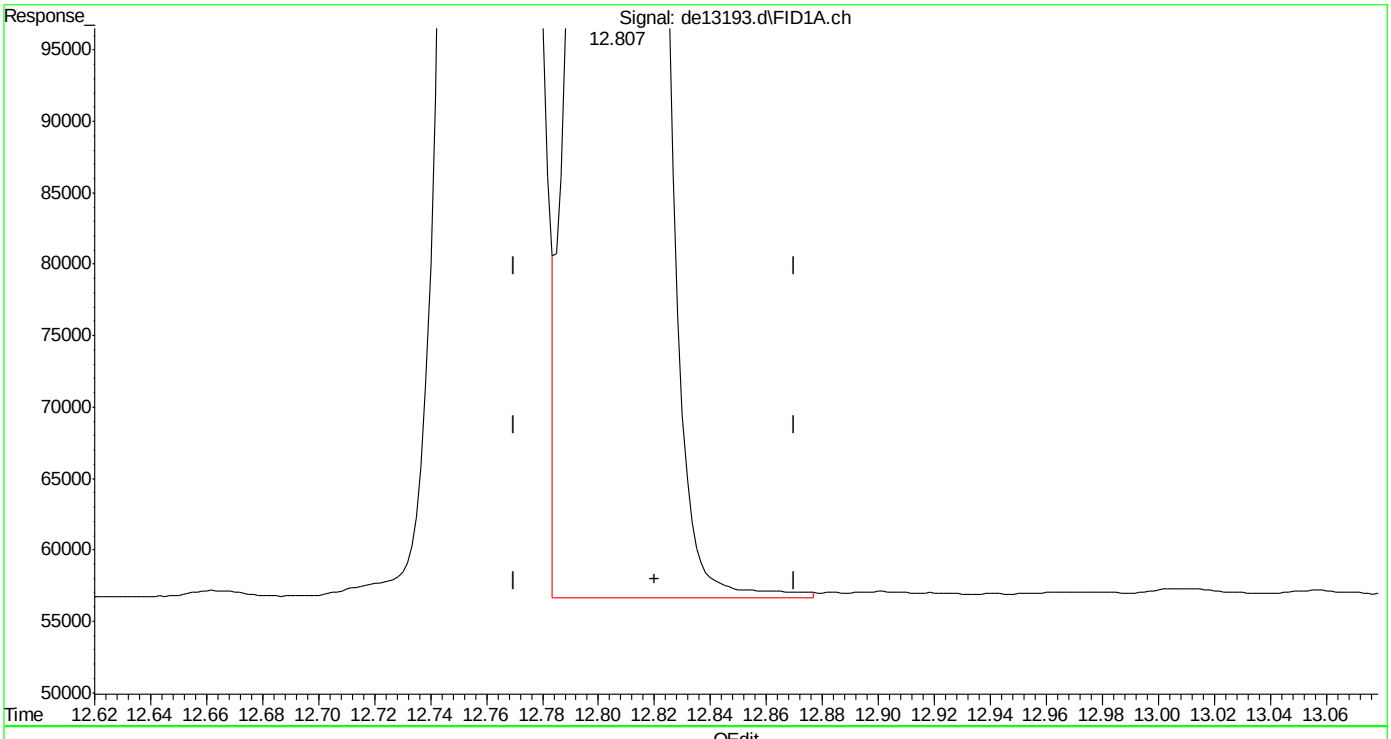
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.807min 4.923 µg/ml m
response 488834

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:43:45 2016

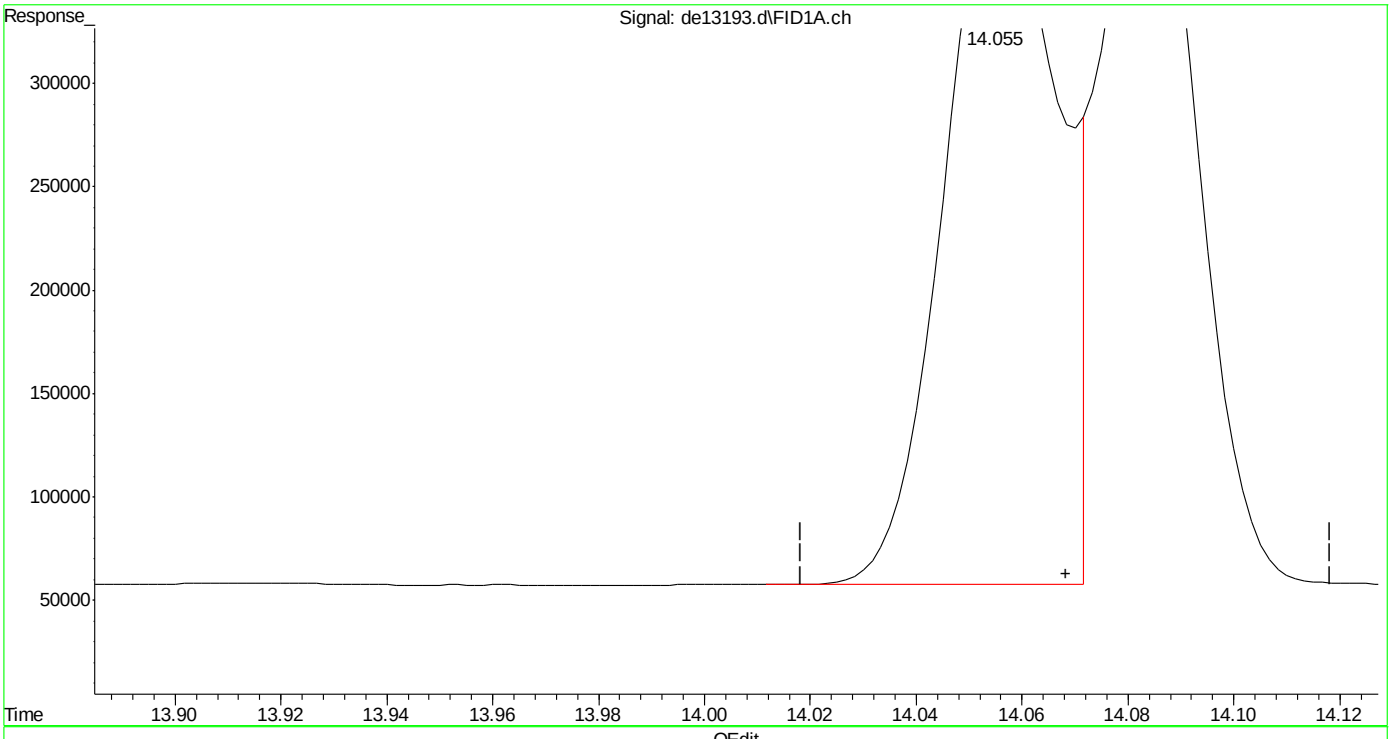
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.055min 5.155 µg/ml
response 522606

(+) = Expected Retention Time

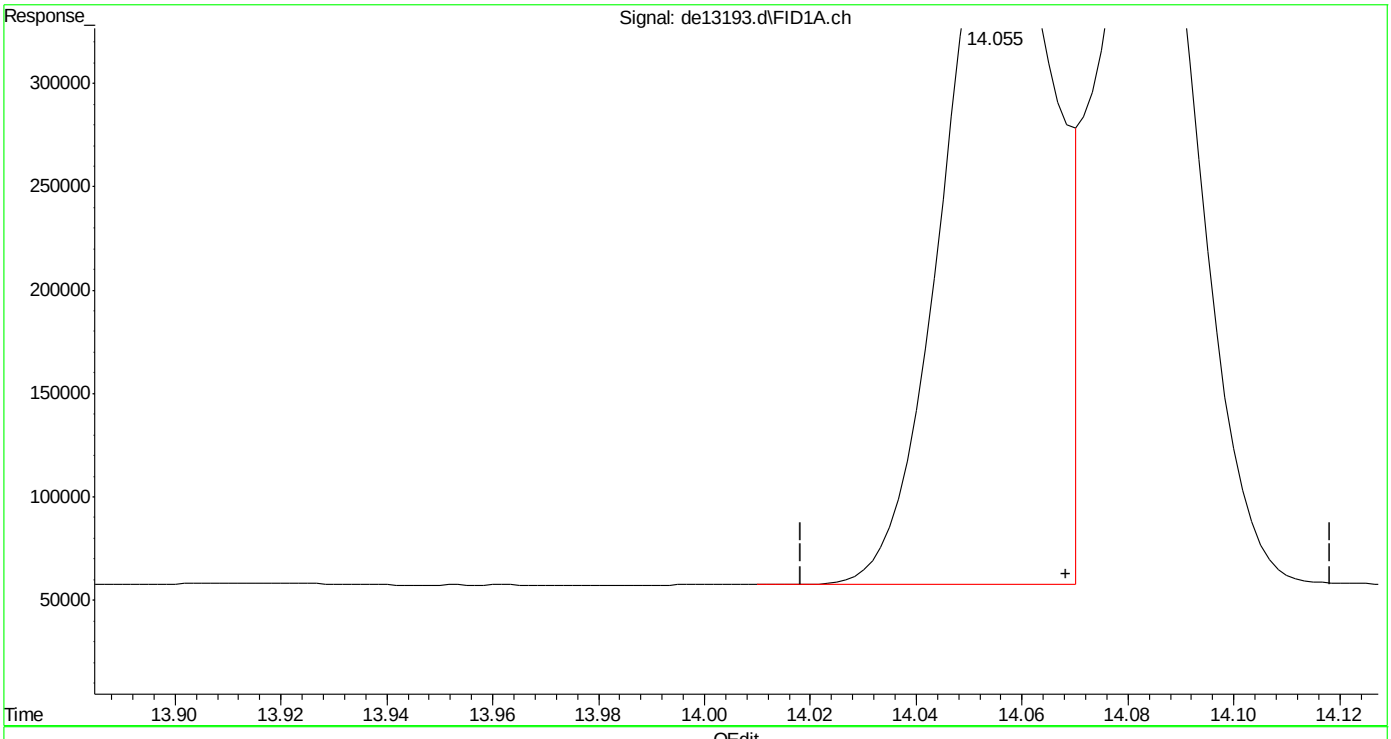
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.055min 4.931 µg/ml m
response 499942

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:43:57 2016

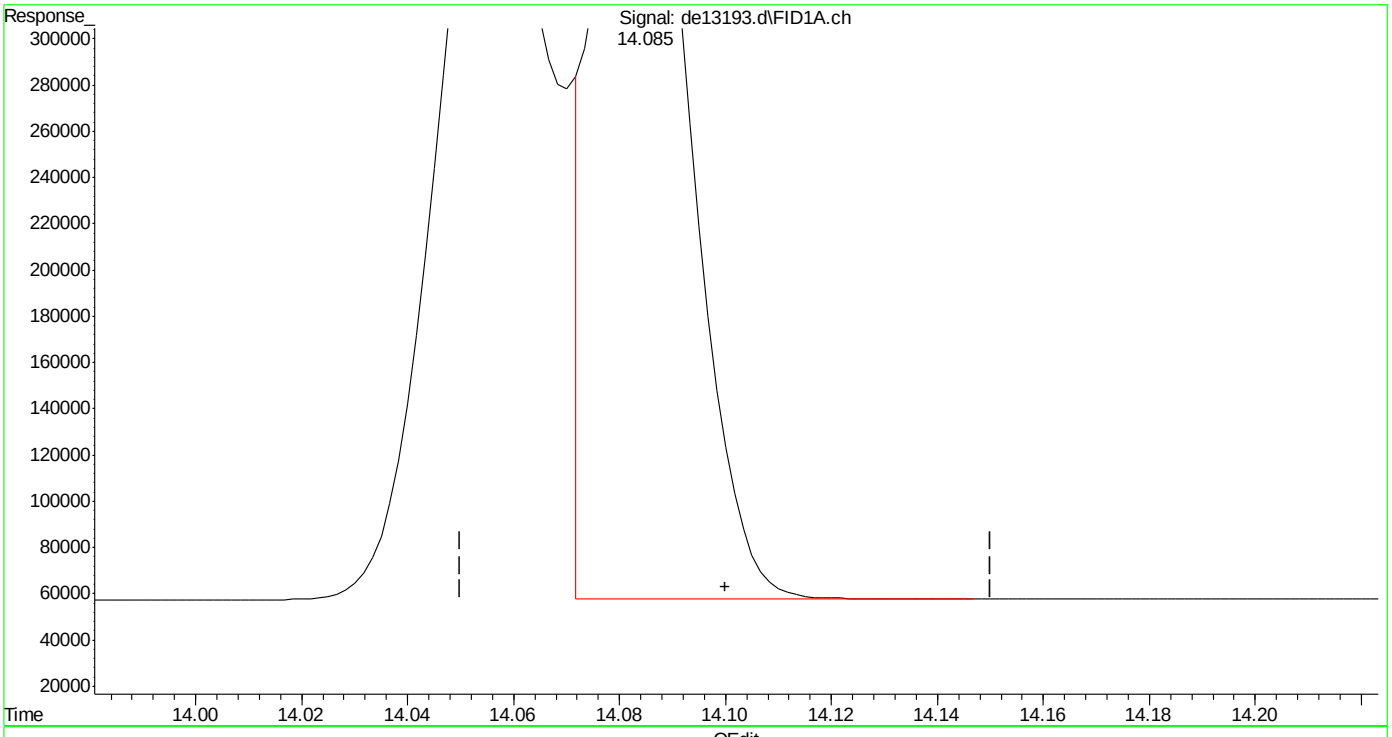
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.085min 4.636 µg/ml
response 451155

(+) = Expected Retention Time

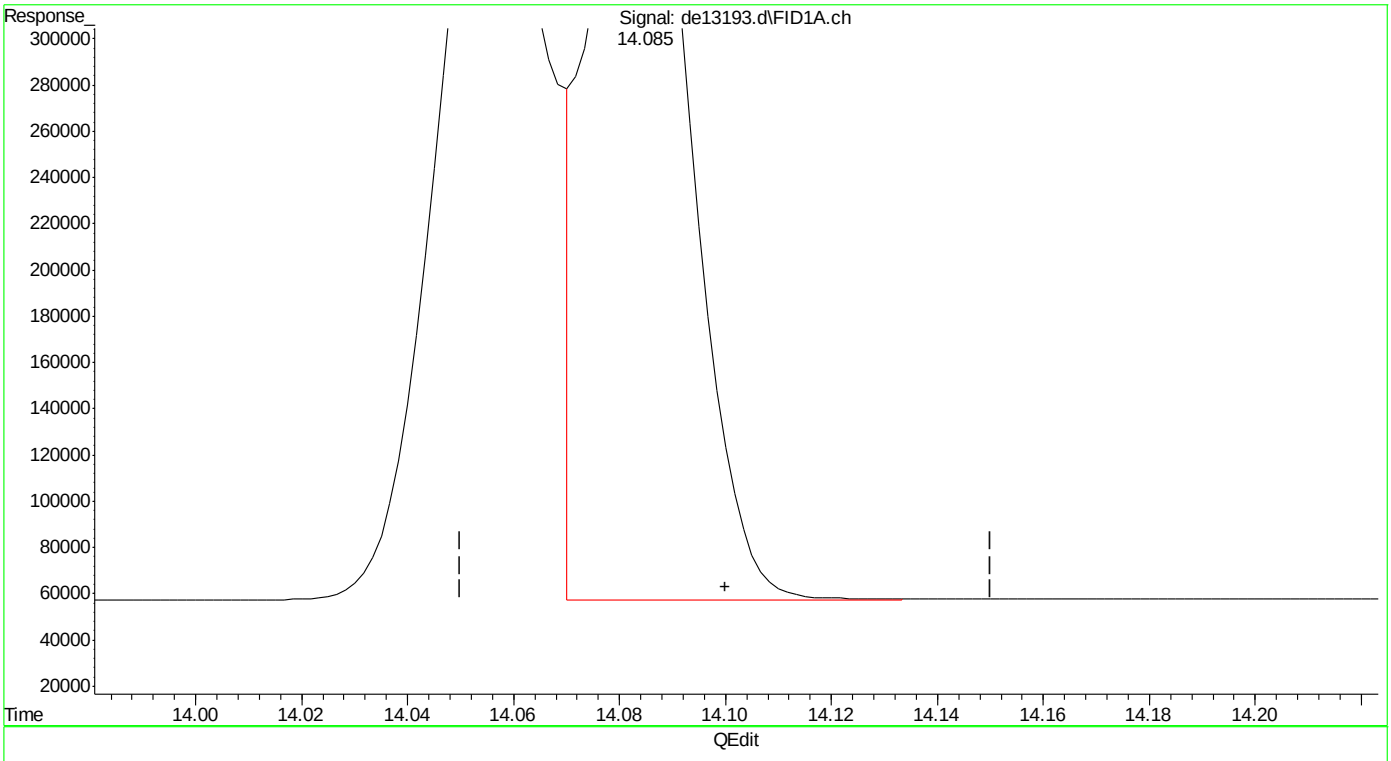
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.085min 4.875 µg/ml m
response 474469

(+) = Expected Retention Time

EPH160204M.M Fri Feb 05 10:44:13 2016

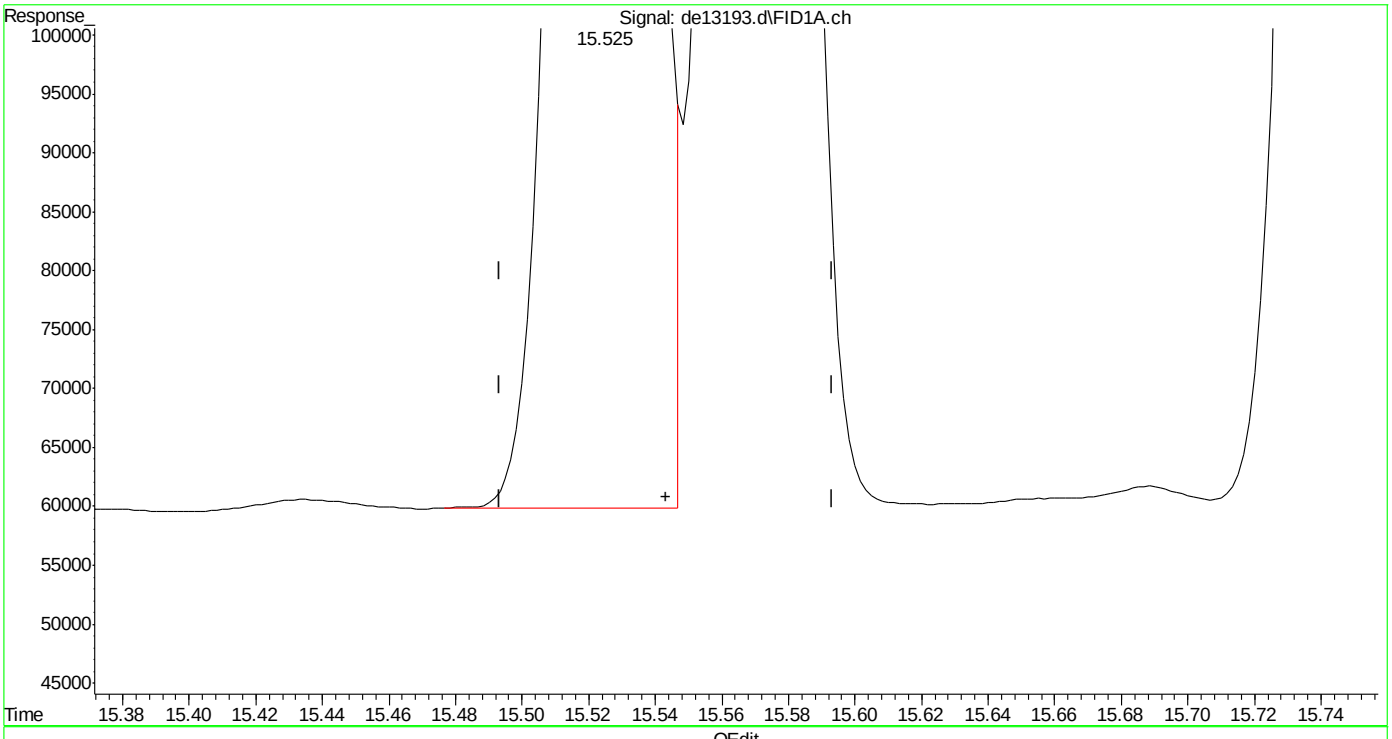
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.525min 4.785 µg/ml
response 468557

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:44:19 2016

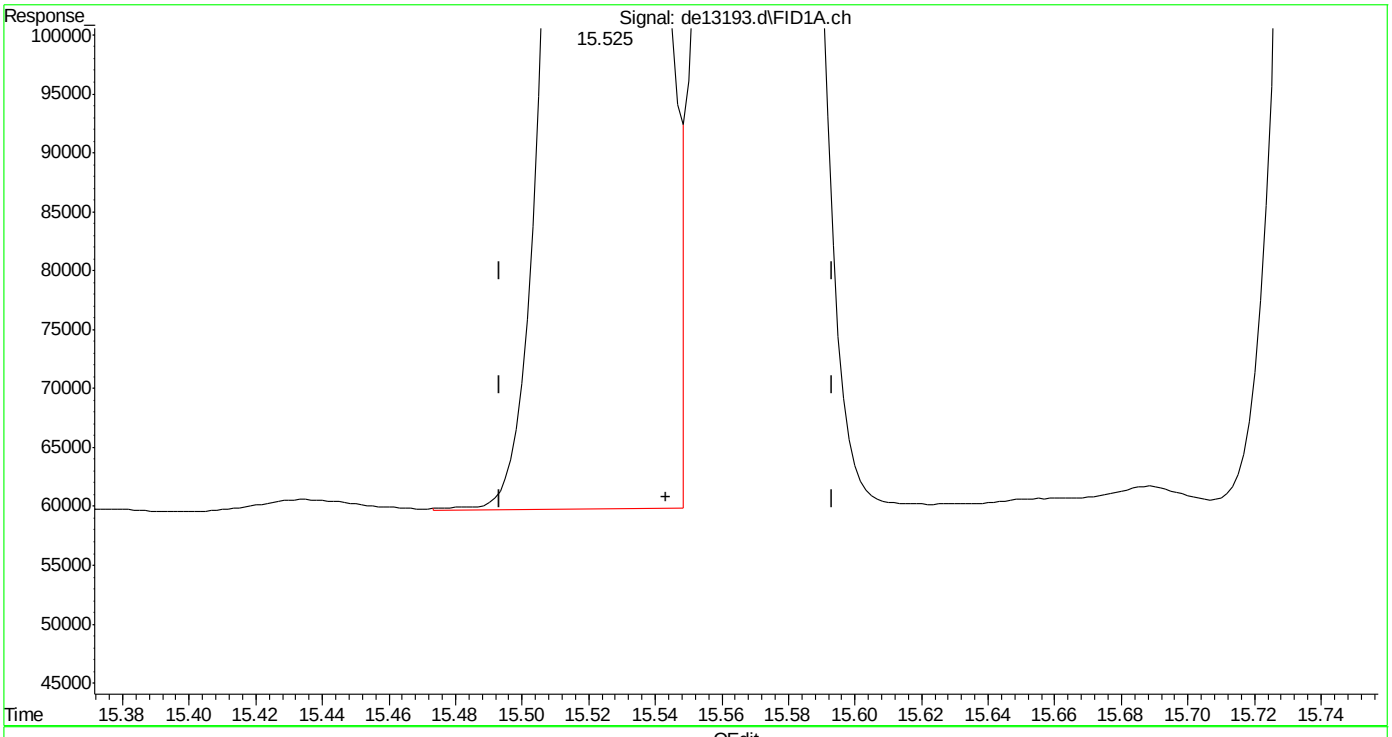
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.525min 4.822 µg/ml m
response 472235

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:44:45 2016

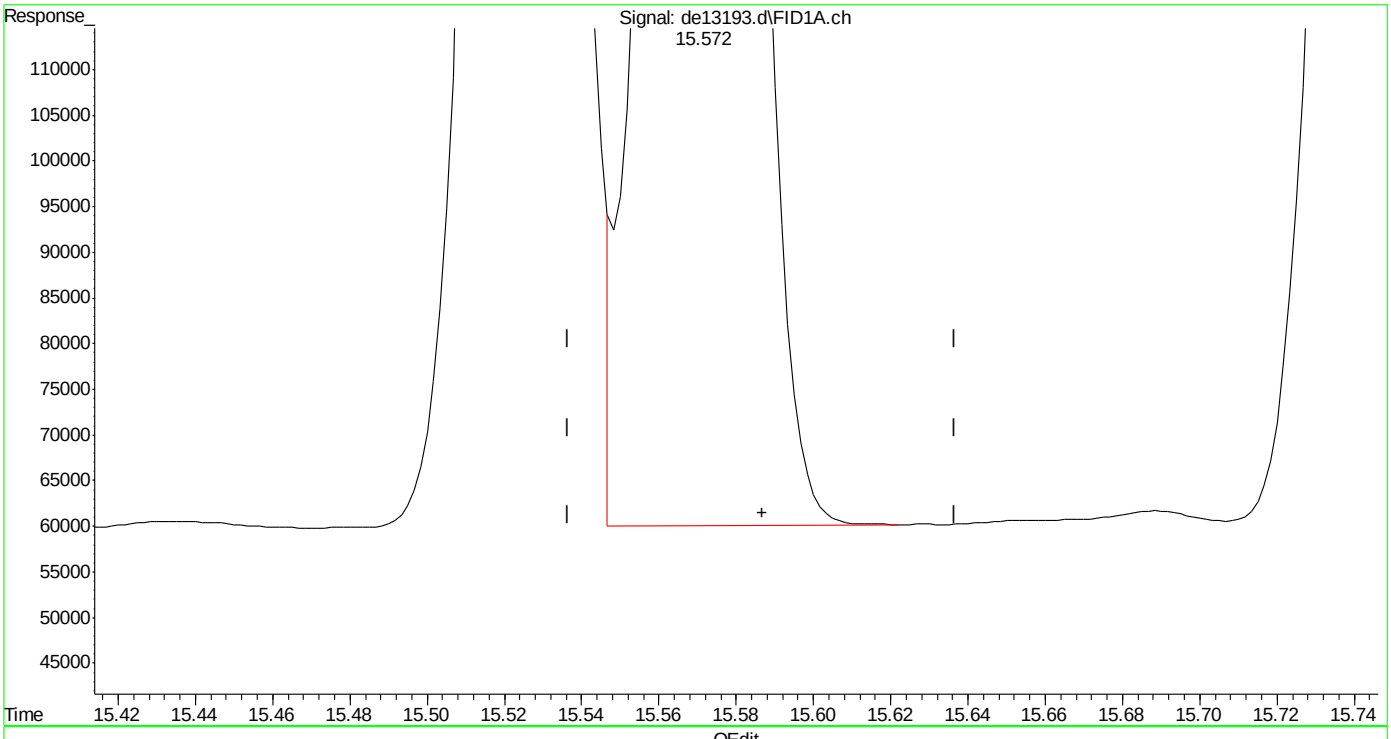
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.572min 5.000 µg/ml
response 468978

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:44:50 2016

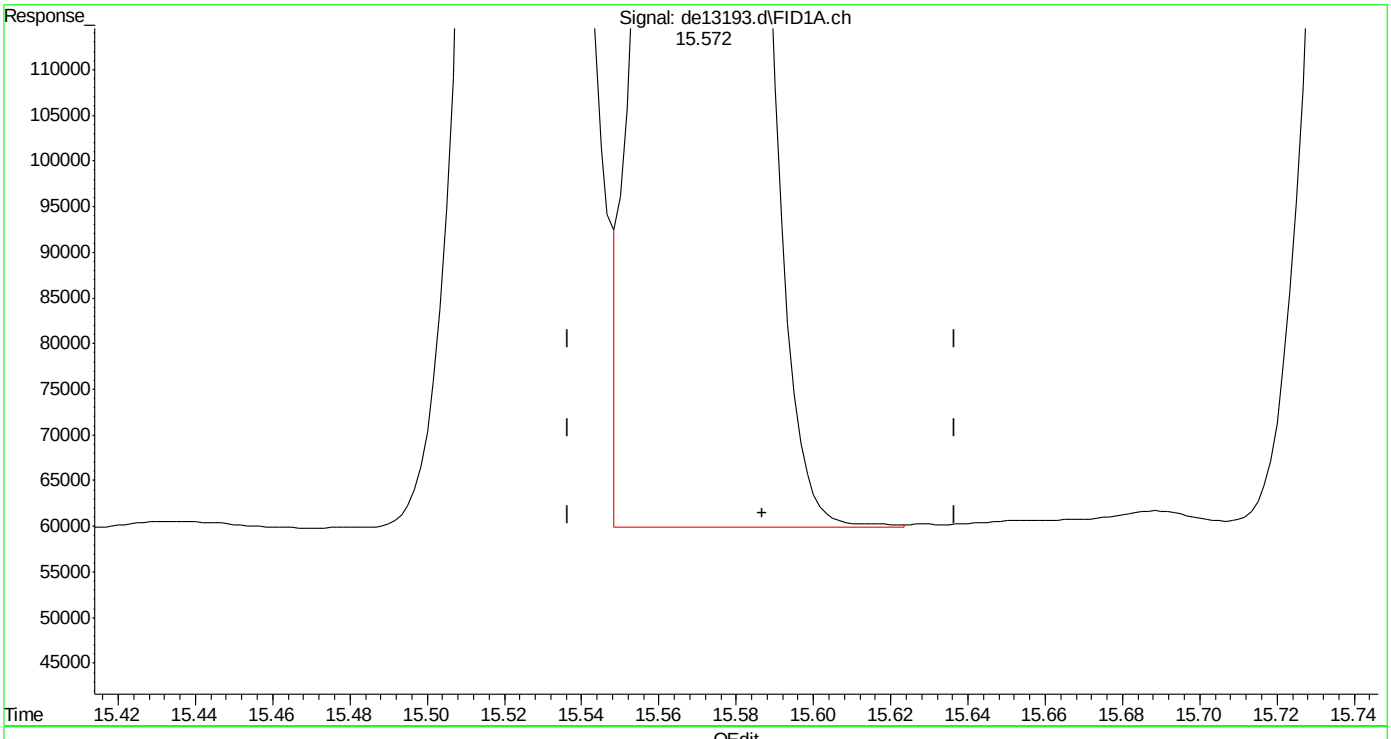
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.572min 4.975 µg/ml m
response 466623

(+) = Expected Retention Time

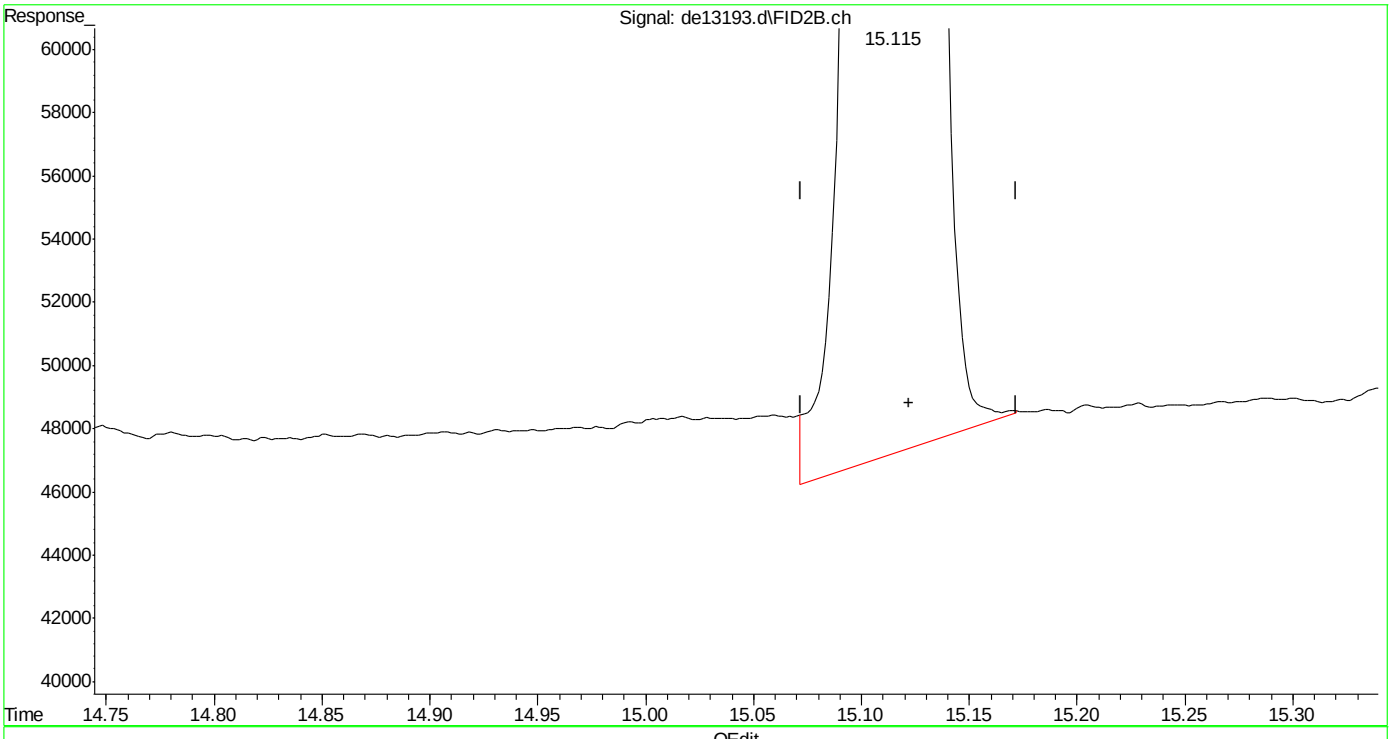
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13193.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:03 pm
Operator : thomasa
Sample : ic735-5
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:42:00 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:41:51 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 5.120 µg/ml
response 351498

(+) = Expected Retention Time

SGS ACCUTEST MC45857

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:51:46 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.800	1923499	20.264 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 101.32%#		
6) s 2-bromonaphthalene	7.532	1318220	20.454 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 102.27%#		
11) s o-terphenyl	10.080	2144067	20.565 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 102.83%#		
35) s 1-chlorooctadecane	11.248	1182336	20.984 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 104.92%#		
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	36131366	22.235 µg/mlm
2) naphthalene	5.352	2162719	20.282 µg/ml
3) 2-methylnaphthalene	6.250	2136209	20.220 µg/ml
5) acenaphthylene	7.368	2106441	20.279 µg/ml
7) acenaphthene	7.610	2170607	20.454 µg/ml
8) fluorene	8.253	2130652	20.455 µg/ml
9) phenanthrene	9.437	2129143	20.500 µg/ml
10) anthracene	9.493	2038508	20.982 µg/ml
12) fluoranthene	10.945	2077039	20.389 µg/ml
13) pyrene	11.203	2089957	20.238 µg/ml
14) benzo(a)anthracene	12.763	2002764	20.461 µg/ml
15) chrysene	12.812	2022589	20.496 µg/ml
16) benzo(B)fluoranthene	14.060	2094779	20.856 µg/mlm
17) benzo(k)fluoranthene	14.090	1953249	20.187 µg/mlm
18) benzo(a)pyrene	14.395	1927552	20.332 µg/ml
19) indeno(1,2,3-cd)pyrene	15.532	1948257	19.991 µg/ml
20) dibenzo(ah)anthracene	15.577	1933263	20.726 µg/ml
21) benzo(ghi)perylene	15.753	1916075	20.362 µg/ml
25) h c-9	2.680	1587594	20.952 µg/mlm
26) h c-10	3.833	1597831	20.904 µg/ml
27) naphthalene #2	5.512	1701488	21.332 µg/ml
28) c-12	5.687	1581613	20.810 µg/ml
29) 2-methylnaphthalene #2	6.405	1698114	20.825 µg/ml
30) c-14	7.203	1563771	20.568 µg/ml
31) c-16	8.532	1537180	20.338 µg/ml
32) c-18	9.727	1515877	20.257 µg/ml
33) c-19	10.282	1500139	20.556 µg/ml
34) c-20	10.813	1468089	20.532 µg/ml
36) c-22	11.808	1451343	20.601 µg/ml
37) c-24	12.727	1351453	20.219 µg/ml

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Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:51:46 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc	Units
38)		c-26	13.580	1435543	20.577	µg/ml
39)		c-28	14.373	1385739	20.519	µg/ml
40)	h	c-30	15.122	1377048	20.029	µg/mlm
41)	h	c-36	17.010	1222680	20.011	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.4

9

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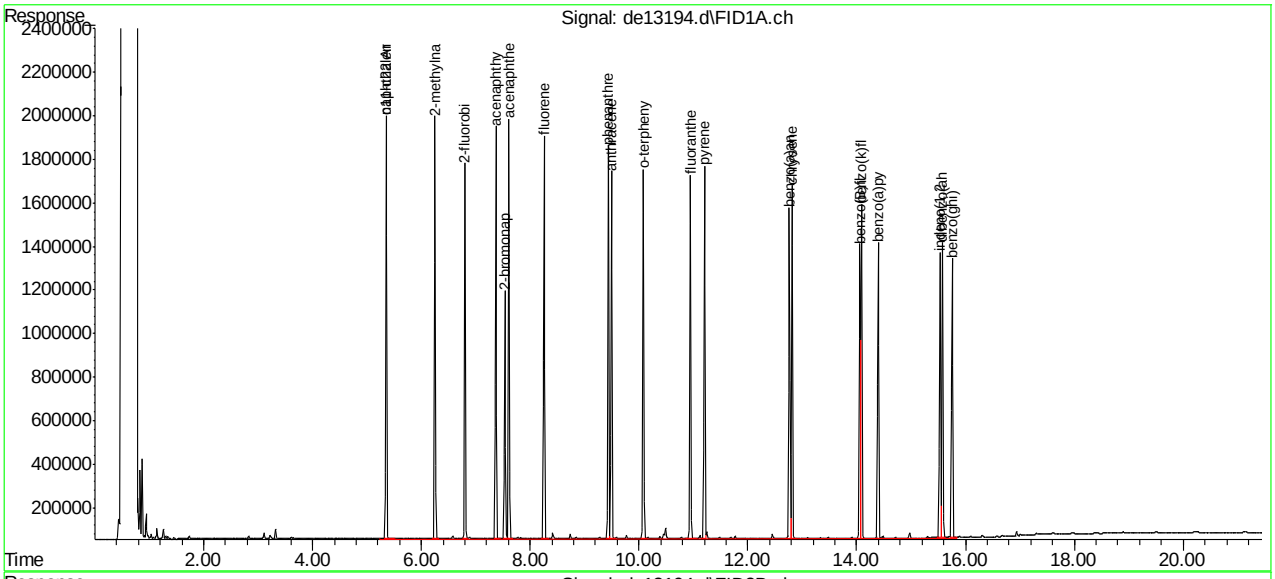
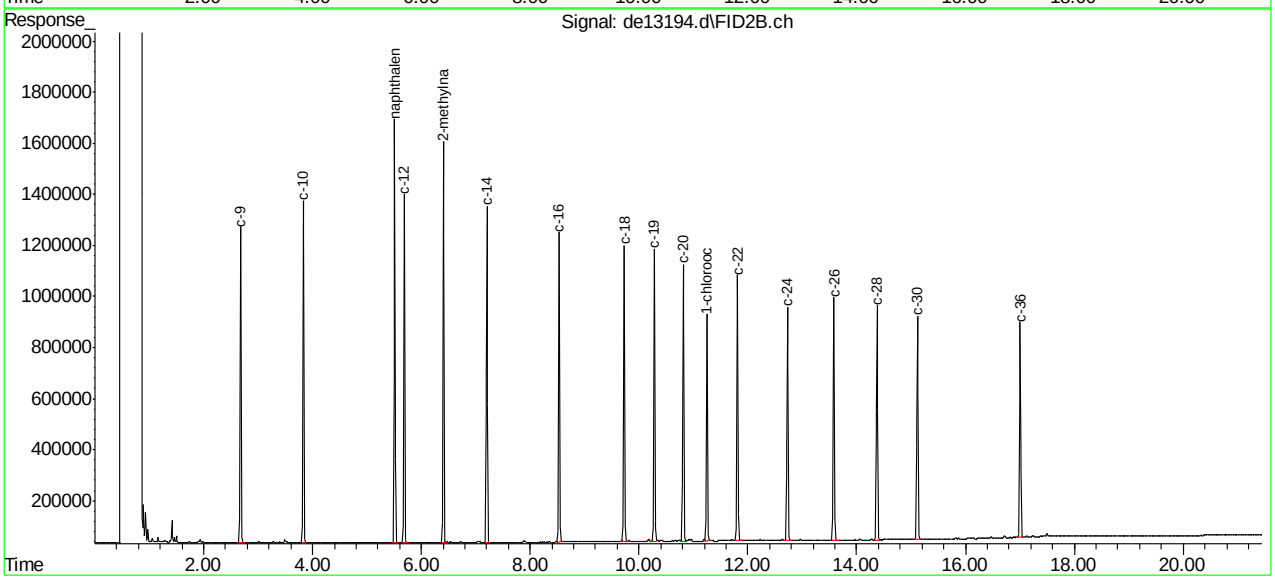
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

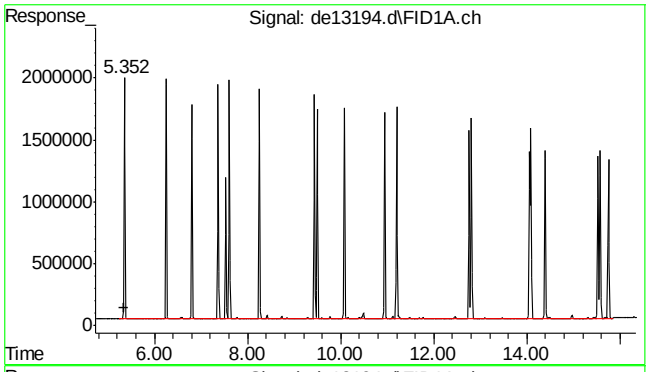
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:51:46 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



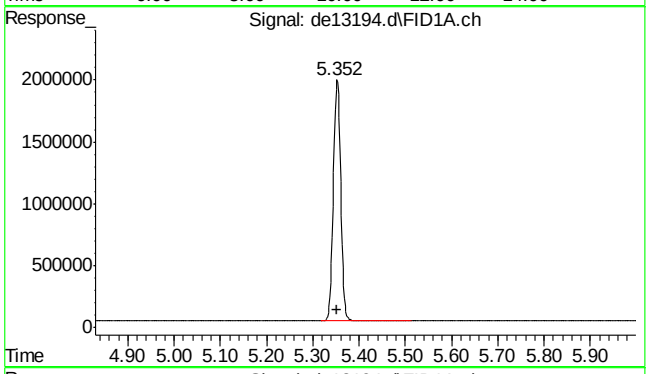


SGS 1034 of 1207 ACCUTEST MC45857



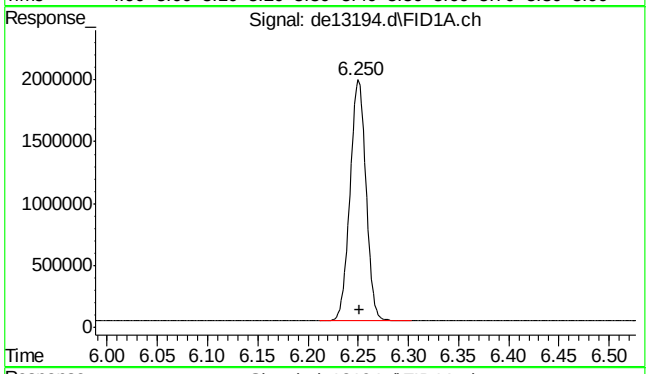
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 36131366
Conc: 22.24 µg/ml m



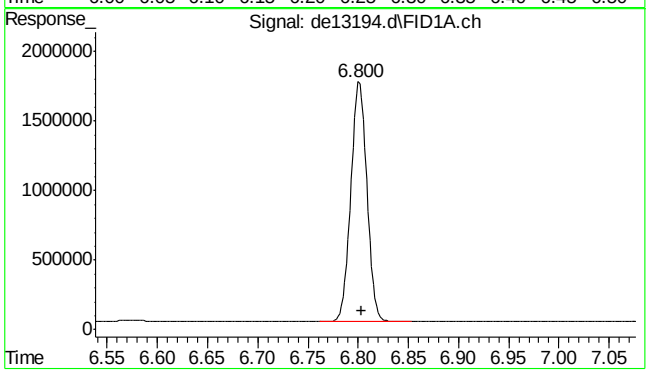
#2 naphthalene

R.T.: 5.352 min
Delta R.T.: -0.002 min
Response: 2162719
Conc: 20.28 µg/ml



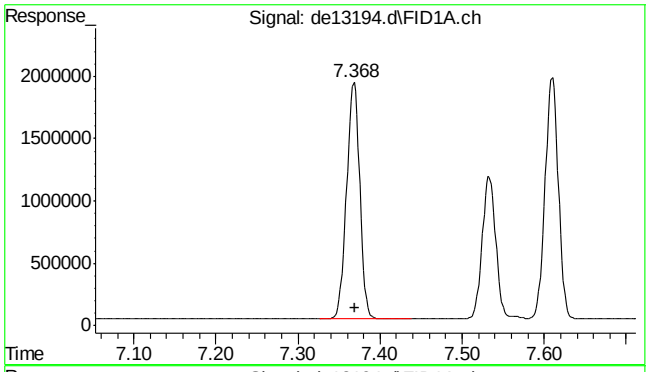
#3 2-methylnaphthalene

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 2136209
Conc: 20.22 µg/ml



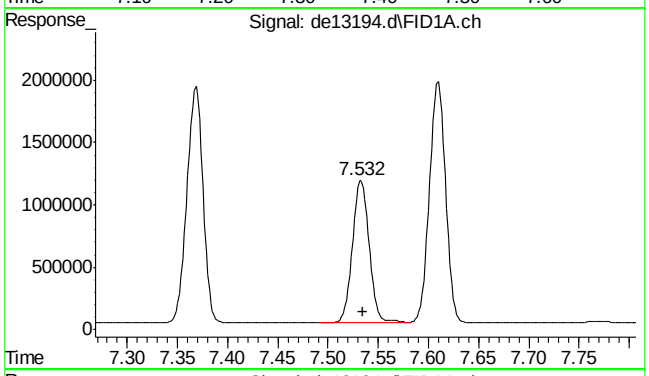
#4 2-fluorobiphenyl

R.T.: 6.800 min
Delta R.T.: -0.003 min
Response: 1923499
Conc: 20.26 µg/ml



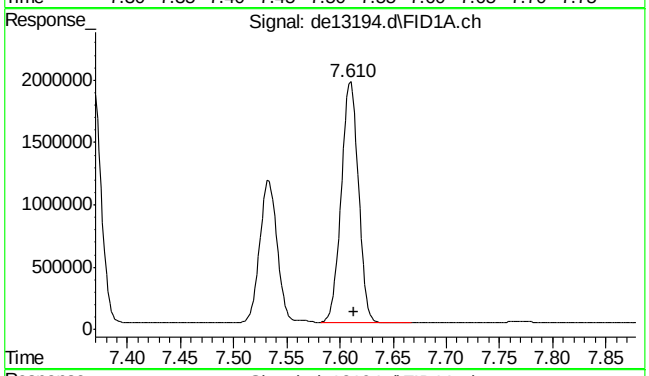
#5 acenaphthylene

R.T.: 7.368 min
Delta R.T.: -0.002 min
Response: 2106441
Conc: 20.28 µg/ml



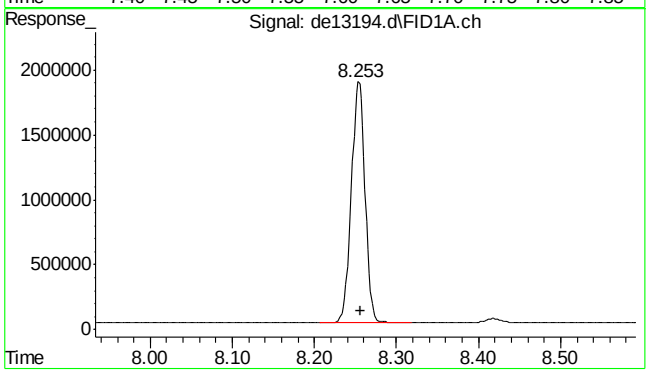
#6 2-bromonaphthalene

R.T.: 7.532 min
Delta R.T.: -0.003 min
Response: 1318220
Conc: 20.45 µg/ml



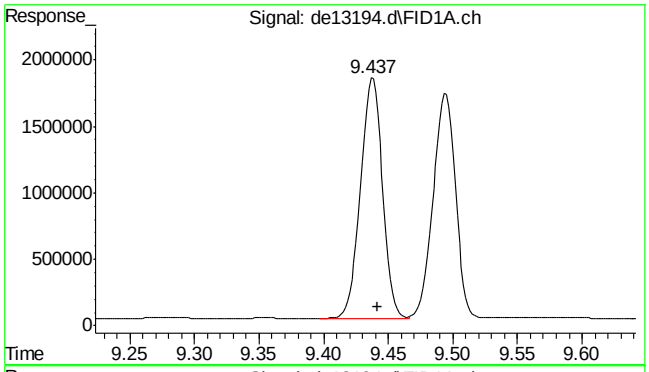
#7 acenaphthene

R.T.: 7.610 min
Delta R.T.: -0.003 min
Response: 2170607
Conc: 20.45 µg/ml



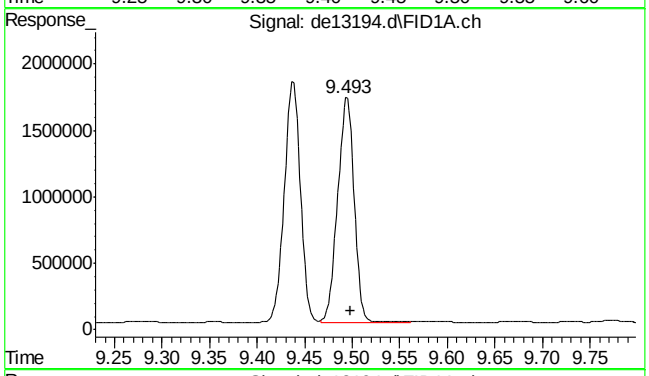
#8 fluorene

R.T.: 8.253 min
Delta R.T.: -0.003 min
Response: 2130652
Conc: 20.46 µg/ml



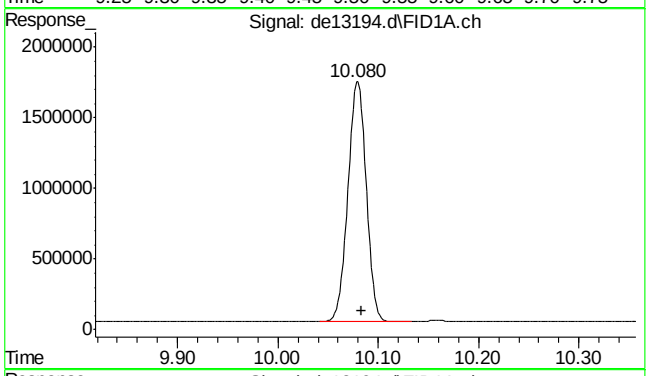
#9 phenanthrene

R.T.: 9.437 min
Delta R.T.: -0.005 min
Response: 2129143
Conc: 20.50 µg/ml



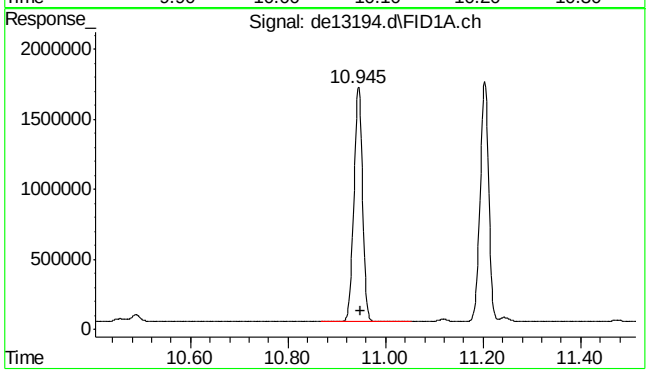
#10 anthracene

R.T.: 9.493 min
Delta R.T.: -0.005 min
Response: 2038508
Conc: 20.98 µg/ml



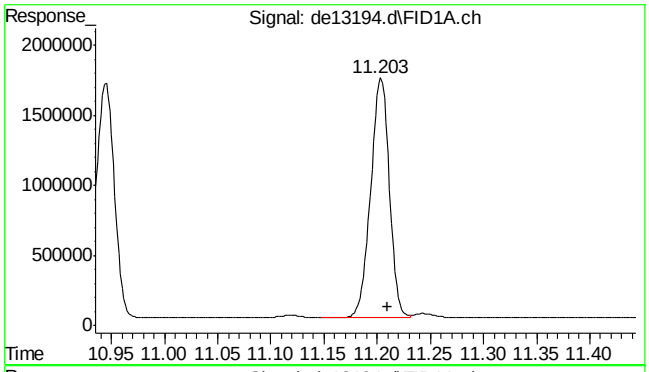
#11 o-terphenyl

R.T.: 10.080 min
Delta R.T.: -0.003 min
Response: 2144067
Conc: 20.57 µg/ml



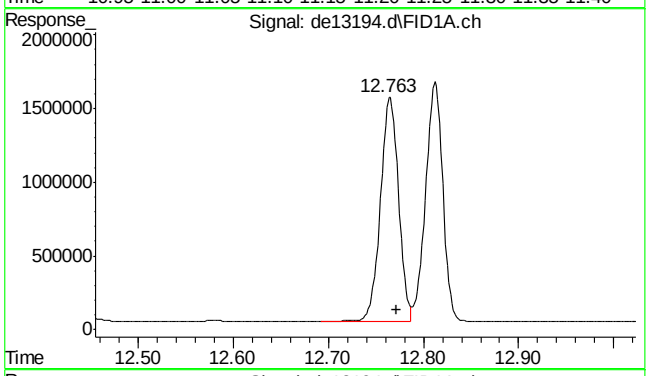
#12 fluoranthene

R.T.: 10.945 min
Delta R.T.: -0.003 min
Response: 2077039
Conc: 20.39 µg/ml



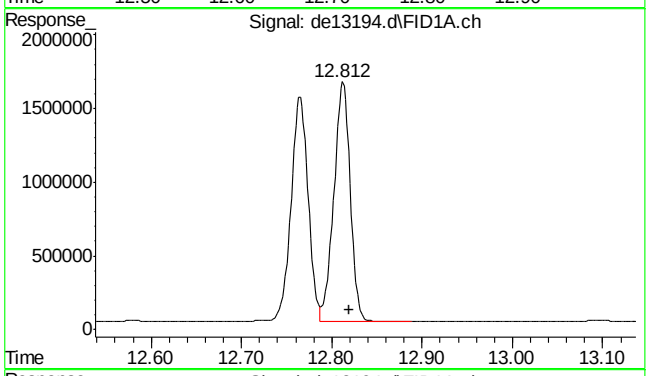
#13 pyrene

R.T.: 11.203 min
Delta R.T.: -0.007 min
Response: 2089957
Conc: 20.24 µg/ml



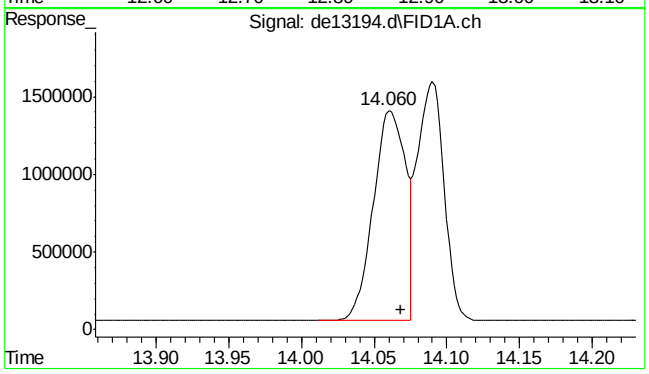
#14 benzo(a)anthracene

R.T.: 12.763 min
Delta R.T.: -0.008 min
Response: 2002764
Conc: 20.46 µg/ml



#15 chrysene

R.T.: 12.812 min
Delta R.T.: -0.008 min
Response: 2022589
Conc: 20.50 µg/ml



#16 benzo(B)fluoranthene

R.T.: 14.060 min
Delta R.T.: -0.008 min
Response: 2094779
Conc: 20.86 µg/ml m

9.4.4

9

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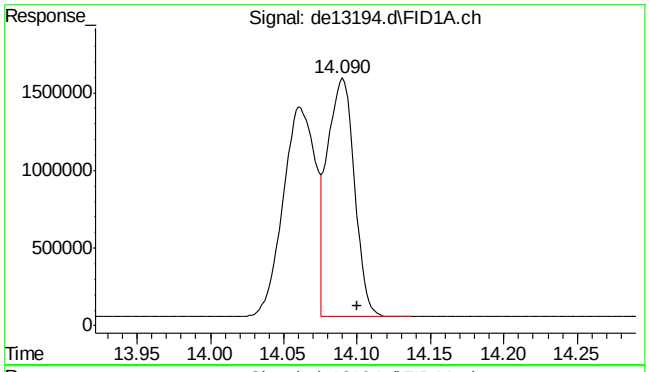
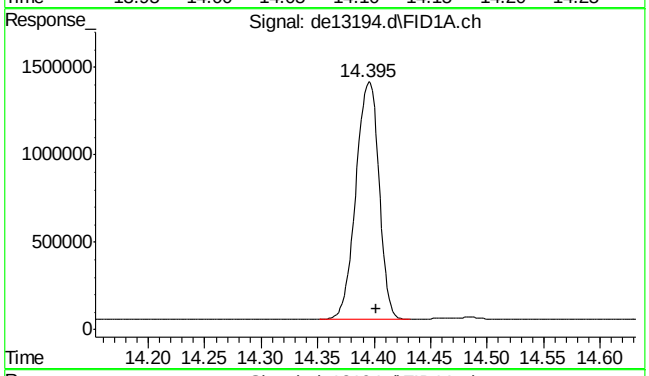


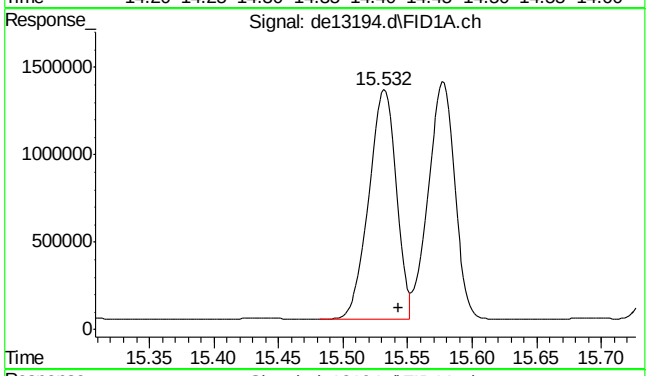
#17 benzo(k)fluoranthene

R.T.: 14.090 min
Delta R.T.: -0.010 min
Response: 1953249
Conc: 20.19 µg/ml m



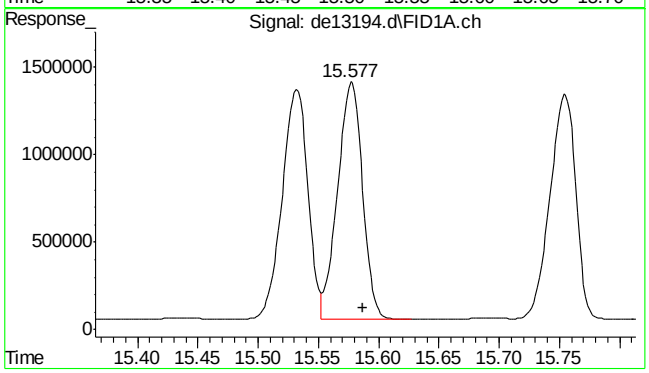
#18 benzo(a)pyrene

R.T.: 14.395 min
Delta R.T.: -0.007 min
Response: 1927552
Conc: 20.33 µg/ml



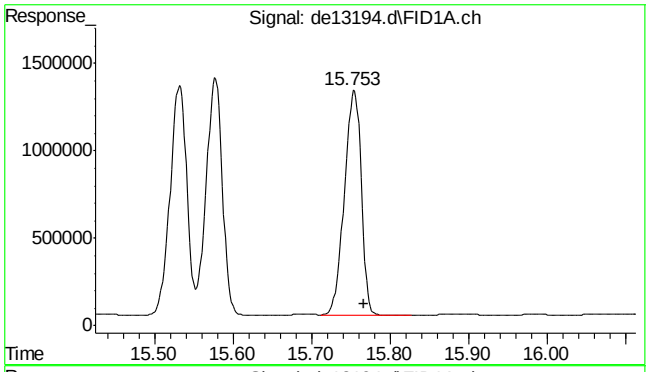
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.532 min
Delta R.T.: -0.012 min
Response: 1948257
Conc: 19.99 µg/ml



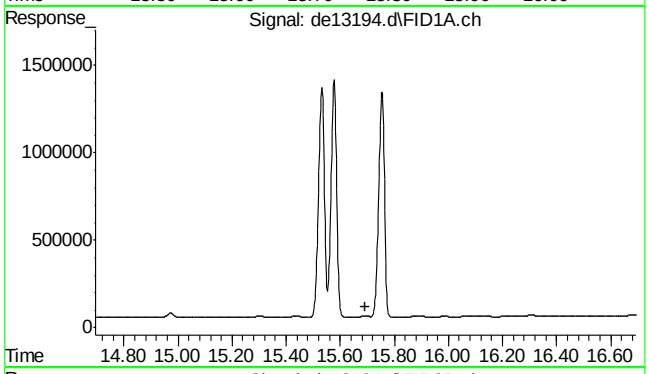
#20 dibenzo(ah)anthracene

R.T.: 15.577 min
Delta R.T.: -0.010 min
Response: 1933263
Conc: 20.73 µg/ml



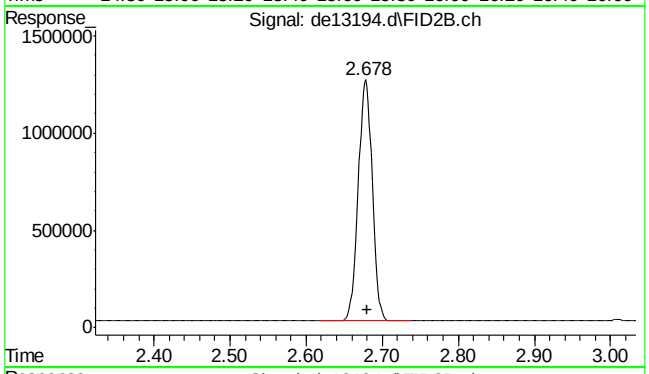
#21 benzo(ghi)perylene

R.T.: 15.753 min
Delta R.T.: -0.013 min
Response: 1916075
Conc: 20.36 µg/ml



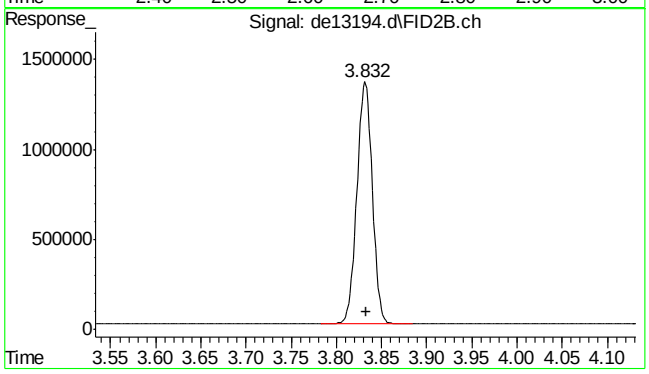
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 1587594
Conc: 20.95 µg/ml m



#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 1597831
Conc: 20.90 µg/ml

9.4.4

9

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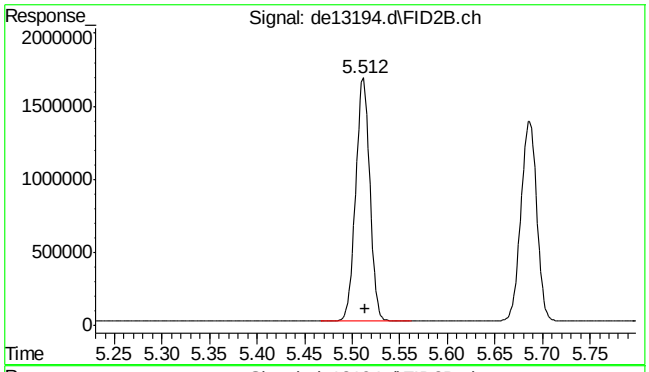
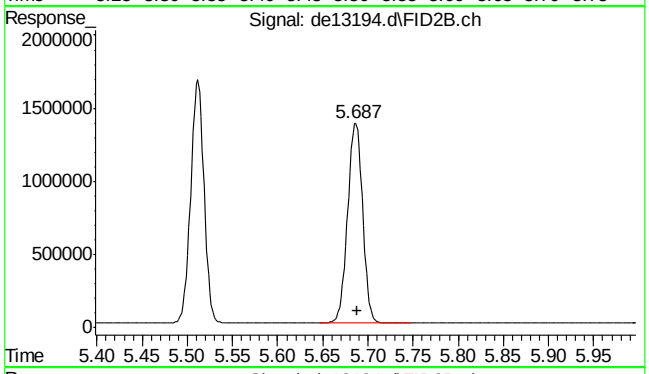


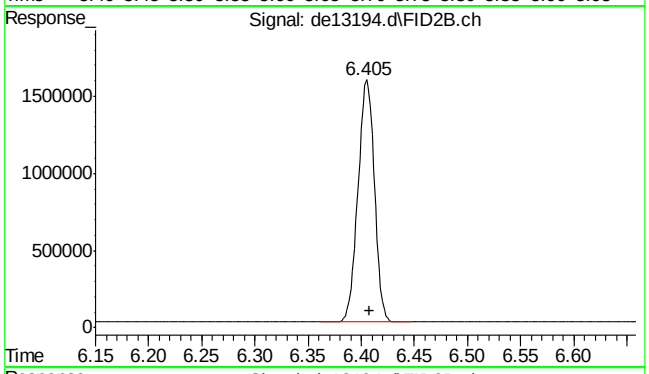
#27 naphthalene #2

R.T.: 5.512 min
Delta R.T.: -0.002 min
Response: 1701488
Conc: 21.33 µg/ml



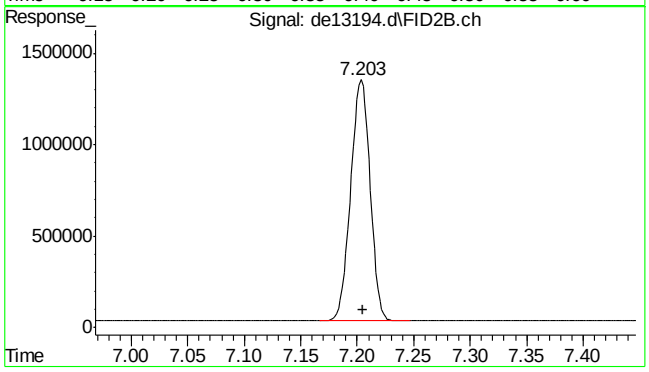
#28 c-12

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 1581613
Conc: 20.81 µg/ml



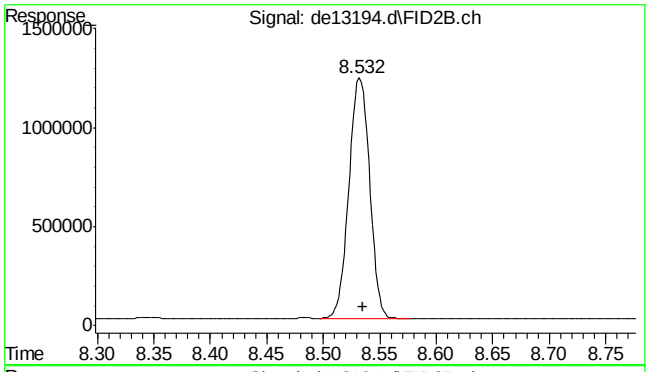
#29 2-methylnaphthalene #2

R.T.: 6.405 min
Delta R.T.: -0.003 min
Response: 1698114
Conc: 20.83 µg/ml



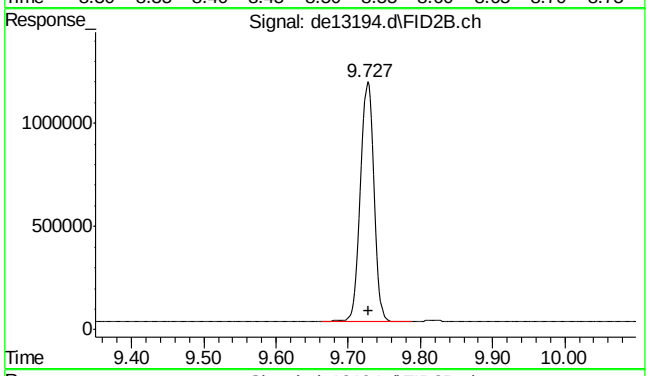
#30 c-14

R.T.: 7.203 min
Delta R.T.: -0.002 min
Response: 1563771
Conc: 20.57 µg/ml



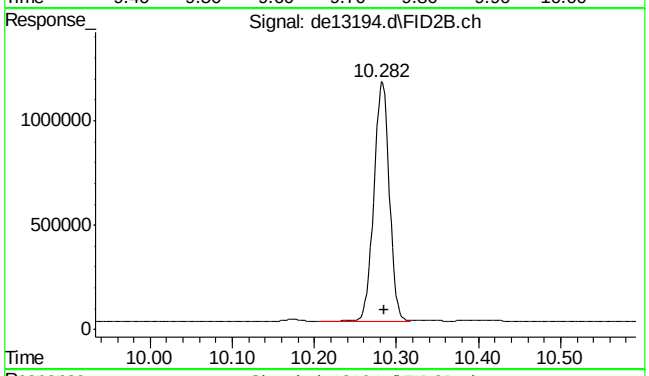
#31 c-16

R.T.: 8.532 min
Delta R.T.: -0.003 min
Response: 1537180
Conc: 20.34 µg/ml



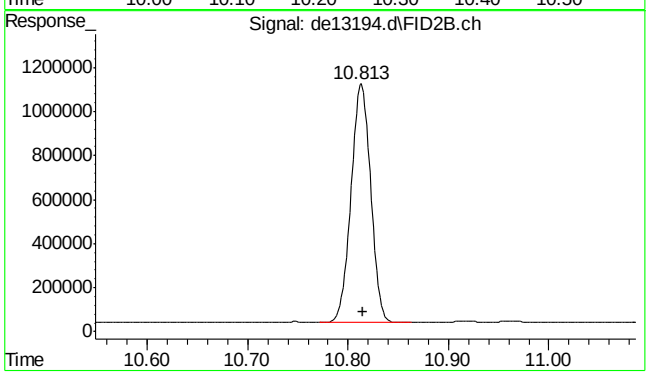
#32 c-18

R.T.: 9.727 min
Delta R.T.: -0.002 min
Response: 1515877
Conc: 20.26 µg/ml



#33 c-19

R.T.: 10.282 min
Delta R.T.: -0.003 min
Response: 1500139
Conc: 20.56 µg/ml



#34 c-20

R.T.: 10.813 min
Delta R.T.: -0.002 min
Response: 1468089
Conc: 20.53 µg/ml

9.4.4

9

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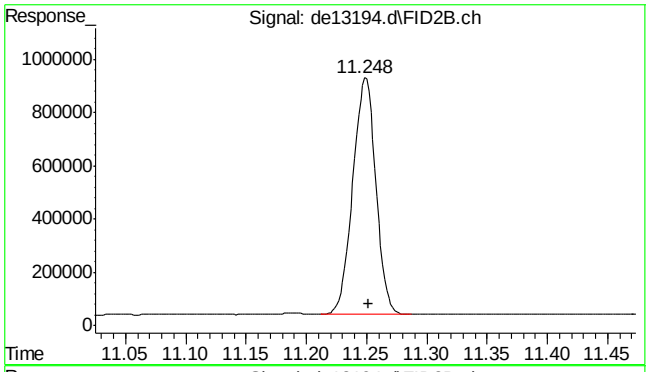
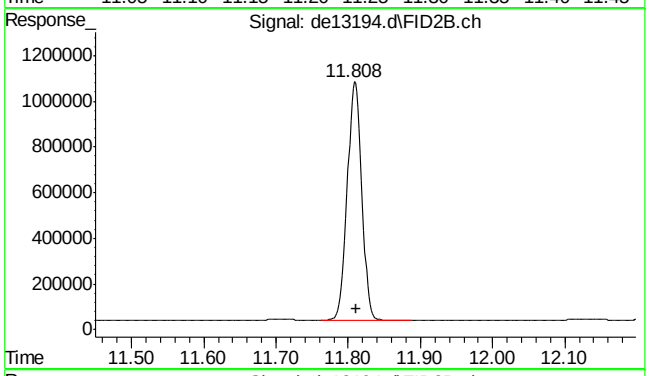


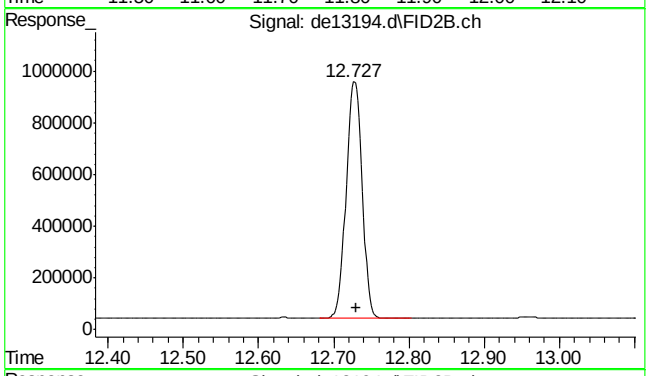
#35 1-chlorooctadecane

R.T.: 11.248 min
Delta R.T.: -0.003 min
Response: 1182336
Conc: 20.98 µg/ml



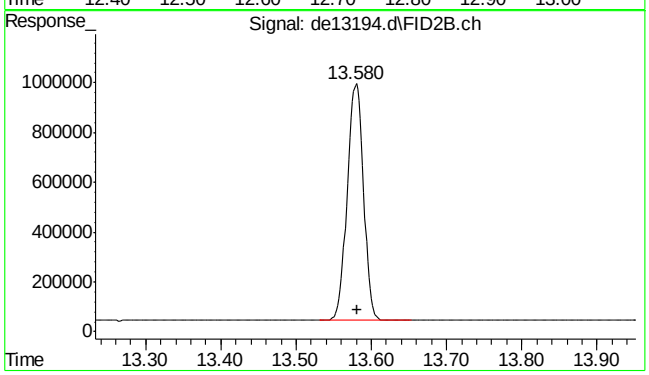
#36 c-22

R.T.: 11.808 min
Delta R.T.: -0.003 min
Response: 1451343
Conc: 20.60 µg/ml



#37 c-24

R.T.: 12.727 min
Delta R.T.: -0.003 min
Response: 1351453
Conc: 20.22 µg/ml



#38 c-26

R.T.: 13.580 min
Delta R.T.: -0.002 min
Response: 1435543
Conc: 20.58 µg/ml

9.4.4

9

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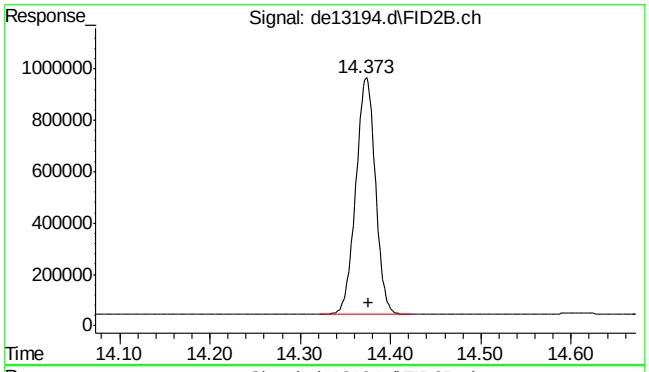
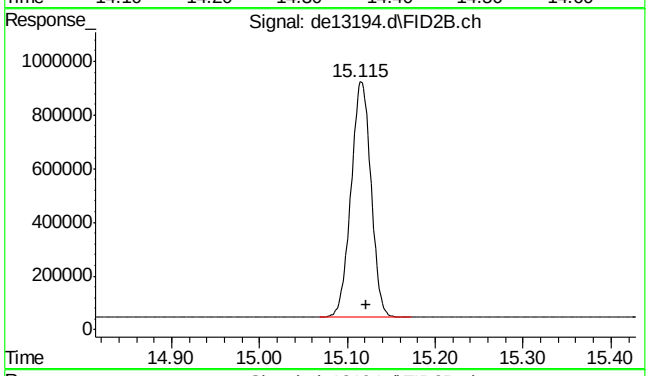


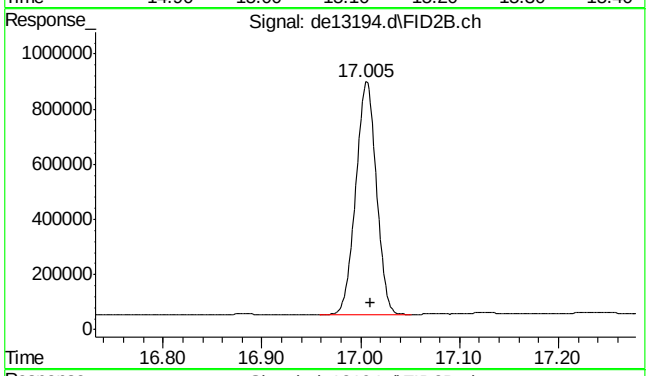
#39 c-28

R.T.: 14.373 min
Delta R.T.: -0.002 min
Response: 1385739
Conc: 20.52 µg/ml



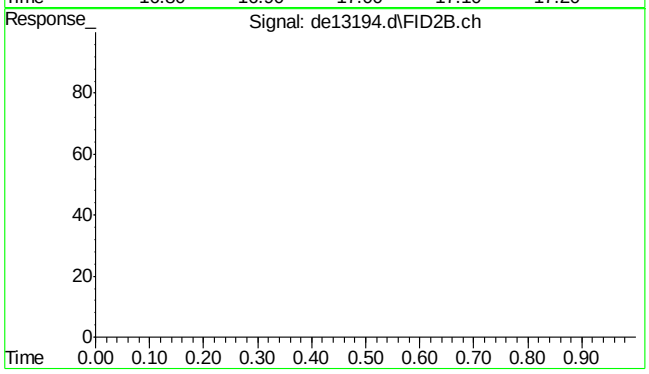
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 1377048
Conc: 20.03 µg/ml m



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 1222680
Conc: 20.01 µg/ml m



#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.4

9

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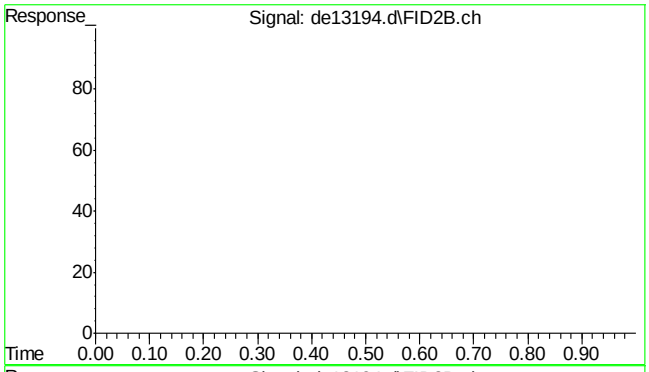
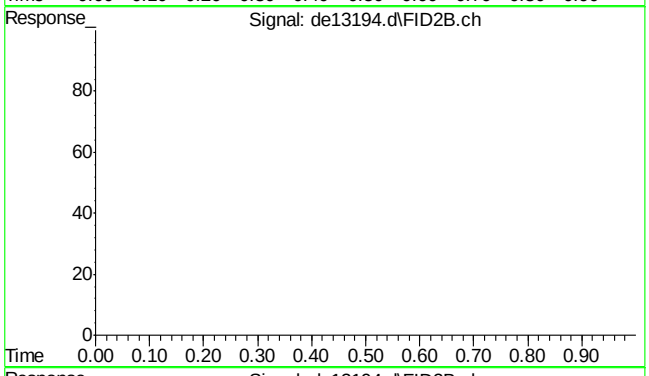


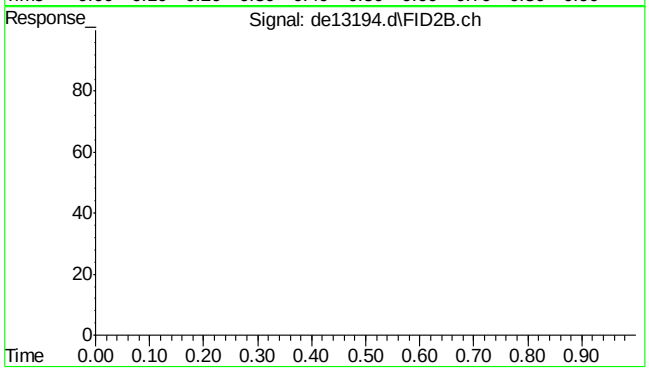
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

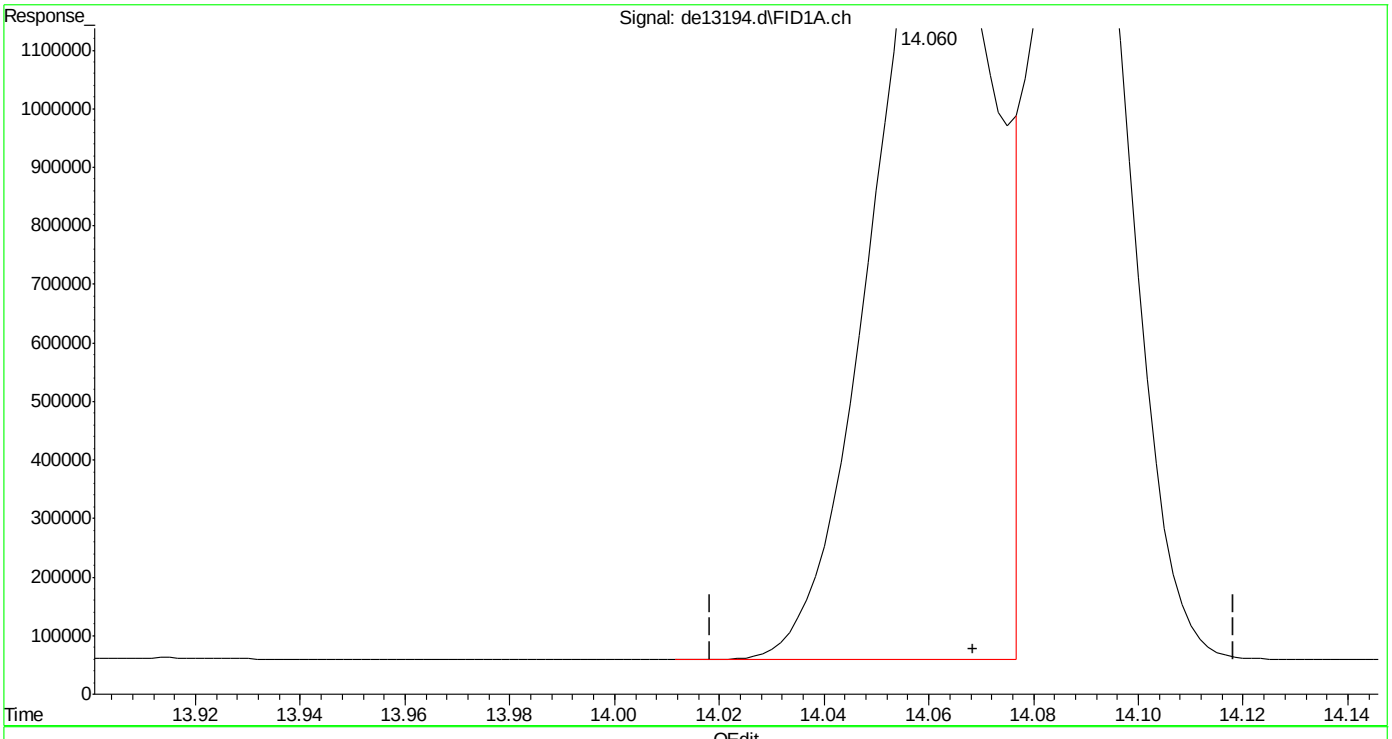
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:47:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.060min 21.786 µg/ml
response 2188193

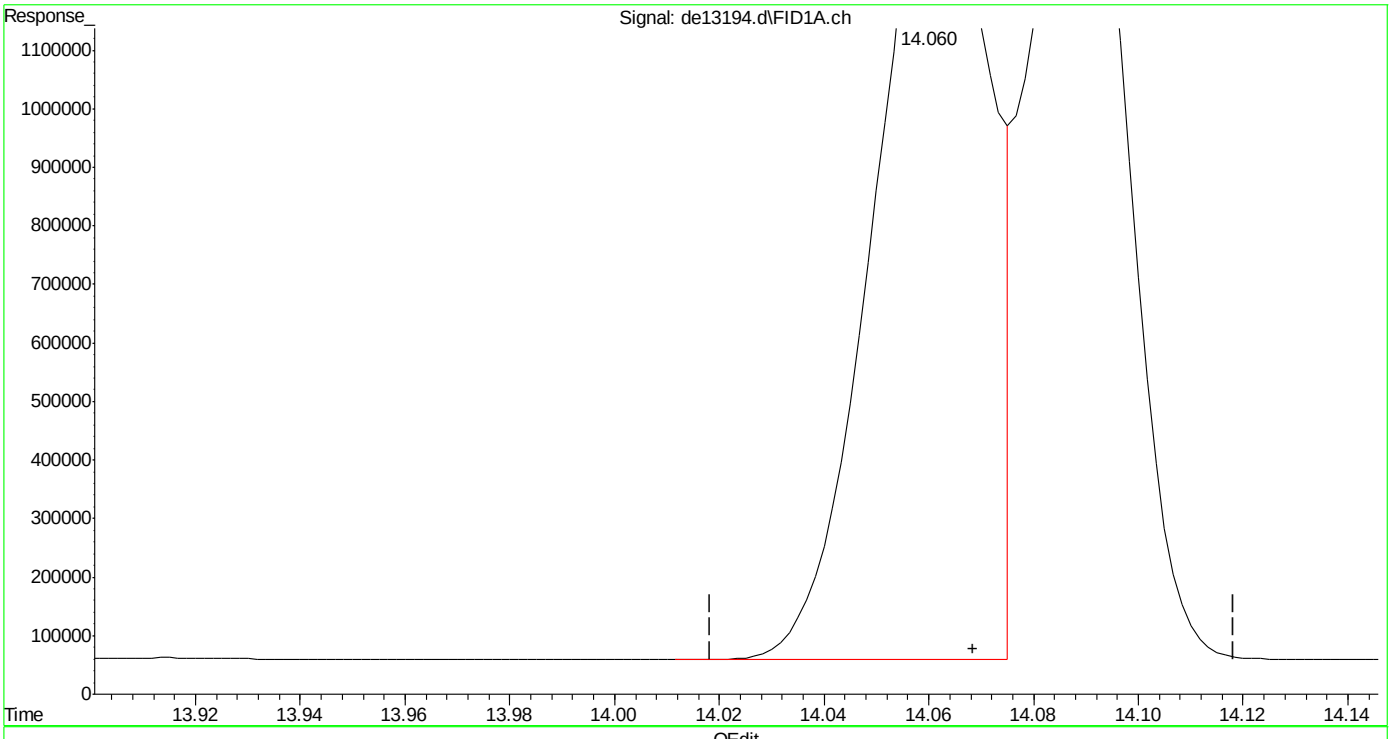
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:47:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.060min 20.856 µg/ml m
response 2094779

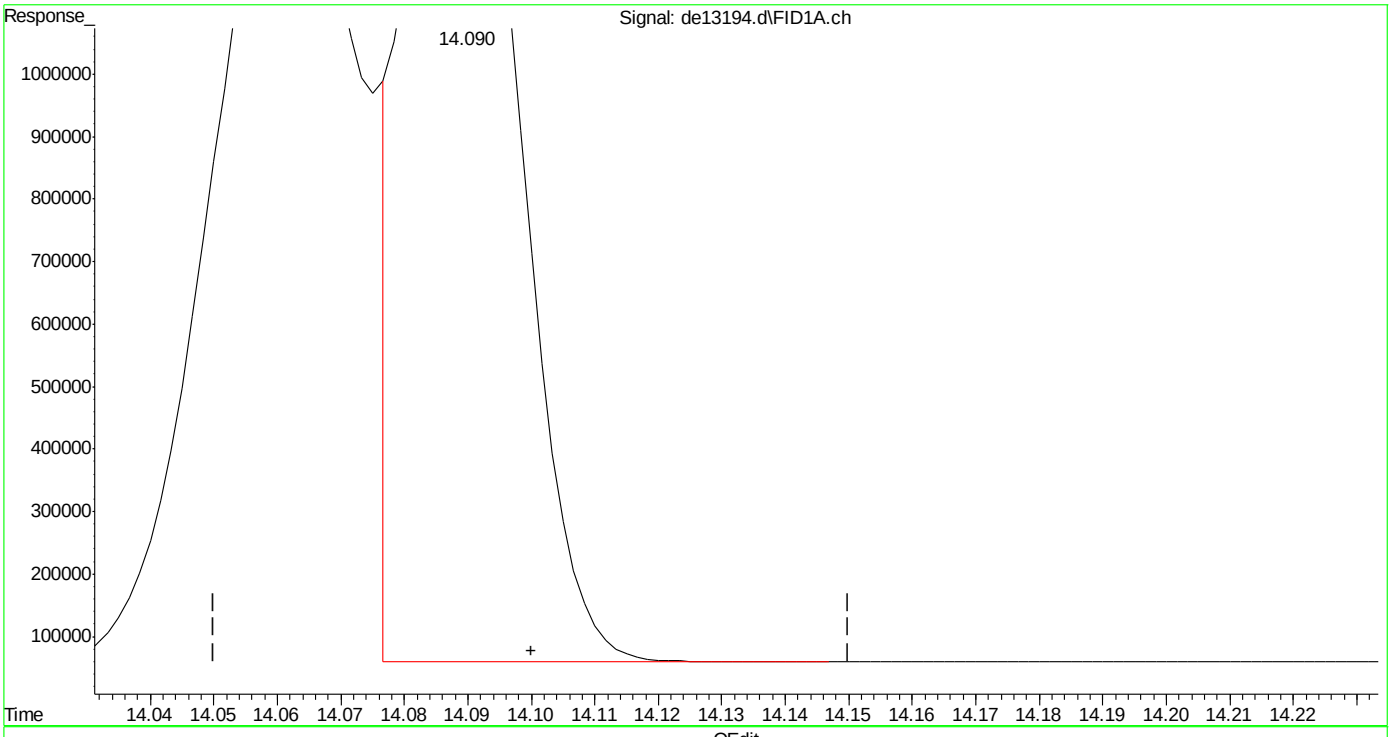
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:47:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.090min 19.228 µg/ml
response 1860456

(+) = Expected Retention Time

EPH160204M.M Fri Feb 05 10:50:38 2016

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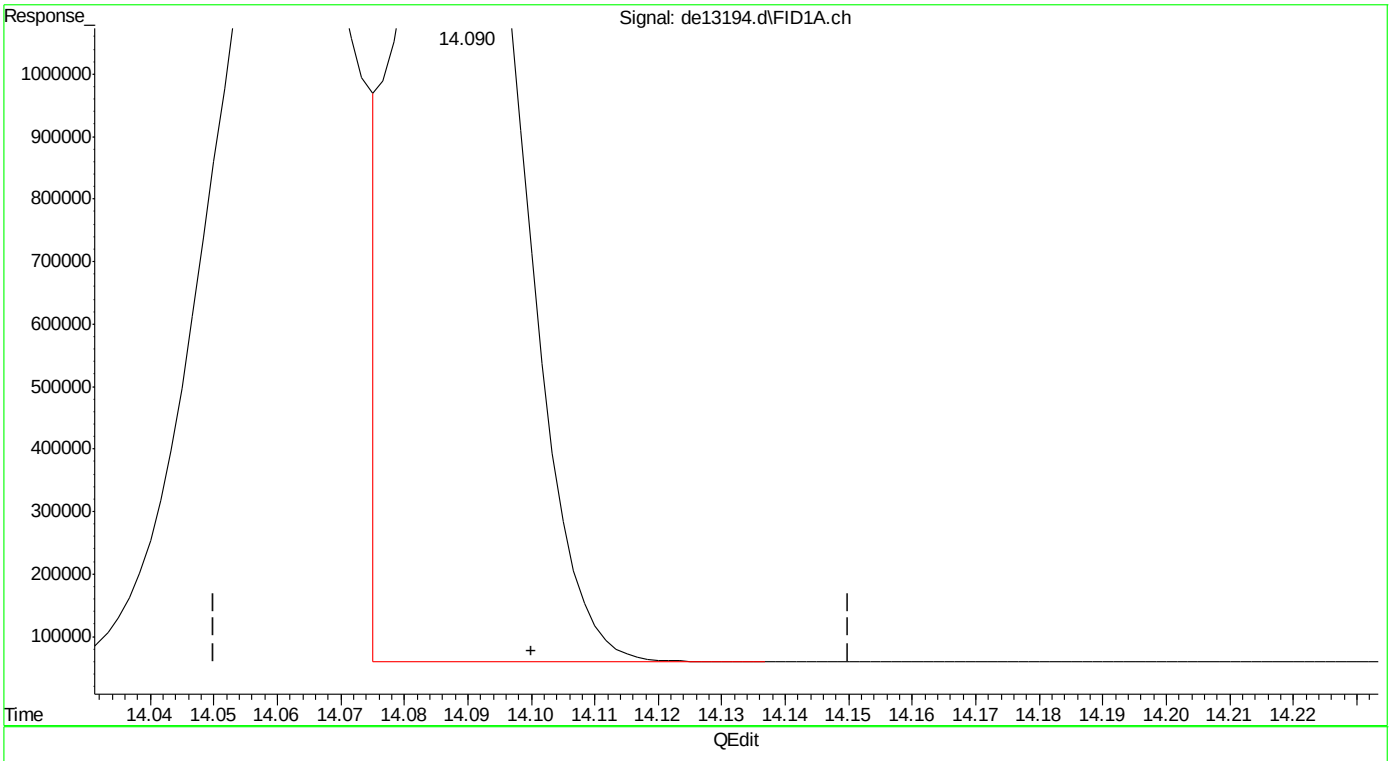
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:47:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.090min 20.187 µg/ml m
response 1953249

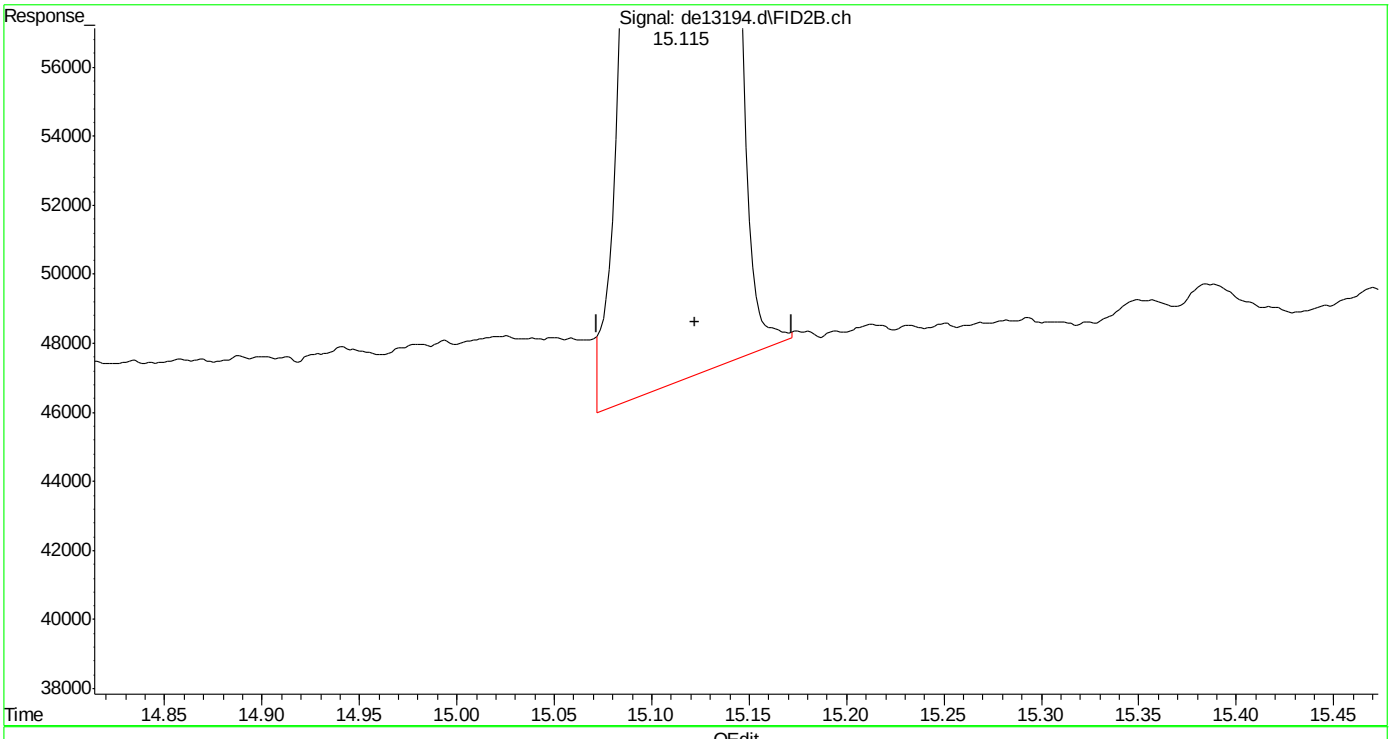
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13194.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:31 pm
Operator : thomasa
Sample : ic735-20
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:47:27 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:46:52 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(40) c-30 (h)
15.122min 20.114 µg/ml
response 1382917

(+) = Expected Retention Time

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:57:08 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.803	4755859	50.970 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 254.85%#	
6) s 2-bromonaphthalene	7.535	3250284	51.239 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 256.19%#	
11) s o-terphenyl	10.083	5257542	50.987 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 254.94%#	
35) s 1-chlorooctadecane	11.252	2679754	47.467 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 237.33%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	87424928	52.817 µg/mlm
2) naphthalene	5.353	5345223	51.089 µg/ml
3) 2-methylnaphthalene	6.252	5287222	50.952 µg/ml
5) acenaphthylene	7.370	5189849	50.857 µg/ml
7) acenaphthene	7.613	5354326	51.245 µg/ml
8) fluorene	8.257	5242546	51.074 µg/ml
9) phenanthrene	9.442	5223164	50.912 µg/ml
10) anthracene	9.498	4970359	51.417 µg/ml
12) fluoranthene	10.948	5079973	50.440 µg/ml
13) pyrene	11.210	5123787	50.161 µg/ml
14) benzo(a)anthracene	12.772	4883350	50.327 µg/ml
15) chrysene	12.820	4951740	50.659 µg/ml
16) benzo(B)fluoranthene	14.068	4980192	49.821 µg/ml
17) benzo(k)fluoranthene	14.100	4922694	51.393 µg/ml
18) benzo(a)pyrene	14.402	4724847	50.445 µg/ml
19) indeno(1,2,3-cd)pyrene	15.543	4854725	50.326 µg/mlm
20) dibenzo(ah)anthracene	15.587	4685536	50.795 µg/mlm
21) benzo(ghi)perylene	15.767	4705124	50.470 µg/ml
25) h c-9	2.680	3541836	46.375 µg/mlm
26) h c-10	3.833	3570776	46.367 µg/ml
27) naphthalene #2	5.513	3805435	47.627 µg/ml
28) c-12	5.688	3545795	46.341 µg/ml
29) 2-methylnaphthalene #2	6.408	3803724	46.794 µg/ml
30) c-14	7.205	3516096	46.029 µg/ml
31) c-16	8.535	3450251	45.521 µg/ml
32) c-18	9.728	3414559	45.531 µg/ml
33) c-19	10.285	3383527	46.150 µg/ml
34) c-20	10.815	3319667	46.221 µg/ml
36) c-22	11.812	3288115	46.440 µg/ml
37) c-24	12.730	3065680	45.782 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:57:08 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

		Compound	R.T.	Response	Conc	Units
38)		c-26	13.582	3260990	46.520	µg/ml
39)		c-28	14.375	3155644	46.526	µg/ml
40)	h	c-30	15.122	3152151	45.837	µg/ml
41)	h	c-36	17.010	2883025	47.180	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.5

9

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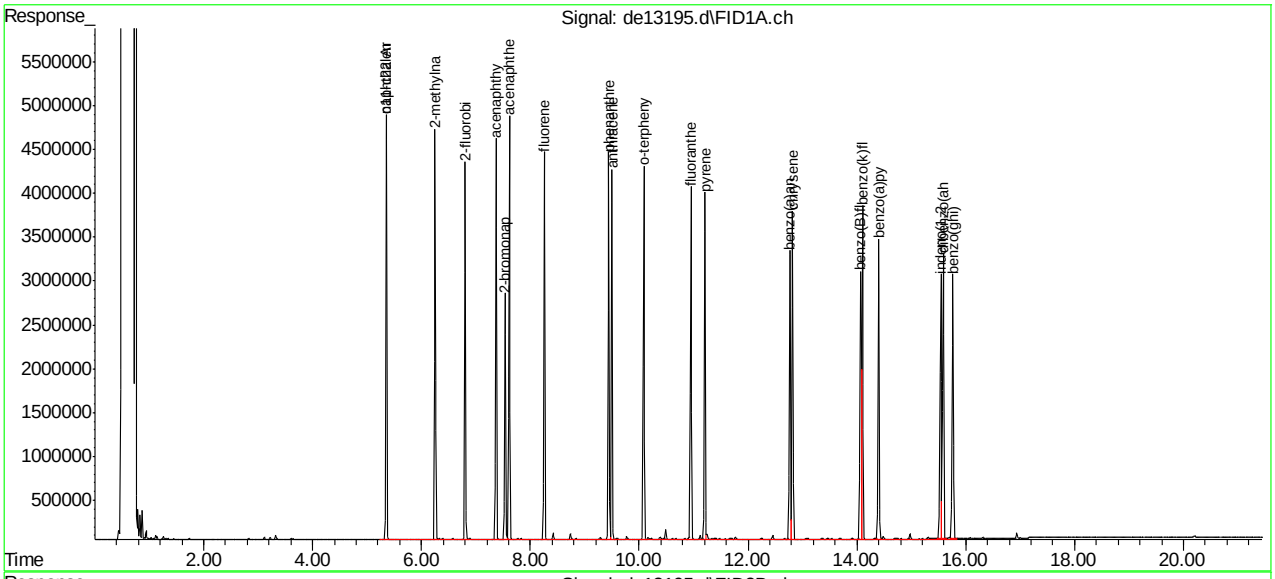
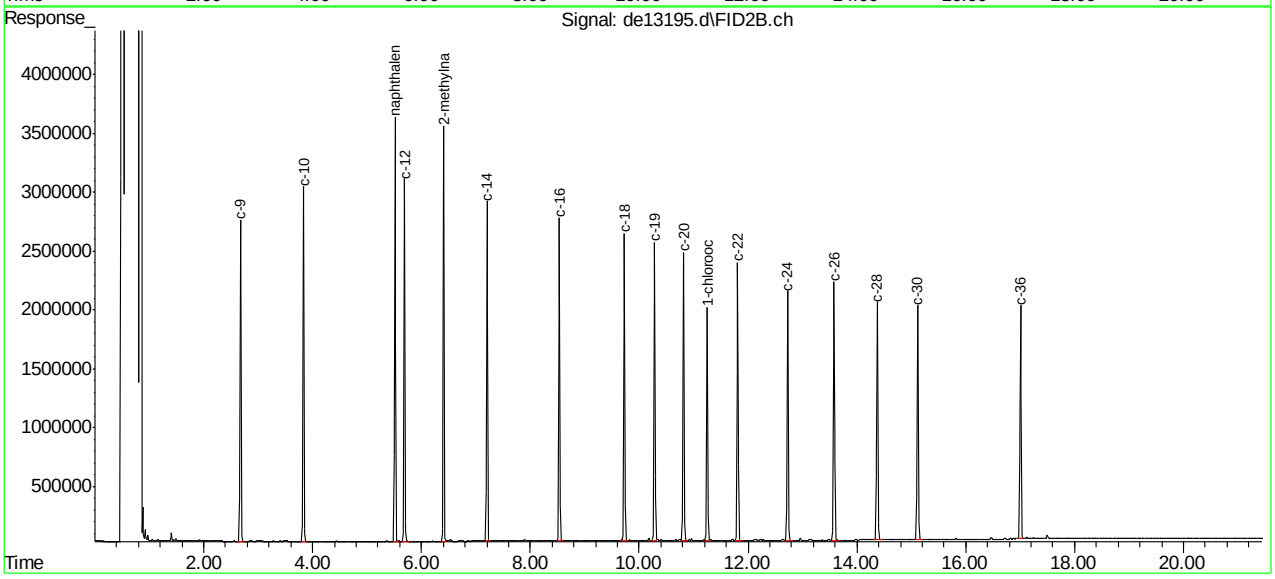
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

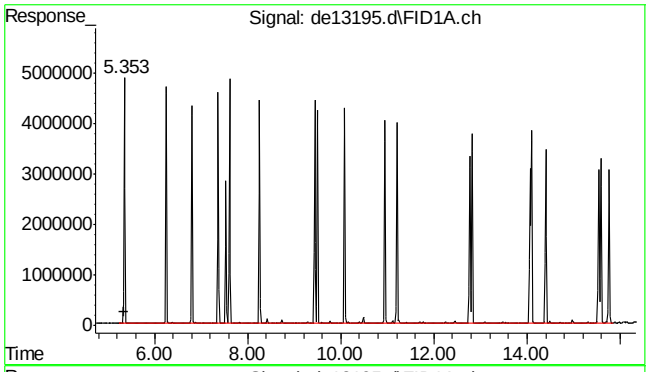
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:57:08 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



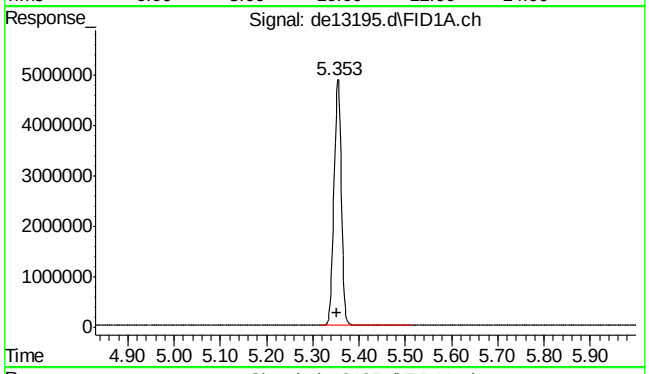


SGS ACCUTEST MC45857



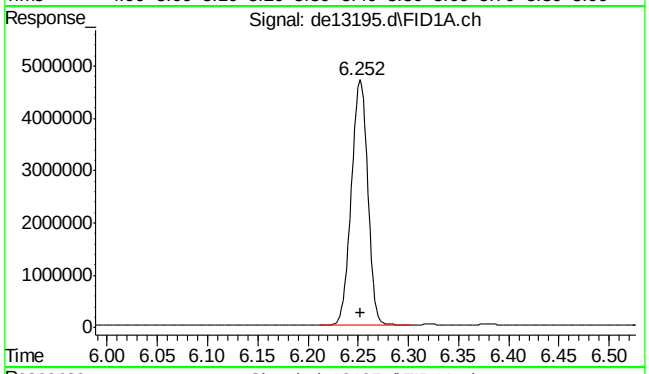
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 87424928
Conc: 52.82 µg/ml m



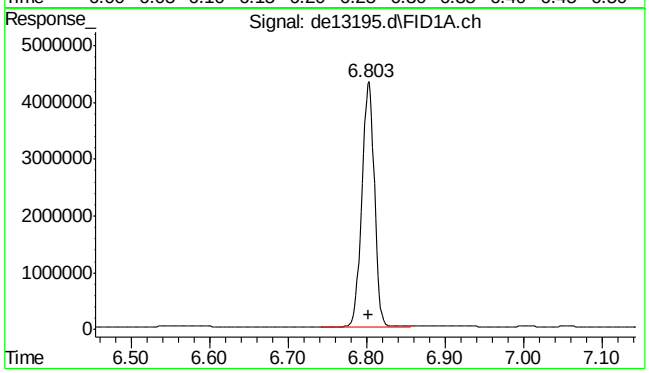
#2 naphthalene

R.T.: 5.353 min
Delta R.T.: 0.000 min
Response: 5345223
Conc: 51.09 µg/ml



#3 2-methylnaphthalene

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 5287222
Conc: 50.95 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.803 min
Delta R.T.: 0.000 min
Response: 4755859
Conc: 50.97 µg/ml

9.4.5

9

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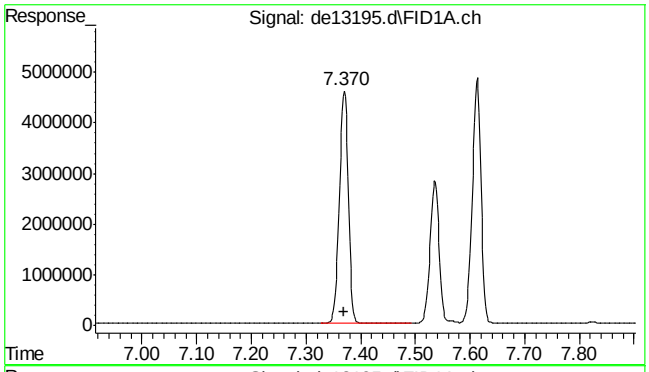
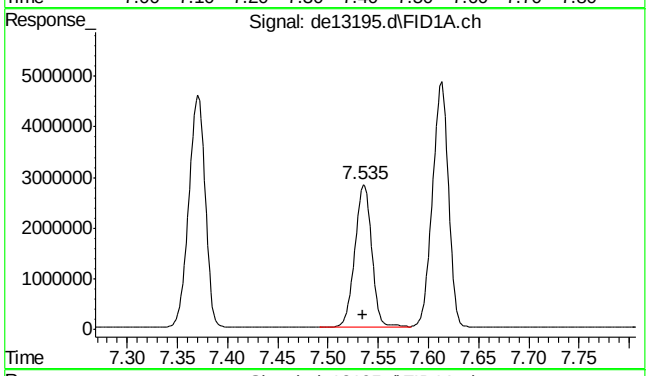


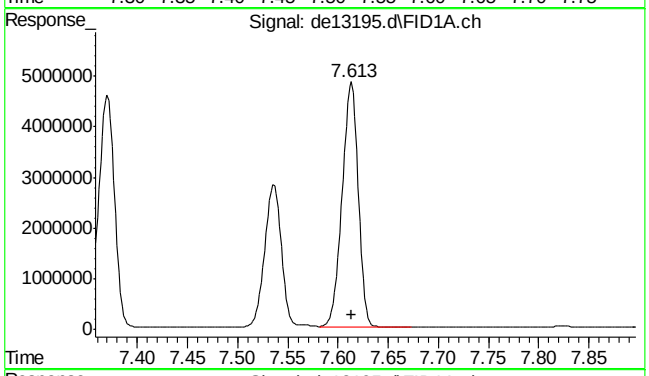
#5 acenaphthylene

R.T.: 7.370 min
Delta R.T.: 0.000 min
Response: 5189849
Conc: 50.86 µg/ml



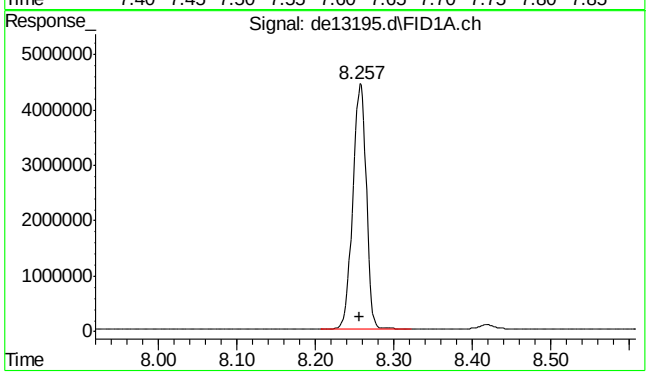
#6 2-bromonaphthalene

R.T.: 7.535 min
Delta R.T.: 0.000 min
Response: 3250284
Conc: 51.24 µg/ml



#7 acenaphthene

R.T.: 7.613 min
Delta R.T.: 0.000 min
Response: 5354326
Conc: 51.25 µg/ml



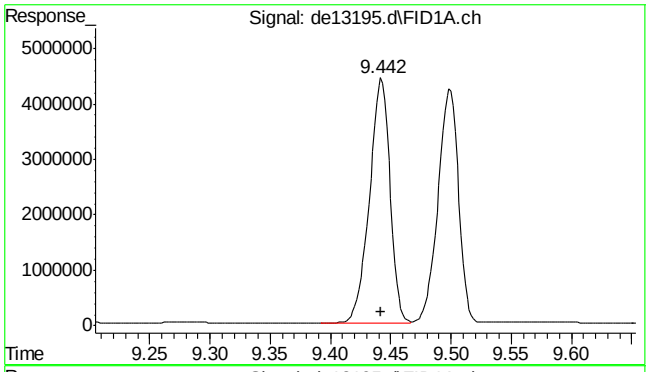
#8 fluorene

R.T.: 8.257 min
Delta R.T.: 0.000 min
Response: 5242546
Conc: 51.07 µg/ml

9.4.5

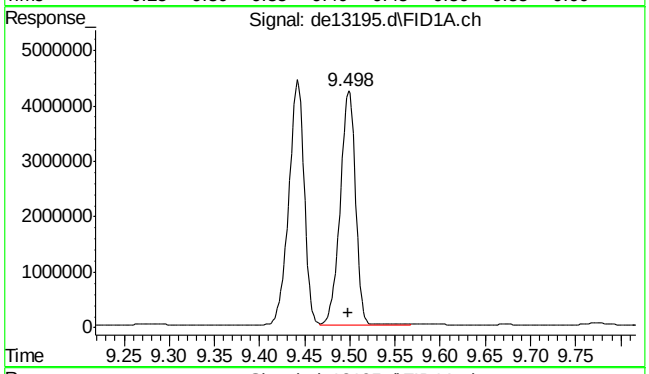
9

SGS ACCUTEST MC45857



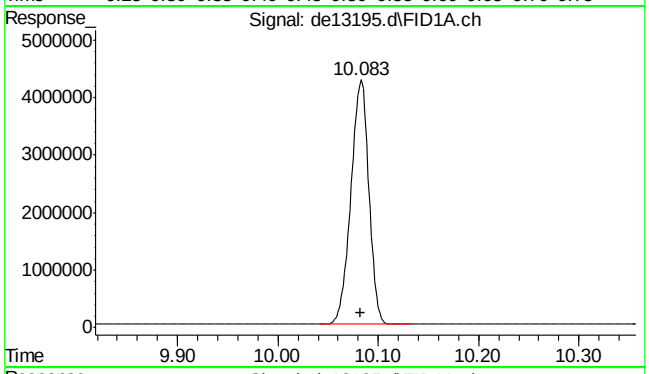
#9 phenanthrene

R.T.: 9.442 min
Delta R.T.: 0.000 min
Response: 5223164
Conc: 50.91 µg/ml



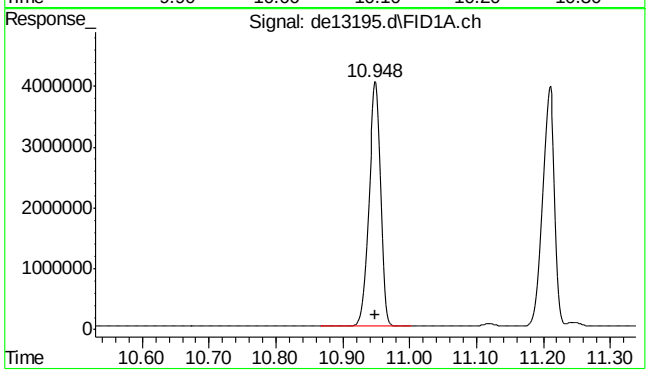
#10 anthracene

R.T.: 9.498 min
Delta R.T.: 0.000 min
Response: 4970359
Conc: 51.42 µg/ml



#11 o-terphenyl

R.T.: 10.083 min
Delta R.T.: 0.000 min
Response: 5257542
Conc: 50.99 µg/ml



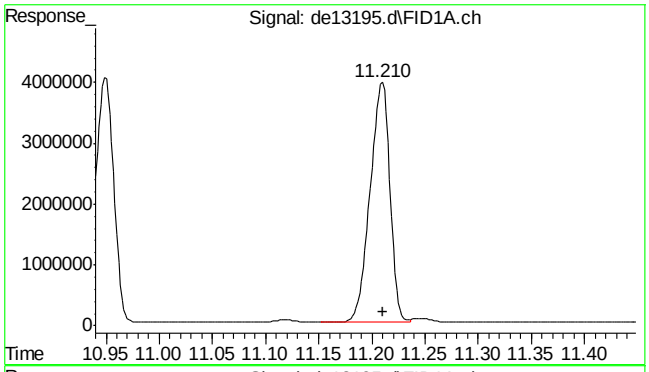
#12 fluoranthene

R.T.: 10.948 min
Delta R.T.: 0.000 min
Response: 5079973
Conc: 50.44 µg/ml

9.4.5

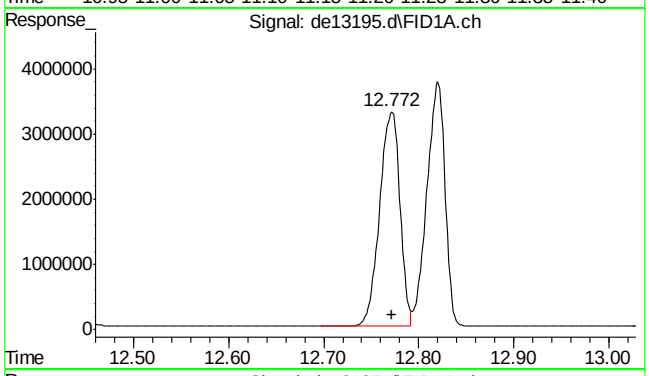
9

SGS ACCUTEST MC45857



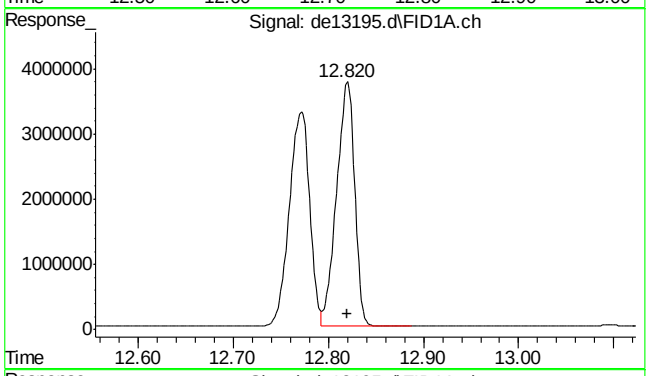
#13 pyrene

R.T.: 11.210 min
Delta R.T.: 0.000 min
Response: 5123787
Conc: 50.16 µg/ml



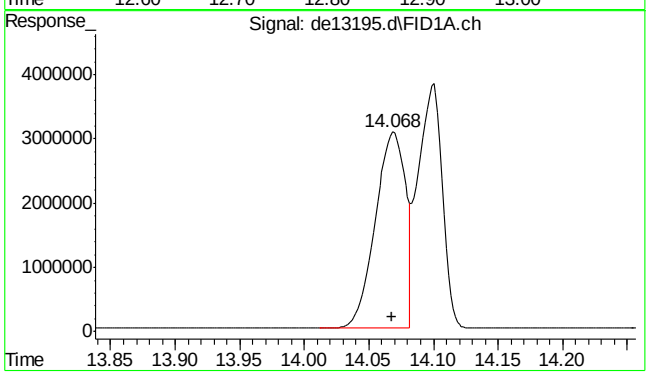
#14 benzo(a)anthracene

R.T.: 12.772 min
Delta R.T.: 0.000 min
Response: 4883350
Conc: 50.33 µg/ml



#15 chrysene

R.T.: 12.820 min
Delta R.T.: 0.000 min
Response: 4951740
Conc: 50.66 µg/ml



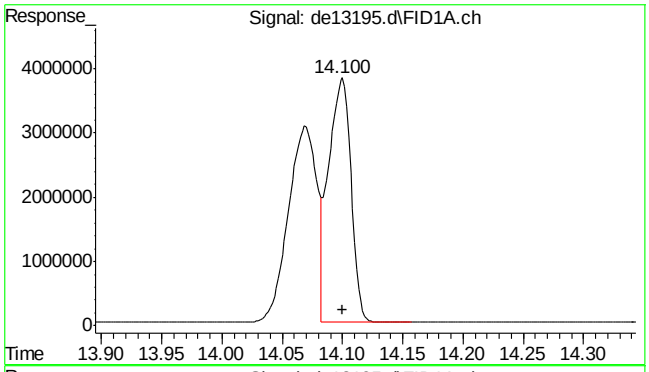
#16 benzo(B)fluoranthene

R.T.: 14.068 min
Delta R.T.: 0.000 min
Response: 4980192
Conc: 49.82 µg/ml

9.4.5

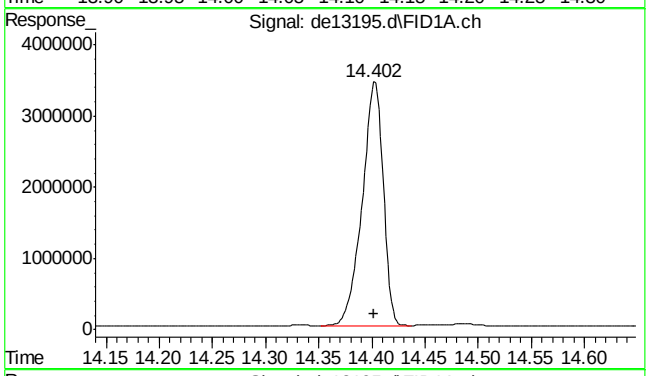
9

SGS ACCUTEST MC45857



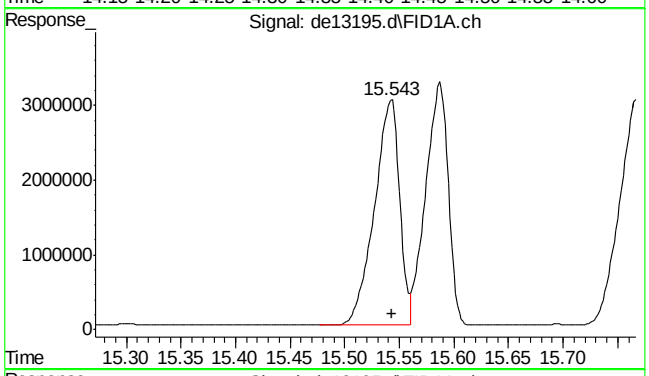
#17 benzo(k)fluoranthene

R.T.: 14.100 min
Delta R.T.: 0.000 min
Response: 4922694
Conc: 51.39 µg/ml



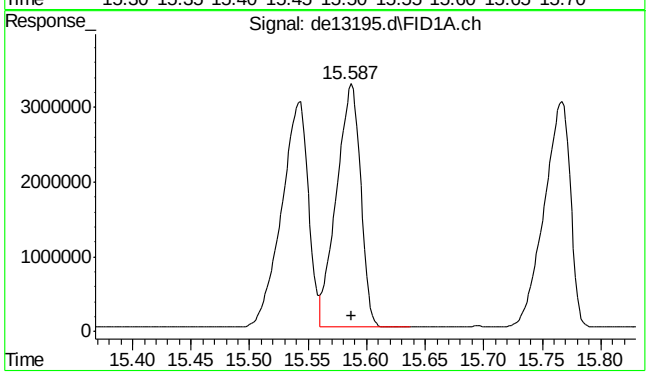
#18 benzo(a)pyrene

R.T.: 14.402 min
Delta R.T.: 0.000 min
Response: 4724847
Conc: 50.44 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.543 min
Delta R.T.: 0.000 min
Response: 4854725
Conc: 50.33 µg/ml m



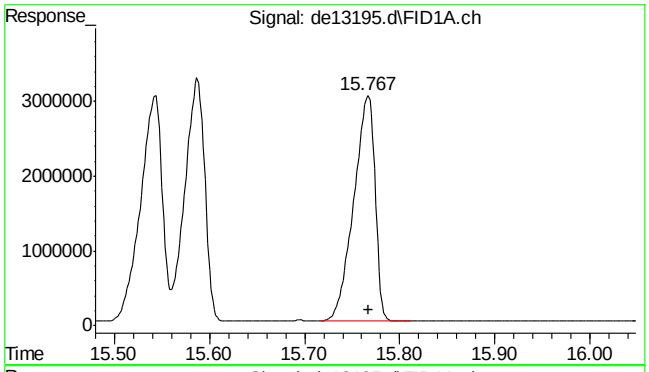
#20 dibenzo(ah)anthracene

R.T.: 15.587 min
Delta R.T.: 0.000 min
Response: 4685536
Conc: 50.80 µg/ml m

9.4.5

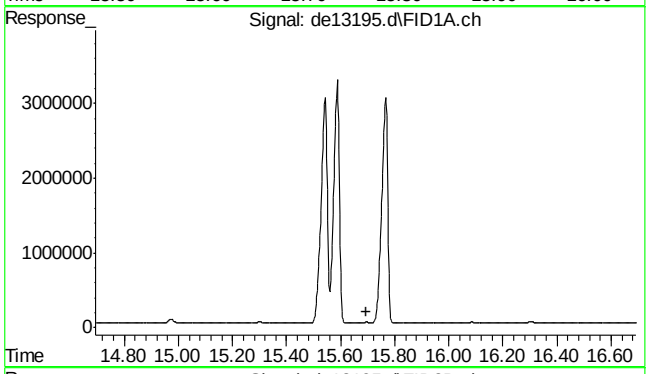
9

SGS ACCUTEST MC45857



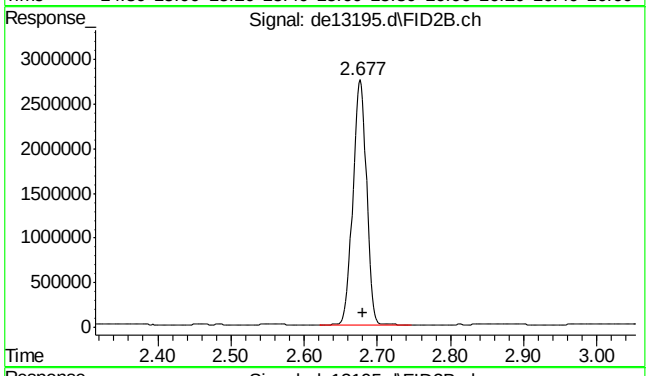
#21 benzo(ghi)perylene

R.T.: 15.767 min
Delta R.T.: 0.000 min
Response: 4705124
Conc: 50.47 µg/ml



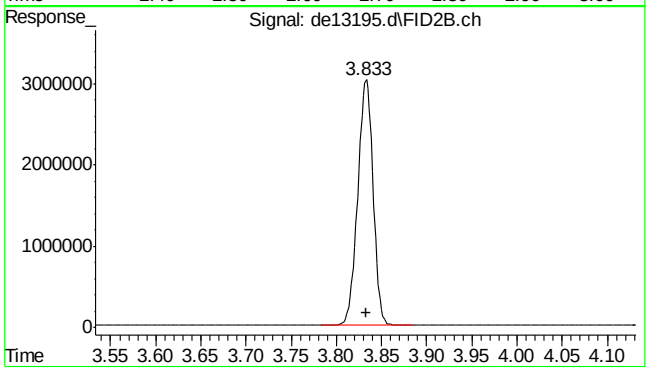
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 3541836
Conc: 46.37 µg/ml m



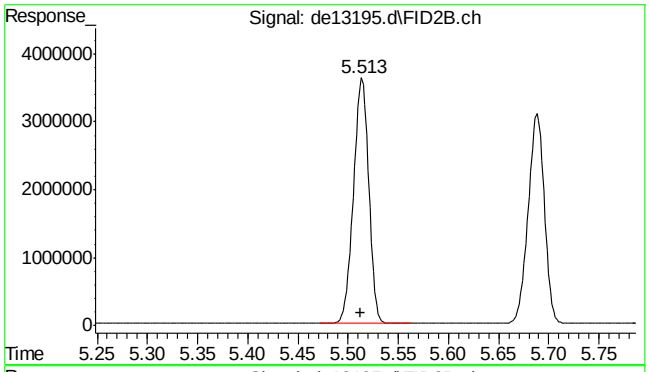
#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 3570776
Conc: 46.37 µg/ml

9.4.5

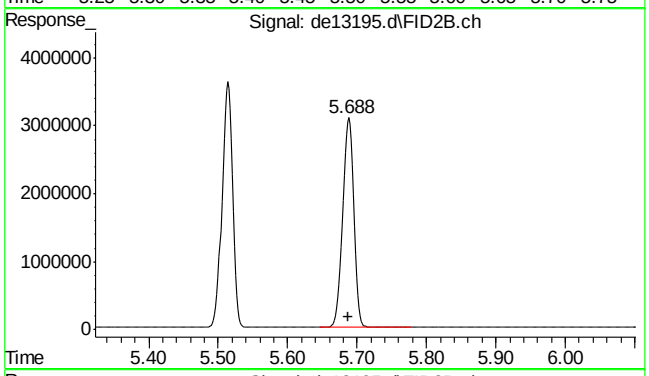
9

SGS ACCUTEST MC45857



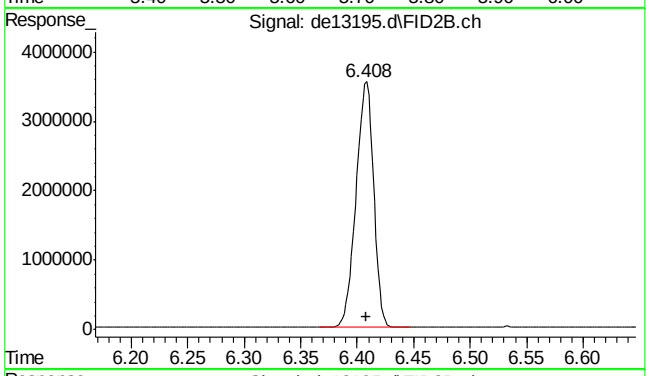
#27 naphthalene #2

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 3805435
Conc: 47.63 µg/ml



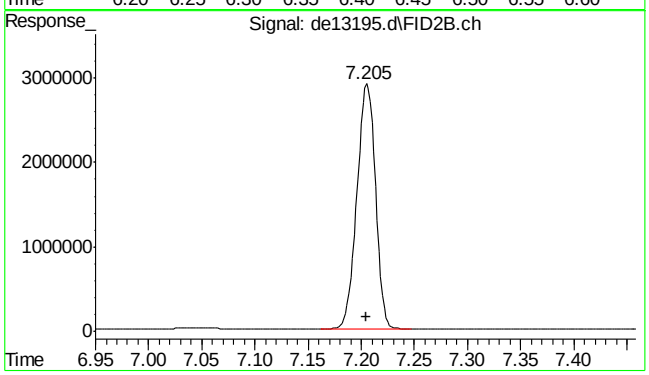
#28 c-12

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 3545795
Conc: 46.34 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.408 min
Delta R.T.: 0.000 min
Response: 3803724
Conc: 46.79 µg/ml



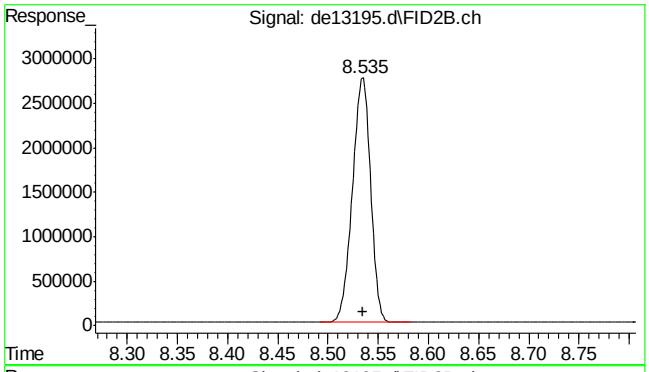
#30 c-14

R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 3516096
Conc: 46.03 µg/ml

9.4.5

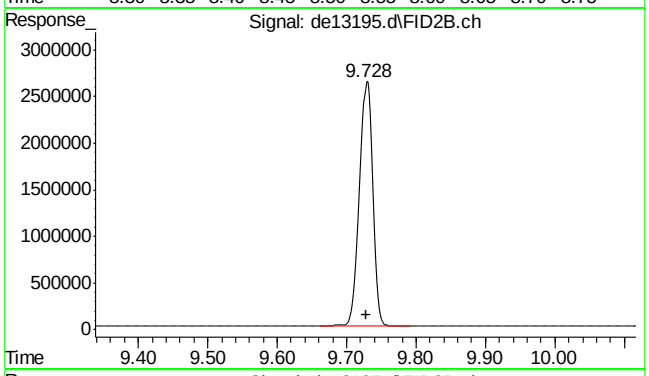
9

SGS ACCUTEST MC45857



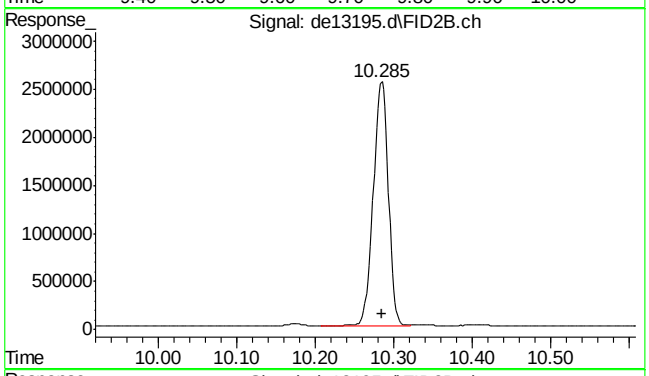
#31 c-16

R.T.: 8.535 min
Delta R.T.: 0.000 min
Response: 3450251
Conc: 45.52 µg/ml



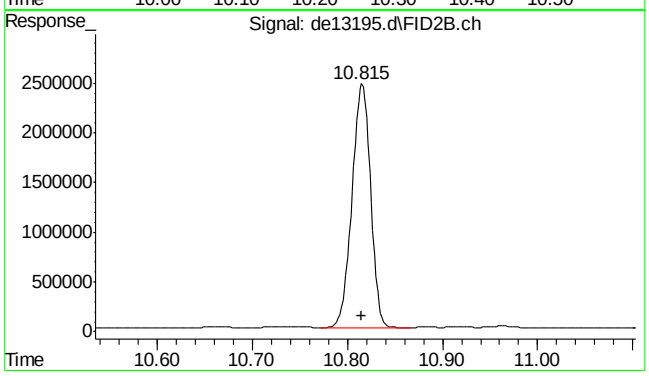
#32 c-18

R.T.: 9.728 min
Delta R.T.: 0.000 min
Response: 3414559
Conc: 45.53 µg/ml



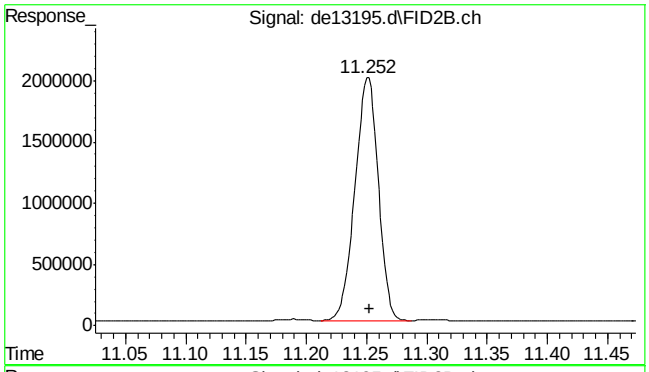
#33 c-19

R.T.: 10.285 min
Delta R.T.: 0.000 min
Response: 3383527
Conc: 46.15 µg/ml



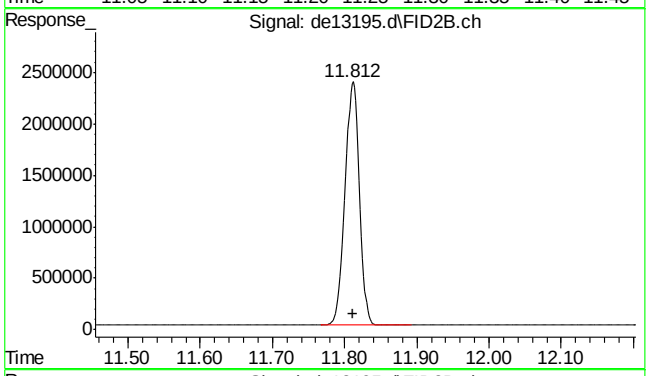
#34 c-20

R.T.: 10.815 min
Delta R.T.: 0.000 min
Response: 3319667
Conc: 46.22 µg/ml



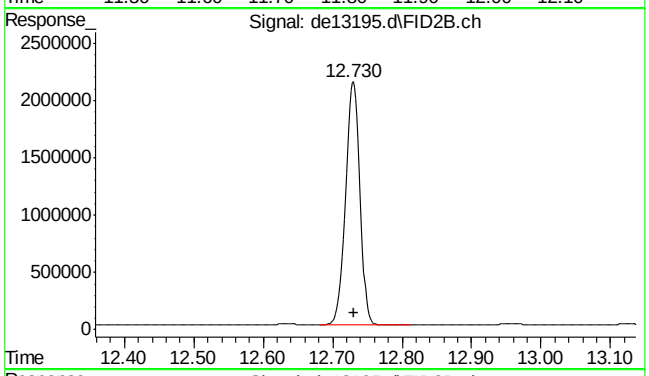
#35 1-chlorooctadecane

R.T.: 11.252 min
Delta R.T.: 0.000 min
Response: 2679754
Conc: 47.47 µg/ml



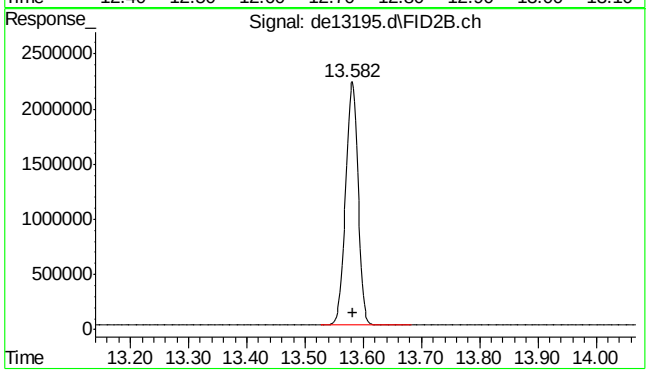
#36 c-22

R.T.: 11.812 min
Delta R.T.: 0.000 min
Response: 3288115
Conc: 46.44 µg/ml



#37 c-24

R.T.: 12.730 min
Delta R.T.: 0.000 min
Response: 3065680
Conc: 45.78 µg/ml



#38 c-26

R.T.: 13.582 min
Delta R.T.: 0.000 min
Response: 3260990
Conc: 46.52 µg/ml

9.4.5

9

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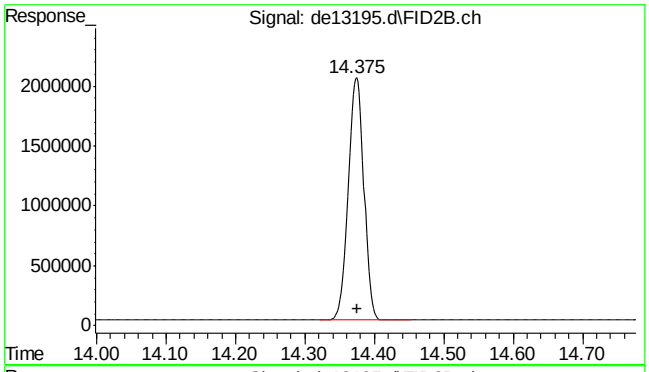
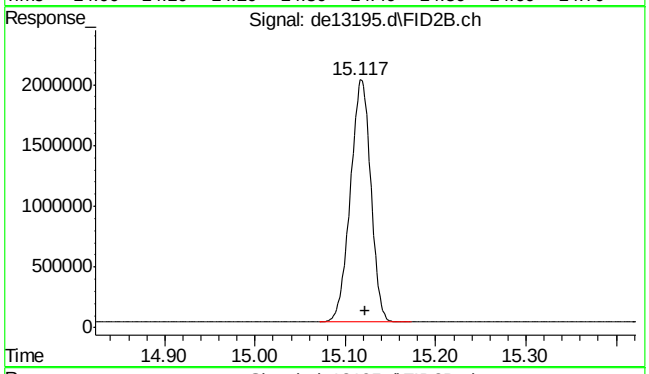


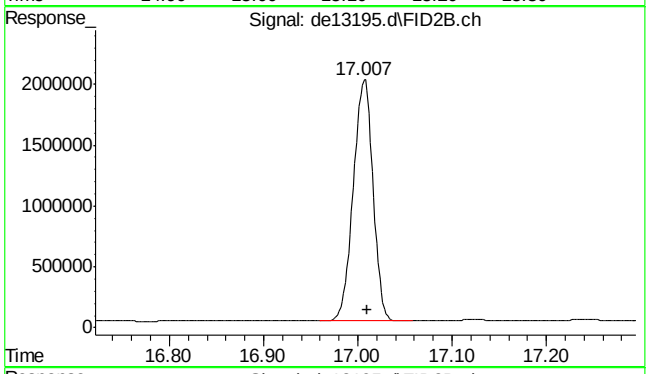
#39 c-28

R.T.: 14.375 min
Delta R.T.: 0.000 min
Response: 3155644
Conc: 46.53 µg/ml



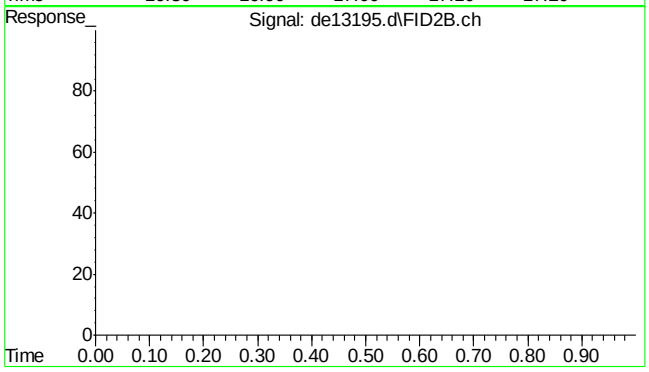
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 3152151
Conc: 45.84 µg/ml



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 2883025
Conc: 47.18 µg/ml m



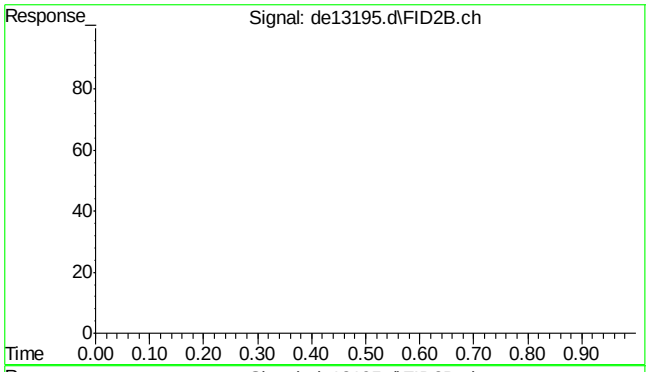
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.5

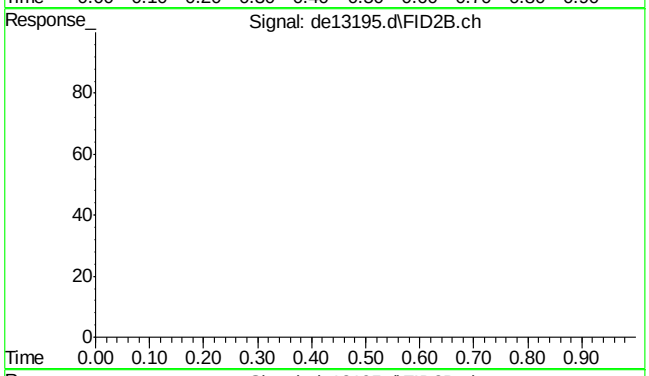
9

SGS ACCUTEST MC45857



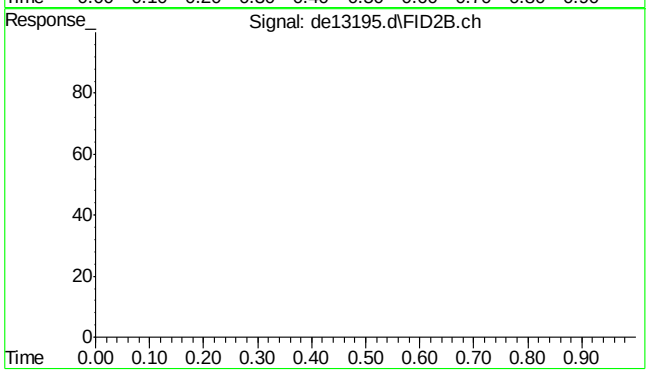
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

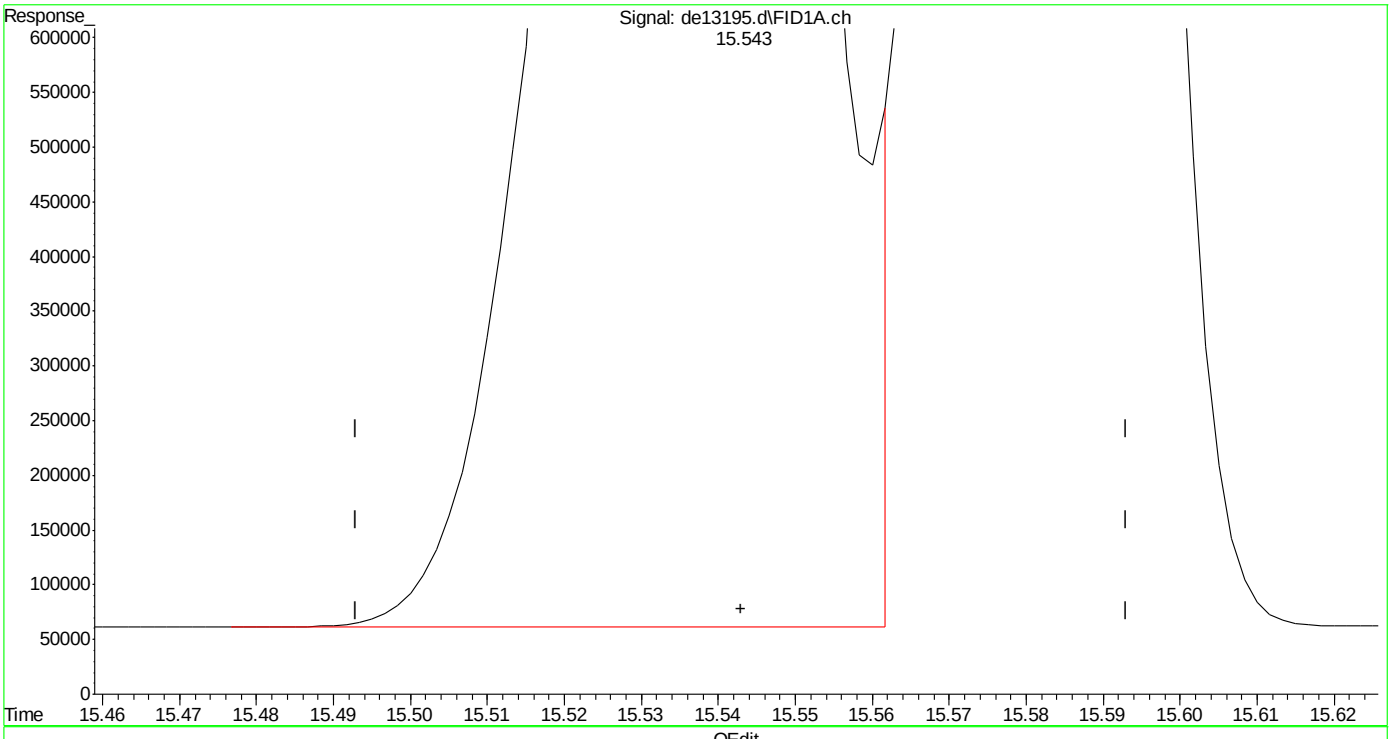
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:55:29 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.543min 50.804 µg/ml
response 4900817

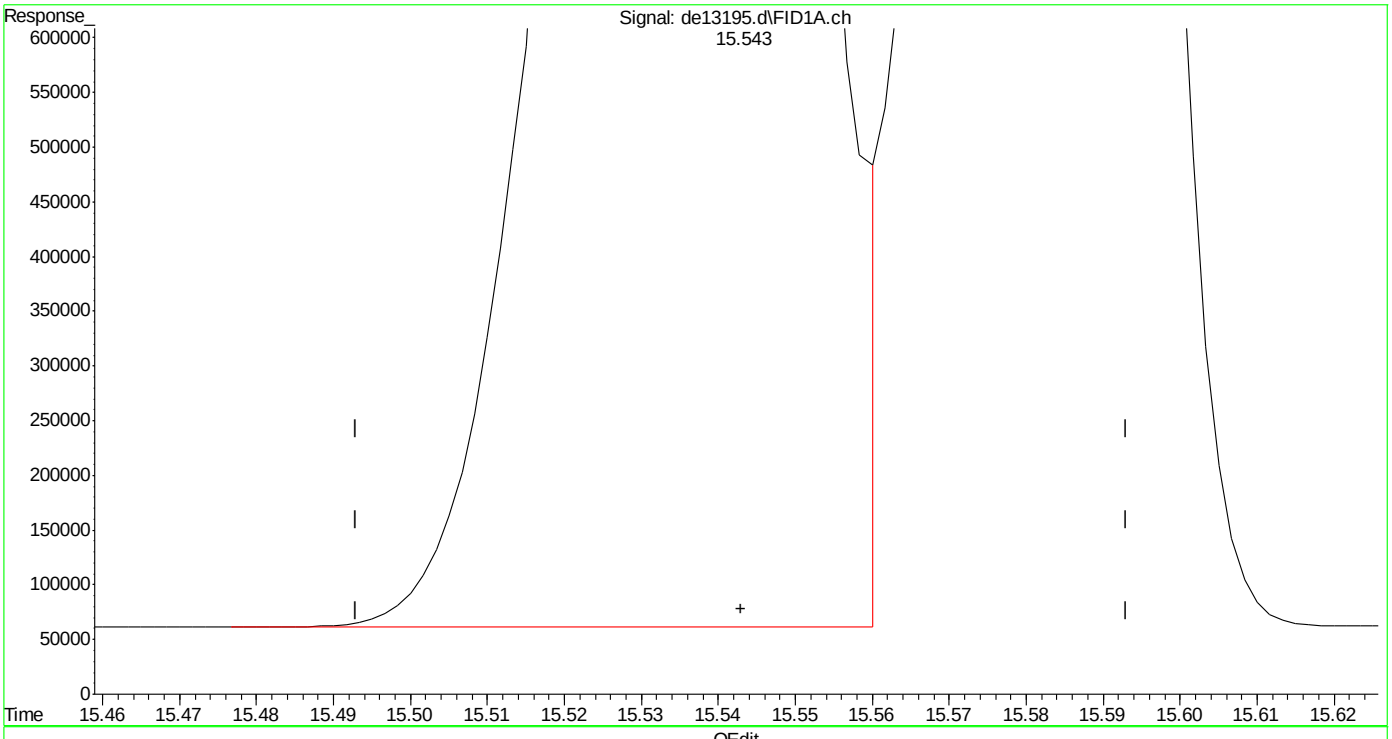
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:55:29 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.543min 50.326 µg/ml m
response 4854725

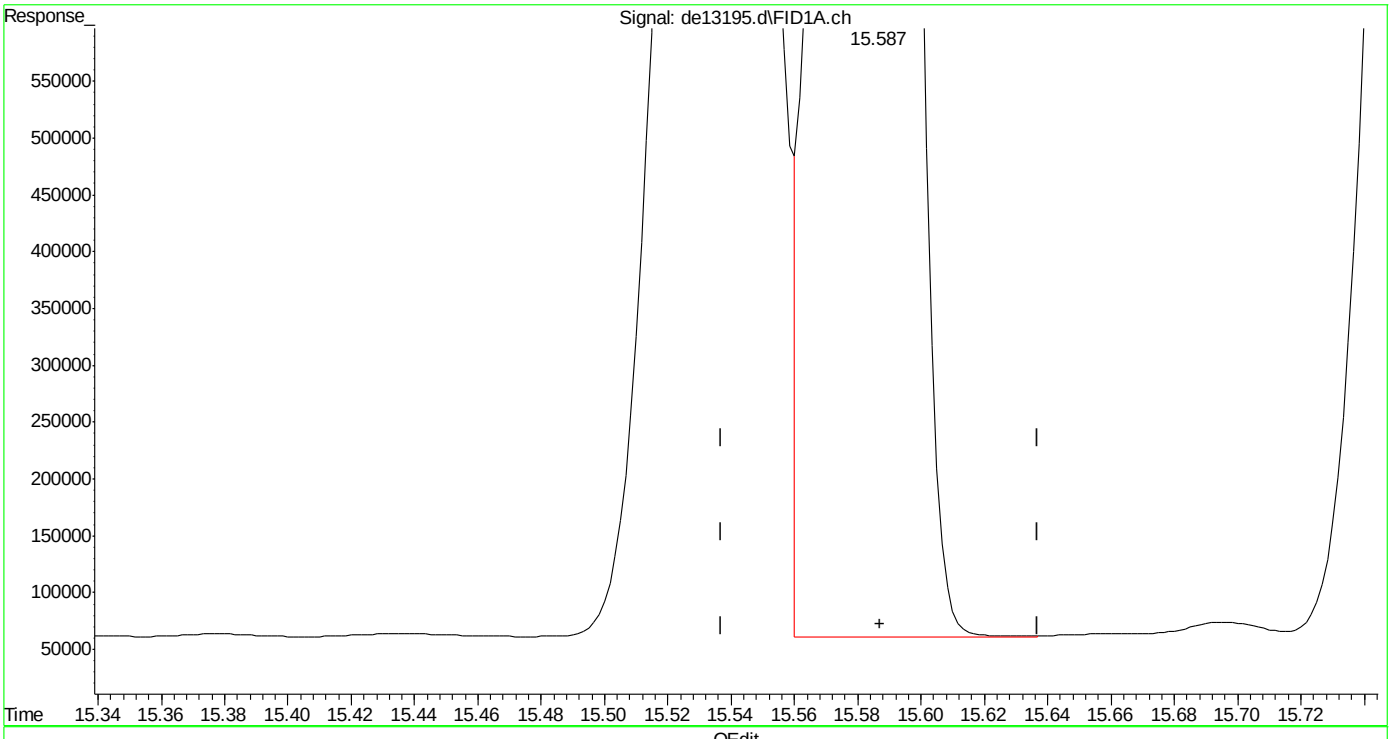
(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 10:56:17 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13195.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 5:59 pm
Operator : thomasa
Sample : icc735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 10 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:55:29 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:54:28 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.587min 50.795 µg/ml m
response 4685536

(+) = Expected Retention Time

SGS ACCUTEST MC45857

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:26 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.807	8980683	96.248 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 481.24%#	
6) s 2-bromonaphthalene	7.540	6121297	96.499 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 482.49%#	
11) s o-terphenyl	10.087	9937595	96.373 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 481.87%#	
35) s 1-chlorooctadecane	11.253	5337791	94.549 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 472.75%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	164719881	99.532 µg/mlm
2) naphthalene	5.358	10142634	96.942 µg/ml
3) 2-methylnaphthalene	6.257	9997868	96.348 µg/ml
5) acenaphthylene	7.375	9776029	95.799 µg/ml
7) acenaphthene	7.618	10095451	96.622 µg/ml
8) fluorene	8.263	9889893	96.350 µg/ml
9) phenanthrene	9.448	9875264	96.257 µg/ml
10) anthracene	9.507	9378790	97.021 µg/ml
12) fluoranthene	10.957	9629565	95.613 µg/ml
13) pyrene	11.217	9876553	96.690 µg/ml
14) benzo(a)anthracene	12.778	9324427	96.095 µg/mlm
15) chrysene	12.830	9386529	96.029 µg/mlm
16) benzo(B)fluoranthene	14.078	9460698	94.644 µg/ml
17) benzo(k)fluoranthene	14.113	9345183	97.563 µg/ml
18) benzo(a)pyrene	14.417	8964794	95.712 µg/ml
19) indeno(1,2,3-cd)pyrene	15.555	9240715	95.924 µg/ml
20) dibenzo(ah)anthracene	15.600	8726656	94.448 µg/ml
21) benzo(ghi)perylene	15.782	8869696	95.141 µg/ml
25) h c-9	2.680	7080731	92.721 µg/mlm
26) h c-10	3.833	7121293	92.471 µg/ml
27) naphthalene #2	5.518	7593446	95.036 µg/ml
28) c-12	5.692	7047399	92.105 µg/ml
29) 2-methylnaphthalene #2	6.412	7564728	93.063 µg/ml
30) c-14	7.208	6951061	90.996 µg/ml
31) c-16	8.538	6811631	89.870 µg/ml
32) c-18	9.732	6758324	90.119 µg/ml
33) c-19	10.288	6704725	91.450 µg/ml
34) c-20	10.818	6591283	91.774 µg/ml
36) c-22	11.815	6550653	92.519 µg/ml
37) c-24	12.733	6102937	91.140 µg/ml

SGS ACCUTEST MC45857

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:26 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
38)	c-26	13.585	6486501	92.533	µg/ml
39)	c-28	14.378	6270223	92.446	µg/ml
40) h	c-30	15.122	6235140	90.668	µg/ml
41) h	c-36	17.010	5572797	91.214	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.6

9

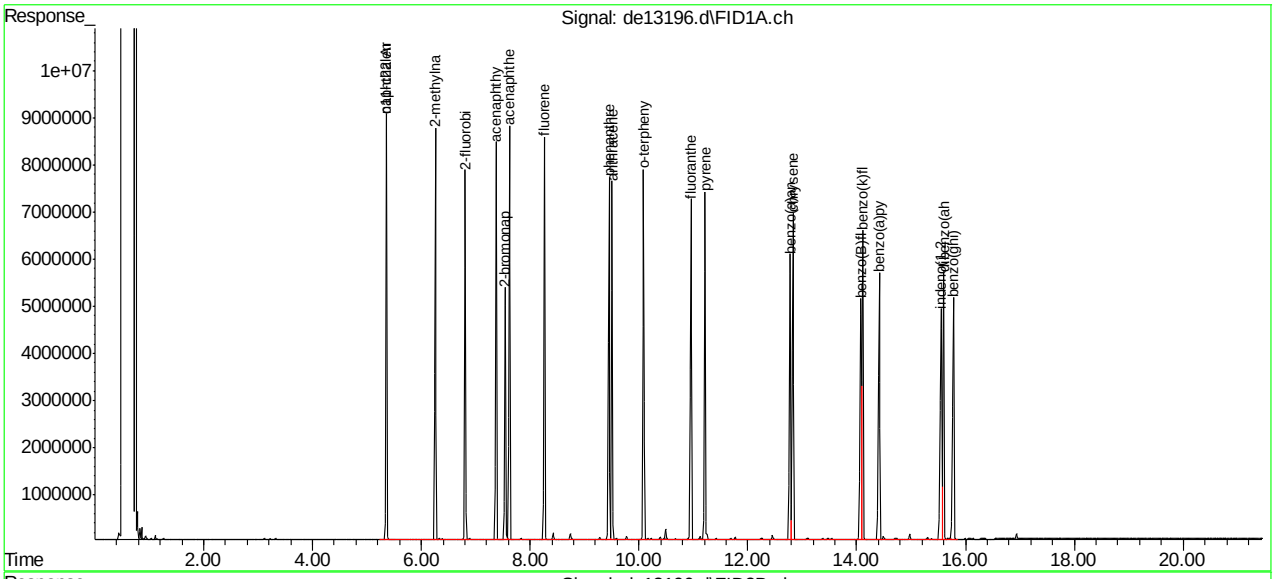
SGS ACCUTEST MC45857

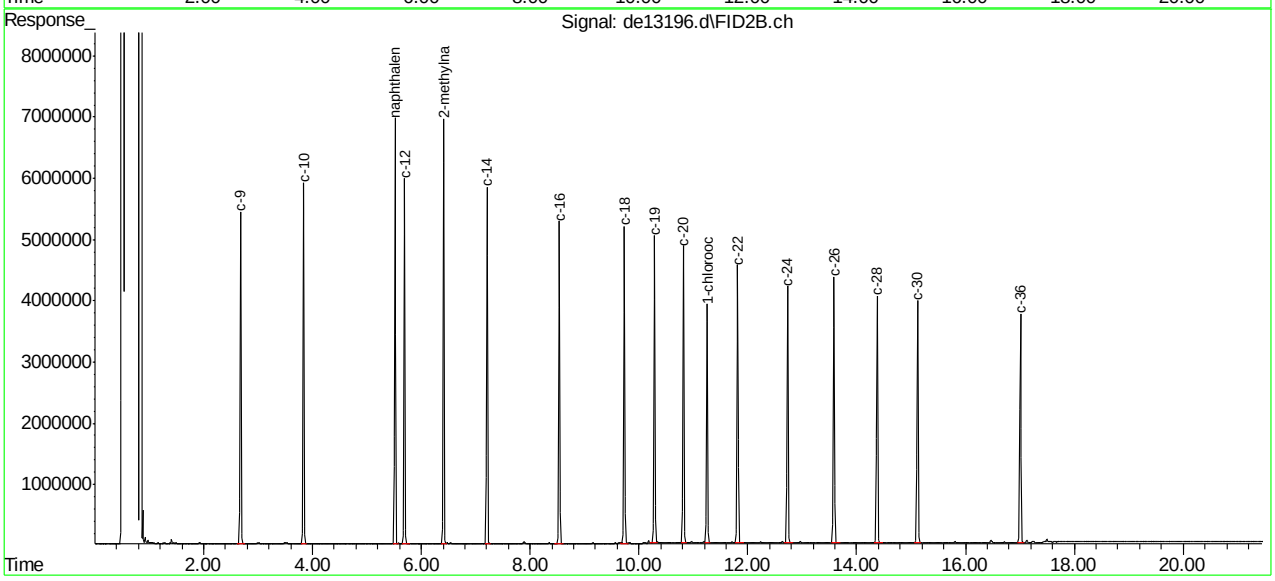
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

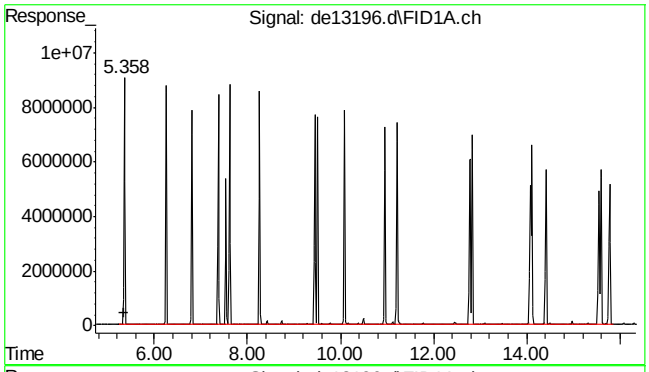
Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:26 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



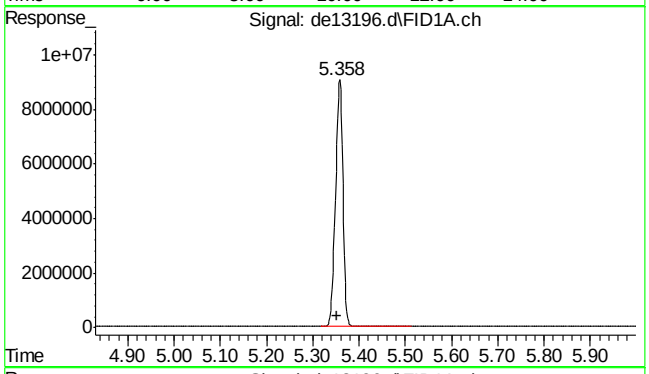


SGS ACCUTEST MC45857



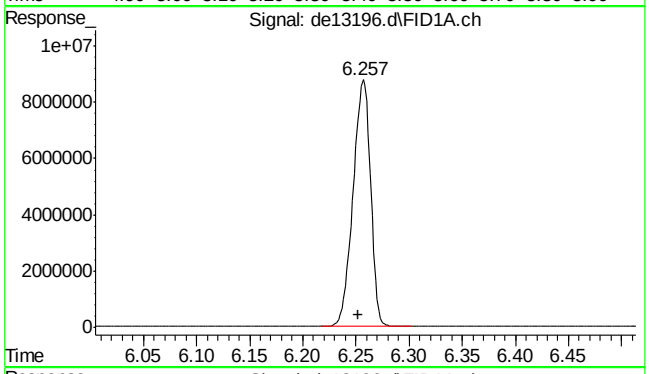
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 164719881
Conc: 99.53 µg/ml m



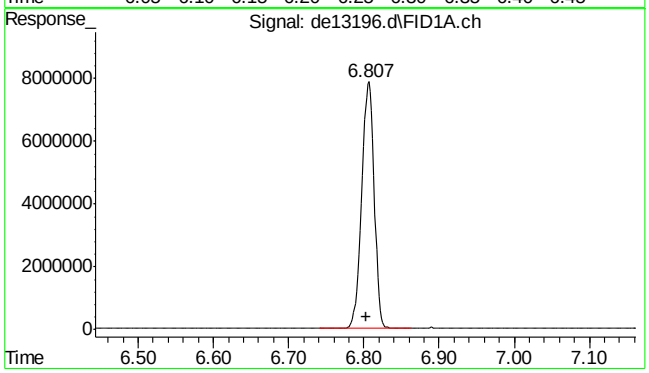
#2 naphthalene

R.T.: 5.358 min
Delta R.T.: 0.005 min
Response: 10142634
Conc: 96.94 µg/ml



#3 2-methylnaphthalene

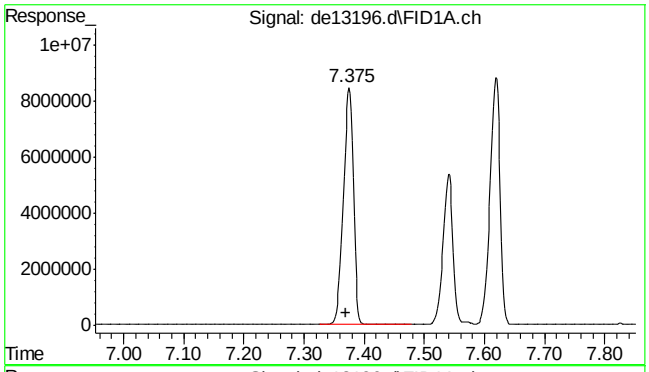
R.T.: 6.257 min
Delta R.T.: 0.005 min
Response: 9997868
Conc: 96.35 µg/ml



#4 2-fluorobiphenyl

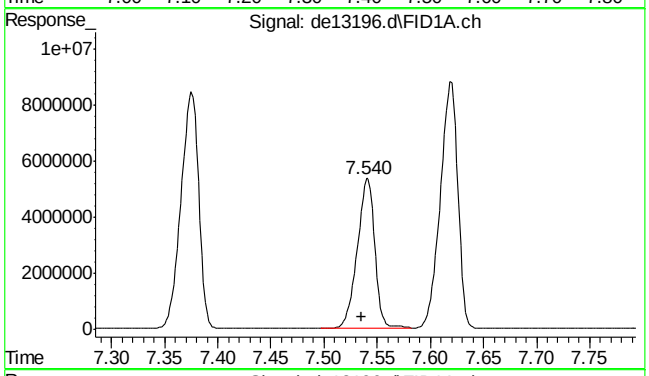
R.T.: 6.807 min
Delta R.T.: 0.004 min
Response: 8980683
Conc: 96.25 µg/ml

SGS ACCUTEST MC45857



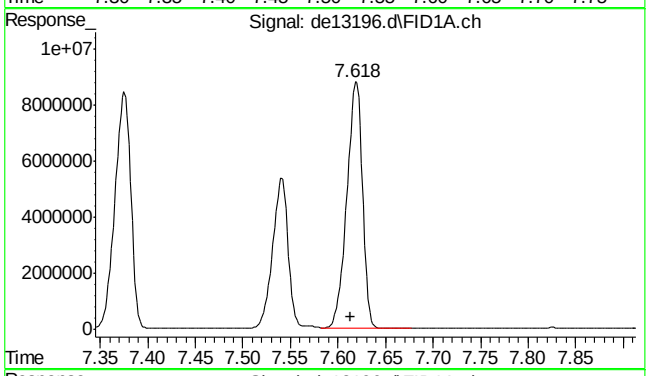
#5 acenaphthylene

R.T.: 7.375 min
Delta R.T.: 0.005 min
Response: 9776029
Conc: 95.80 µg/ml



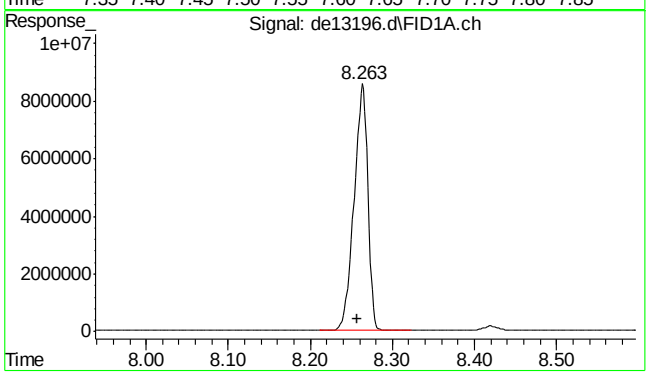
#6 2-bromonaphthalene

R.T.: 7.540 min
Delta R.T.: 0.005 min
Response: 6121297
Conc: 96.50 µg/ml



#7 acenaphthene

R.T.: 7.618 min
Delta R.T.: 0.005 min
Response: 10095451
Conc: 96.62 µg/ml



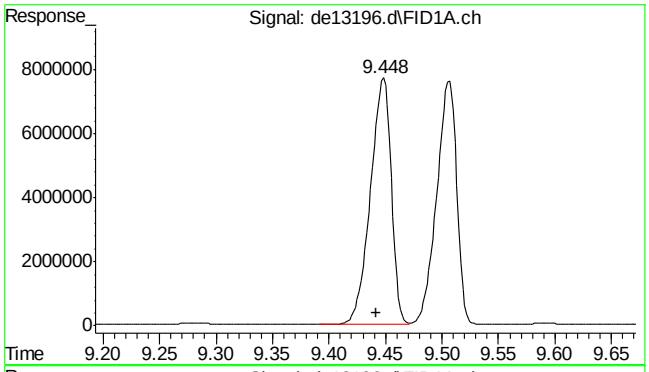
#8 fluorene

R.T.: 8.263 min
Delta R.T.: 0.006 min
Response: 9889893
Conc: 96.35 µg/ml

9.4.6

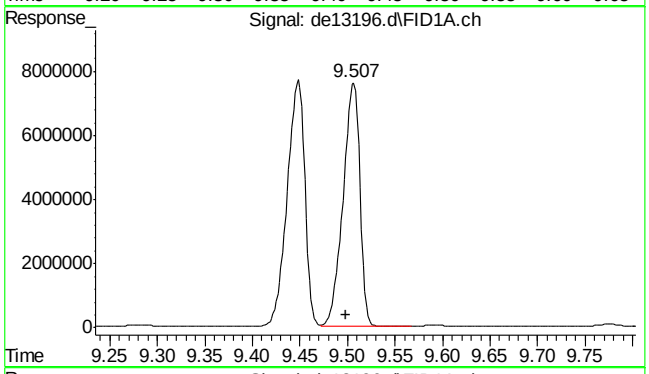
9

SGS ACCUTEST MC45857



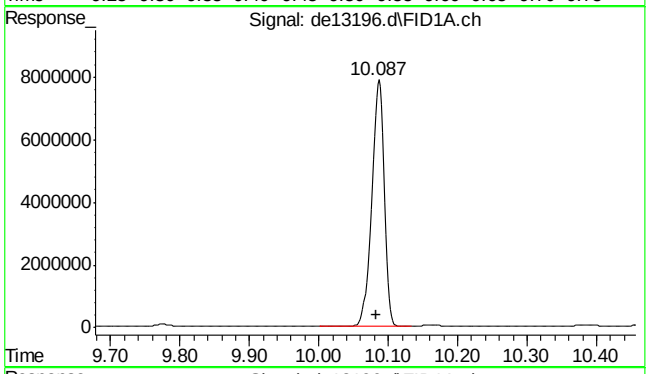
#9 phenanthrene

R.T.: 9.448 min
Delta R.T.: 0.006 min
Response: 9875264
Conc: 96.26 µg/ml



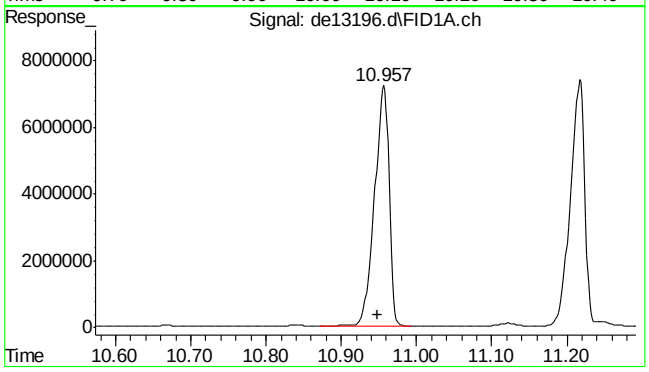
#10 anthracene

R.T.: 9.507 min
Delta R.T.: 0.009 min
Response: 9378790
Conc: 97.02 µg/ml



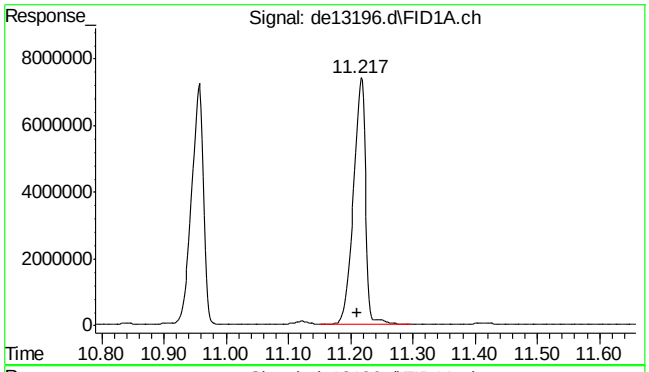
#11 o-terphenyl

R.T.: 10.087 min
Delta R.T.: 0.004 min
Response: 9937595
Conc: 96.37 µg/ml



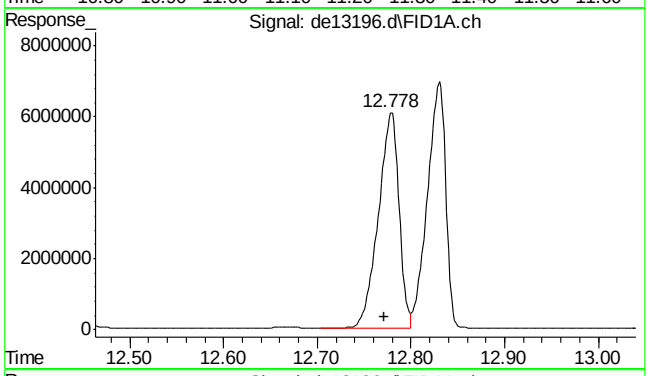
#12 fluoranthene

R.T.: 10.957 min
Delta R.T.: 0.009 min
Response: 9629565
Conc: 95.61 µg/ml



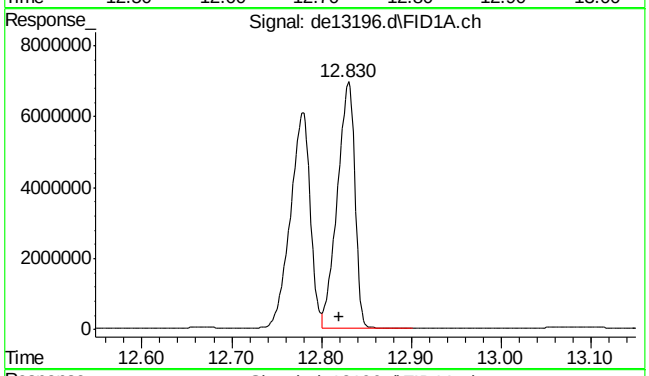
#13 pyrene

R.T.: 11.217 min
Delta R.T.: 0.007 min
Response: 9876553
Conc: 96.69 µg/ml



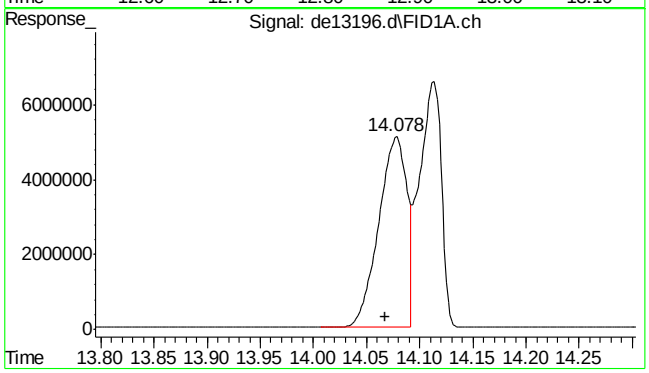
#14 benzo(a)anthracene

R.T.: 12.778 min
Delta R.T.: 0.006 min
Response: 9324427
Conc: 96.10 µg/ml m



#15 chrysene

R.T.: 12.830 min
Delta R.T.: 0.010 min
Response: 9386529
Conc: 96.03 µg/ml m



#16 benzo(B)fluoranthene

R.T.: 14.078 min
Delta R.T.: 0.010 min
Response: 9460698
Conc: 94.64 µg/ml

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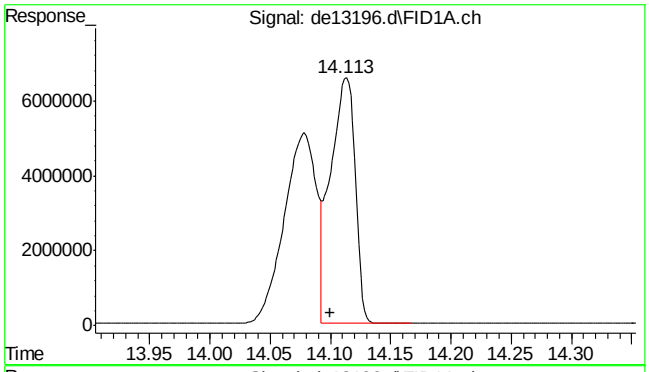
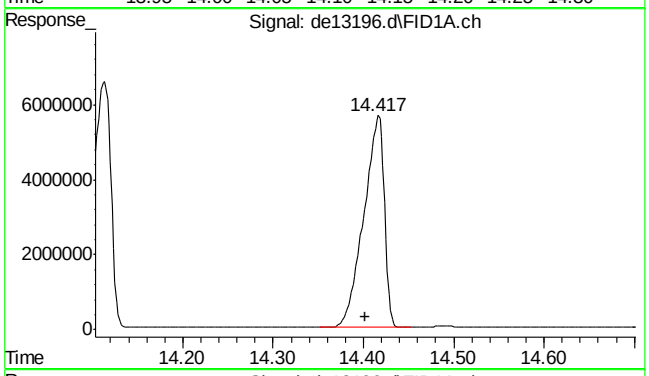


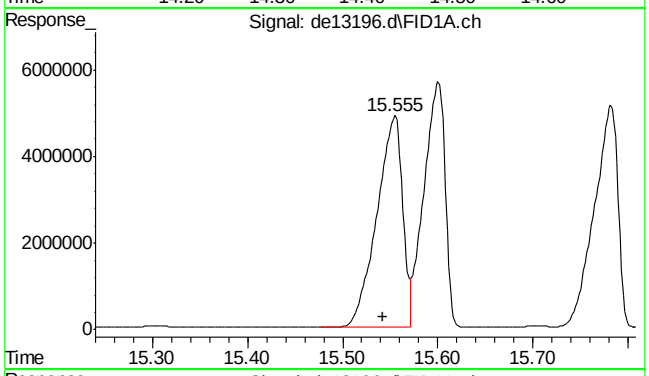
#17 benzo(k)fluoranthene

R.T.: 14.113 min
Delta R.T.: 0.013 min
Response: 9345183
Conc: 97.56 µg/ml



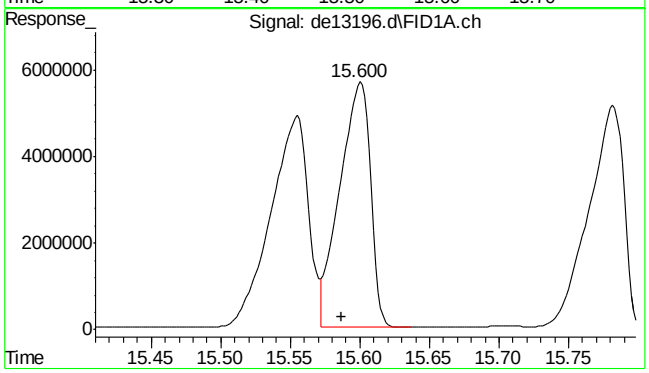
#18 benzo(a)pyrene

R.T.: 14.417 min
Delta R.T.: 0.015 min
Response: 8964794
Conc: 95.71 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.555 min
Delta R.T.: 0.012 min
Response: 9240715
Conc: 95.92 µg/ml



#20 dibenzo(ah)anthracene

R.T.: 15.600 min
Delta R.T.: 0.013 min
Response: 8726656
Conc: 94.45 µg/ml

9.4.6

9

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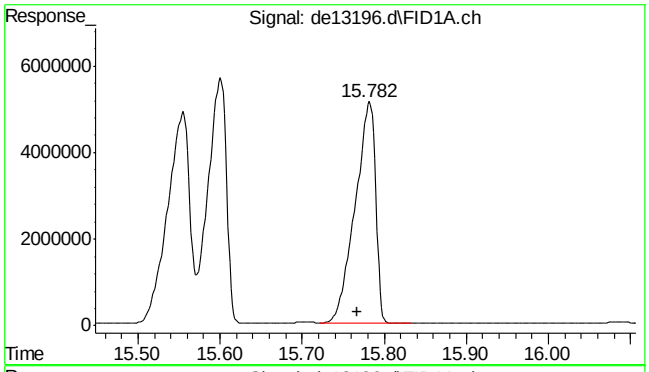
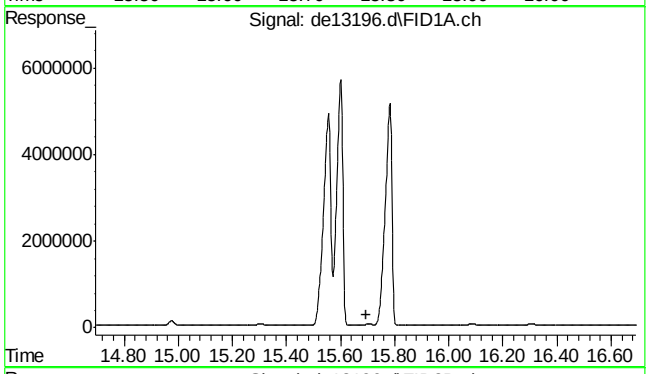


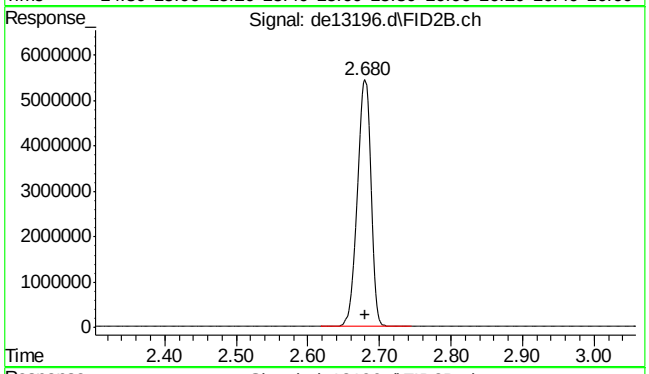
#21 benzo(ghi)perylene

R.T.: 15.782 min
Delta R.T.: 0.015 min
Response: 8869696
Conc: 95.14 µg/ml



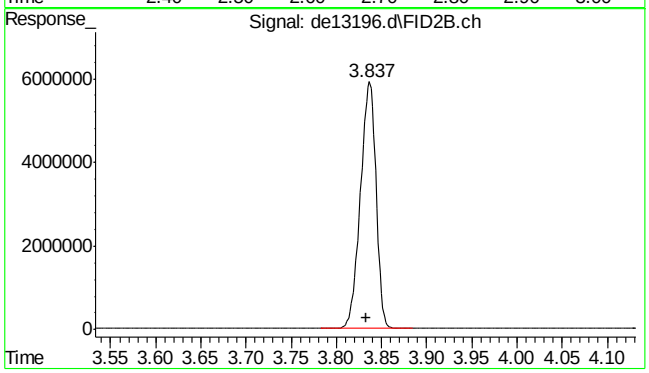
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 7080731
Conc: 92.72 µg/ml m



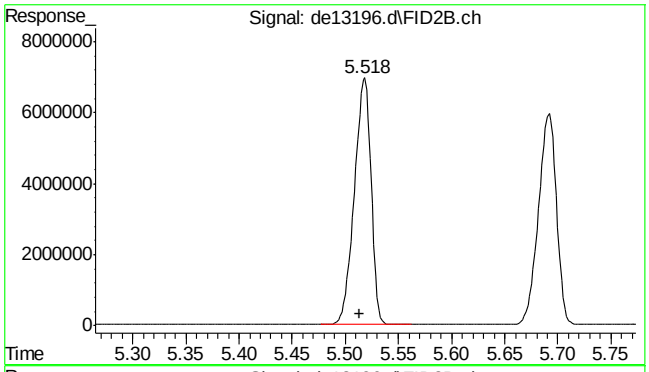
#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 7121293
Conc: 92.47 µg/ml

9.4.6

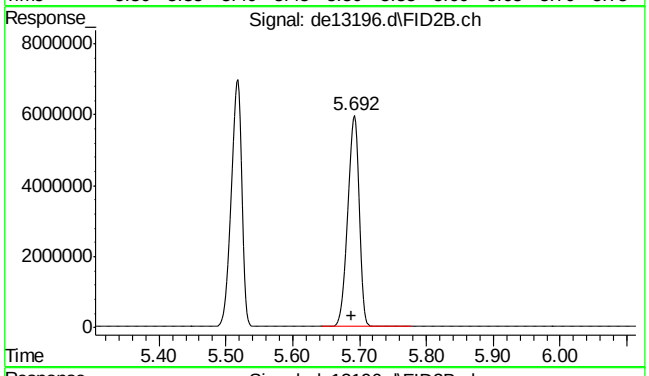
9

SGS ACCUTEST MC45857



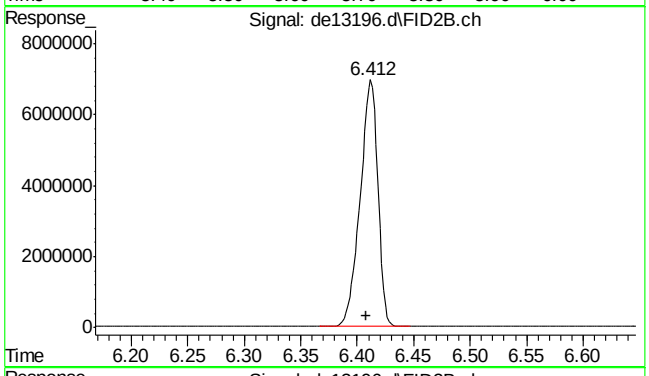
#27 naphthalene #2

R.T.: 5.518 min
Delta R.T.: 0.005 min
Response: 7593446
Conc: 95.04 µg/ml



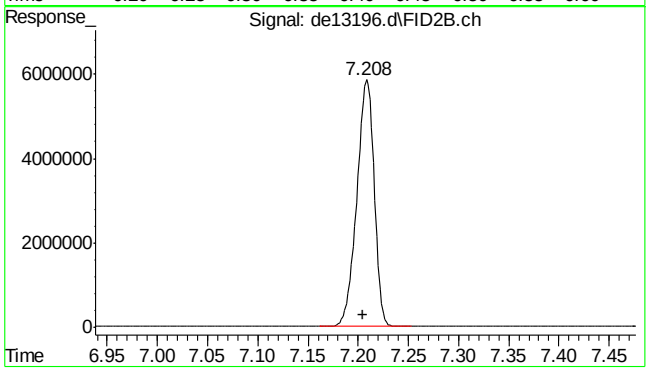
#28 c-12

R.T.: 5.692 min
Delta R.T.: 0.004 min
Response: 7047399
Conc: 92.10 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.412 min
Delta R.T.: 0.004 min
Response: 7564728
Conc: 93.06 µg/ml



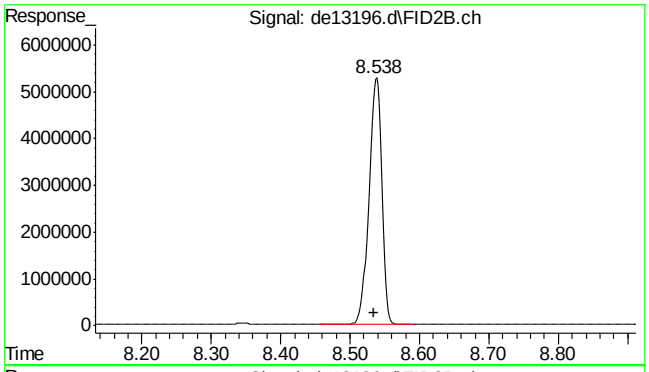
#30 c-14

R.T.: 7.208 min
Delta R.T.: 0.003 min
Response: 6951061
Conc: 91.00 µg/ml

9.4.6

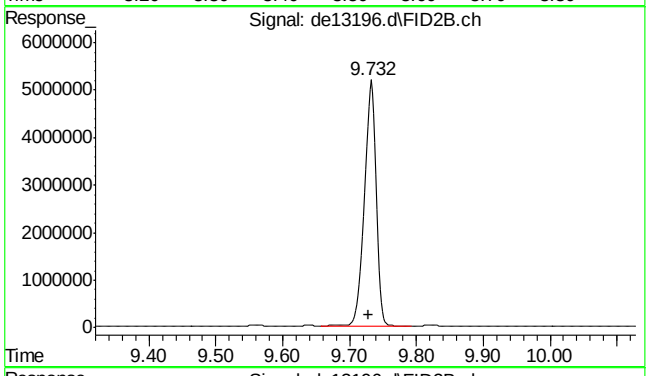
9

SGS ACCUTEST MC45857



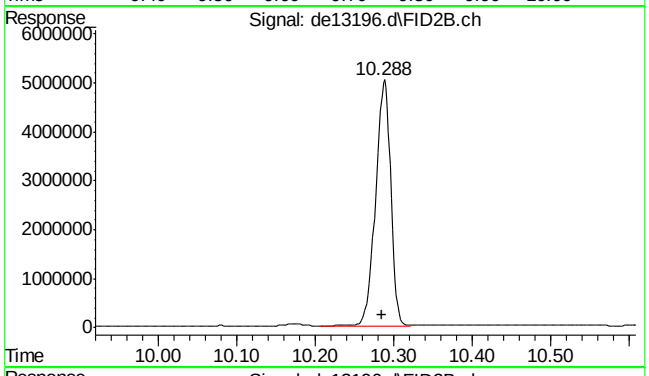
#31 c-16

R.T.: 8.538 min
Delta R.T.: 0.003 min
Response: 6811631
Conc: 89.87 µg/ml



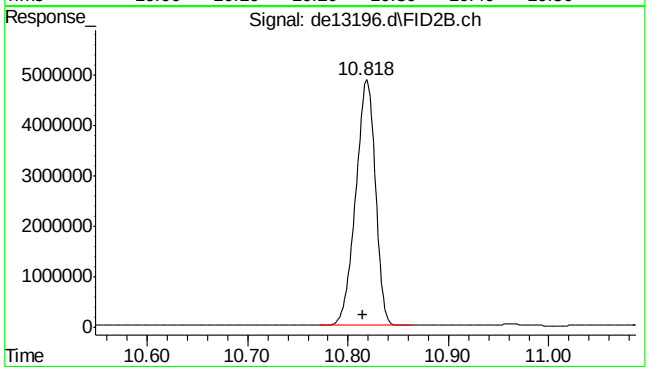
#32 c-18

R.T.: 9.732 min
Delta R.T.: 0.004 min
Response: 6758324
Conc: 90.12 µg/ml



#33 c-19

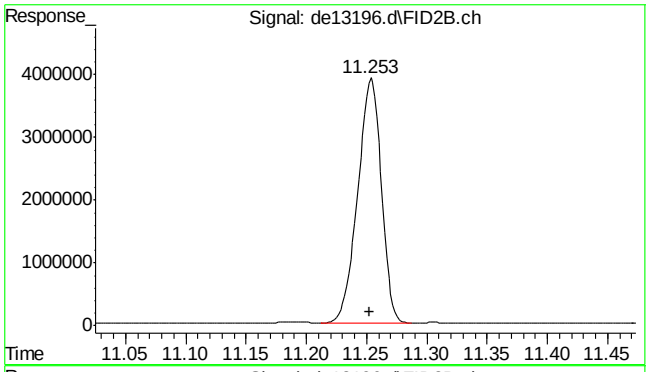
R.T.: 10.288 min
Delta R.T.: 0.003 min
Response: 6704725
Conc: 91.45 µg/ml



#34 c-20

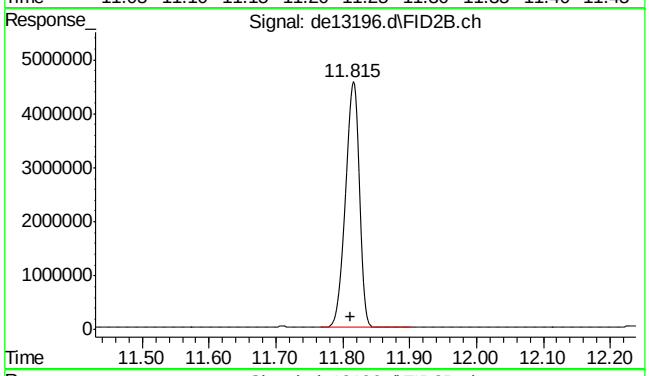
R.T.: 10.818 min
Delta R.T.: 0.003 min
Response: 6591283
Conc: 91.77 µg/ml

SGS ACCUTEST MC45857



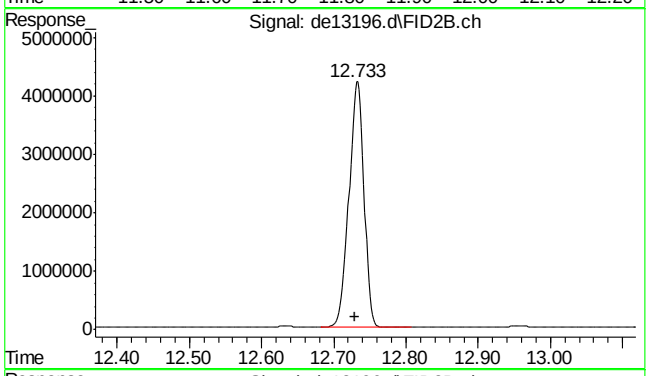
#35 1-chlorooctadecane

R.T.: 11.253 min
Delta R.T.: 0.001 min
Response: 5337791
Conc: 94.55 µg/ml



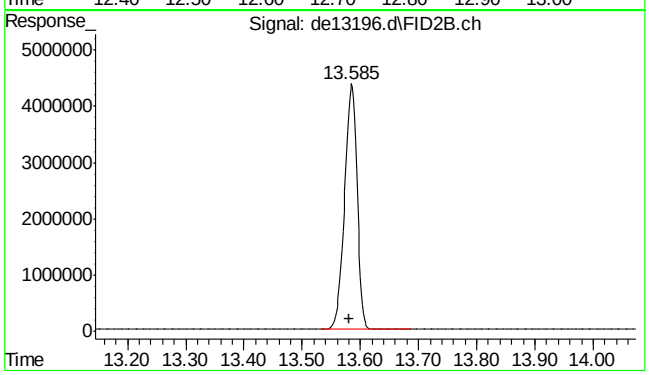
#36 c-22

R.T.: 11.815 min
Delta R.T.: 0.003 min
Response: 6550653
Conc: 92.52 µg/ml



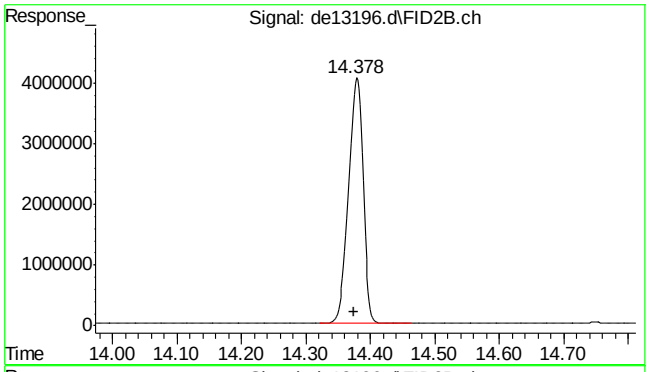
#37 c-24

R.T.: 12.733 min
Delta R.T.: 0.003 min
Response: 6102937
Conc: 91.14 µg/ml



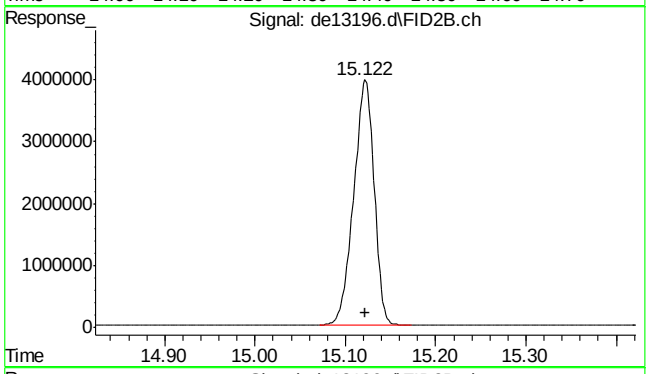
#38 c-26

R.T.: 13.585 min
Delta R.T.: 0.003 min
Response: 6486501
Conc: 92.53 µg/ml



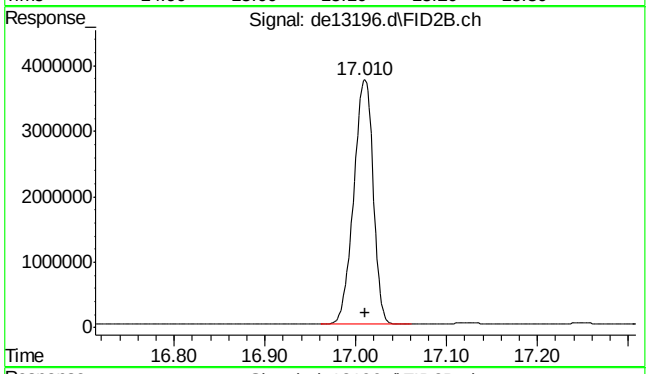
#39 c-28

R.T.: 14.378 min
Delta R.T.: 0.003 min
Response: 6270223
Conc: 92.45 µg/ml



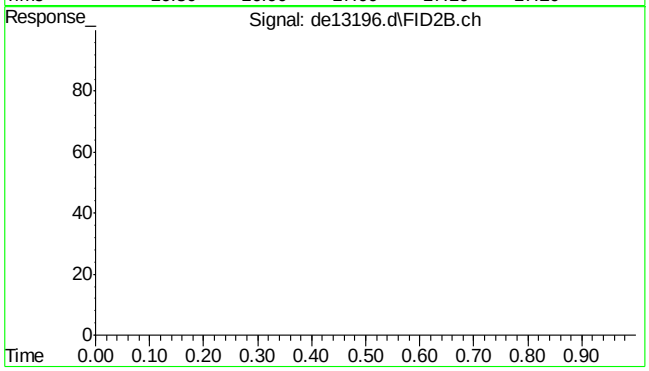
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 6235140
Conc: 90.67 µg/ml



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 5572797
Conc: 91.21 µg/ml m



#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.6

9

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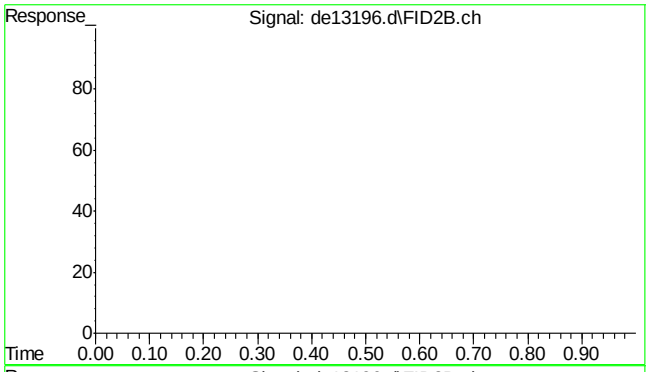
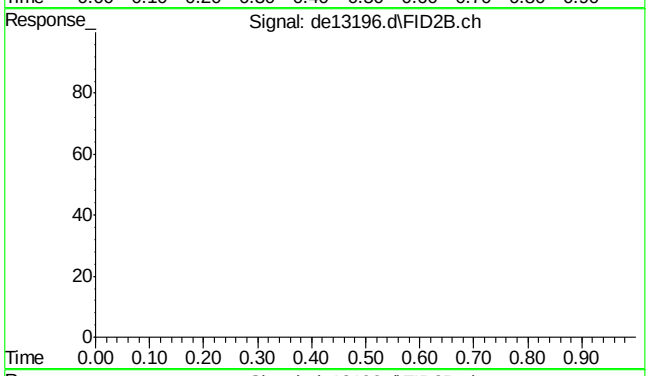


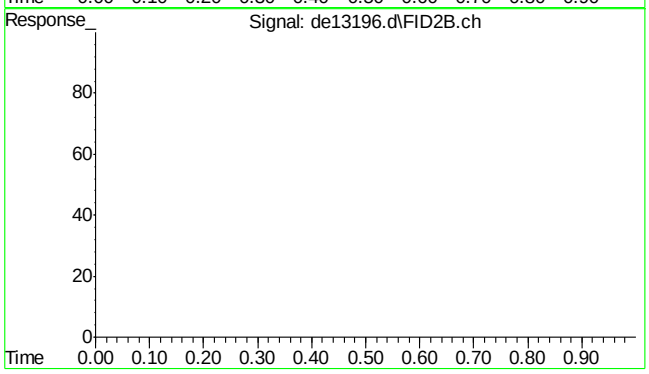
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

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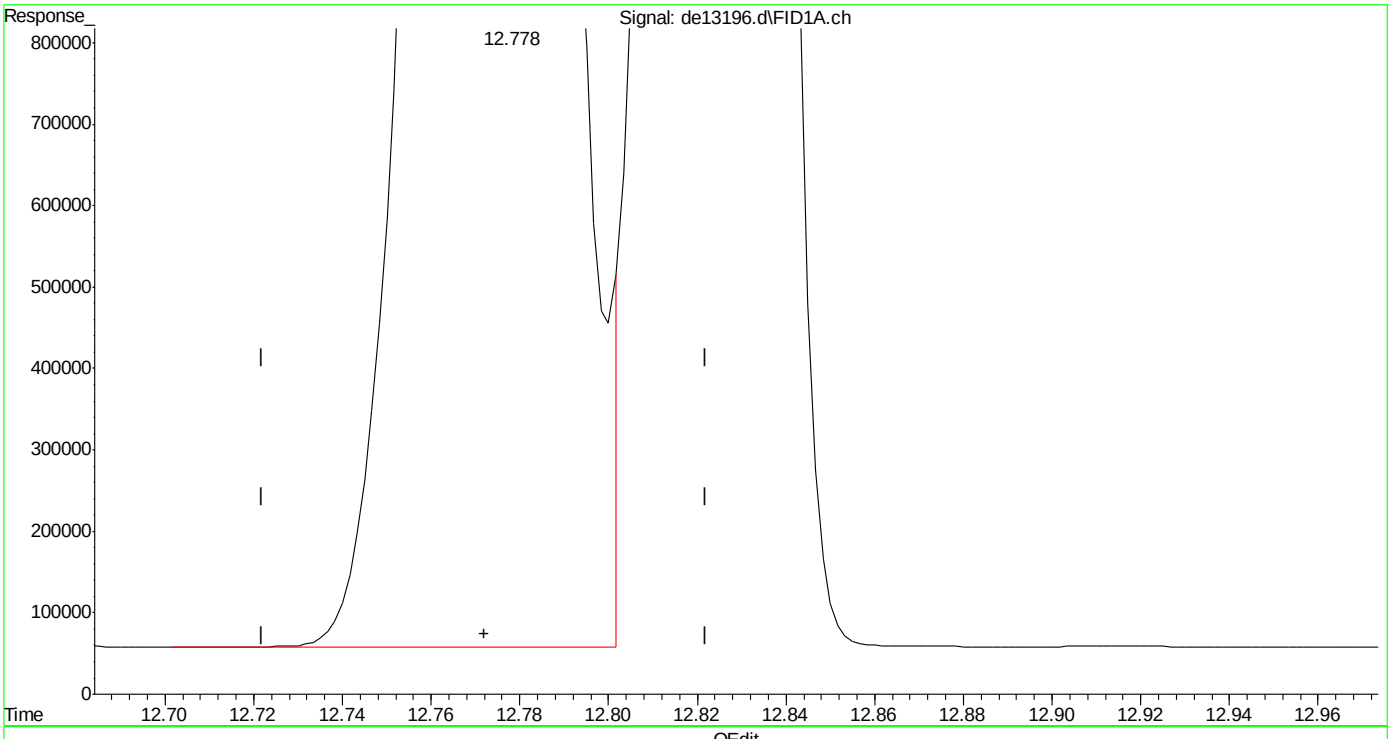
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:59:05 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.778min 96.536 µg/ml
response 9367180

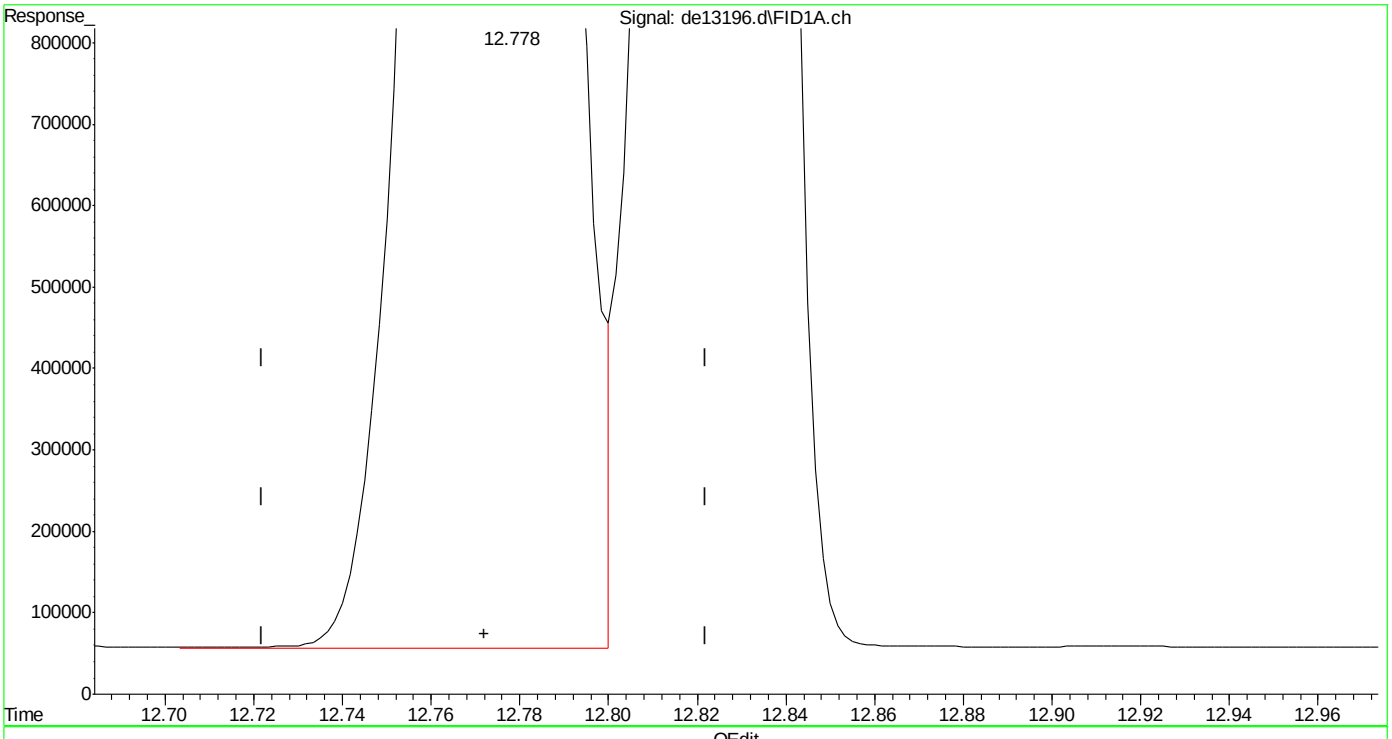
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:59:05 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.778min 96.095 µg/ml m
response 9324427

(+) = Expected Retention Time

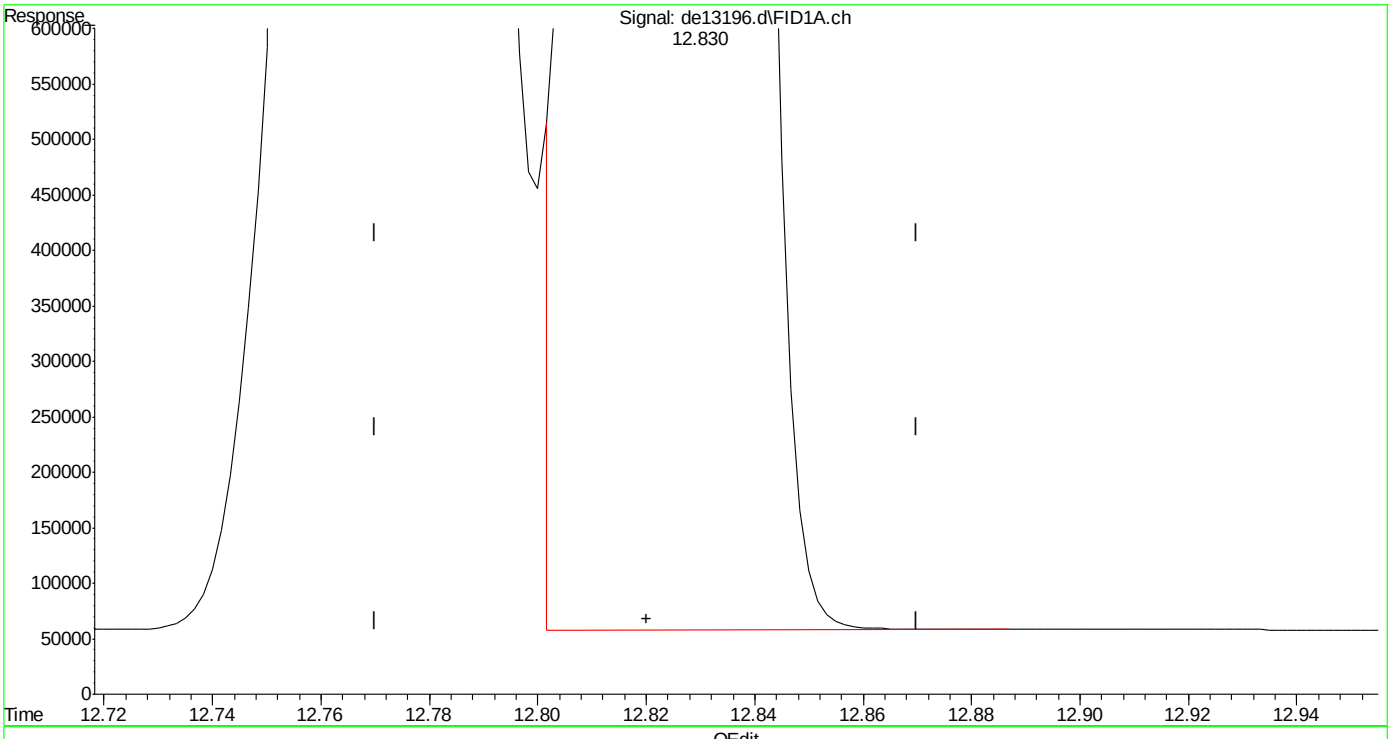
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:59:05 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.830min 95.489 µg/ml
response 9333760

(+) = Expected Retention Time

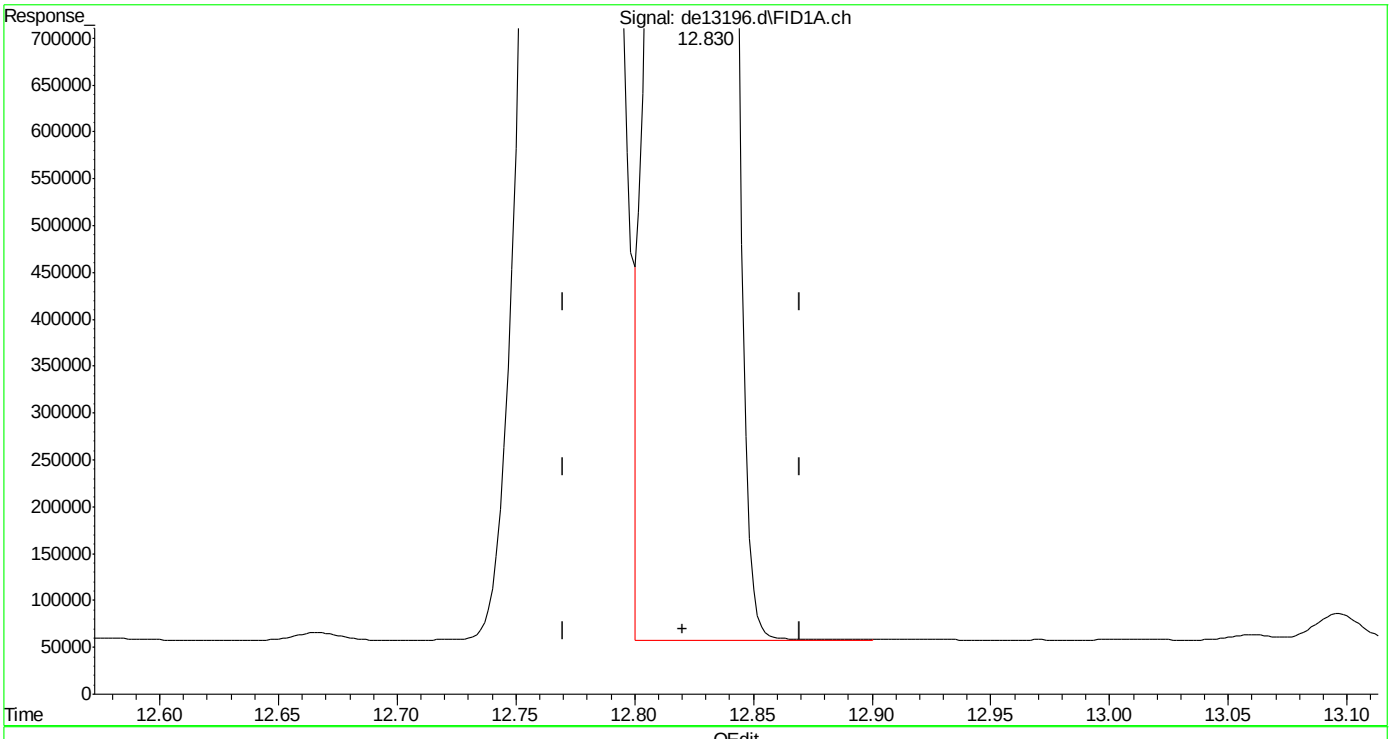
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13196.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:26 pm
Operator : thomasa
Sample : ic735-100
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 10:59:05 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 10:58:23 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.830min 96.029 µg/ml m
response 9386529

(+) = Expected Retention Time

SGS ACCUTEST MC45857

DE13197.D

Manual Integrations APPROVED (compounds with "m" flag)

Andri Piluri 02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:07:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.813	17171697	185.149 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 925.75%#	
6) s 2-bromonaphthalene	7.548	11710947	185.457 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 927.28%#	
11) s o-terphenyl	10.095	18995194	184.432 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 922.16%#	
35) s 1-chlorooctadecane	11.258	9870838	174.493 µg/ml
Spiked Amount 20.000 Range 8 - 28		Recovery = 872.47%#	
Target Compounds			
1) h c11-c22 Aromatics (Un...	5.350	316974952	191.661 µg/mlm
2) naphthalene	5.365	19450620	187.644 µg/ml
3) 2-methylnaphthalene	6.263	19131536	185.697 µg/ml
5) acenaphthylene	7.383f	18686177	184.334 µg/ml
7) acenaphthene	7.628	19311298	185.676 µg/ml
8) fluorene	8.272	18917157	185.002 µg/ml
9) phenanthrene	9.457	18899419	184.533 µg/ml
10) anthracene	9.517	17945874	184.815 µg/ml
12) fluoranthene	10.968	18457513	183.371 µg/ml
13) pyrene	11.228	18932497	185.310 µg/ml
14) benzo(a)anthracene	12.792	17872955	183.617 µg/mlm
15) chrysene	12.847f	18069681	184.428 µg/mlm
16) benzo(B)fluoranthene	14.092	18893122	189.467 µg/ml
17) benzo(k)fluoranthene	14.132f	16859064	175.363 µg/mlm
18) benzo(a)pyrene	14.432f	17319408	185.106 µg/ml
19) indeno(1,2,3-cd)pyrene	15.575f	18670540	194.062 µg/mlm
20) dibenzo(ah)anthracene	15.620f	16610466	180.145 µg/mlm
21) benzo(ghi)perylene	15.807f	17523714	188.129 µg/mlm
25) h c-9	2.680	13093571	173.259 µg/mlm
26) h c-10	3.833	13149397	172.603 µg/ml
27) naphthalene #2	5.523	14006239	175.249 µg/ml
28) c-12	5.697	12963152	171.352 µg/ml
29) 2-methylnaphthalene #2	6.418	13931230	172.095 µg/ml
30) c-14	7.213	12790598	169.622 µg/ml
31) c-16	8.543	12583573	168.461 µg/ml
32) c-18	9.738	12493898	168.985 µg/ml
33) c-19	10.295	12406524	171.313 µg/ml
34) c-20	10.825	12189358	171.737 µg/ml
36) c-22	11.822	12115679	172.966 µg/ml
37) c-24	12.738	11324691	171.289 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:07:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
38)	c-26	13.592	12045195	173.683	µg/ml
39)	c-28	14.385	11646376	173.584	µg/ml
40) h	c-30	15.122	11593413	170.863	µg/ml
41) h	c-36	17.010	10854654	179.925	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.7

9

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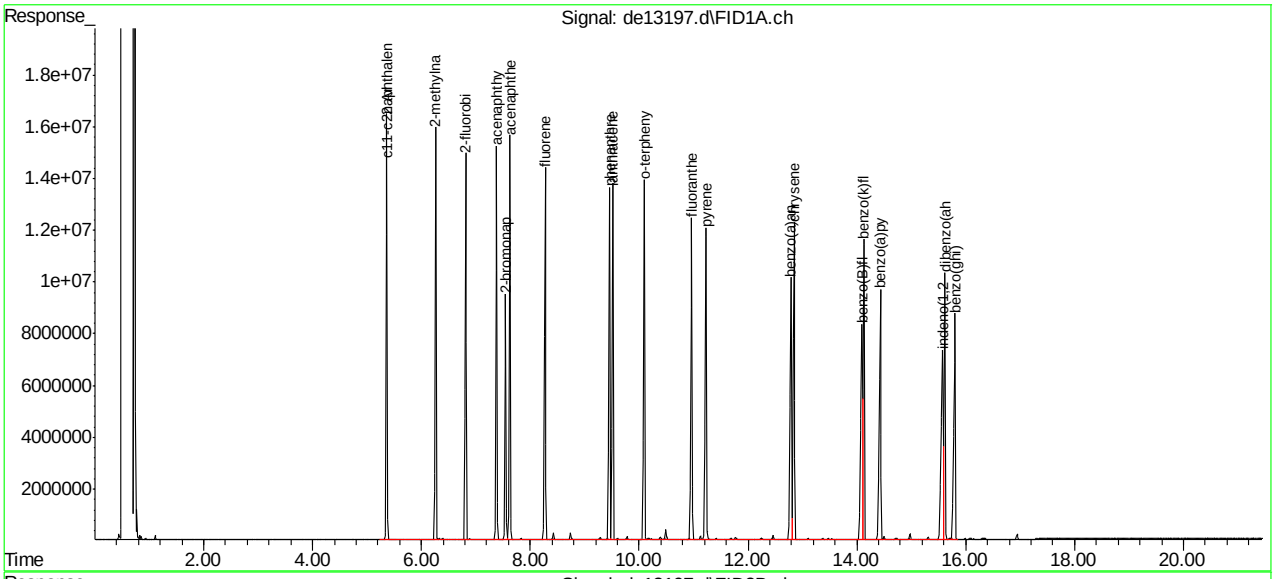
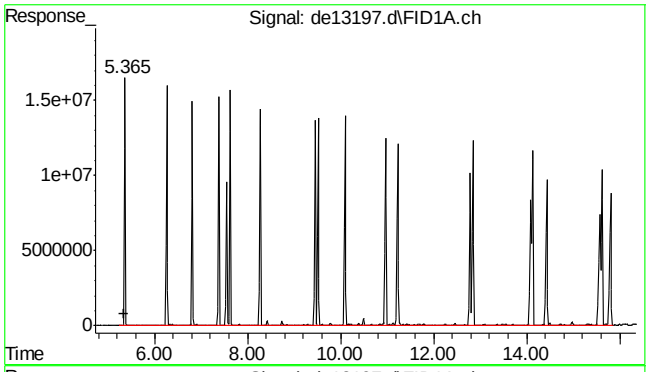
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:07:43 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

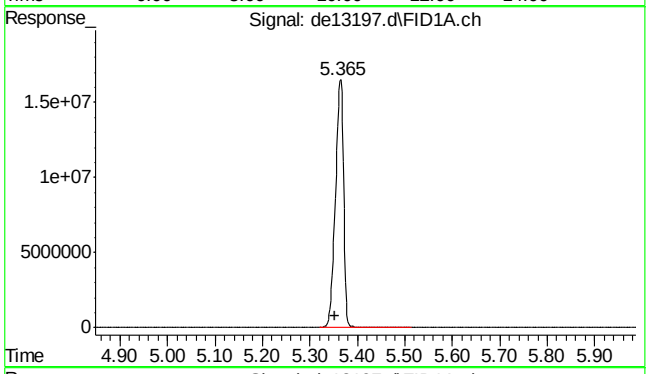
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





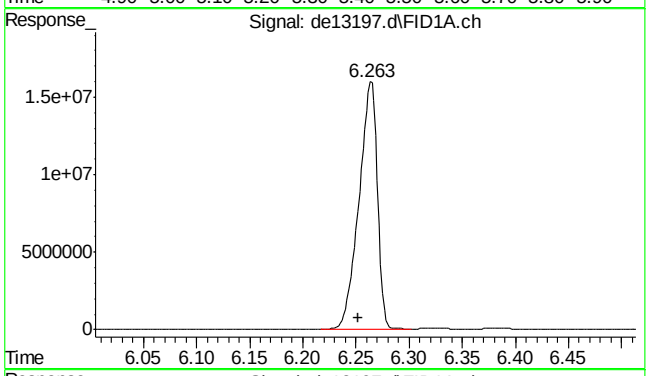
#1 c11-c22 Aromatics (Unadj.)

R.T.: 5.350 min
Delta R.T.: 0.000 min
Response: 316974952
Conc: 191.66 µg/ml m



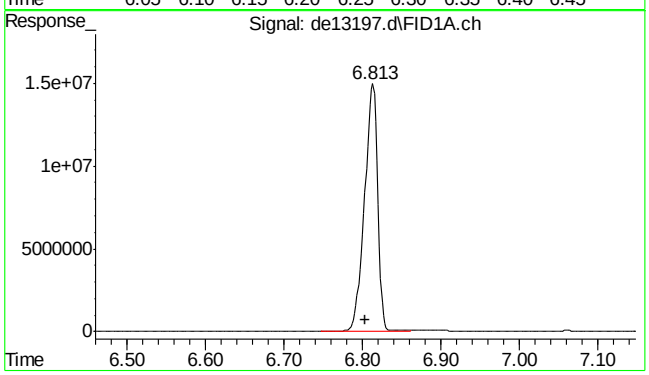
#2 naphthalene

R.T.: 5.365 min
Delta R.T.: 0.012 min
Response: 19450620
Conc: 187.64 µg/ml



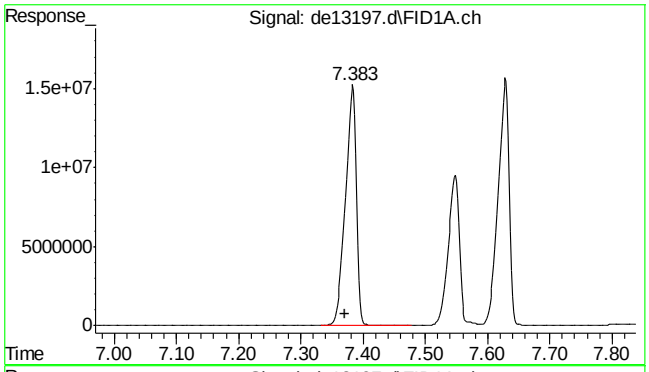
#3 2-methylnaphthalene

R.T.: 6.263 min
Delta R.T.: 0.011 min
Response: 19131536
Conc: 185.70 µg/ml



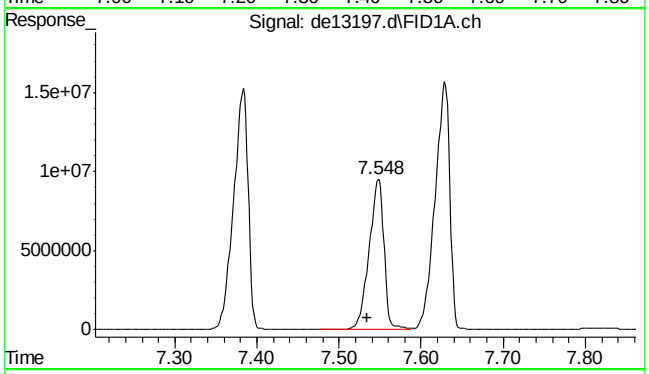
#4 2-fluorobiphenyl

R.T.: 6.813 min
Delta R.T.: 0.010 min
Response: 17171697
Conc: 185.15 µg/ml



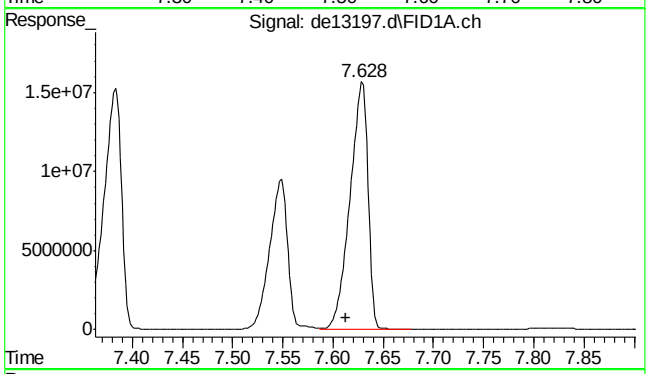
#5 acenaphthylene

R.T.: 7.383 min
Delta R.T.: 0.013 min
Response: 18686177
Conc: 184.33 µg/ml



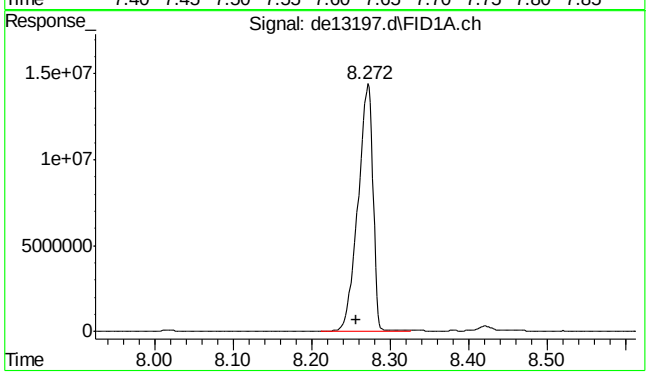
#6 2-bromonaphthalene

R.T.: 7.548 min
Delta R.T.: 0.013 min
Response: 11710947
Conc: 185.46 µg/ml



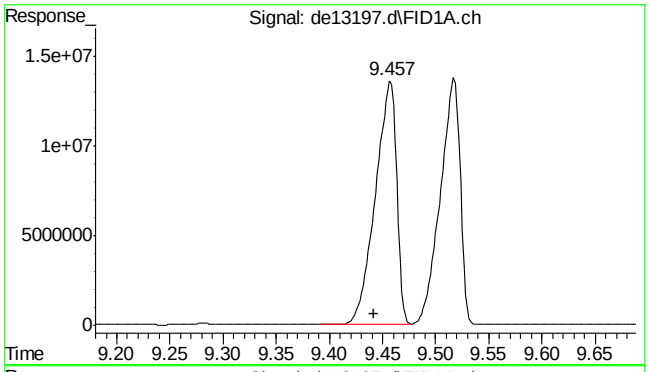
#7 acenaphthene

R.T.: 7.628 min
Delta R.T.: 0.015 min
Response: 19311298
Conc: 185.68 µg/ml



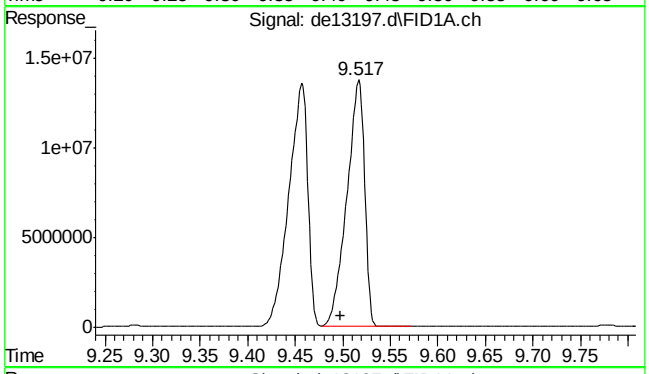
#8 fluorene

R.T.: 8.272 min
Delta R.T.: 0.015 min
Response: 18917157
Conc: 185.00 µg/ml



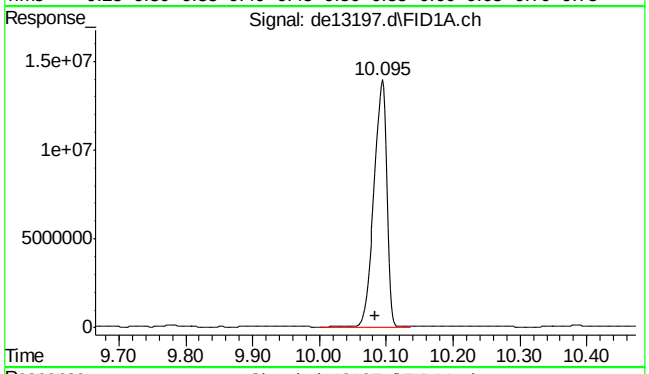
#9 phenanthrene

R.T.: 9.457 min
Delta R.T.: 0.015 min
Response: 18899419
Conc: 184.53 µg/ml



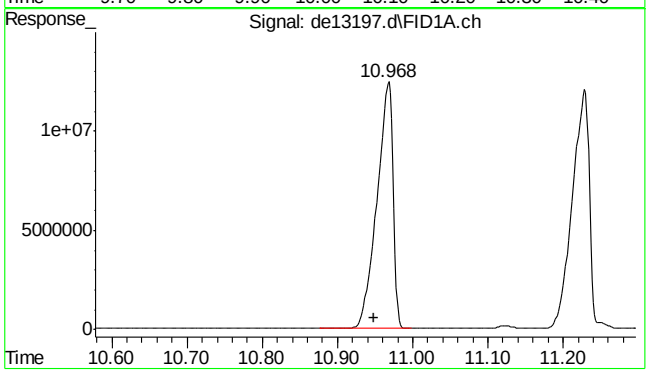
#10 anthracene

R.T.: 9.517 min
Delta R.T.: 0.019 min
Response: 17945874
Conc: 184.82 µg/ml



#11 o-terphenyl

R.T.: 10.095 min
Delta R.T.: 0.012 min
Response: 18995194
Conc: 184.43 µg/ml



#12 fluoranthene

R.T.: 10.968 min
Delta R.T.: 0.020 min
Response: 18457513
Conc: 183.37 µg/ml

9.4.7

9

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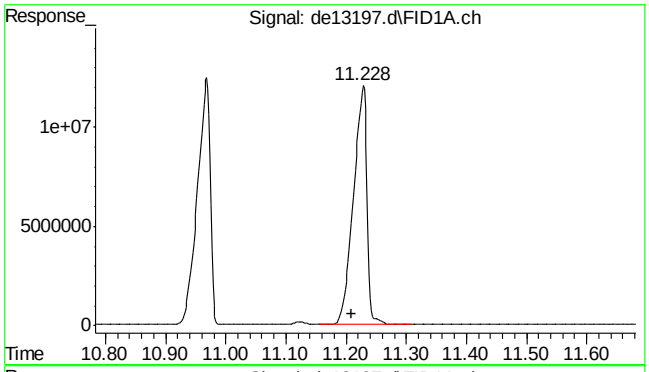
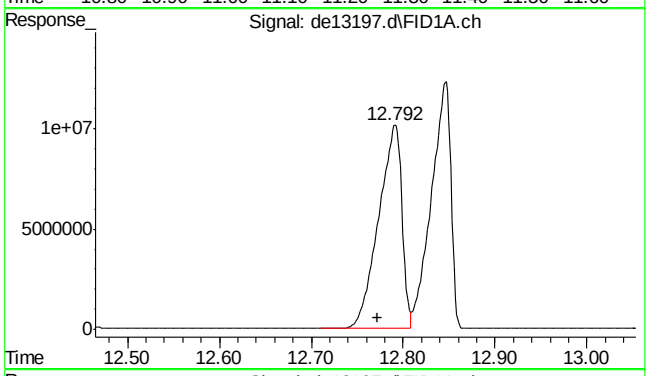


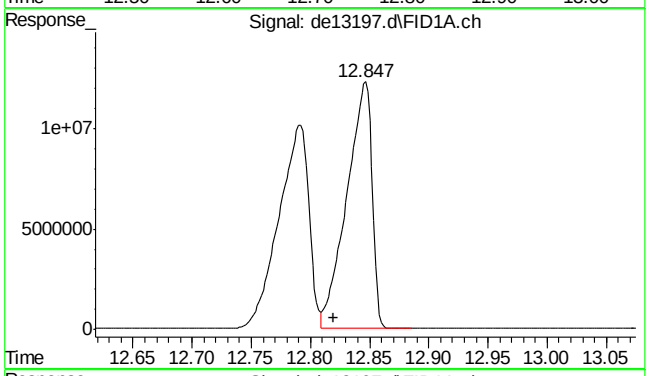
#13 pyrene

R.T.: 11.228 min
Delta R.T.: 0.018 min
Response: 18932497
Conc: 185.31 µg/ml



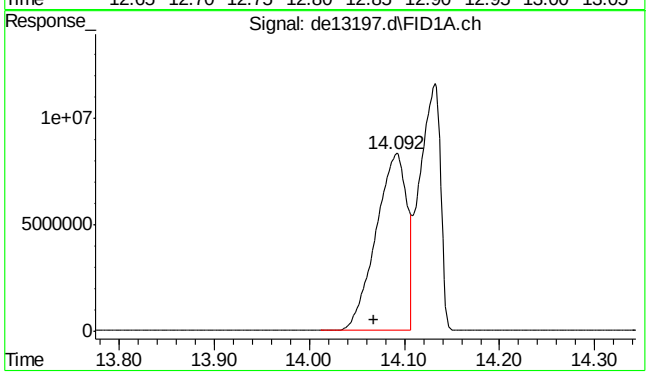
#14 benzo(a)anthracene

R.T.: 12.792 min
Delta R.T.: 0.020 min
Response: 17872955
Conc: 183.62 µg/ml m



#15 chrysene

R.T.: 12.847 min
Delta R.T.: 0.027 min
Response: 18069681
Conc: 184.43 µg/ml m



#16 benzo(B)fluoranthene

R.T.: 14.092 min
Delta R.T.: 0.024 min
Response: 18893122
Conc: 189.47 µg/ml

9.4.7

9

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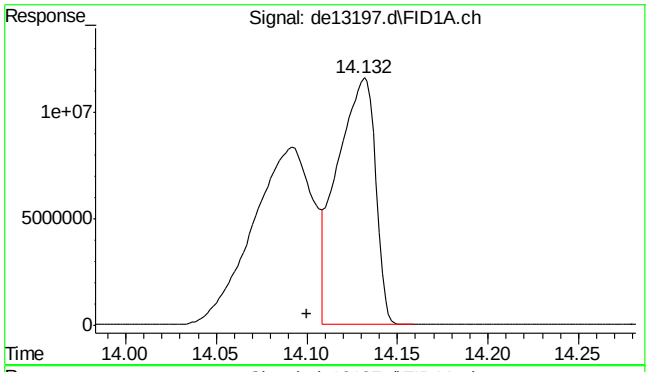
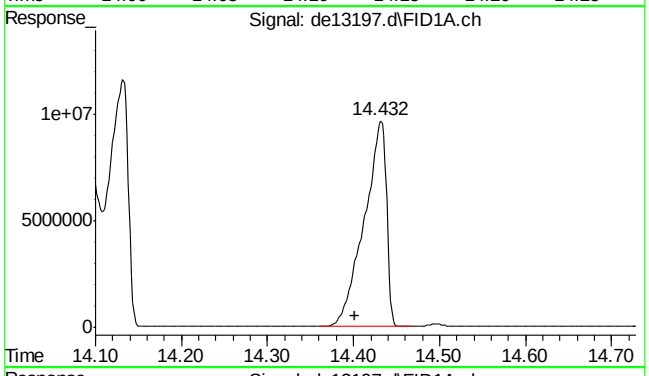


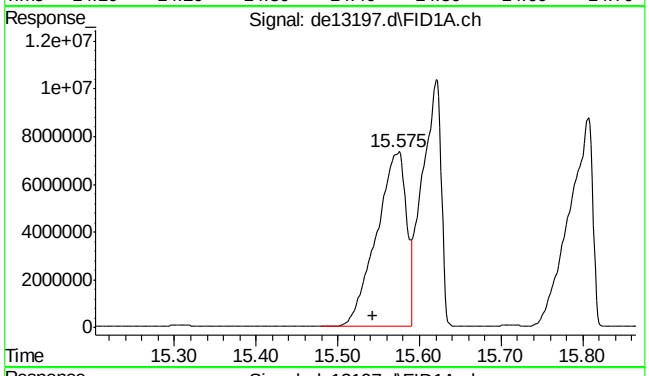
#17 benzo(k)fluoranthene

R.T.: 14.132 min
Delta R.T.: 0.032 min
Response: 16859064
Conc: 175.36 µg/ml m



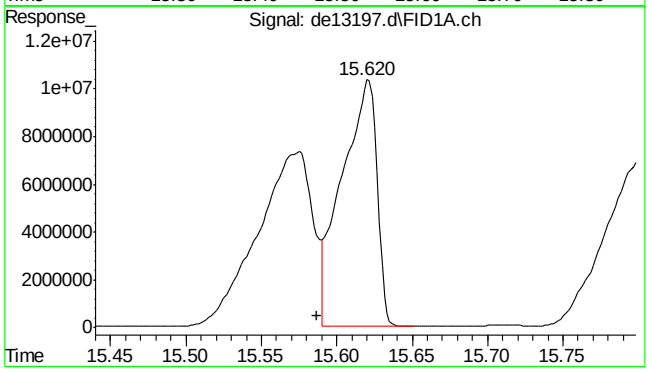
#18 benzo(a)pyrene

R.T.: 14.432 min
Delta R.T.: 0.030 min
Response: 17319408
Conc: 185.11 µg/ml



#19 indeno(1,2,3-cd)pyrene

R.T.: 15.575 min
Delta R.T.: 0.032 min
Response: 18670540
Conc: 194.06 µg/ml m



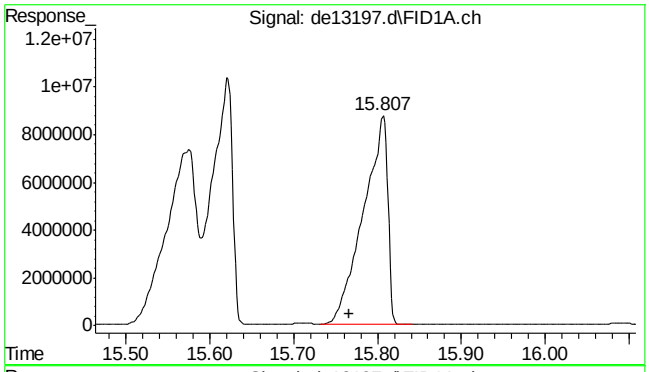
#20 dibenzo(ah)anthracene

R.T.: 15.620 min
Delta R.T.: 0.033 min
Response: 16610466
Conc: 180.15 µg/ml m

9.4.7

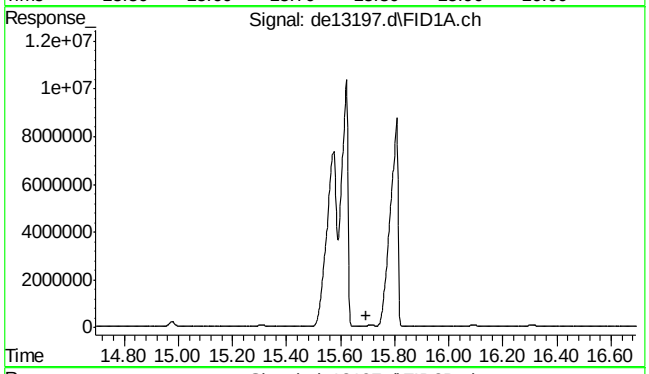
9

SGS ACCUTEST MC45857



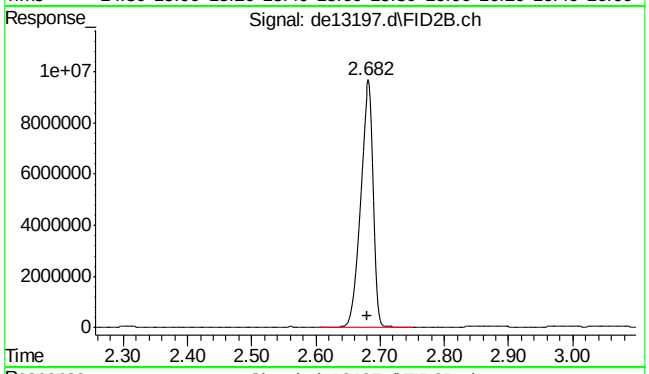
#21 benzo(ghi)perylene

R.T.: 15.807 min
Delta R.T.: 0.040 min
Response: 17523714
Conc: 188.13 µg/ml m



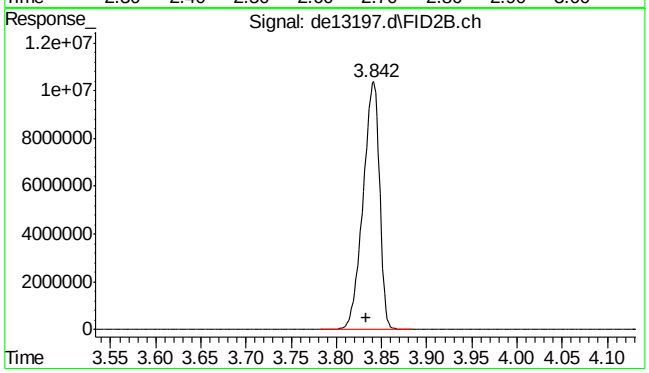
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 13093571
Conc: 173.26 µg/ml m

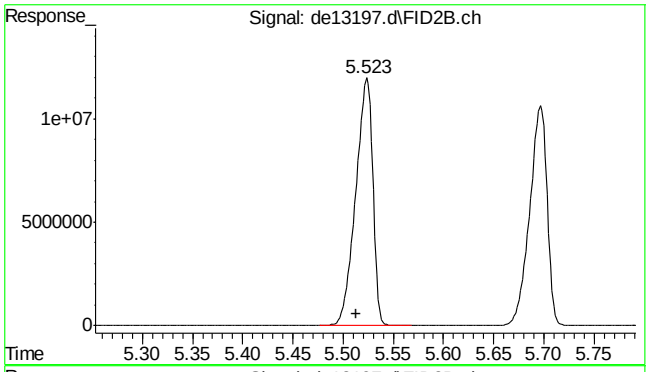


#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 13149397
Conc: 172.60 µg/ml

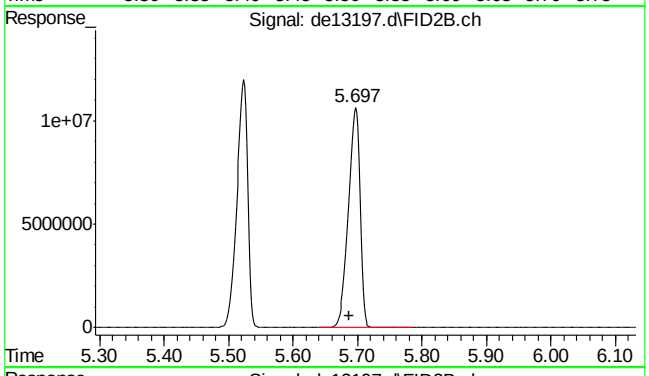
9.4.7
9

SGS ACCUTEST MC45857



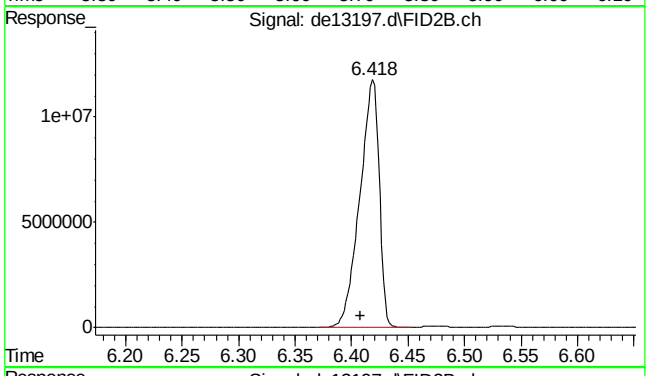
#27 naphthalene #2

R.T.: 5.523 min
Delta R.T.: 0.010 min
Response: 14006239
Conc: 175.25 µg/ml



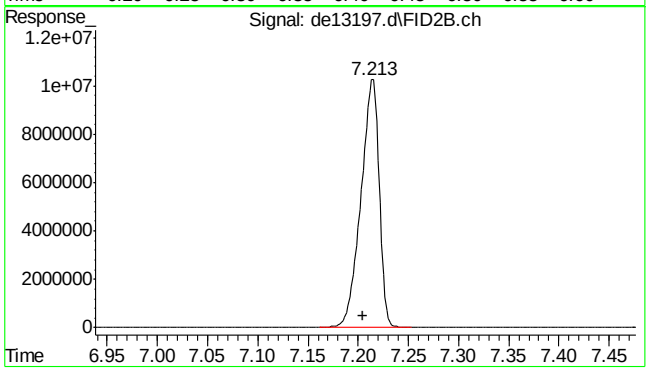
#28 c-12

R.T.: 5.697 min
Delta R.T.: 0.009 min
Response: 12963152
Conc: 171.35 µg/ml



#29 2-methylnaphthalene #2

R.T.: 6.418 min
Delta R.T.: 0.010 min
Response: 13931230
Conc: 172.09 µg/ml



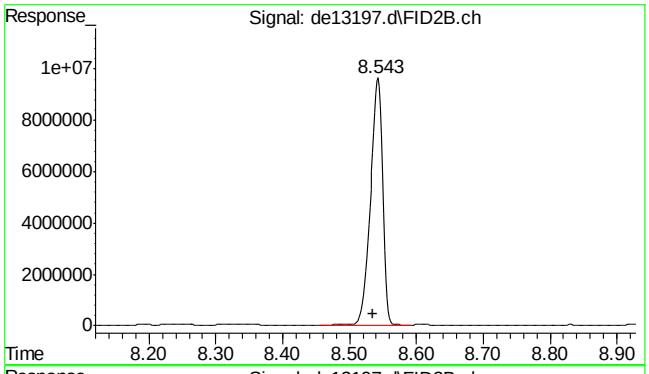
#30 c-14

R.T.: 7.213 min
Delta R.T.: 0.008 min
Response: 12790598
Conc: 169.62 µg/ml

9.4.7

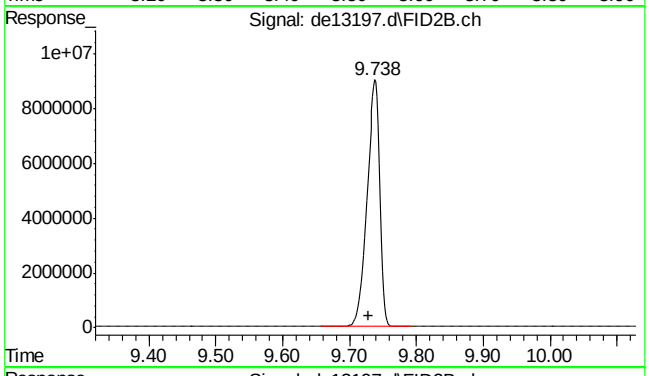
9

SGS ACCUTEST MC45857



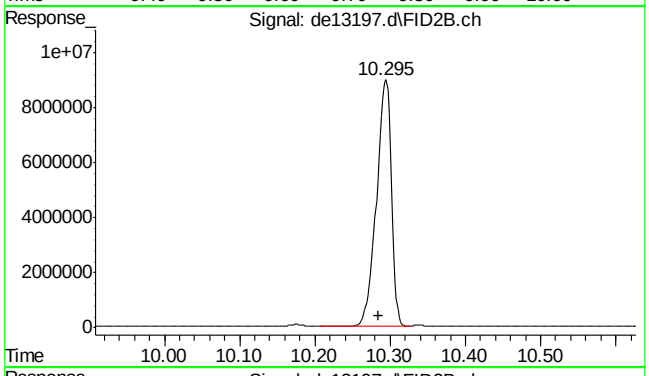
#31 c-16

R.T.: 8.543 min
Delta R.T.: 0.008 min
Response: 12583573
Conc: 168.46 µg/ml



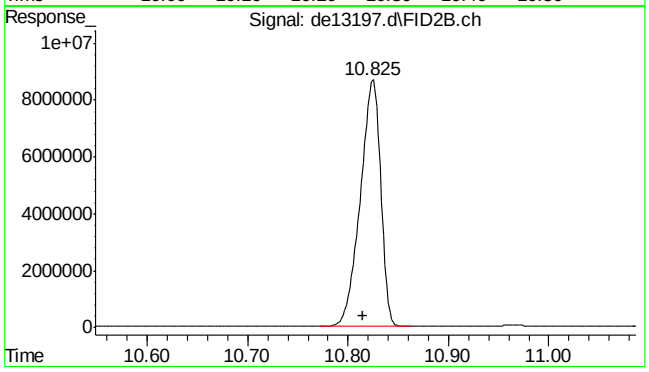
#32 c-18

R.T.: 9.738 min
Delta R.T.: 0.010 min
Response: 12493898
Conc: 168.99 µg/ml



#33 c-19

R.T.: 10.295 min
Delta R.T.: 0.010 min
Response: 12406524
Conc: 171.31 µg/ml



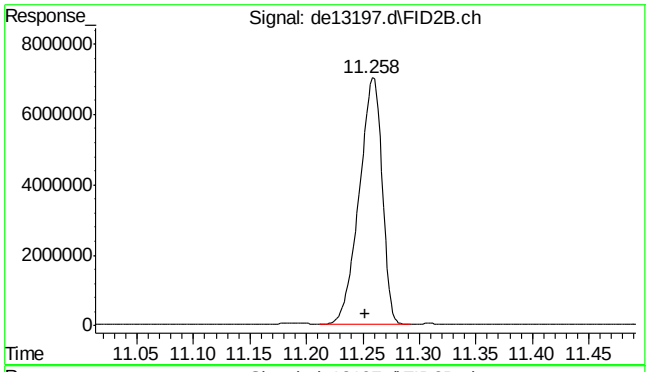
#34 c-20

R.T.: 10.825 min
Delta R.T.: 0.010 min
Response: 12189358
Conc: 171.74 µg/ml

9.4.7

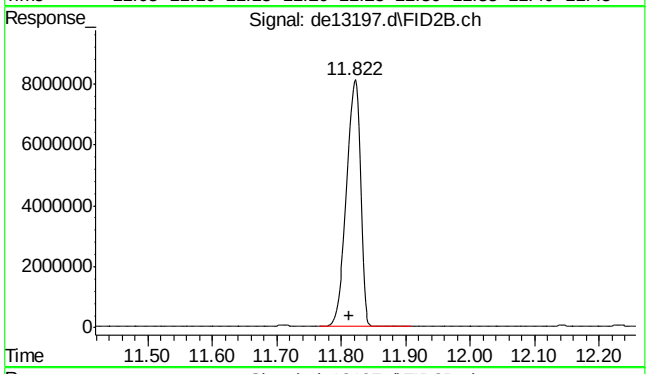
9

SGS ACCUTEST MC45857



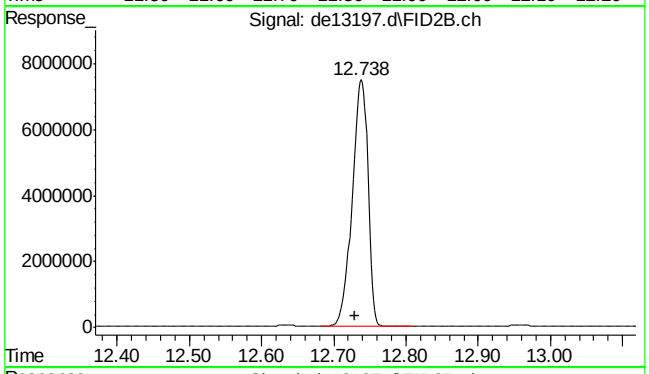
#35 1-chlorooctadecane

R.T.: 11.258 min
Delta R.T.: 0.006 min
Response: 9870838
Conc: 174.49 µg/ml



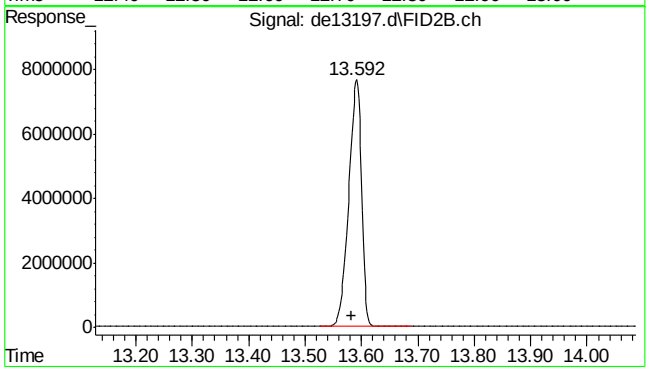
#36 c-22

R.T.: 11.822 min
Delta R.T.: 0.010 min
Response: 12115679
Conc: 172.97 µg/ml



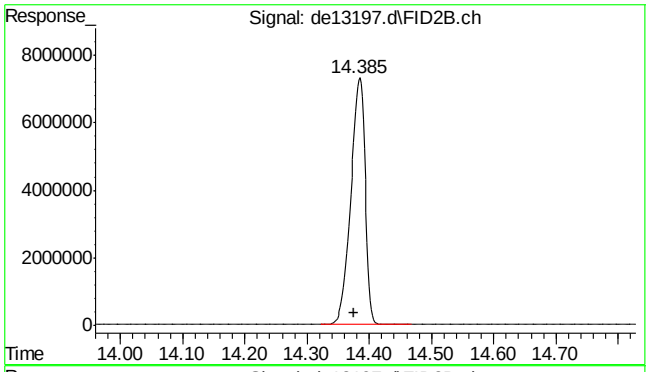
#37 c-24

R.T.: 12.738 min
Delta R.T.: 0.008 min
Response: 11324691
Conc: 171.29 µg/ml



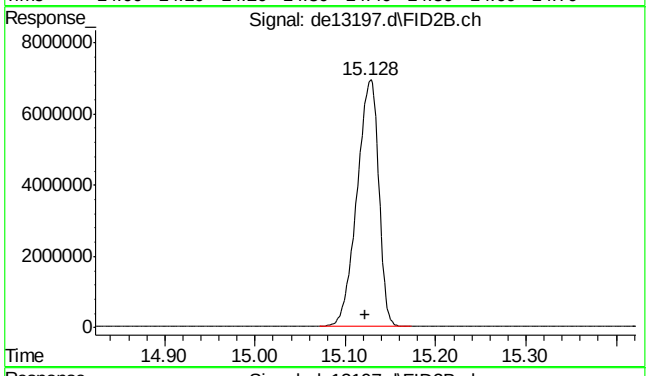
#38 c-26

R.T.: 13.592 min
Delta R.T.: 0.010 min
Response: 12045195
Conc: 173.68 µg/ml



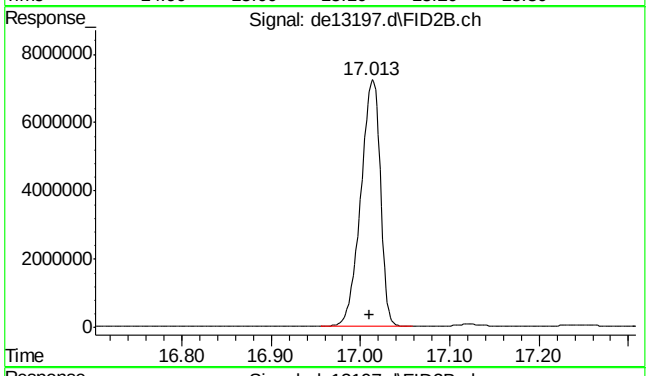
#39 c-28

R.T.: 14.385 min
Delta R.T.: 0.010 min
Response: 11646376
Conc: 173.58 µg/ml



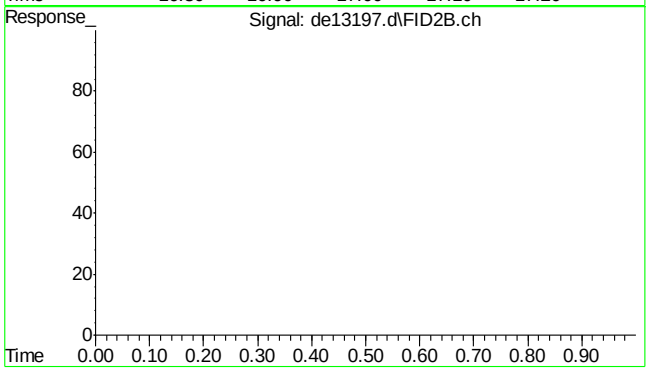
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 11593413
Conc: 170.86 µg/ml



#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 10854654
Conc: 179.92 µg/ml m



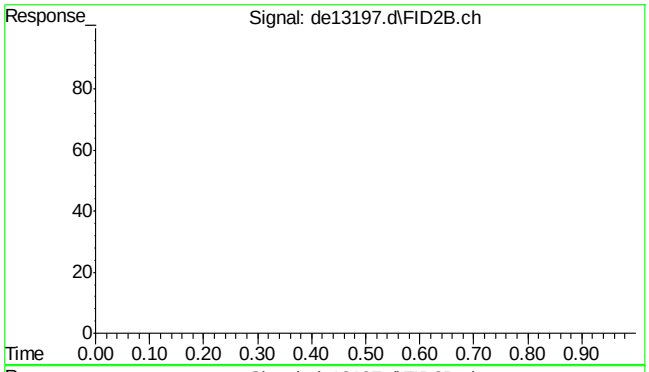
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

9.4.7

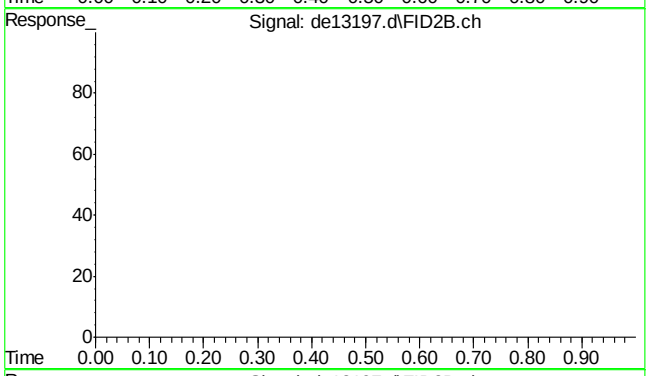
9

SGS ACCUTEST MC45857



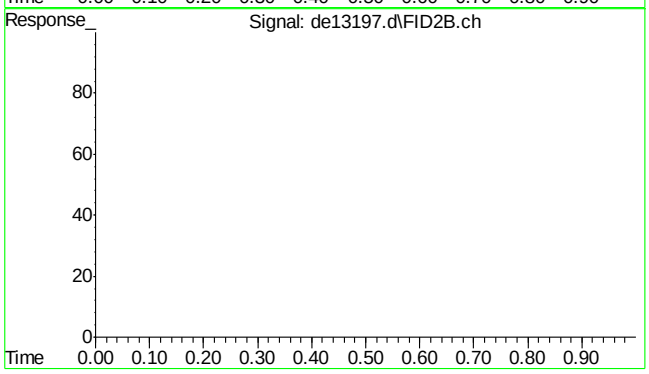
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

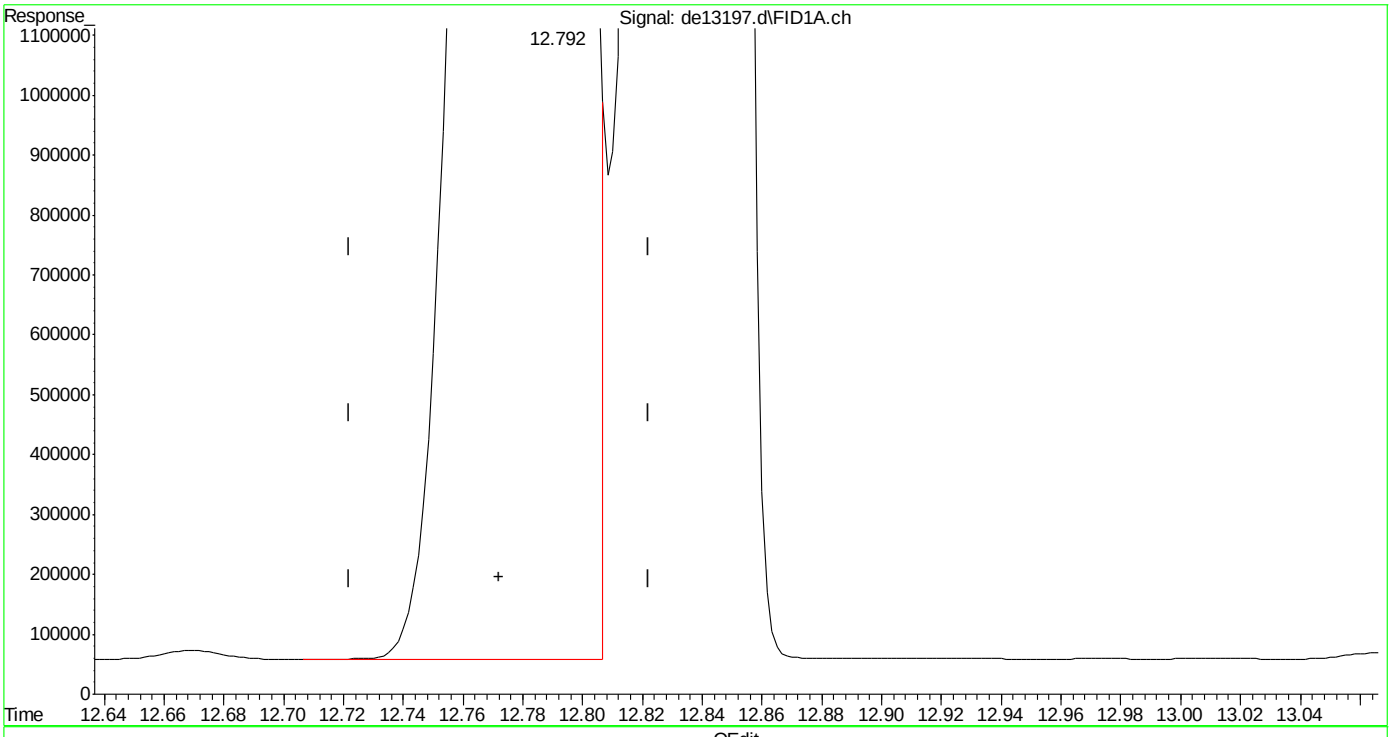
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.792min 182.685 µg/ml
response 17782201

(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 11:03:14 2016

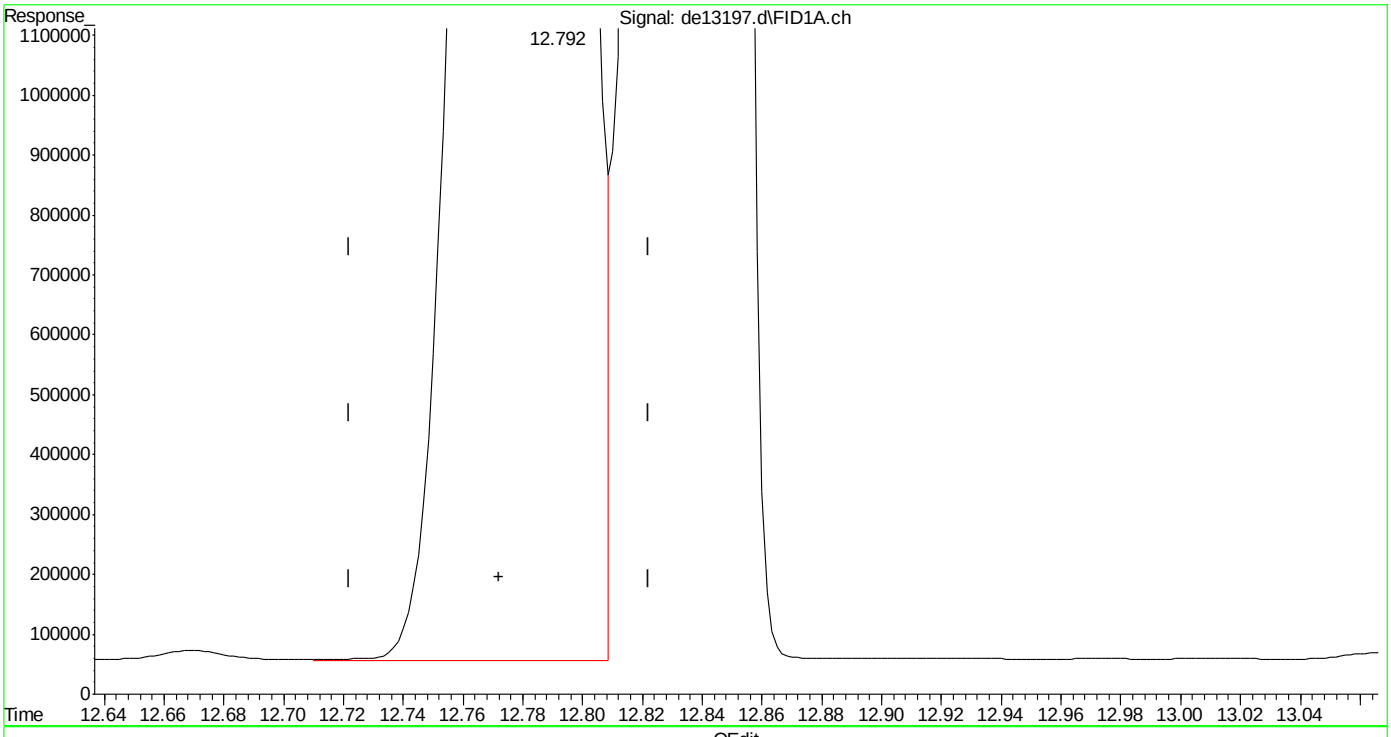
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.792min 183.617 µg/ml m
response 17872955

(+) = Expected Retention Time

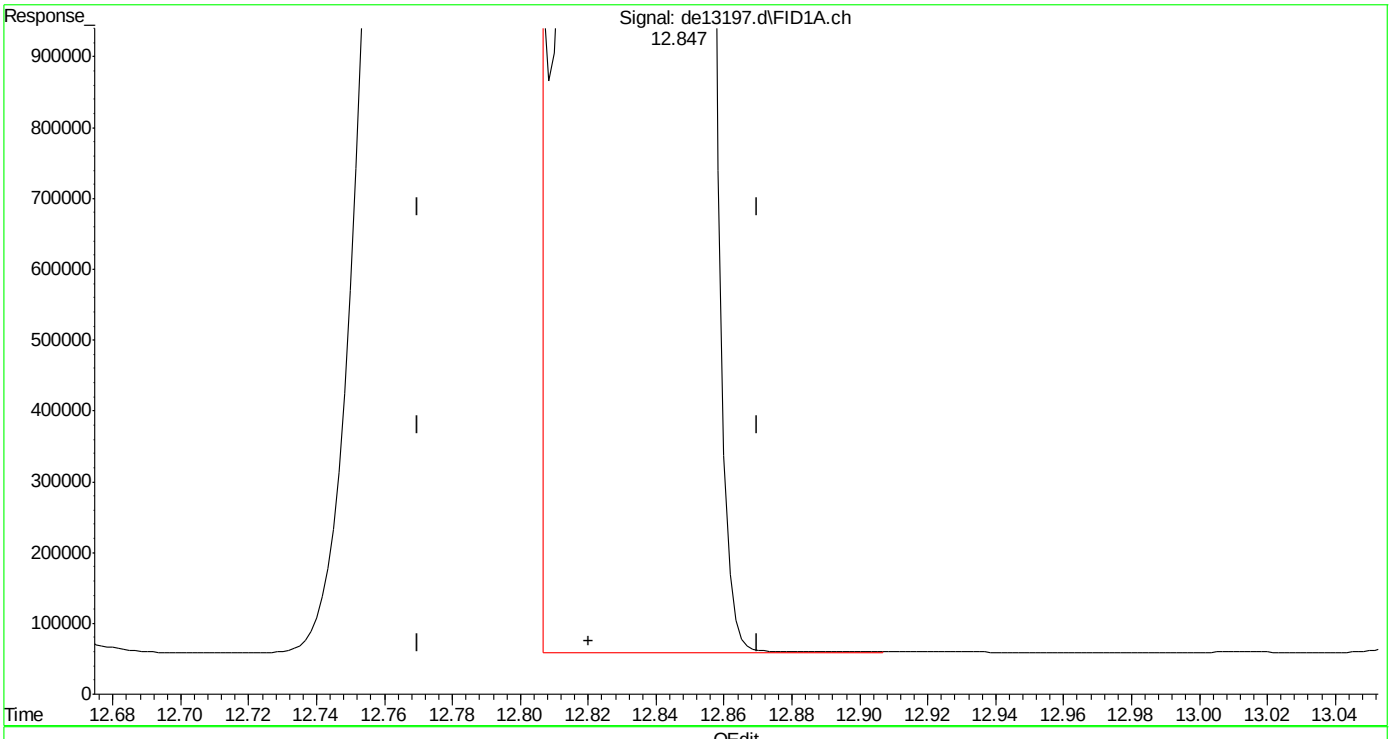
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.847min 185.235 µg/ml
response 18148724

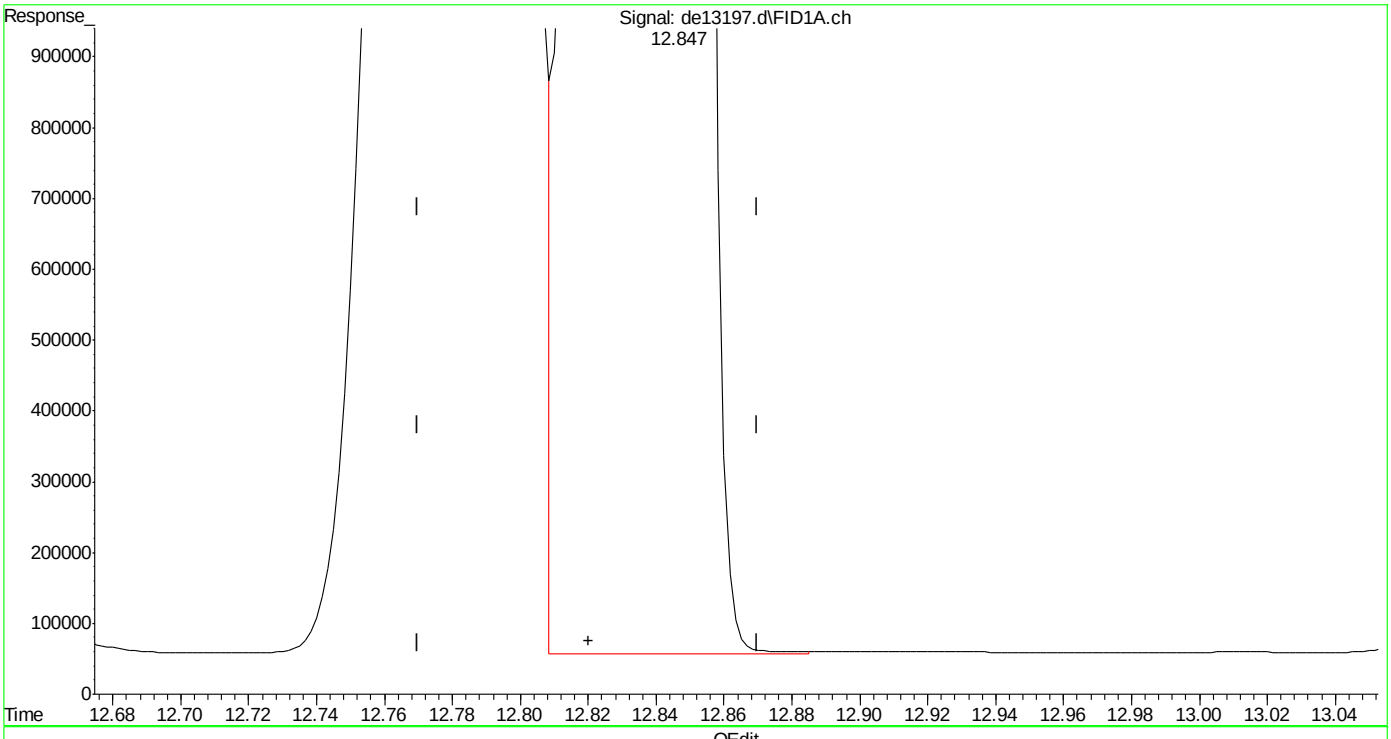
(+) = Expected Retention Time

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.847min 184.428 µg/ml m
response 18069681

(+) = Expected Retention Time

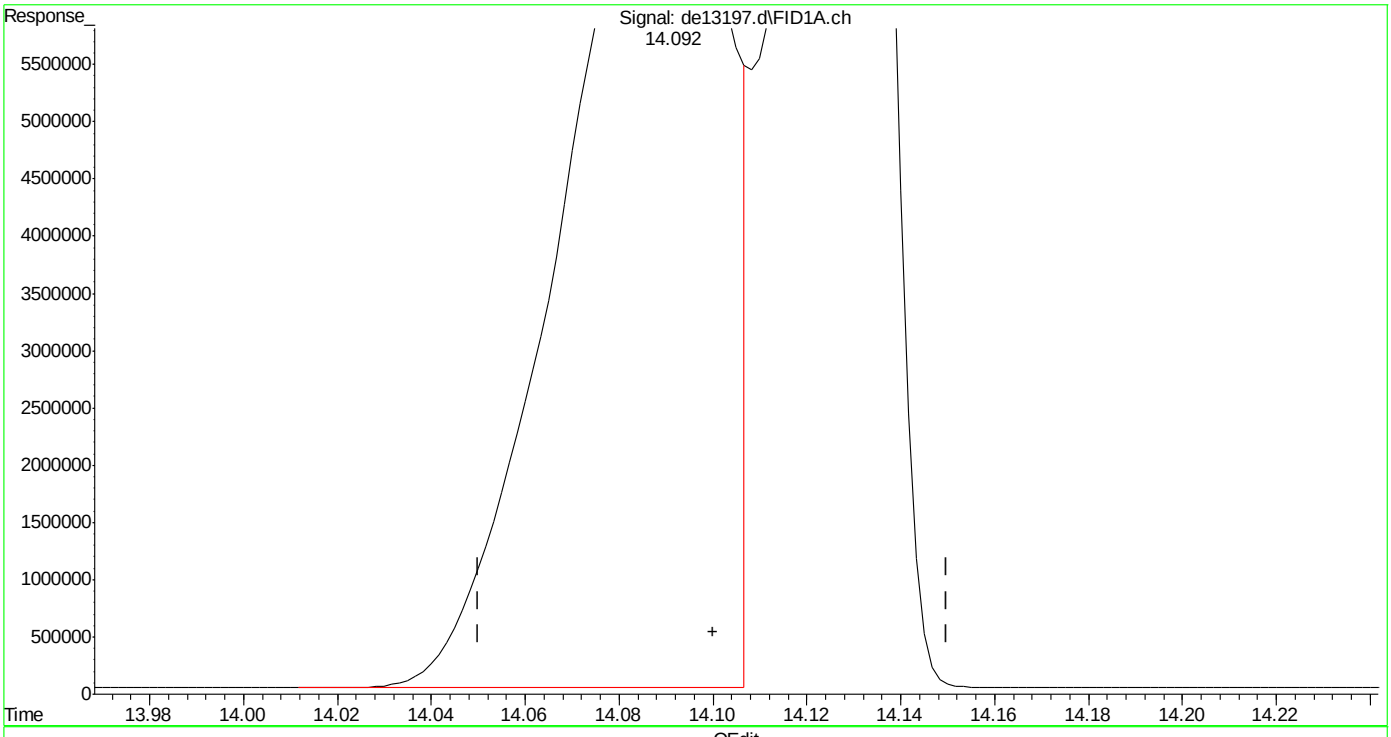
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.092min 196.520 µg/ml
response 18893122

(+) = Expected Retention Time

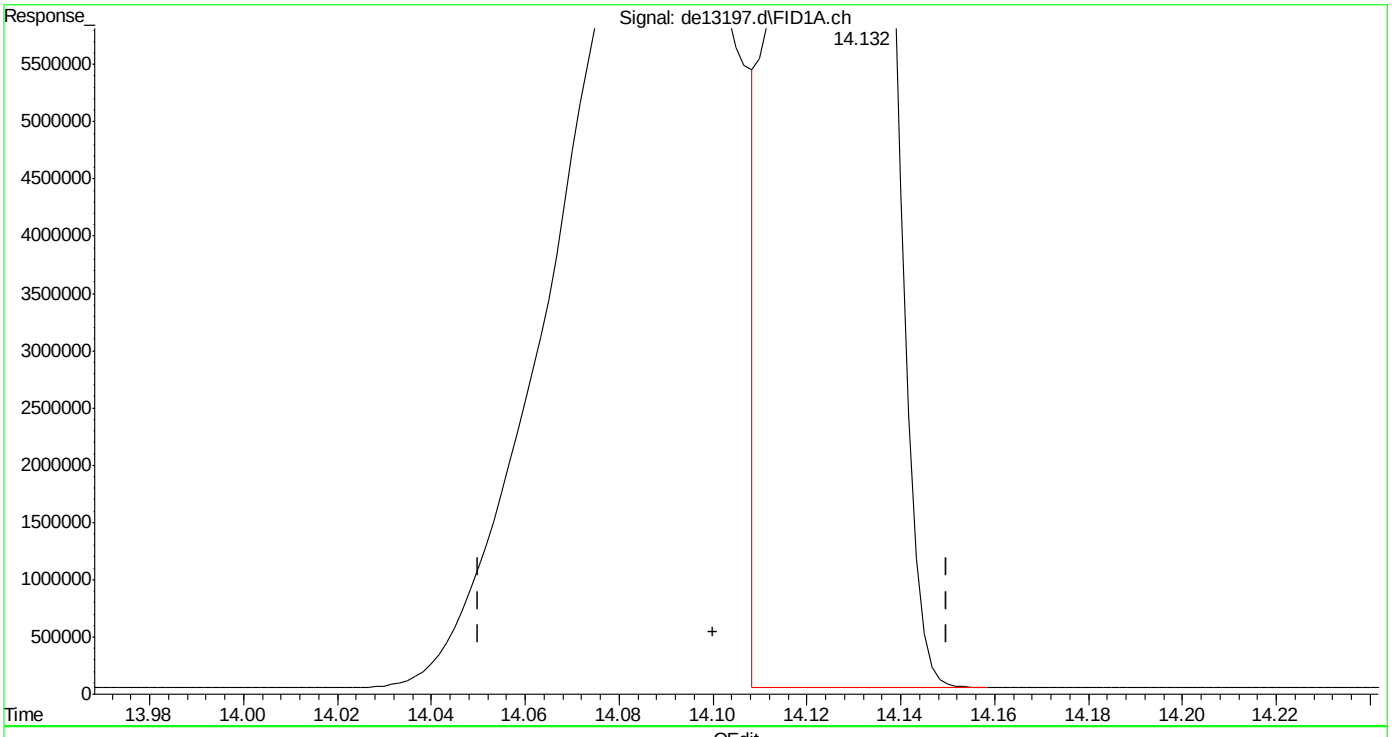
EPH160204M.M Fri Feb 05 11:04:36 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.132min 175.363 µg/ml m
response 16859064

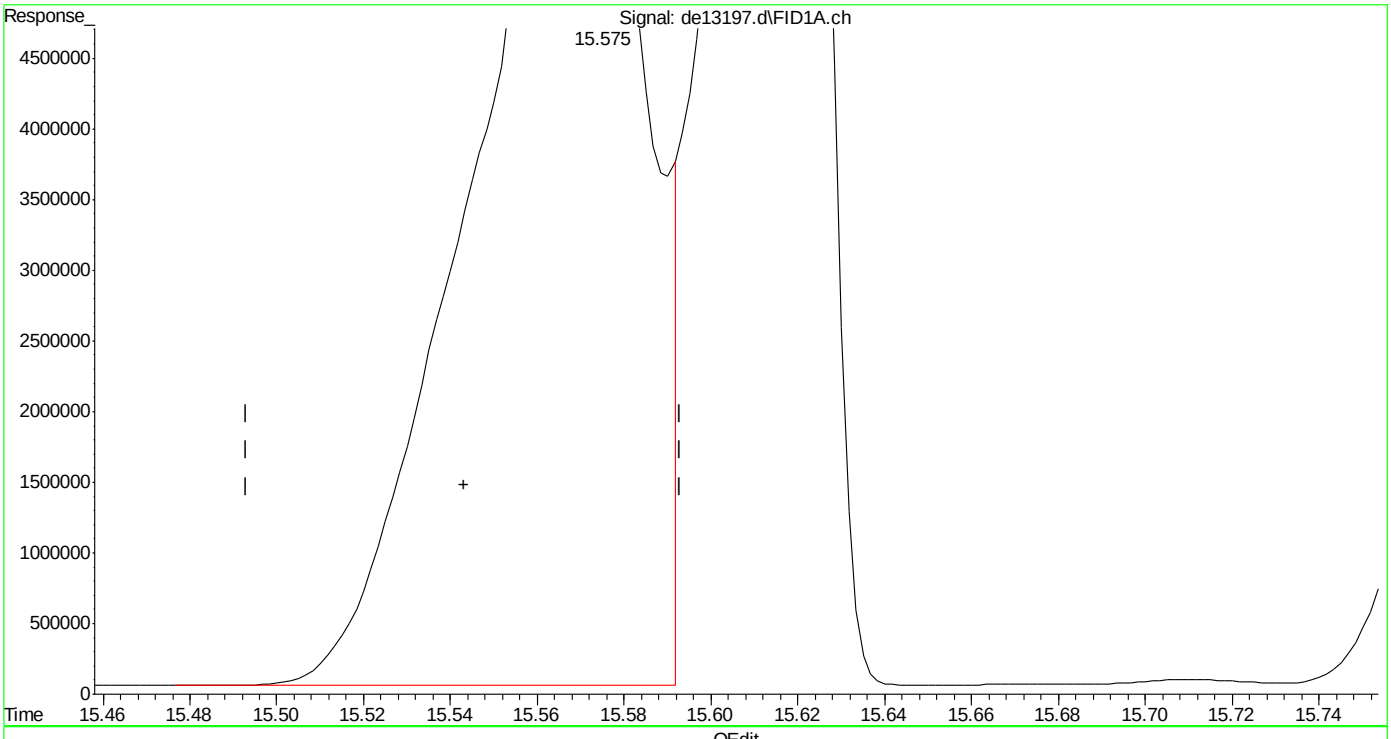
(+) = Expected Retention Time
EPH160204M.M Fri Feb 05 11:04:44 2016 Page: 1

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.575min 197.907 µg/ml
response 19040403

(+) = Expected Retention Time

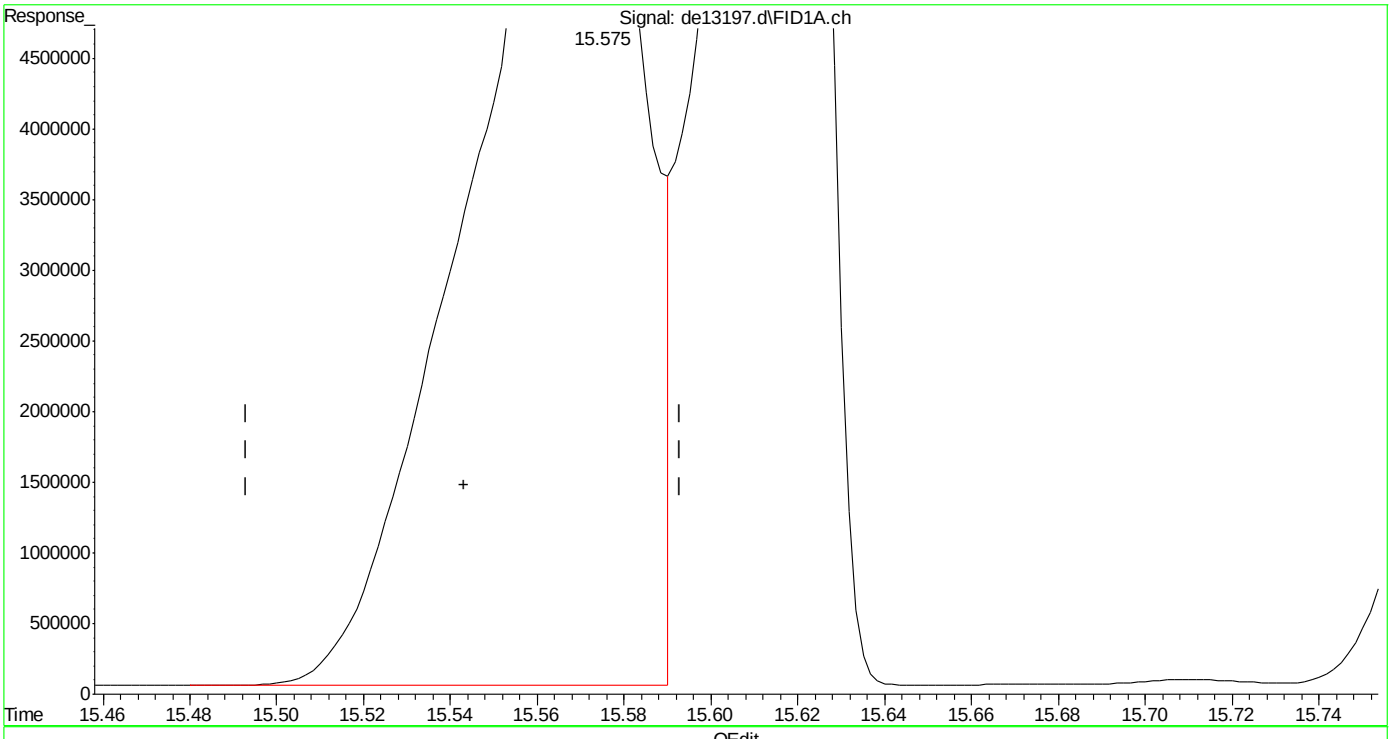
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(19) indeno(1,2,3-cd)pyrene
15.575min 194.062 µg/ml m
response 18670540

(+) = Expected Retention Time

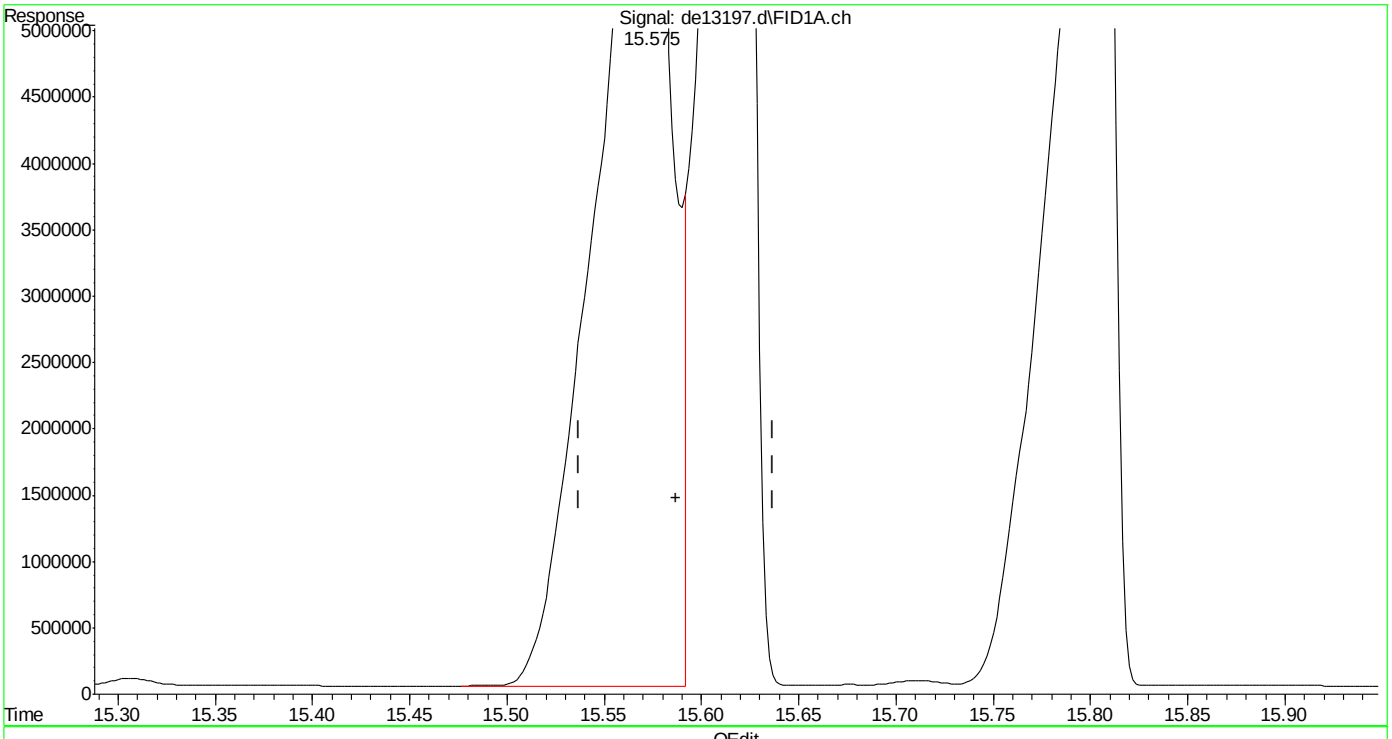
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.575min 206.498 µg/ml
response 19040403

(+) = Expected Retention Time

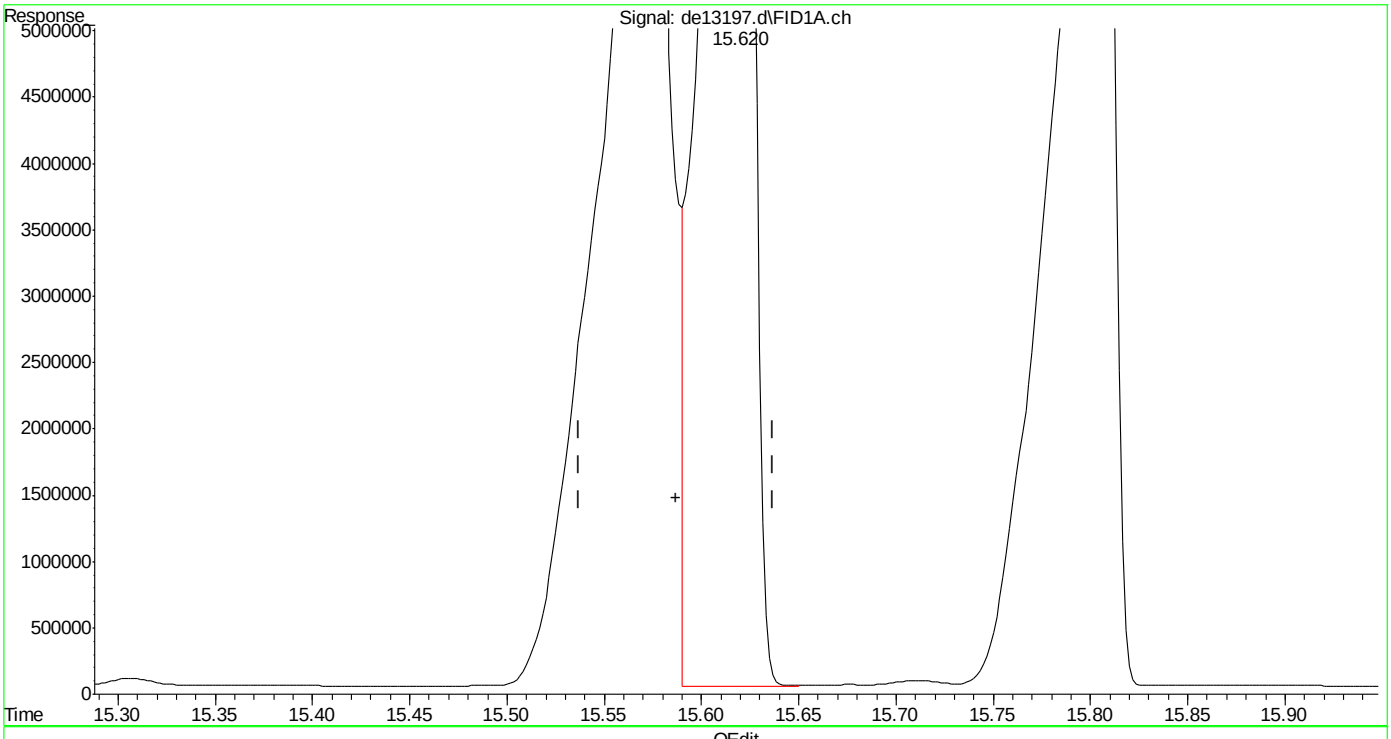
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(20) dibenzo(ah)anthracene
15.620min 180.145 µg/ml m
response 16610466

(+) = Expected Retention Time

EPH160204M.M Fri Feb 05 11:05:26 2016

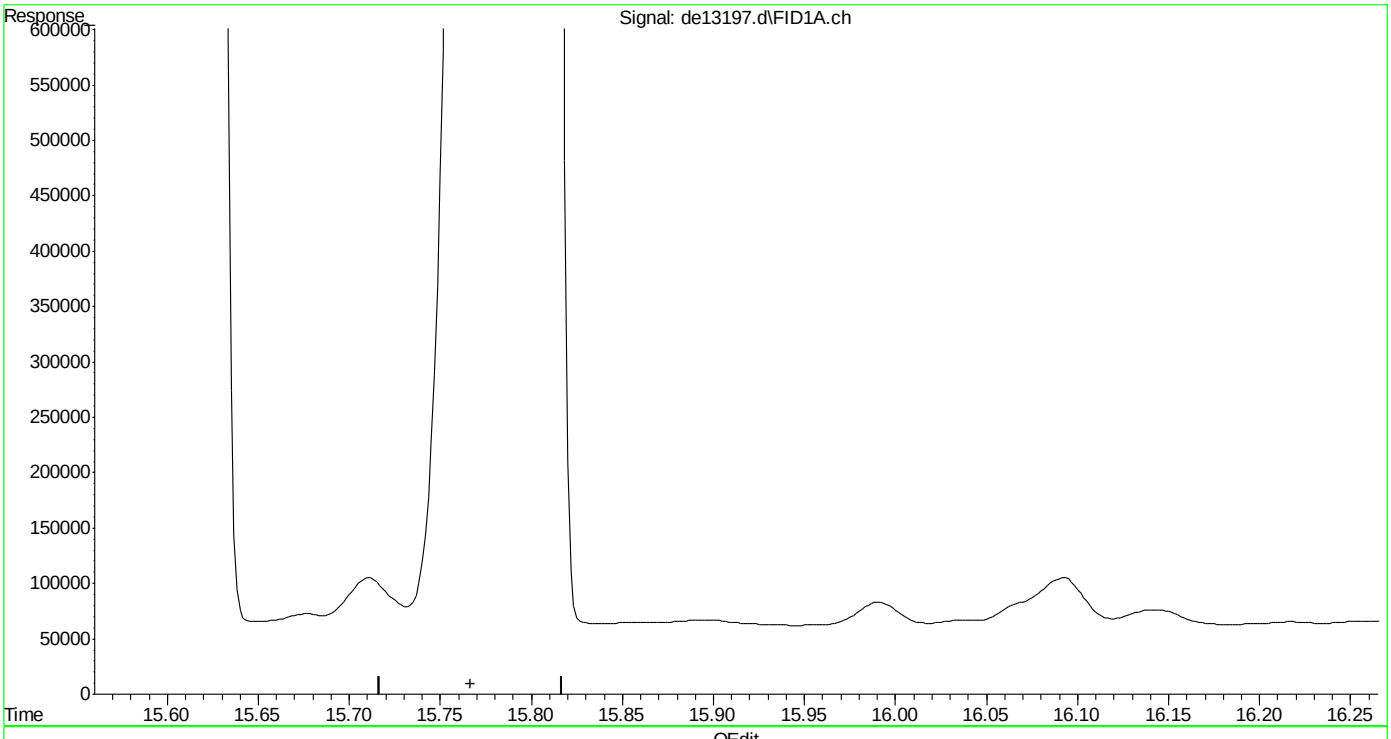
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) benzo(ghi)perylene
0.000min 0.000 µg/ml d
response 0

(+) = Expected Retention Time

EPH160204M.M Fri Feb 05 11:05:42 2016

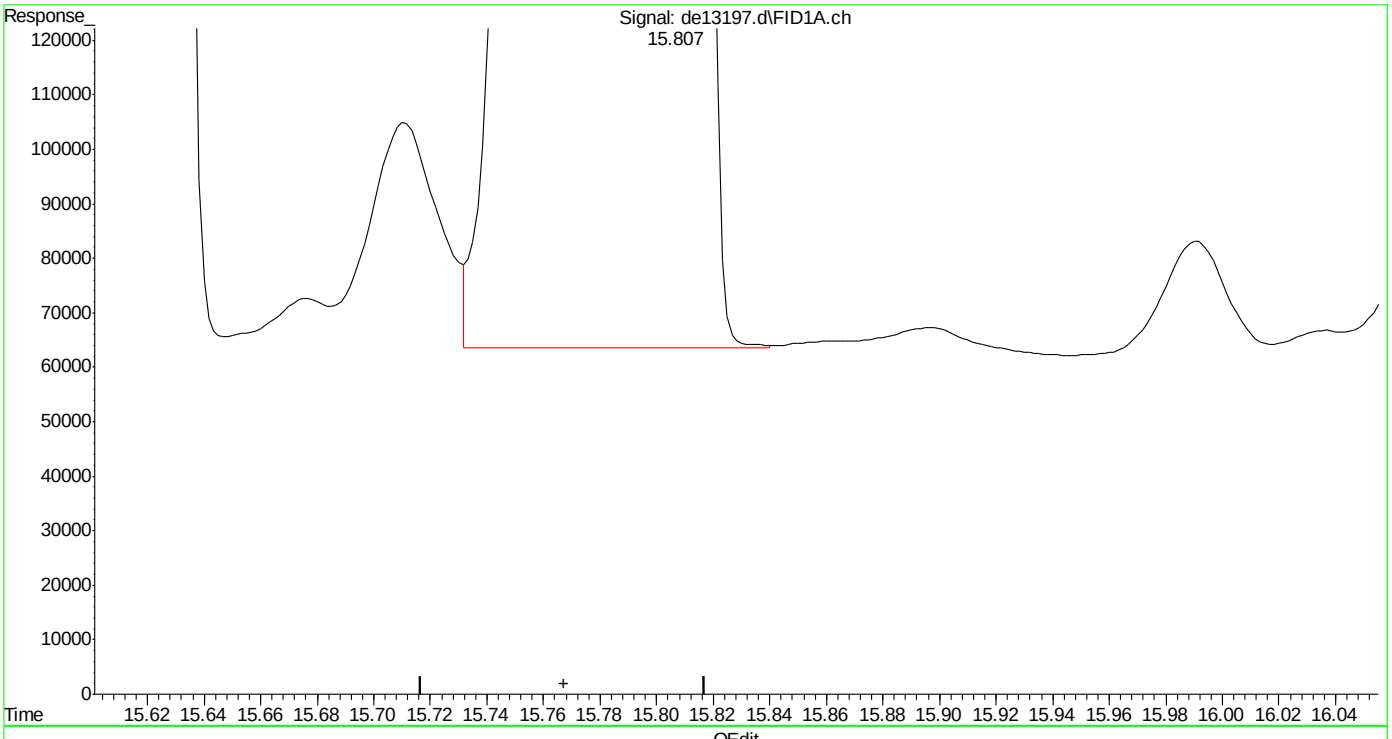
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13197.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 6:54 pm
Operator : thomasa
Sample : ic735-200
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:02:40 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204M.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:02:33 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(21) benzo(ghi)perylene
15.807min 188.129 µg/ml m
response 17523714

(+) = Expected Retention Time

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
02/05/16 16:58

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:53:41 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

Compound	R.T.	Response	Conc Units
System Monitoring Compounds			
4) s 2-fluorobiphenyl	6.807	4785763	51.889 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 259.44%#		
6) s 2-bromonaphthalene	7.540	3261205	51.967 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 259.83%#		
11) s o-terphenyl	10.085	5227790	51.039 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 255.20%#		
35) s 1-chlorooctadecane	11.252	2968966	52.479 µg/ml
Spiked Amount 20.000 Range 8 - 28	Recovery = 262.39%#		
Target Compounds			
2) naphthalene	5.357	5321324	51.593 µg/ml
3) 2-methylnaphthalene	6.255	5225758	50.992 µg/ml
5) acenaphthylene	7.373	5189401	51.584 µg/ml
7) acenaphthene	7.617	5299977	51.269 µg/ml
8) fluorene	8.260	5216935	51.364 µg/ml
9) phenanthrene	9.443	5176102	50.864 µg/ml
10) anthracene	9.502	5163442	53.227 µg/ml
12) fluoranthene	10.953	5147188	51.502 µg/ml
13) pyrene	11.210	5076986	50.038 µg/ml
14) benzo(a)anthracene	12.773	5010585	51.829 µg/mlm
15) chrysene	12.822	4818393	49.500 µg/mlm
16) benzo(B)fluoranthene	14.070	5126155	51.778 µg/mlm
17) benzo(k)fluoranthene	14.102	4808431	50.882 µg/mlm
18) benzo(a)pyrene	14.405	4486318	48.535 µg/ml
19) indeno(1,2,3-cd)pyrene	15.543	4825283	50.976 µg/ml
20) dibenzo(ah)anthracene	15.588	4714989	51.587 µg/ml
21) benzo(ghi)perylene	15.768	4765990	51.735 µg/ml
25) h c-9	2.680	3669865	49.679 µg/mlm
26) h c-10	3.833	3682081	49.844 µg/ml
27) naphthalene #2	5.515	4035939	50.530 µg/ml
28) c-12	5.688	3625160	49.073 µg/ml
29) 2-methylnaphthalene #2	6.408	3954192	49.080 µg/ml
30) c-14	7.205	3605226	48.804 µg/ml
31) c-16	8.535	3538485	47.900 µg/ml
32) c-18	9.730	3494684	47.307 µg/ml
33) c-19	10.285	3424371	51.258 µg/ml
34) c-20	10.817	3390870	50.757 µg/ml
36) c-22	11.812	3335369	49.926 µg/ml
37) c-24	12.730	3275936	49.036 µg/ml
38) c-26	13.582	3251556	48.671 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:53:41 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
39)	c-28	14.375	3204302	47.964	µg/ml
40) h	c-30	15.122	3143578	47.055	µg/ml
41) h	c-36	17.010	2933493	43.910	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

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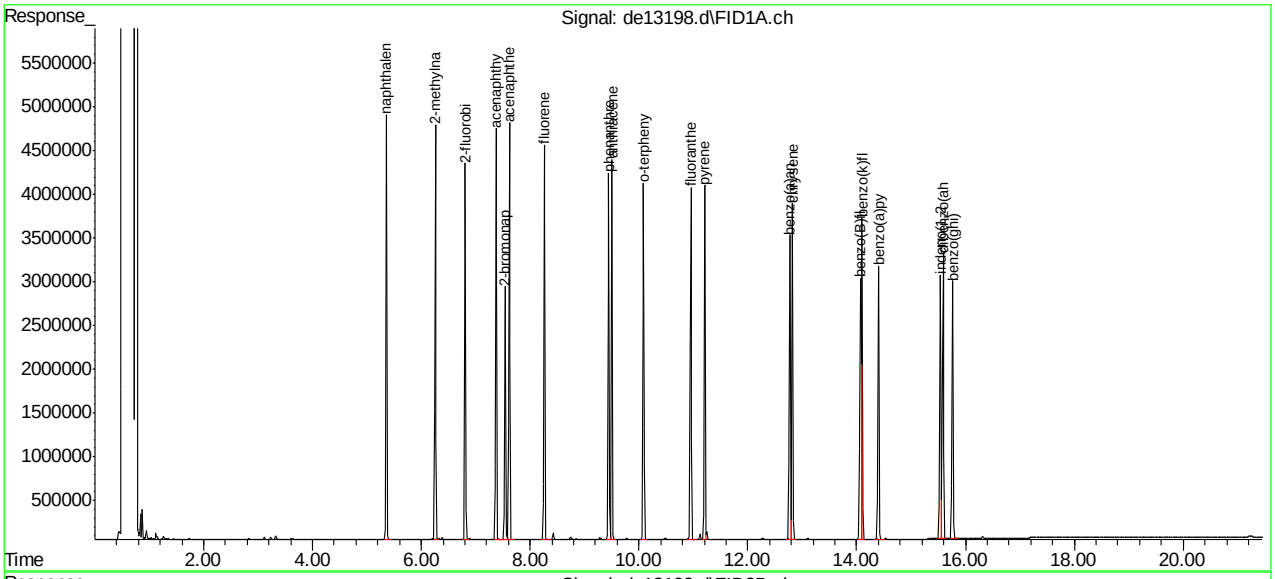
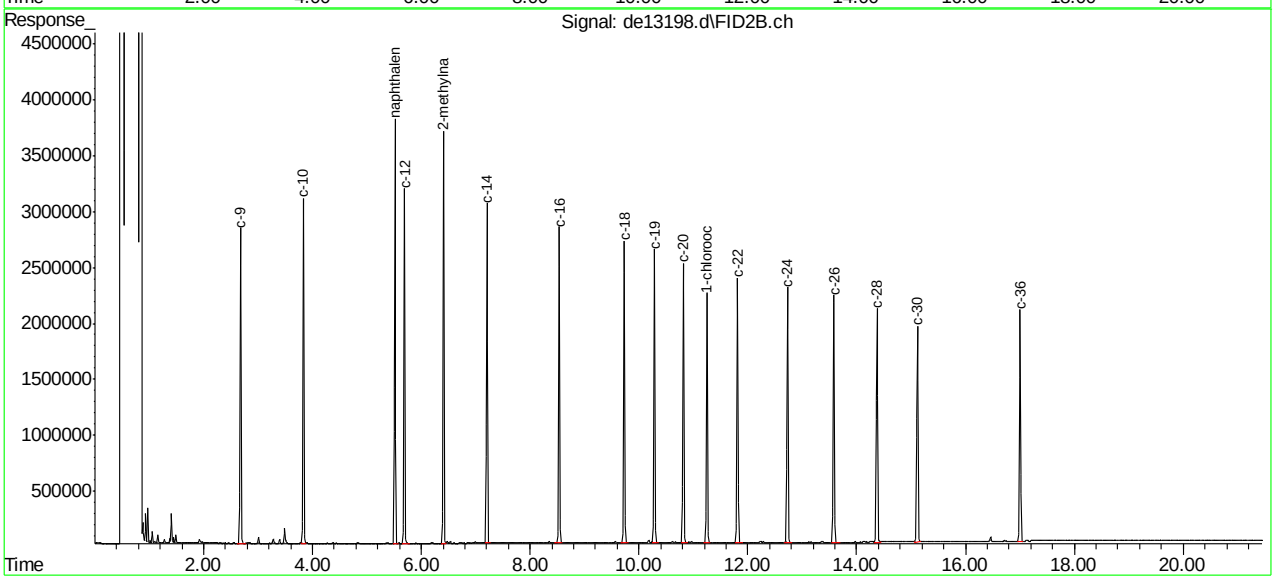
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46167,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:53:41 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

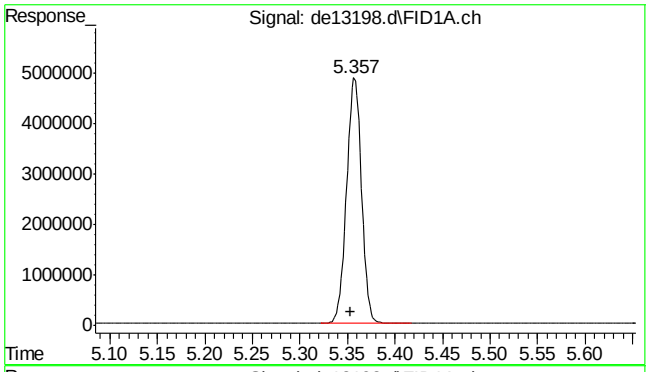
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





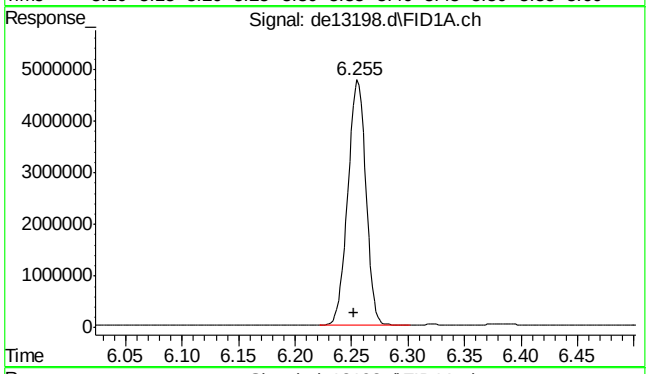
EPH160204W.M Fri Feb 05 14:30:14 2016 Page: 3

SGS ACCUTEST MC45857



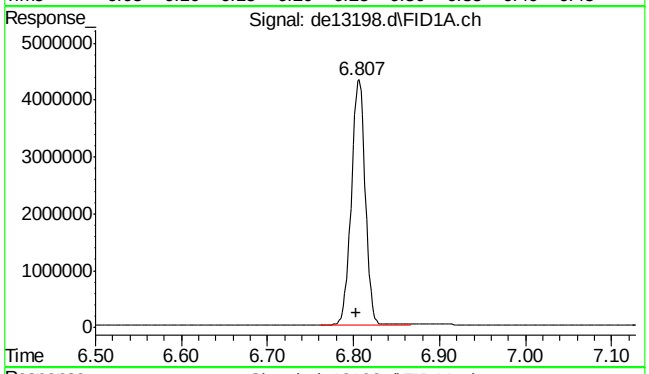
#2 naphthalene

R.T.: 5.357 min
Delta R.T.: 0.004 min
Response: 5321324
Conc: 51.59 µg/ml



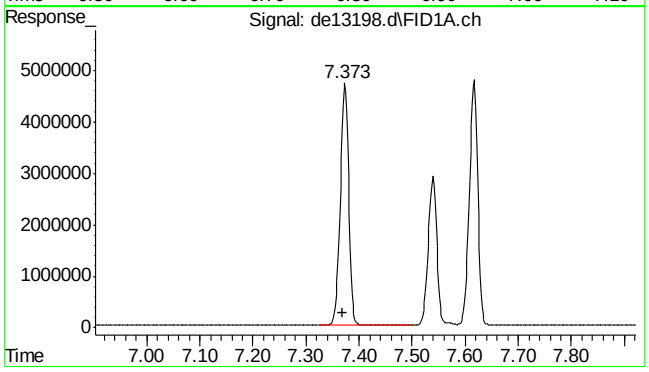
#3 2-methylnaphthalene

R.T.: 6.255 min
Delta R.T.: 0.003 min
Response: 5225758
Conc: 50.99 µg/ml



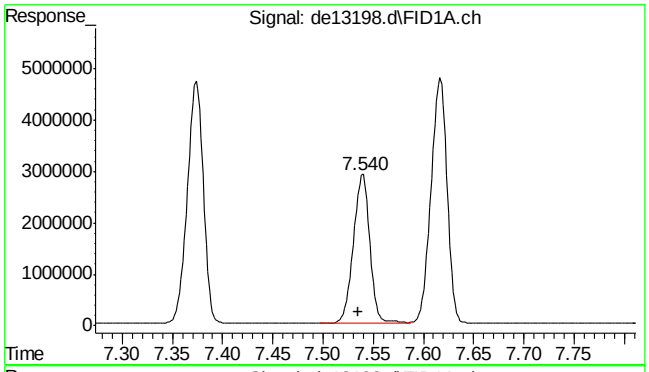
#4 2-fluorobiphenyl

R.T.: 6.807 min
Delta R.T.: 0.004 min
Response: 4785763
Conc: 51.89 µg/ml



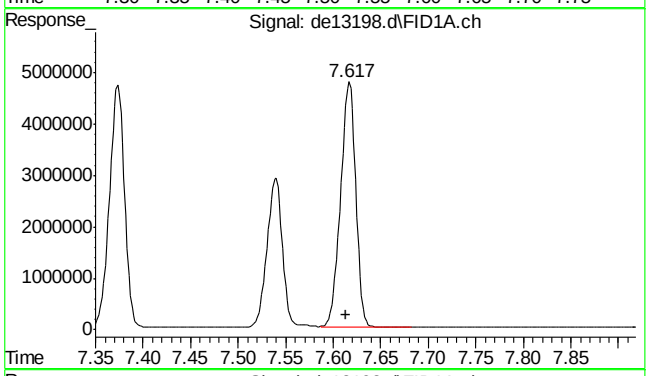
#5 acenaphthylene

R.T.: 7.373 min
Delta R.T.: 0.003 min
Response: 5189401
Conc: 51.58 µg/ml



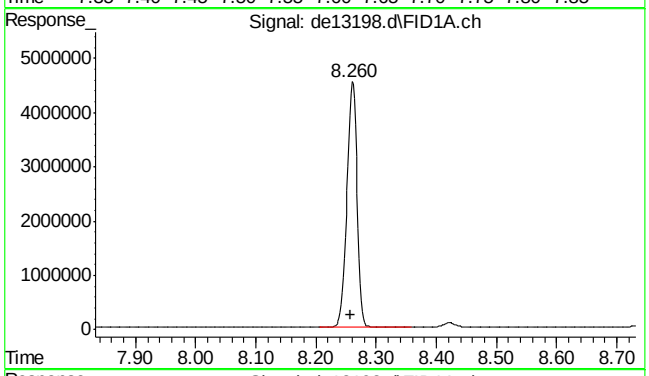
#6 2-bromonaphthalene

R.T.: 7.540 min
Delta R.T.: 0.005 min
Response: 3261205
Conc: 51.97 µg/ml



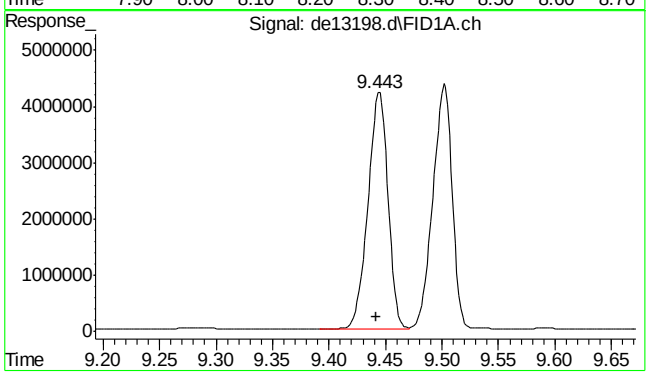
#7 acenaphthene

R.T.: 7.617 min
Delta R.T.: 0.004 min
Response: 5299977
Conc: 51.27 µg/ml



#8 fluorene

R.T.: 8.260 min
Delta R.T.: 0.003 min
Response: 5216935
Conc: 51.36 µg/ml



#9 phenanthrene

R.T.: 9.443 min
Delta R.T.: 0.001 min
Response: 5176102
Conc: 50.86 µg/ml

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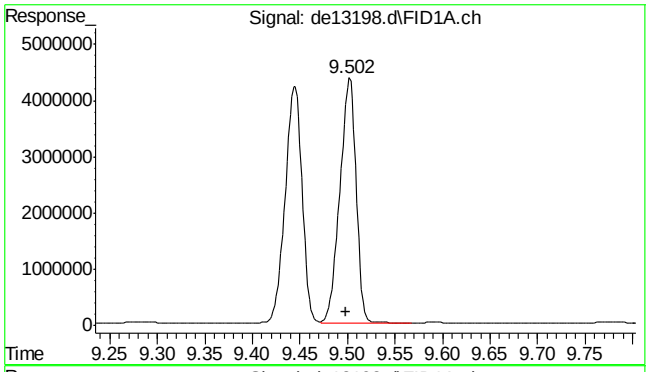
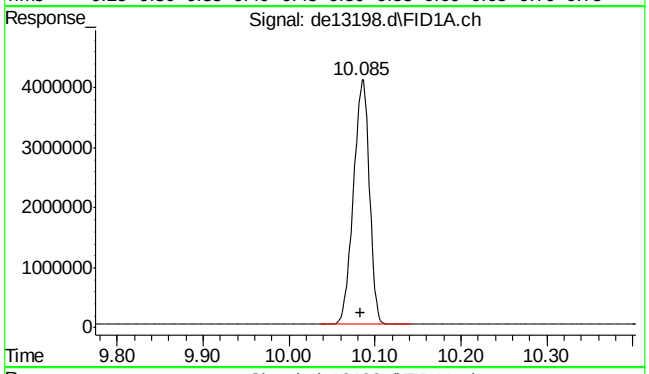


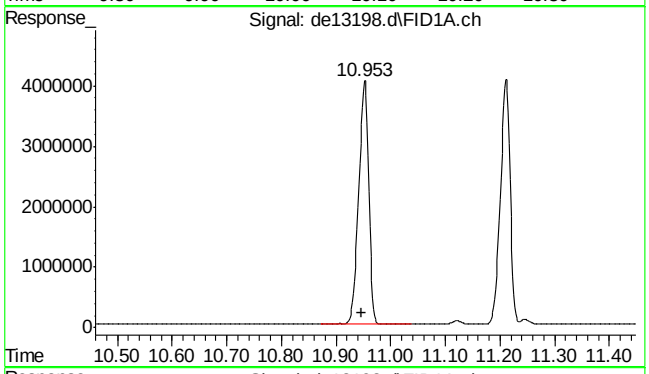
#10 anthracene

R.T.: 9.502 min
Delta R.T.: 0.004 min
Response: 5163442
Conc: 53.23 µg/ml



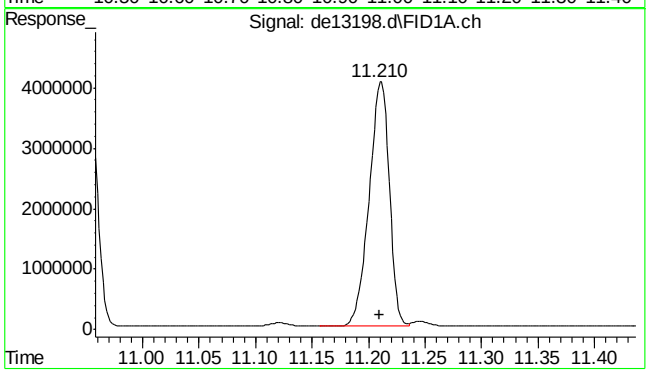
#11 o-terphenyl

R.T.: 10.085 min
Delta R.T.: 0.002 min
Response: 5227790
Conc: 51.04 µg/ml



#12 fluoranthene

R.T.: 10.953 min
Delta R.T.: 0.005 min
Response: 5147188
Conc: 51.50 µg/ml



#13 pyrene

R.T.: 11.210 min
Delta R.T.: 0.000 min
Response: 5076986
Conc: 50.04 µg/ml

9.4.8

9

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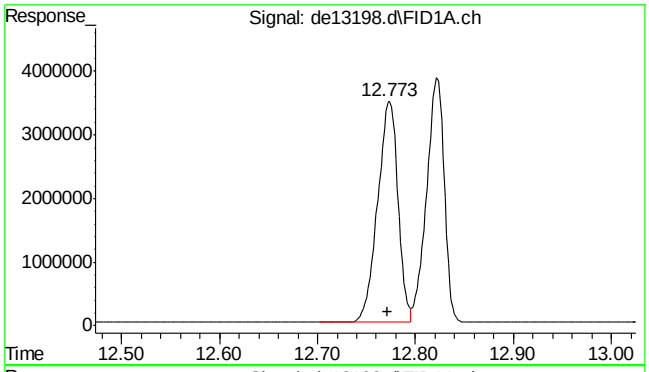
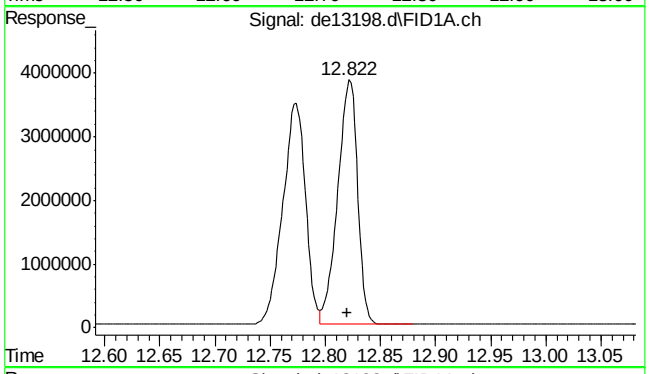


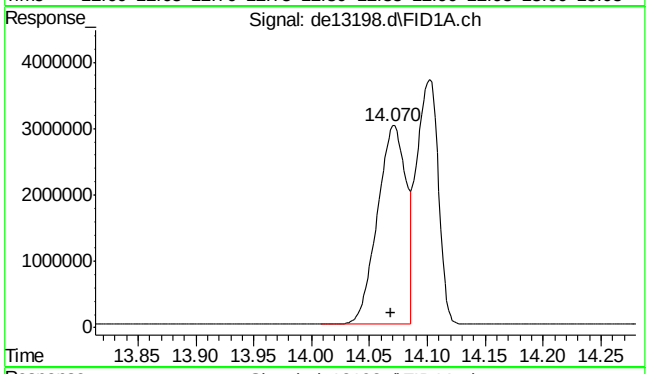
#14 benzo(a)anthracene

R.T.: 12.773 min
Delta R.T.: 0.001 min
Response: 5010585
Conc: 51.83 µg/ml m



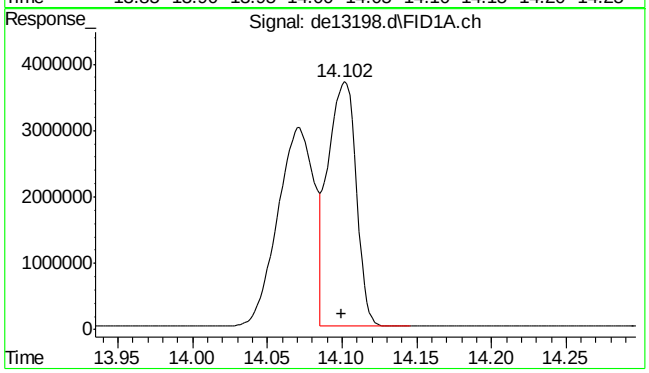
#15 chrysene

R.T.: 12.822 min
Delta R.T.: 0.002 min
Response: 4818393
Conc: 49.50 µg/ml m



#16 benzo(B)fluoranthene

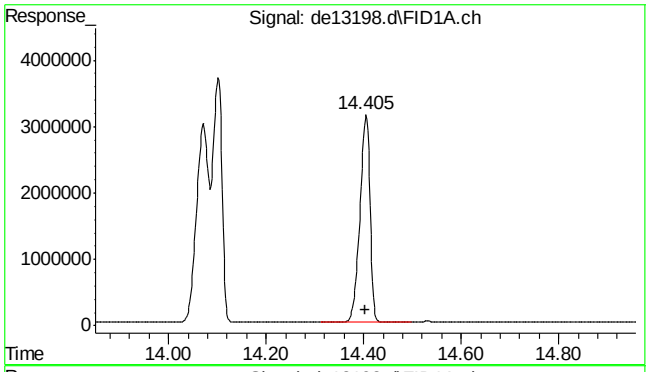
R.T.: 14.070 min
Delta R.T.: 0.002 min
Response: 5126155
Conc: 51.78 µg/ml m



#17 benzo(k)fluoranthene

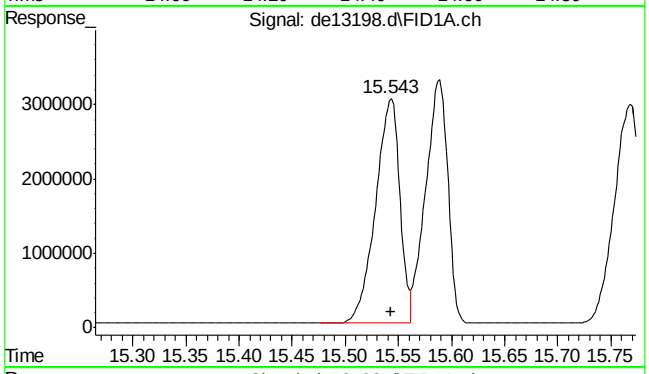
R.T.: 14.102 min
Delta R.T.: 0.002 min
Response: 4808431
Conc: 50.88 µg/ml m

SGS ACCUTEST MC45857



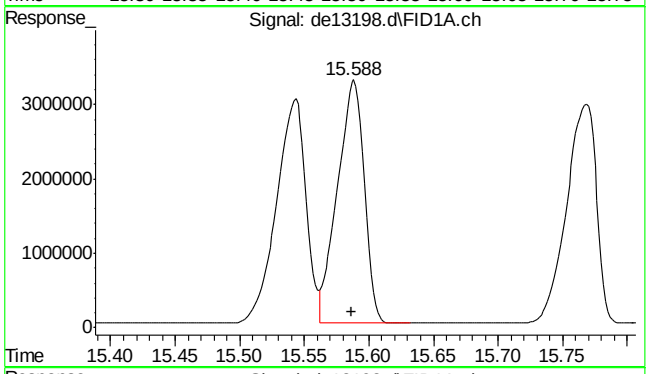
#18 benzo(a)pyrene

R.T.: 14.405 min
Delta R.T.: 0.003 min
Response: 4486318
Conc: 48.53 µg/ml



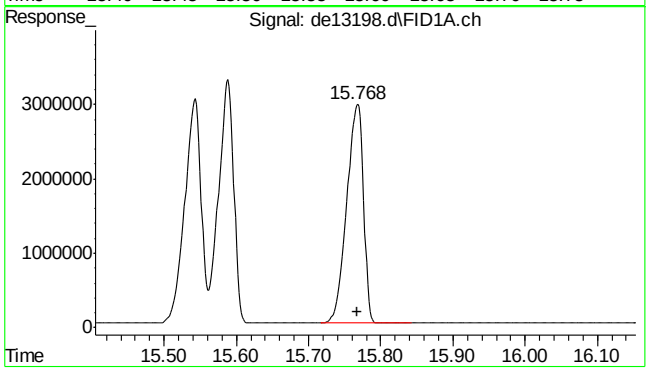
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.543 min
Delta R.T.: 0.000 min
Response: 4825283
Conc: 50.98 µg/ml



#20 dibenzo(ah)anthracene

R.T.: 15.588 min
Delta R.T.: 0.001 min
Response: 4714989
Conc: 51.59 µg/ml



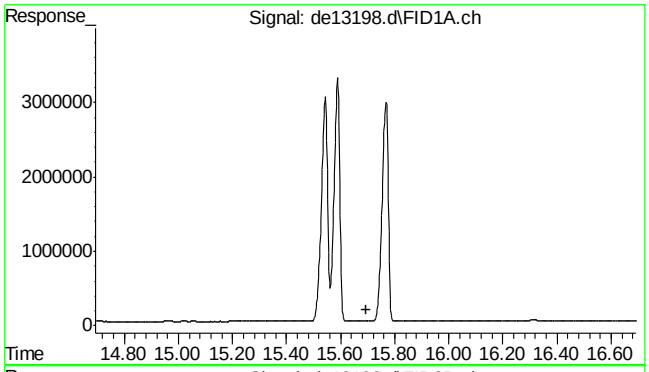
#21 benzo(ghi)perylene

R.T.: 15.768 min
Delta R.T.: 0.001 min
Response: 4765990
Conc: 51.73 µg/ml

9.4.8

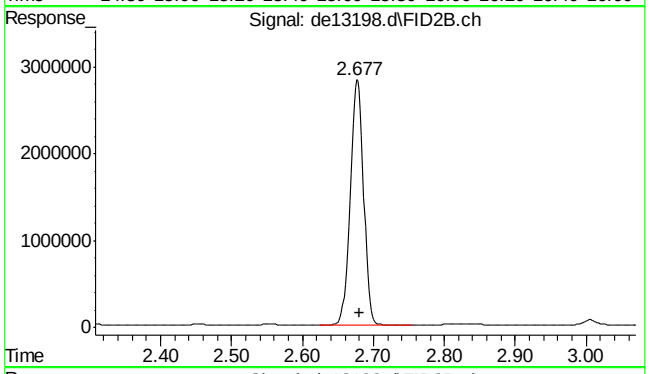
9

SGS ACCUTEST MC45857



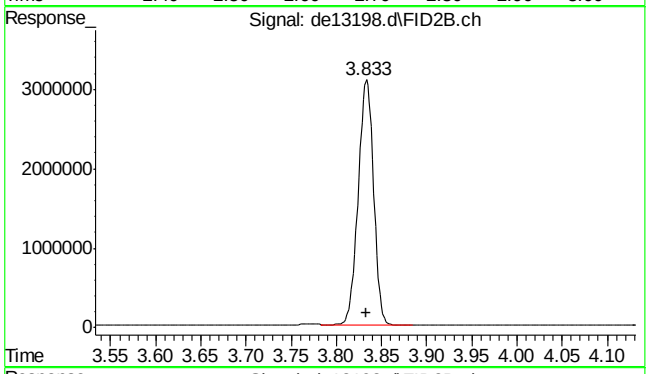
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.693 min
Response: 0
Conc: N.D.



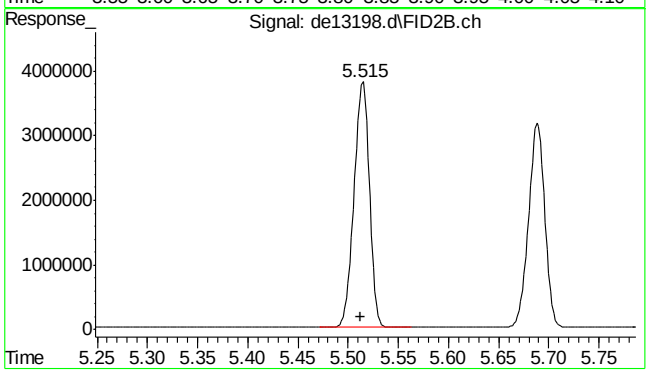
#25 c-9

R.T.: 2.680 min
Delta R.T.: 0.000 min
Response: 3669865
Conc: 49.68 µg/ml m



#26 c-10

R.T.: 3.833 min
Delta R.T.: 0.000 min
Response: 3682081
Conc: 49.84 µg/ml



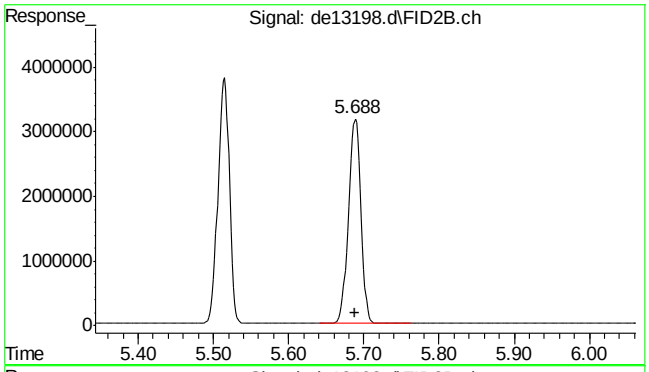
#27 naphthalene #2

R.T.: 5.515 min
Delta R.T.: 0.002 min
Response: 4035939
Conc: 50.53 µg/ml

9.4.8

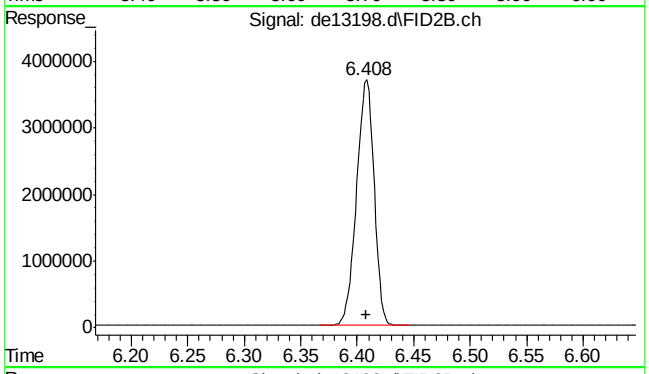
9

SGS ACCUTEST MC45857



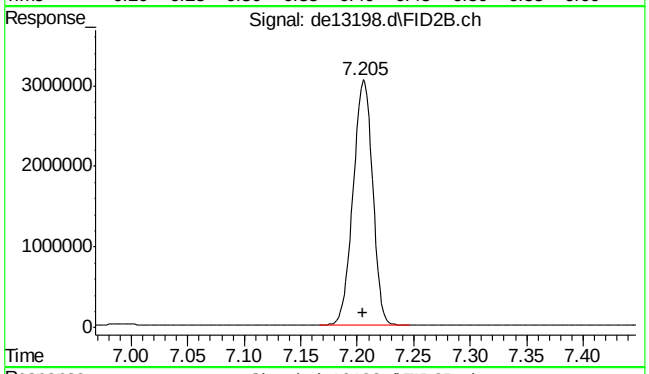
#28 c-12

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 3625160
Conc: 49.07 µg/ml



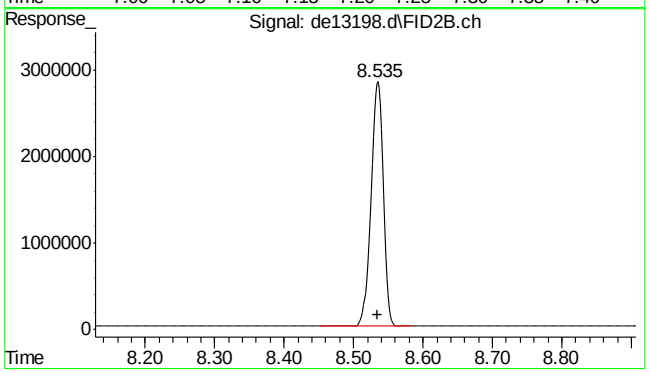
#29 2-methylnaphthalene #2

R.T.: 6.408 min
Delta R.T.: 0.000 min
Response: 3954192
Conc: 49.08 µg/ml



#30 c-14

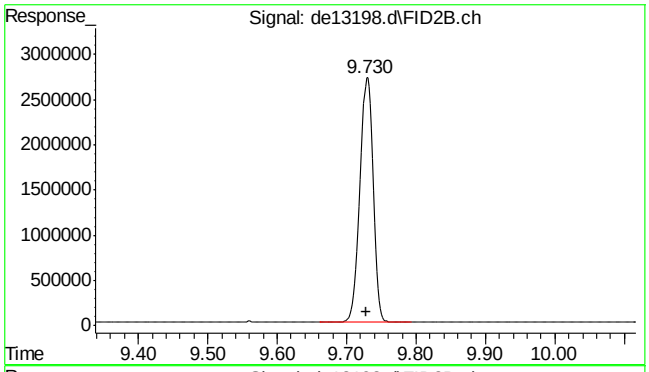
R.T.: 7.205 min
Delta R.T.: 0.000 min
Response: 3605226
Conc: 48.80 µg/ml



#31 c-16

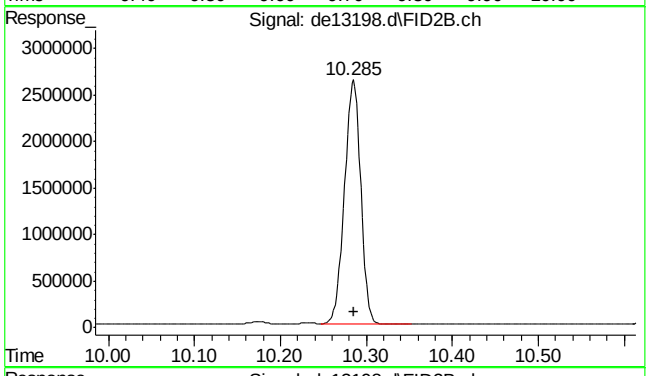
R.T.: 8.535 min
Delta R.T.: 0.000 min
Response: 3538485
Conc: 47.90 µg/ml

SGS ACCUTEST MC45857



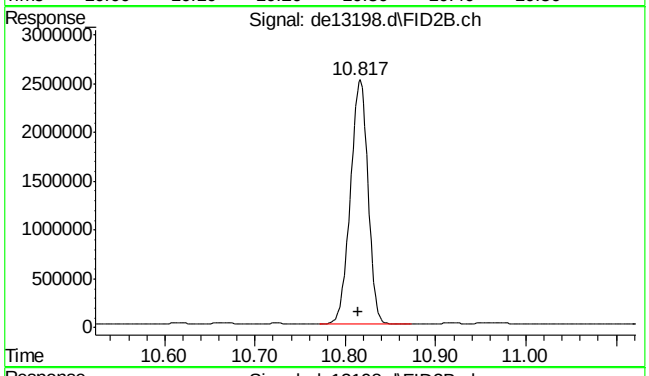
#32 c-18

R.T.: 9.730 min
Delta R.T.: 0.002 min
Response: 3494684
Conc: 47.31 µg/ml



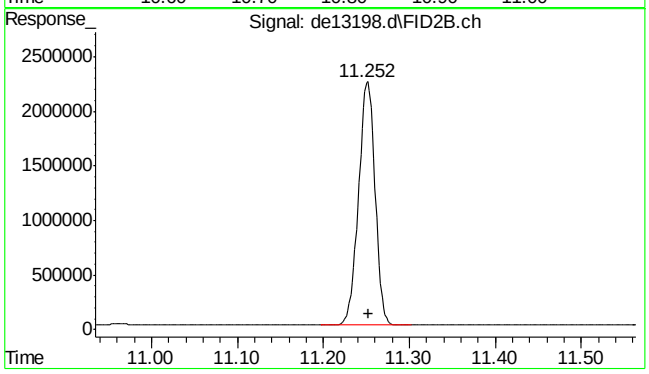
#33 c-19

R.T.: 10.285 min
Delta R.T.: 0.000 min
Response: 3424371
Conc: 51.26 µg/ml



#34 c-20

R.T.: 10.817 min
Delta R.T.: 0.002 min
Response: 3390870
Conc: 50.76 µg/ml



#35 1-chlorooctadecane

R.T.: 11.252 min
Delta R.T.: 0.000 min
Response: 2968966
Conc: 52.48 µg/ml

9.4.8

9

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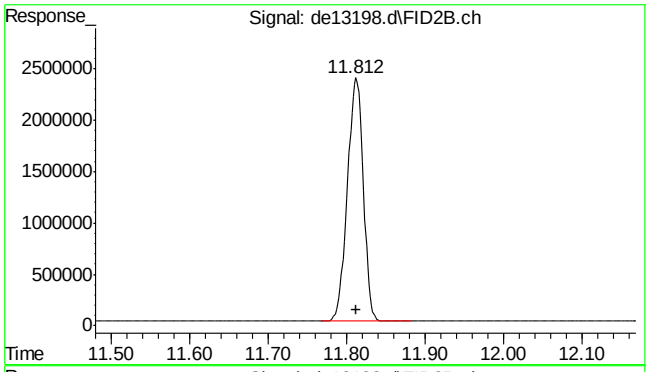
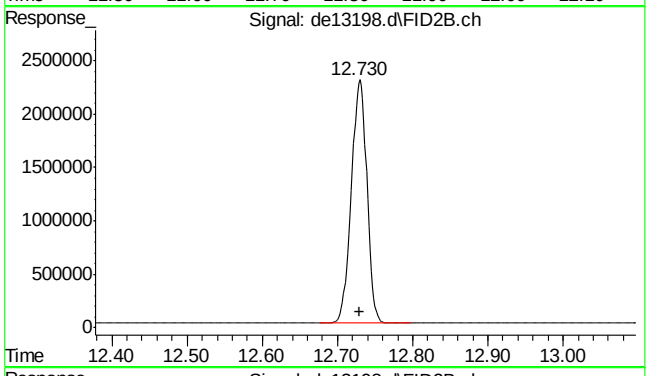


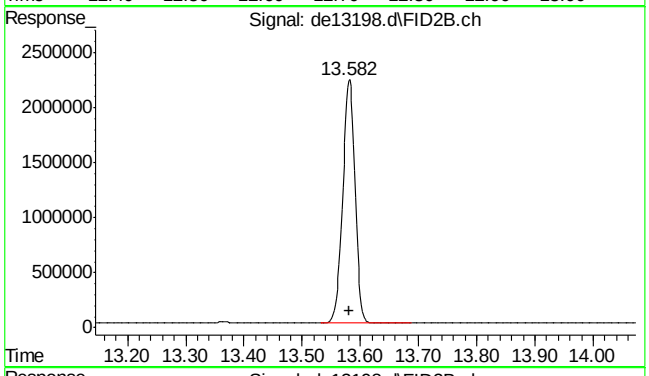
#36 c-22

R.T.: 11.812 min
Delta R.T.: 0.000 min
Response: 3335369
Conc: 49.93 µg/ml



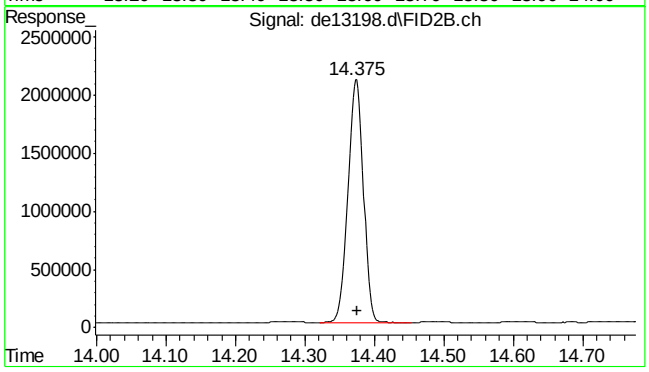
#37 c-24

R.T.: 12.730 min
Delta R.T.: 0.000 min
Response: 3275936
Conc: 49.04 µg/ml



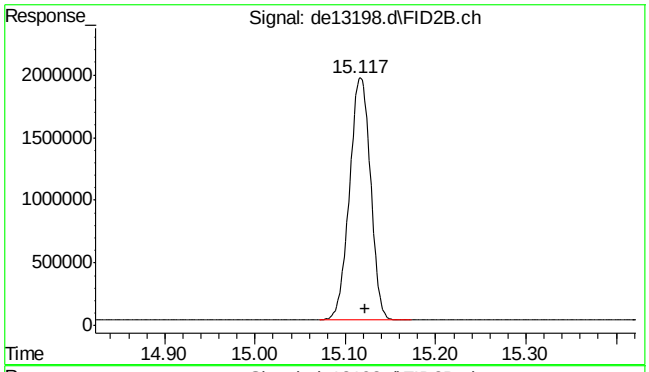
#38 c-26

R.T.: 13.582 min
Delta R.T.: 0.000 min
Response: 3251556
Conc: 48.67 µg/ml



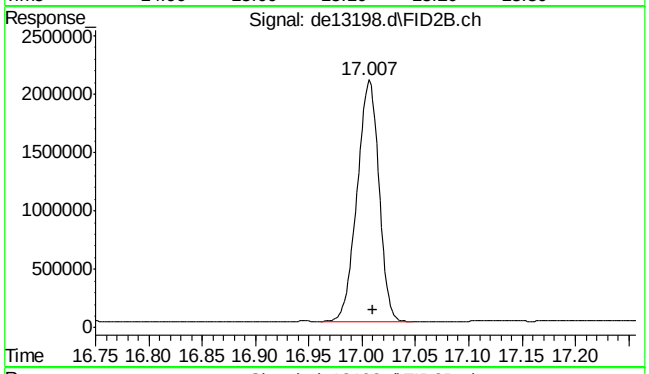
#39 c-28

R.T.: 14.375 min
Delta R.T.: 0.000 min
Response: 3204302
Conc: 47.96 µg/ml



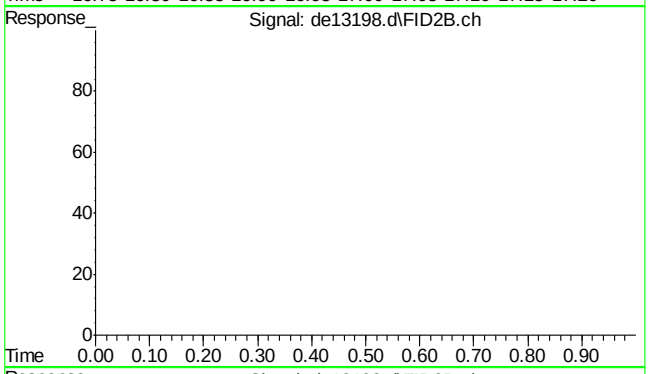
#40 c-30

R.T.: 15.122 min
Delta R.T.: 0.000 min
Response: 3143578
Conc: 47.06 µg/ml



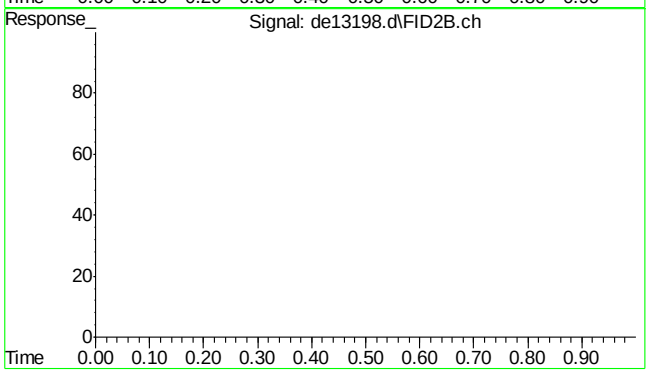
#41 c-36

R.T.: 17.010 min
Delta R.T.: 0.000 min
Response: 2933493
Conc: 43.91 µg/ml m



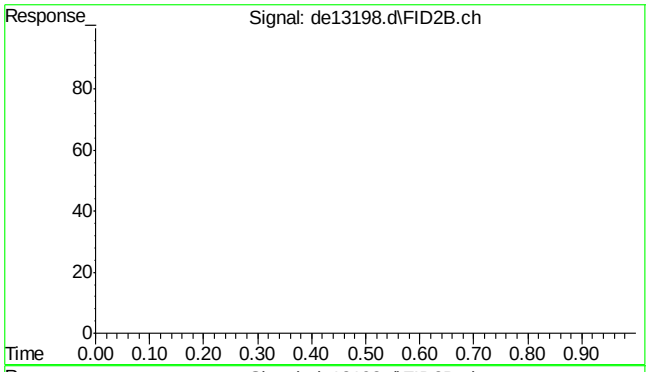
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



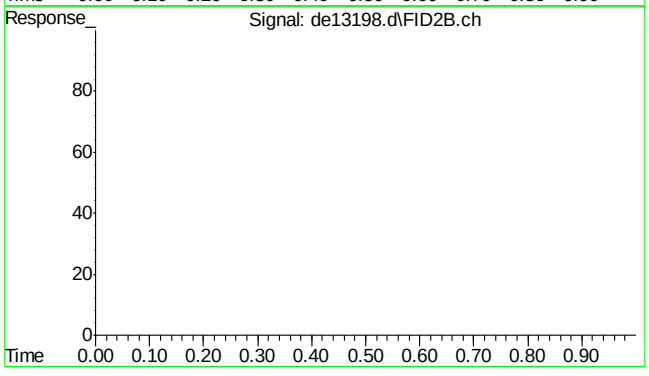
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```



#45 bht

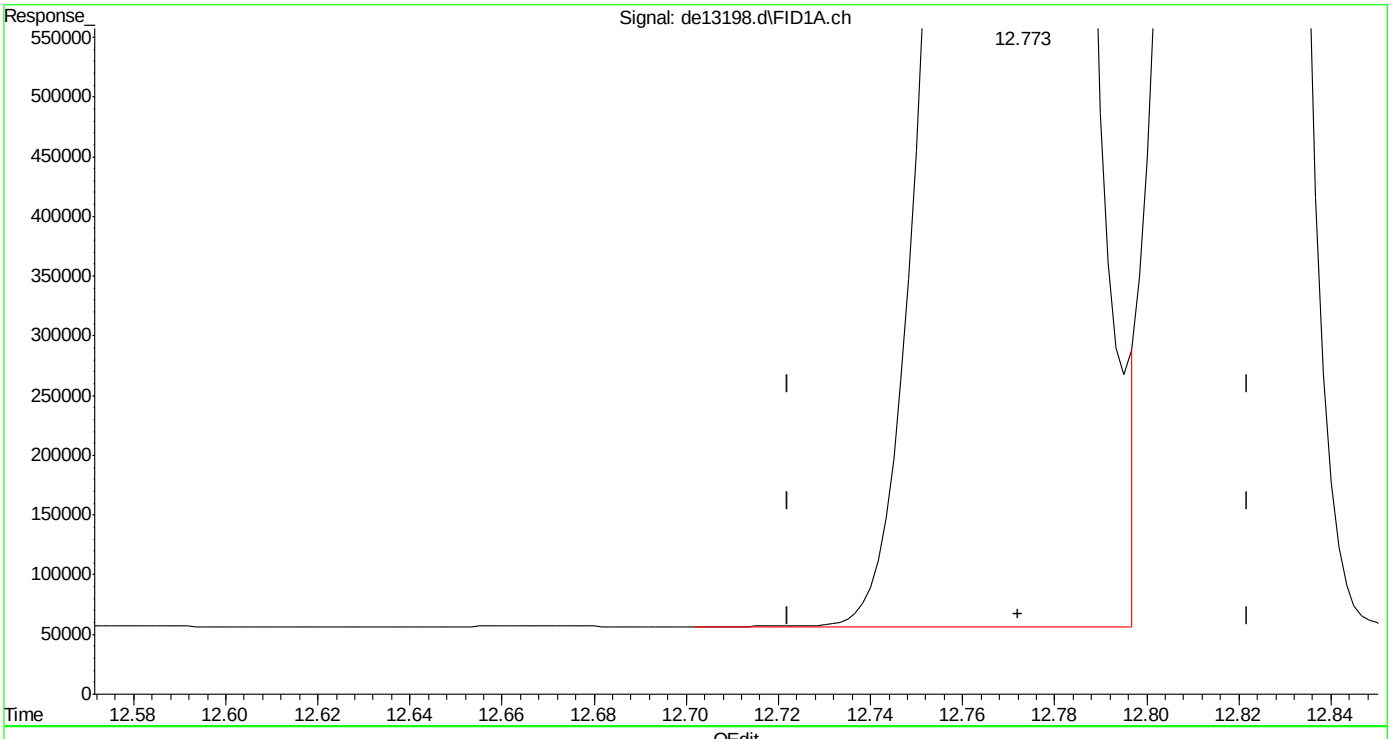
```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.773min 52.075 µg/ml
response 5034310

(+) = Expected Retention Time

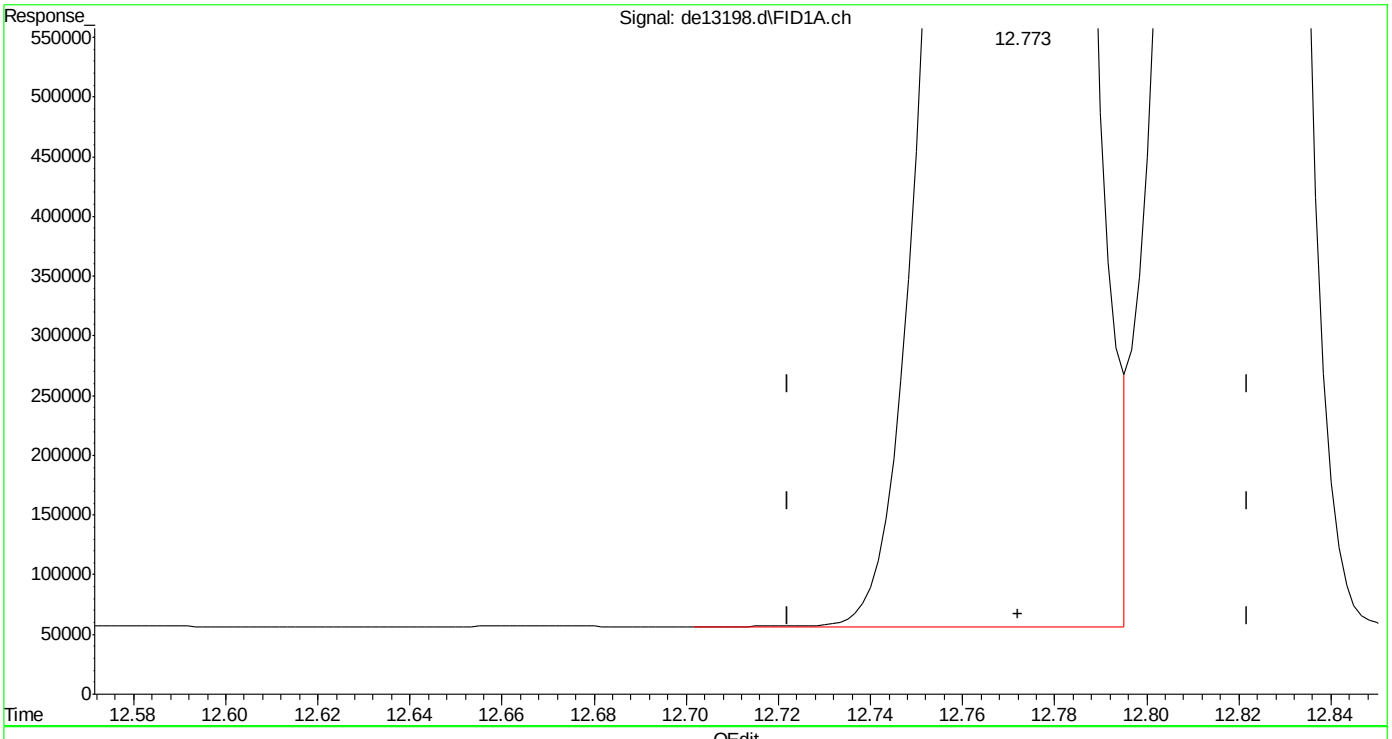
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.773min 51.829 µg/ml m
response 5010585

(+) = Expected Retention Time

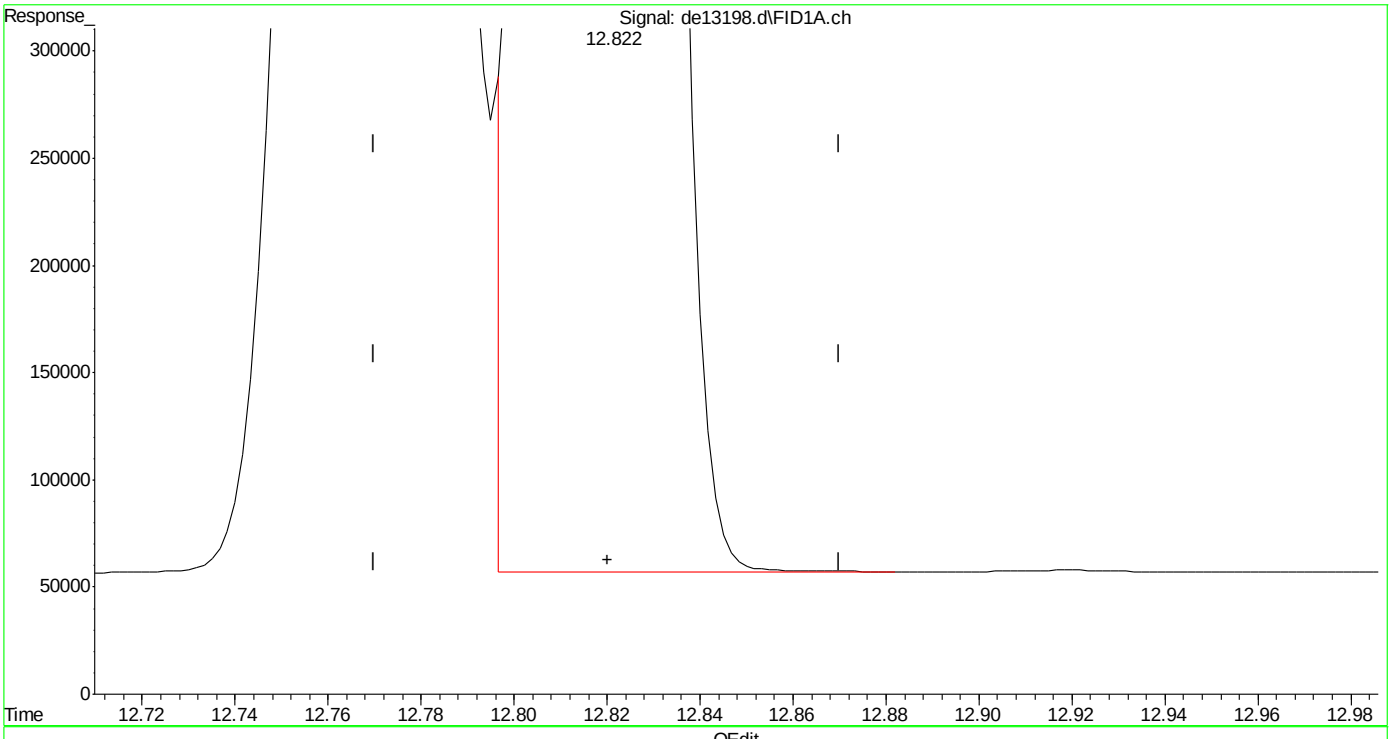
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.822min 49.264 µg/ml
response 4795363

(+) = Expected Retention Time
EPH160204W.M Fri Feb 05 11:46:32 2016

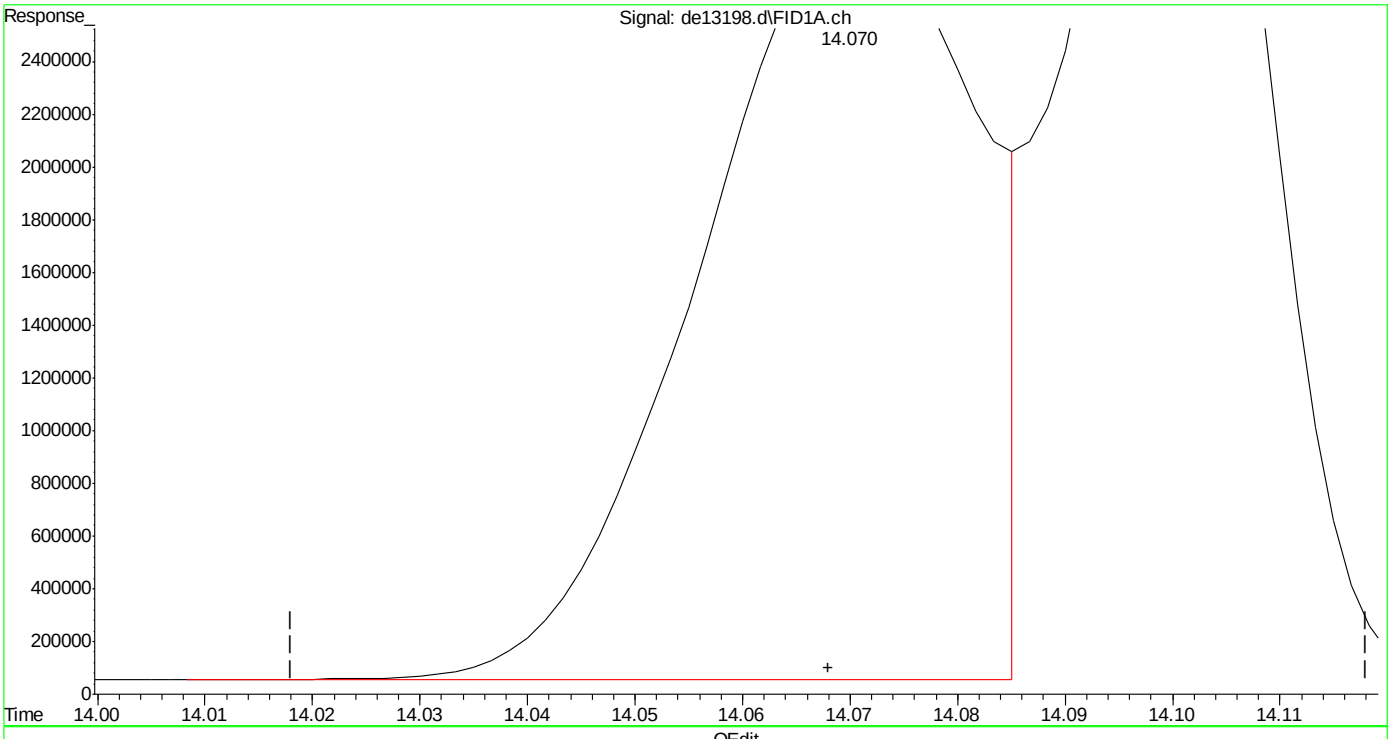
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
14.070min 51.778 µg/ml m
response 5126155

(+) = Expected Retention Time

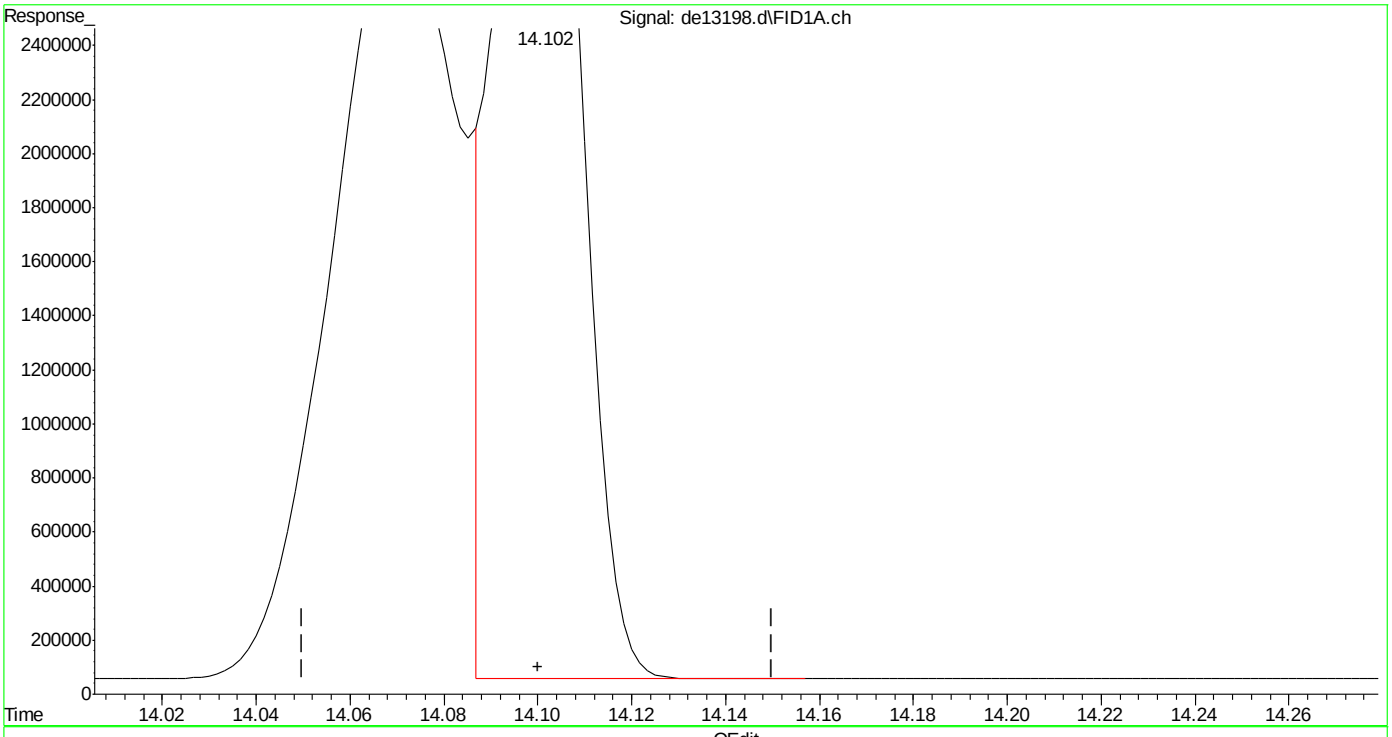
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.102min 48.745 µg/ml
response 4606556

(+) = Expected Retention Time

EPH160204W.M Fri Feb 05 11:47:01 2016

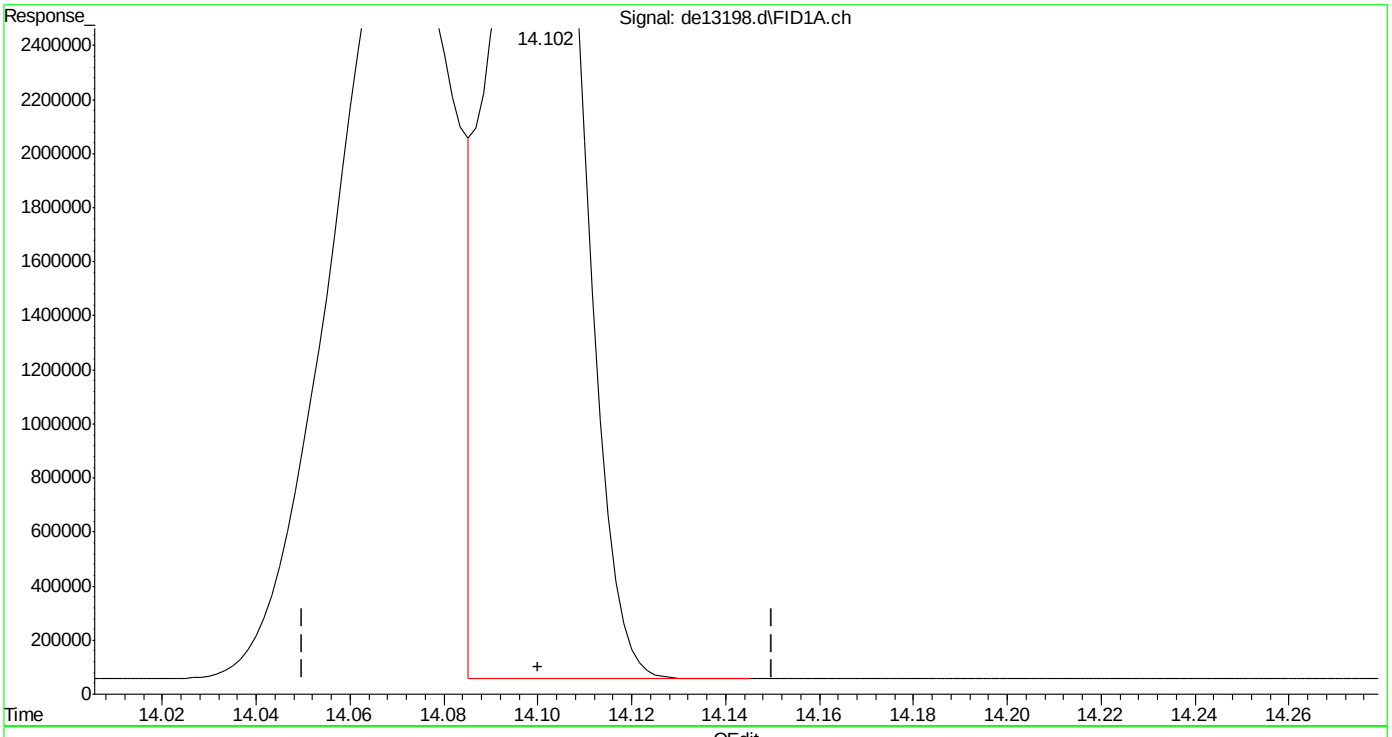
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160204\
Data File : de13198.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 4 Feb 2016 7:21 pm
Operator : thomasa
Sample : icv735-50
Misc : op46227,gde735,1000,,,2,,w
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: Feb 05 11:46:02 2016
Quant Method : C:\msdchem\1\METHODS\EPH160204W.M
Quant Title : BMAEPH-working method
QLast Update : Fri Feb 05 11:44:43 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
14.102min 50.882 µg/ml m
response 4808431

(+) = Expected Retention Time

SGS ACCUTEST MC45857

Manual Integrations APPROVED (compounds with "m" flag)
Andri Piluri
05/18/16 15:44

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:05 am
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:30 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) s	2-fluorobiphenyl	6.605	5018300	54.411 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 272.06%#
6) s	2-bromonaphthalene	7.333	3374225	53.768 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 268.84%#
11) s	o-terphenyl	9.872	5525584	53.947 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 269.74%#
35) s	1-chlorooctadecane	11.227	3374430	59.645 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 298.23%#
	Target Compounds			
2)	naphthalene	5.152	5660291	54.880 µg/ml
3)	2-methylnaphthalene	6.052	5527933	53.941 µg/ml
5)	acenaphthylene	7.167	5522515	54.895 µg/ml
7)	acenaphthene	7.407	5726087	55.391 µg/ml
8)	fluorene	8.052	5544122	54.586 µg/ml
9)	phenanthrene	9.232	5510002	54.145 µg/ml
10)	anthracene	9.290	5285311	54.483 µg/ml
12)	fluoranthene	10.735	5390506	53.937 µg/ml
13)	pyrene	10.993	5523311	54.437 µg/ml
14)	benzo(a)anthracene	12.555	5157747	53.351 µg/mlm
15)	chrysene	12.603	5209964	53.523 µg/mlm
16)	benzo(B)fluoranthene	13.855	5439877	54.947 µg/mlm
17)	benzo(k)fluoranthene	13.883	4931033	52.179 µg/mlm
18)	benzo(a)pyrene	14.187	4924253	53.272 µg/ml
19)	indeno(1,2,3-cd)pyrene	15.328	4992629	52.744 µg/ml
20)	dibenzo(ah)anthracene	15.370	4845433	53.014 µg/ml
21)	benzo(ghi)perylene	15.552	4882182	52.996 µg/ml
25) h	c-9	2.648	4259555	57.661 µg/mlm
26) h	c-10	3.815	4302647	58.245 µg/ml
27)	naphthalene #2	5.488	4600529	57.599 µg/ml
28)	c-12	5.667	4281358	57.956 µg/ml
29)	2-methylnaphthalene #2	6.383	4601796	57.118 µg/ml
30)	c-14	7.183	4273386	57.848 µg/ml
31)	c-16	8.513	4262066	57.695 µg/ml
32)	c-18	9.707	4286305	58.023 µg/ml
33)	c-19	10.262	4257083	63.723 µg/ml
34)	c-20	10.793	4176650	62.519 µg/ml
36)	c-22	11.788	4154291	62.184 µg/ml
37)	c-24	12.705	3883740	58.134 µg/ml
38)	c-26	13.558	4126988	61.775 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:05 am
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:30 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc	Units
39)	c-28	14.352	3975914	59.514	µg/ml
40) h	c-30	15.098	3964659	59.345	µg/ml
41) h	c-36	17.008	3432297	51.377	µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.9

9

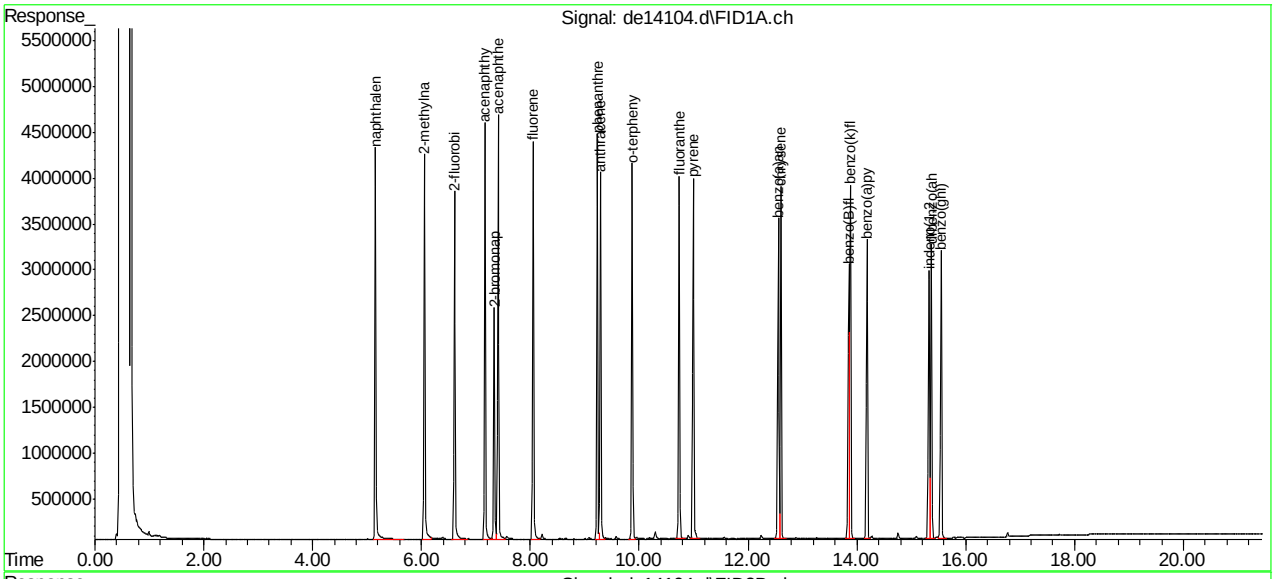
SGS ACCUTEST MC45857

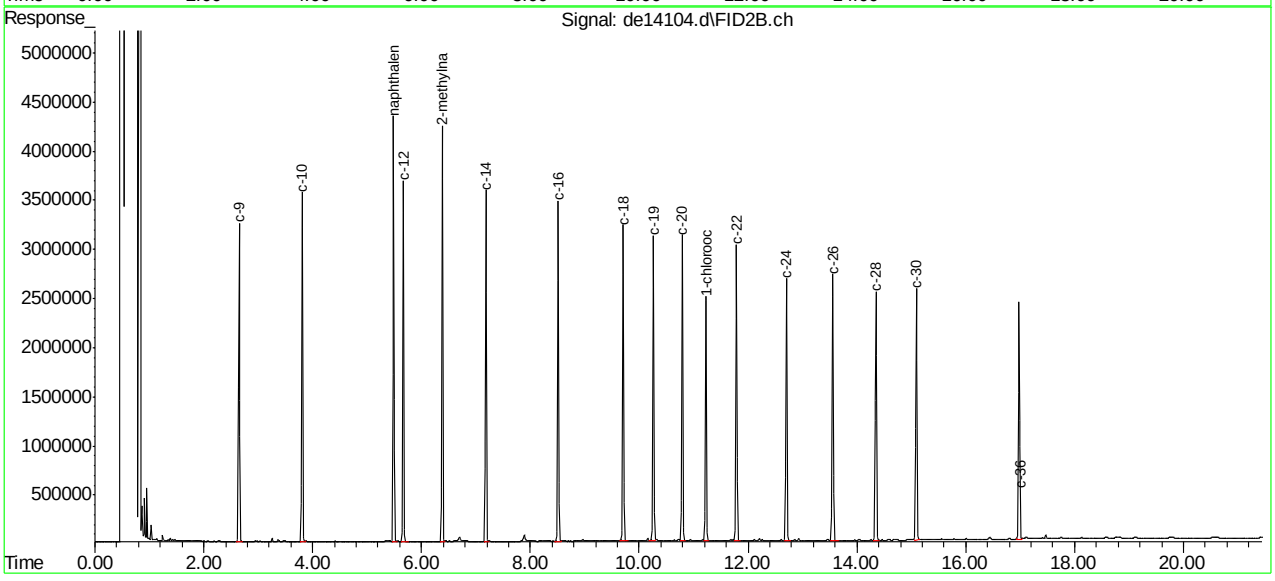
Quantitation Report (QT Reviewed)

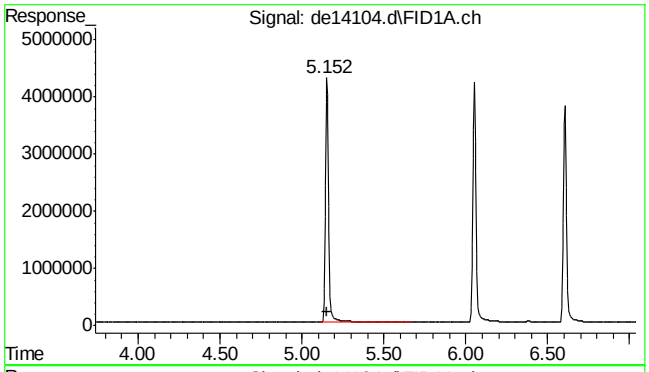
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:05 am
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 10:24:30 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

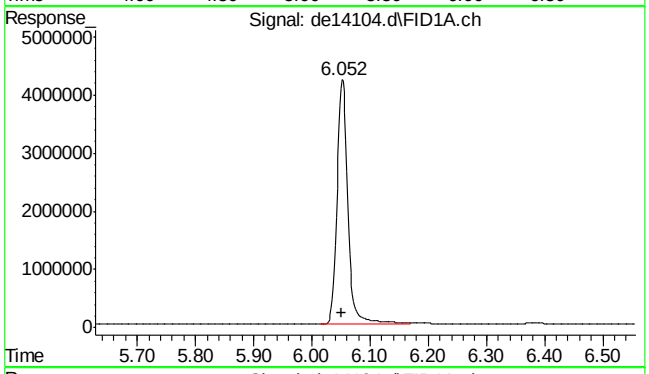






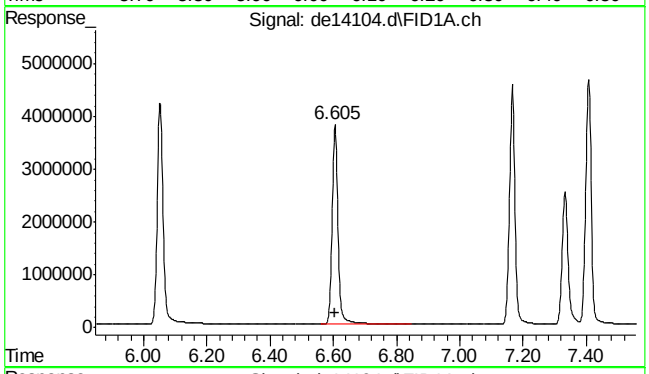
#2 naphthalene

R.T.: 5.152 min
Delta R.T.: 0.000 min
Response: 5660291
Conc: 54.88 µg/ml



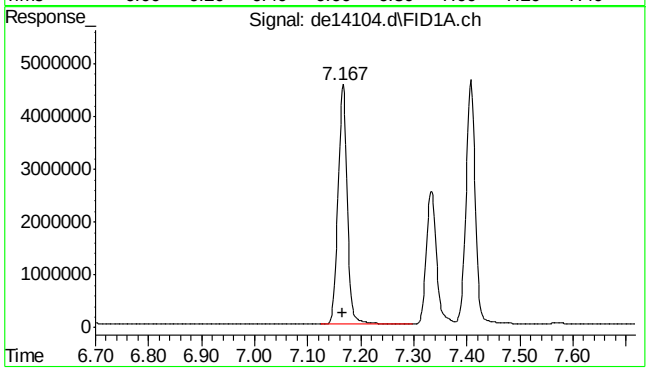
#3 2-methylnaphthalene

R.T.: 6.052 min
Delta R.T.: 0.000 min
Response: 5527933
Conc: 53.94 µg/ml



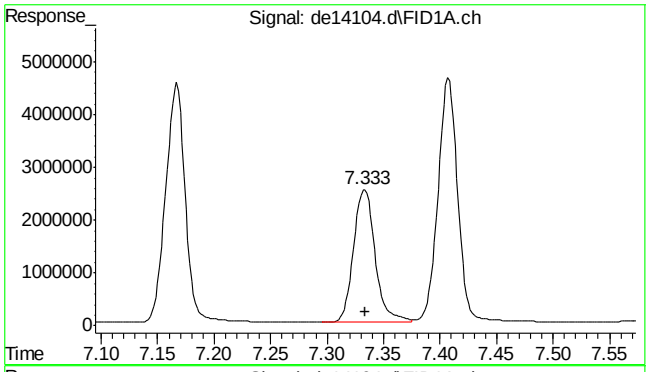
#4 2-fluorobiphenyl

R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 5018300
Conc: 54.41 µg/ml



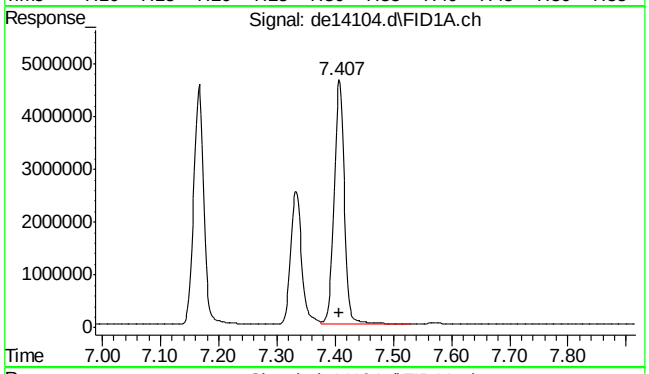
#5 acenaphthylene

R.T.: 7.167 min
Delta R.T.: 0.000 min
Response: 5522515
Conc: 54.89 µg/ml



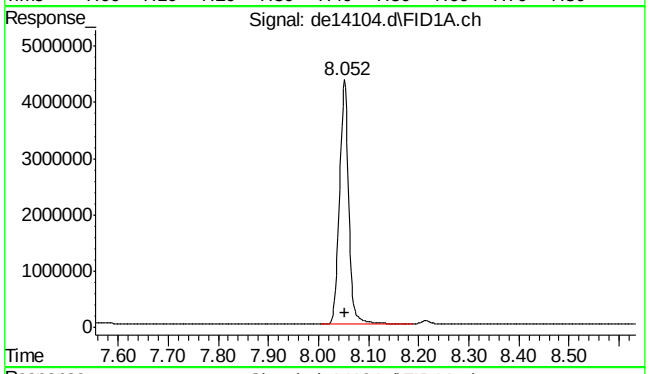
#6 2-bromonaphthalene

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 3374225
Conc: 53.77 µg/ml



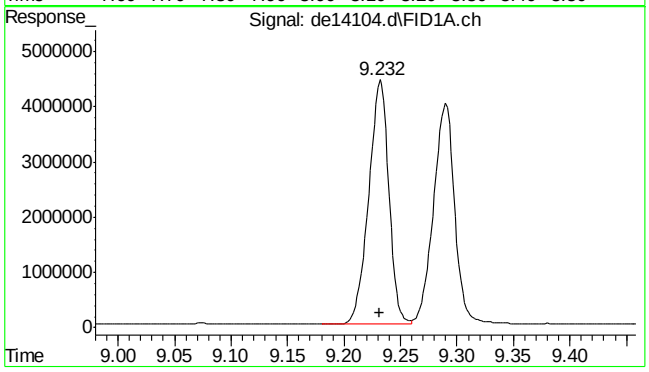
#7 acenaphthene

R.T.: 7.407 min
Delta R.T.: 0.000 min
Response: 5726087
Conc: 55.39 µg/ml



#8 fluorene

R.T.: 8.052 min
Delta R.T.: 0.000 min
Response: 5544122
Conc: 54.59 µg/ml



#9 phenanthrene

R.T.: 9.232 min
Delta R.T.: 0.000 min
Response: 5510002
Conc: 54.15 µg/ml

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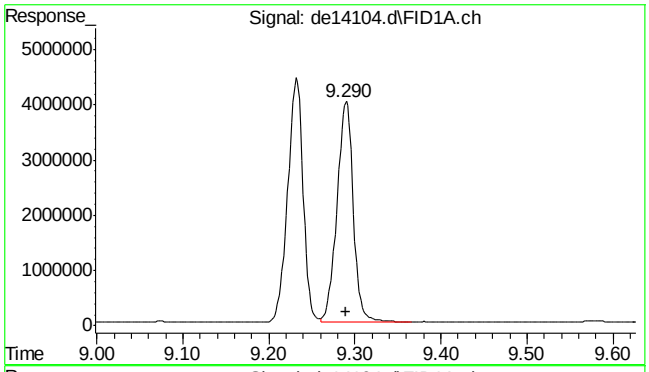
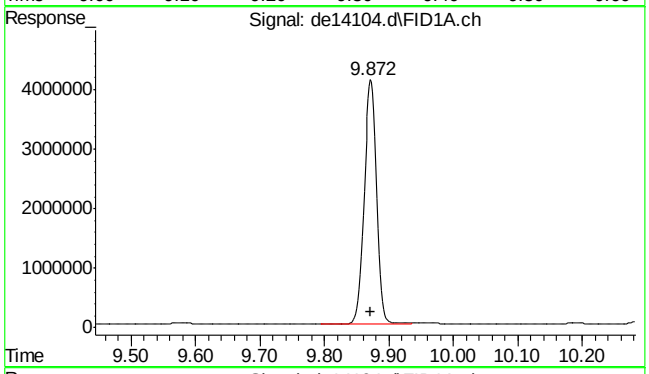


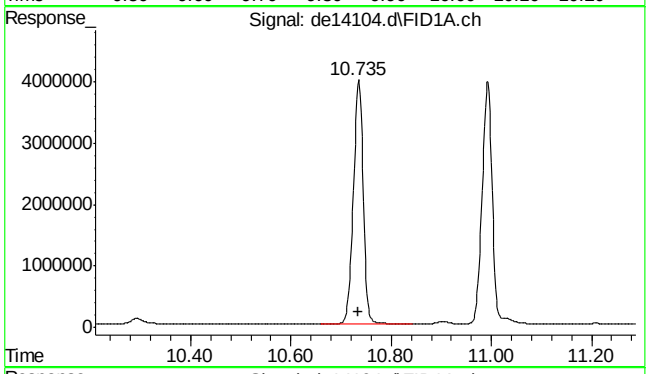
#10 anthracene

R.T.: 9.290 min
Delta R.T.: 0.000 min
Response: 5285311
Conc: 54.48 µg/ml



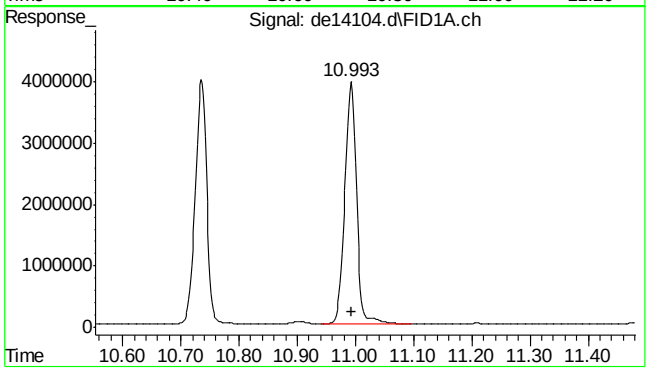
#11 o-terphenyl

R.T.: 9.872 min
Delta R.T.: 0.000 min
Response: 5525584
Conc: 53.95 µg/ml



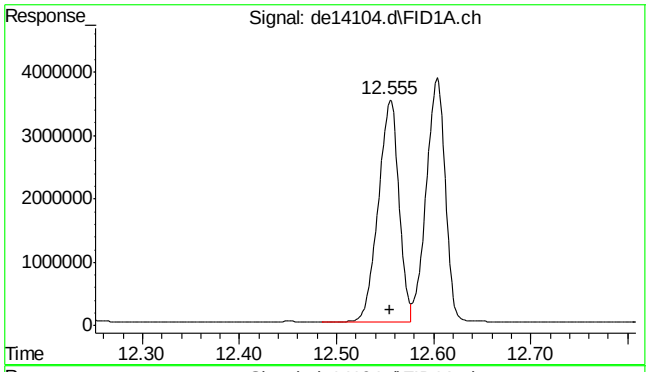
#12 fluoranthene

R.T.: 10.735 min
Delta R.T.: 0.000 min
Response: 5390506
Conc: 53.94 µg/ml



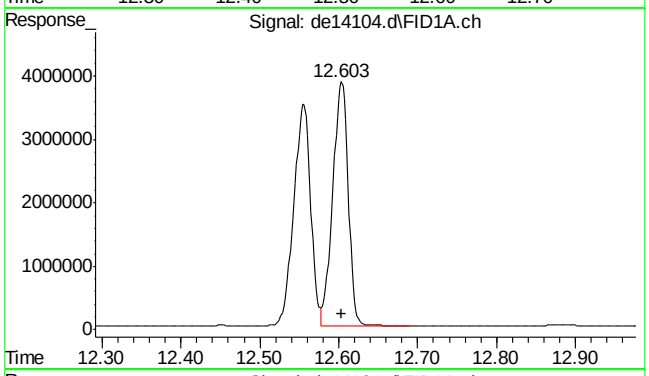
#13 pyrene

R.T.: 10.993 min
Delta R.T.: 0.000 min
Response: 5523311
Conc: 54.44 µg/ml



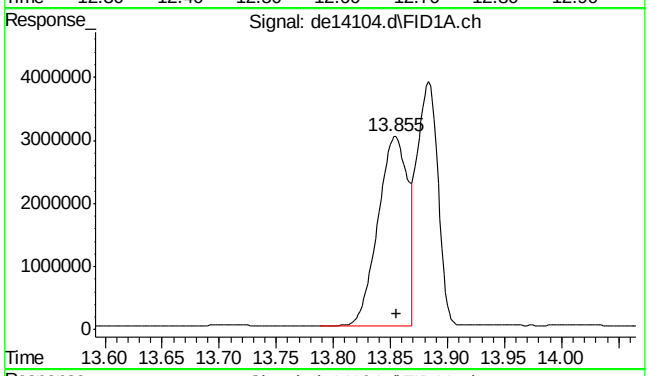
#14 benzo(a)anthracene

R.T.: 12.555 min
Delta R.T.: 0.000 min
Response: 5157747
Conc: 53.35 µg/ml m



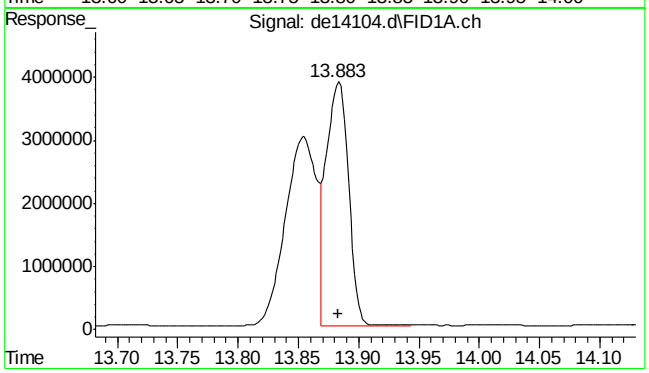
#15 chrysene

R.T.: 12.603 min
Delta R.T.: 0.000 min
Response: 5209964
Conc: 53.52 µg/ml m



#16 benzo(B)fluoranthene

R.T.: 13.855 min
Delta R.T.: 0.000 min
Response: 5439877
Conc: 54.95 µg/ml m



#17 benzo(k)fluoranthene

R.T.: 13.883 min
Delta R.T.: 0.000 min
Response: 4931033
Conc: 52.18 µg/ml m

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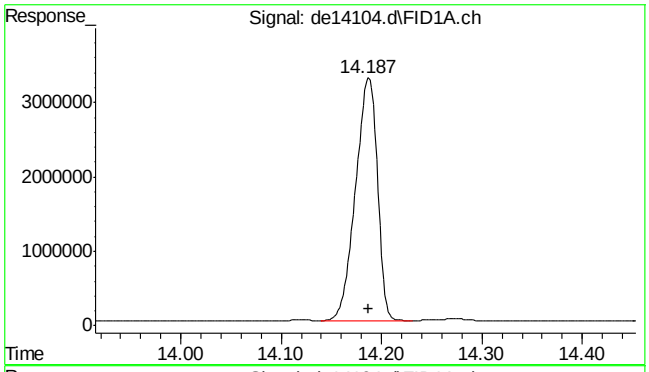
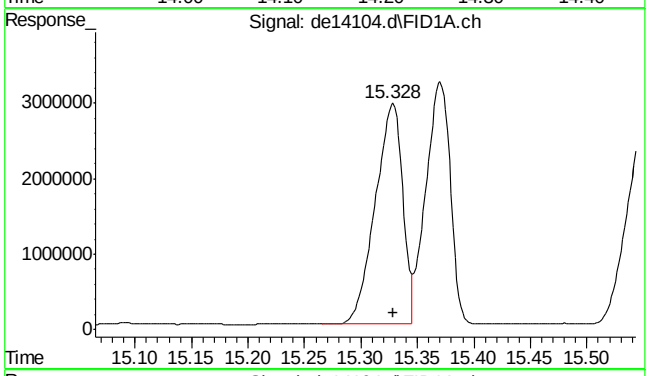


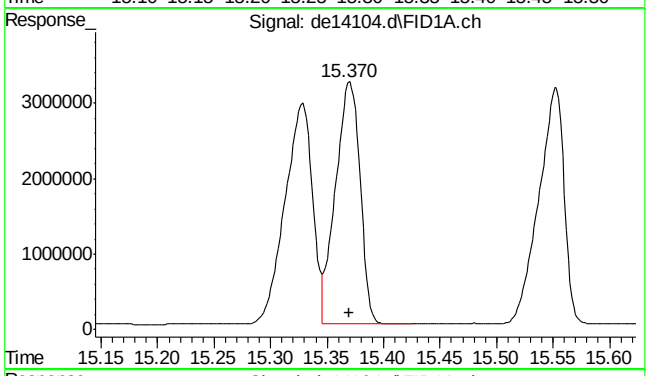
#18 benzo(a)pyrene

R.T.: 14.187 min
Delta R.T.: 0.000 min
Response: 4924253
Conc: 53.27 µg/ml



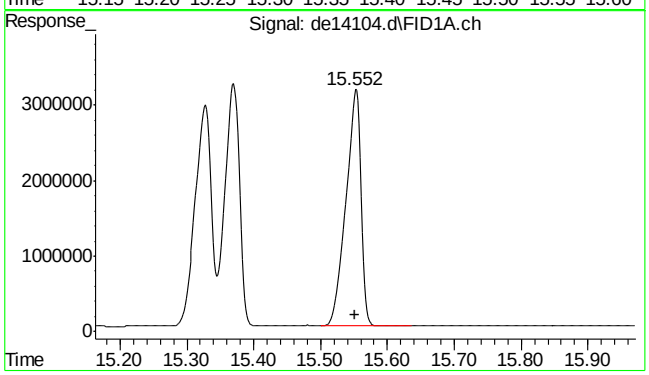
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.328 min
Delta R.T.: 0.000 min
Response: 4992629
Conc: 52.74 µg/ml



#20 dibenzo(ah)anthracene

R.T.: 15.370 min
Delta R.T.: 0.000 min
Response: 4845433
Conc: 53.01 µg/ml



#21 benzo(ghi)perylene

R.T.: 15.552 min
Delta R.T.: 0.000 min
Response: 4882182
Conc: 53.00 µg/ml

9.4.9

9

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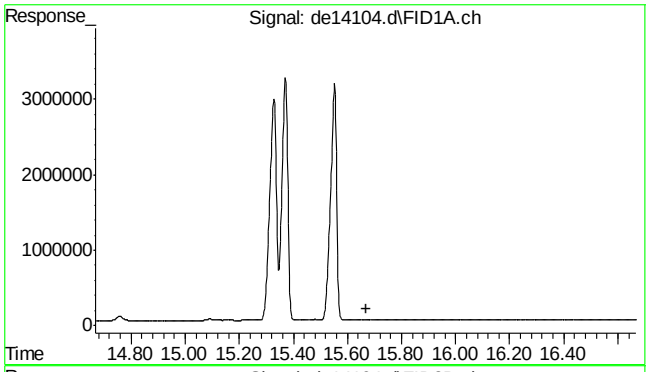
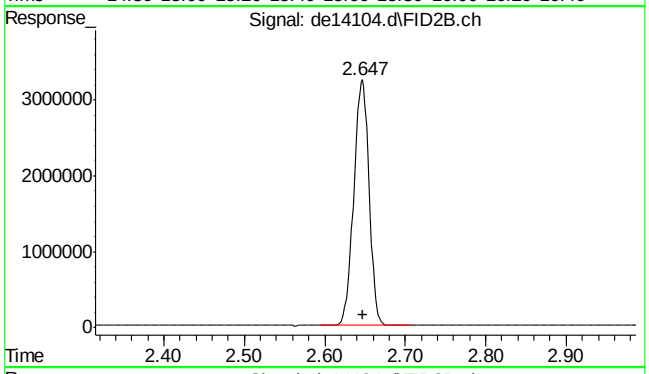


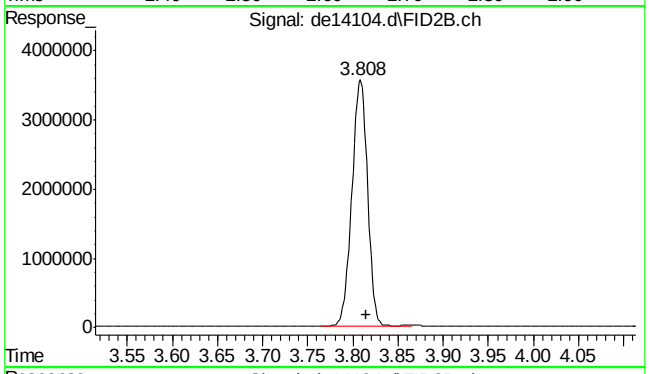
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



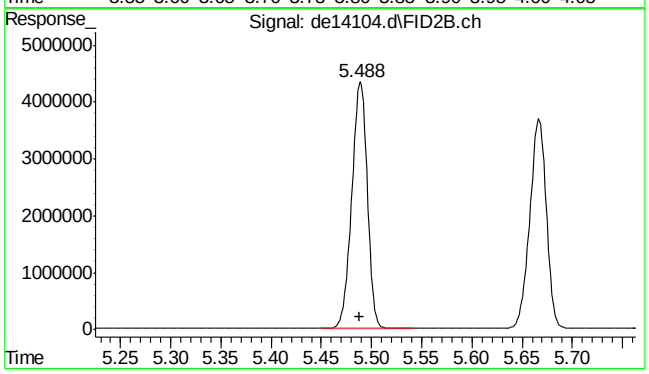
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 4259555
Conc: 57.66 µg/ml m



#26 c-10

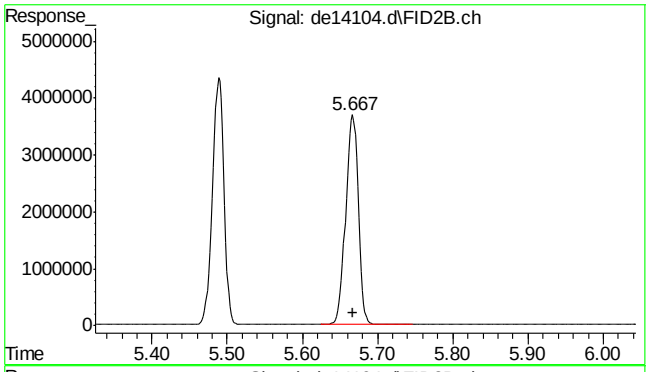
R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 4302647
Conc: 58.24 µg/ml



#27 naphthalene #2

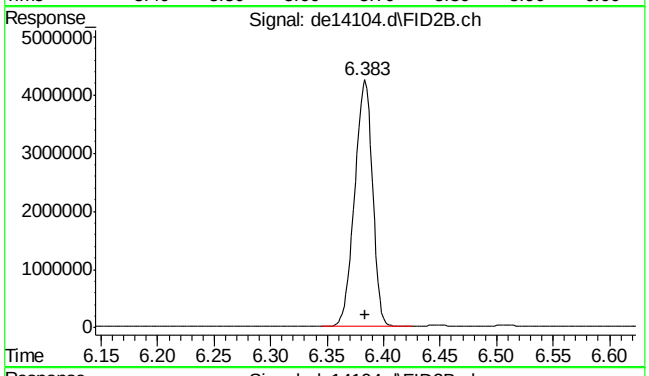
R.T.: 5.488 min
Delta R.T.: 0.000 min
Response: 4600529
Conc: 57.60 µg/ml

SGS ACCUTEST MC45857



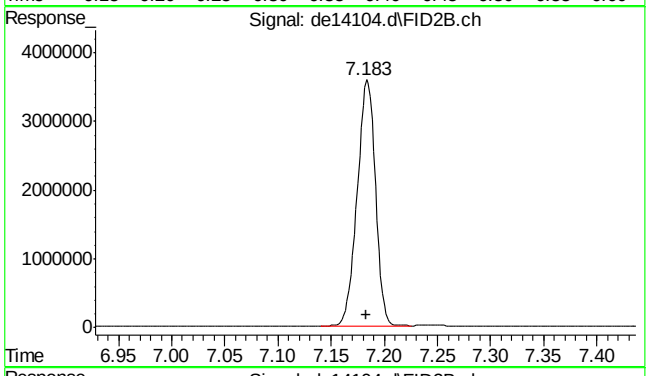
#28 c-12

R.T.: 5.667 min
Delta R.T.: 0.000 min
Response: 4281358
Conc: 57.96 µg/ml



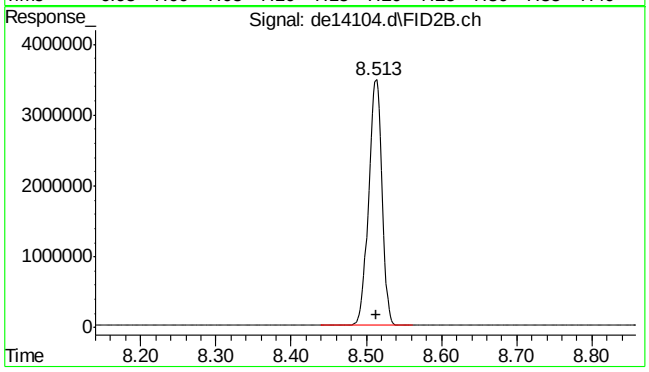
#29 2-methylnaphthalene #2

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 4601796
Conc: 57.12 µg/ml



#30 c-14

R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 4273386
Conc: 57.85 µg/ml



#31 c-16

R.T.: 8.513 min
Delta R.T.: 0.000 min
Response: 4262066
Conc: 57.70 µg/ml

9.4.9

9

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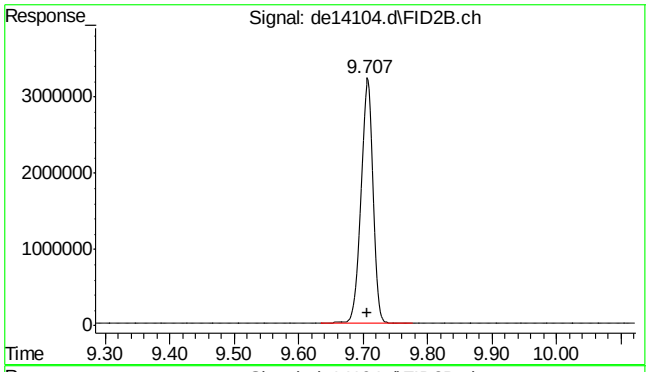
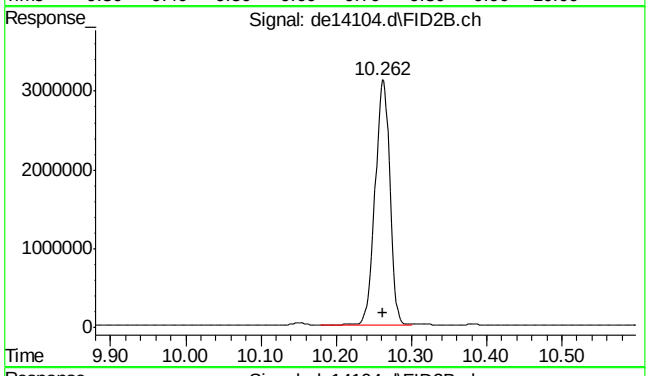


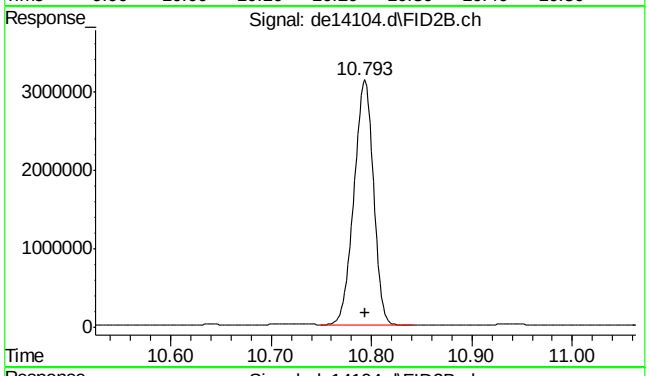
#32 c-18

R.T.: 9.707 min
Delta R.T.: 0.000 min
Response: 4286305
Conc: 58.02 µg/ml



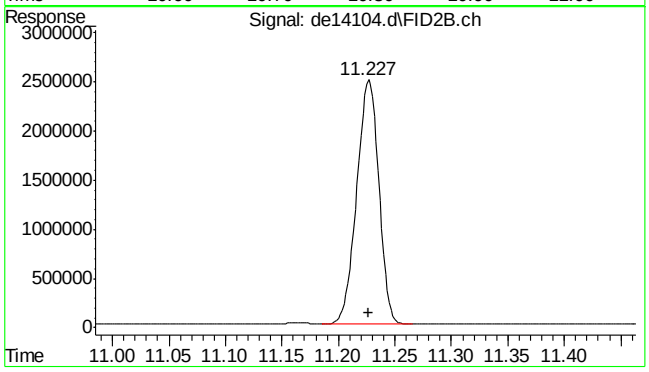
#33 c-19

R.T.: 10.262 min
Delta R.T.: 0.000 min
Response: 4257083
Conc: 63.72 µg/ml



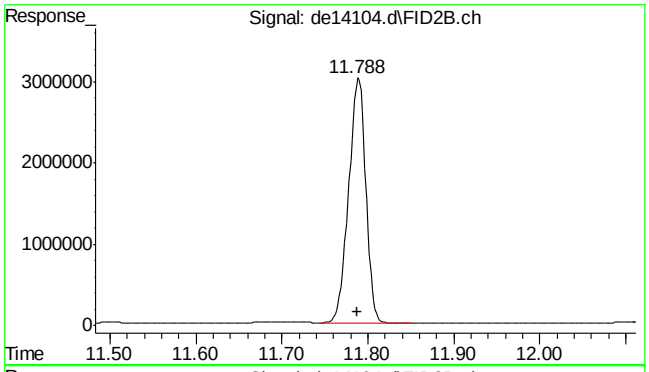
#34 c-20

R.T.: 10.793 min
Delta R.T.: 0.000 min
Response: 4176650
Conc: 62.52 µg/ml



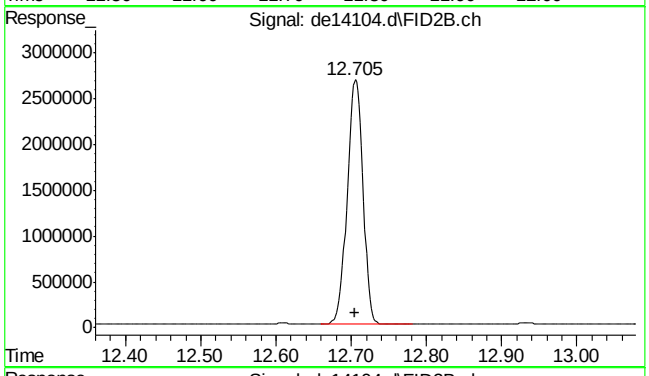
#35 1-chlorooctadecane

R.T.: 11.227 min
Delta R.T.: 0.000 min
Response: 3374430
Conc: 59.65 µg/ml



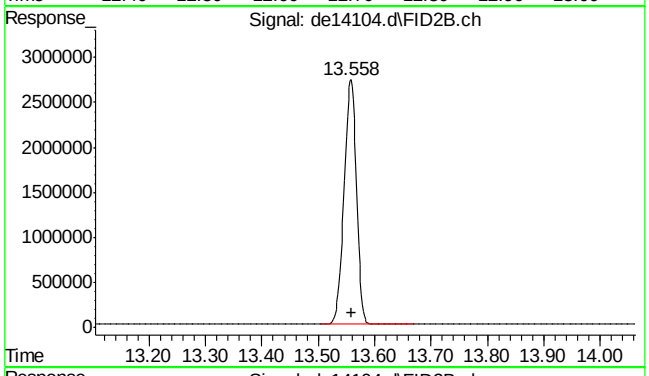
#36 c-22

R.T.: 11.788 min
Delta R.T.: 0.000 min
Response: 4154291
Conc: 62.18 µg/ml



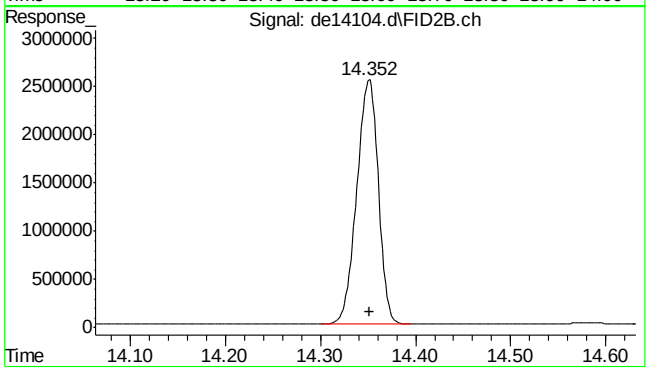
#37 c-24

R.T.: 12.705 min
Delta R.T.: 0.000 min
Response: 3883740
Conc: 58.13 µg/ml



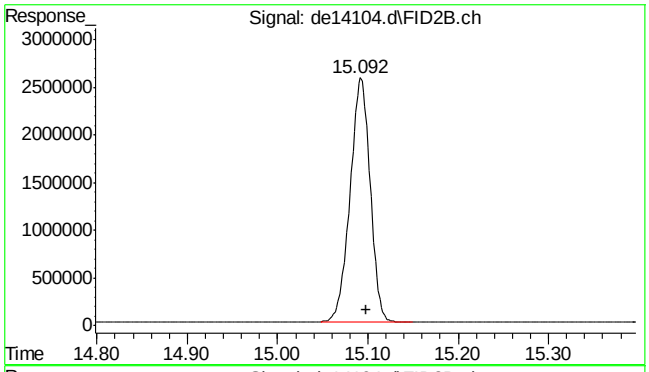
#38 c-26

R.T.: 13.558 min
Delta R.T.: 0.000 min
Response: 4126988
Conc: 61.78 µg/ml



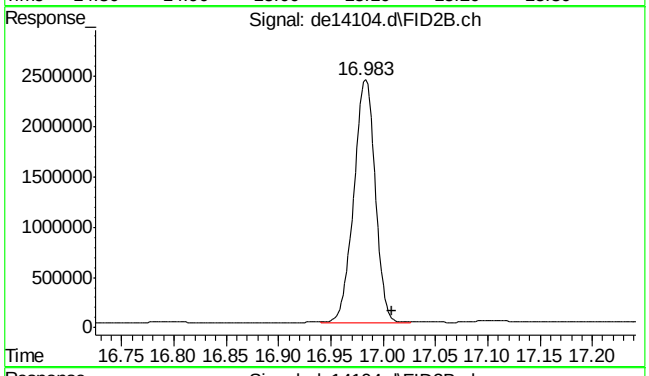
#39 c-28

R.T.: 14.352 min
Delta R.T.: 0.000 min
Response: 3975914
Conc: 59.51 µg/ml



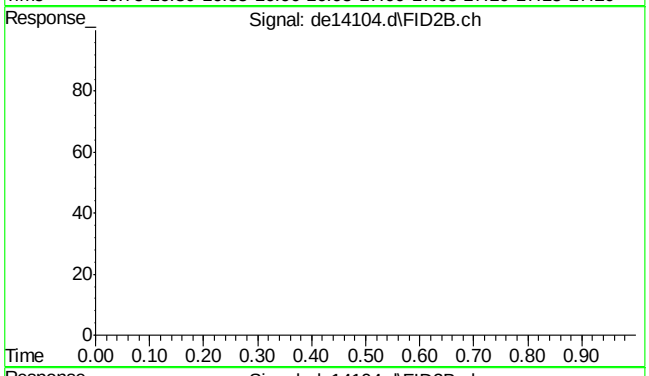
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 3964659
Conc: 59.35 µg/ml



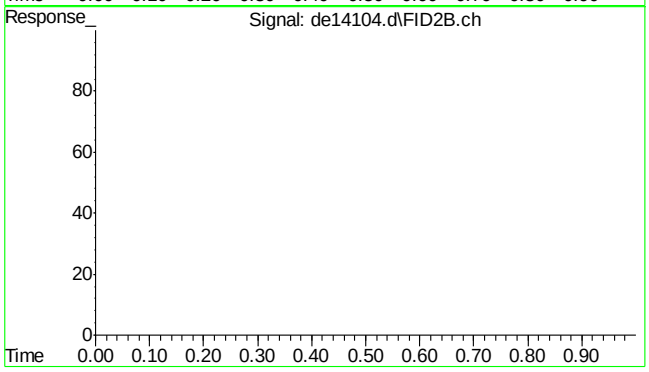
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 3432297
Conc: 51.38 µg/ml m



#42 bht

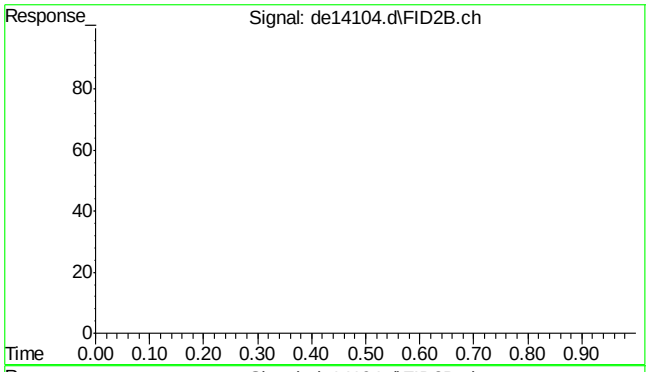
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#43 bht

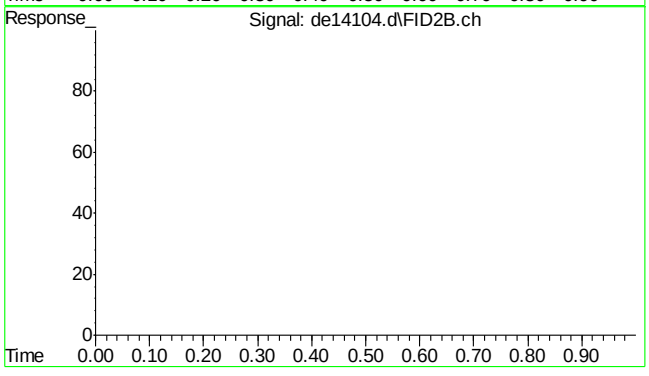
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

SGS ACCUTEST MC45857



#44 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#45 bht

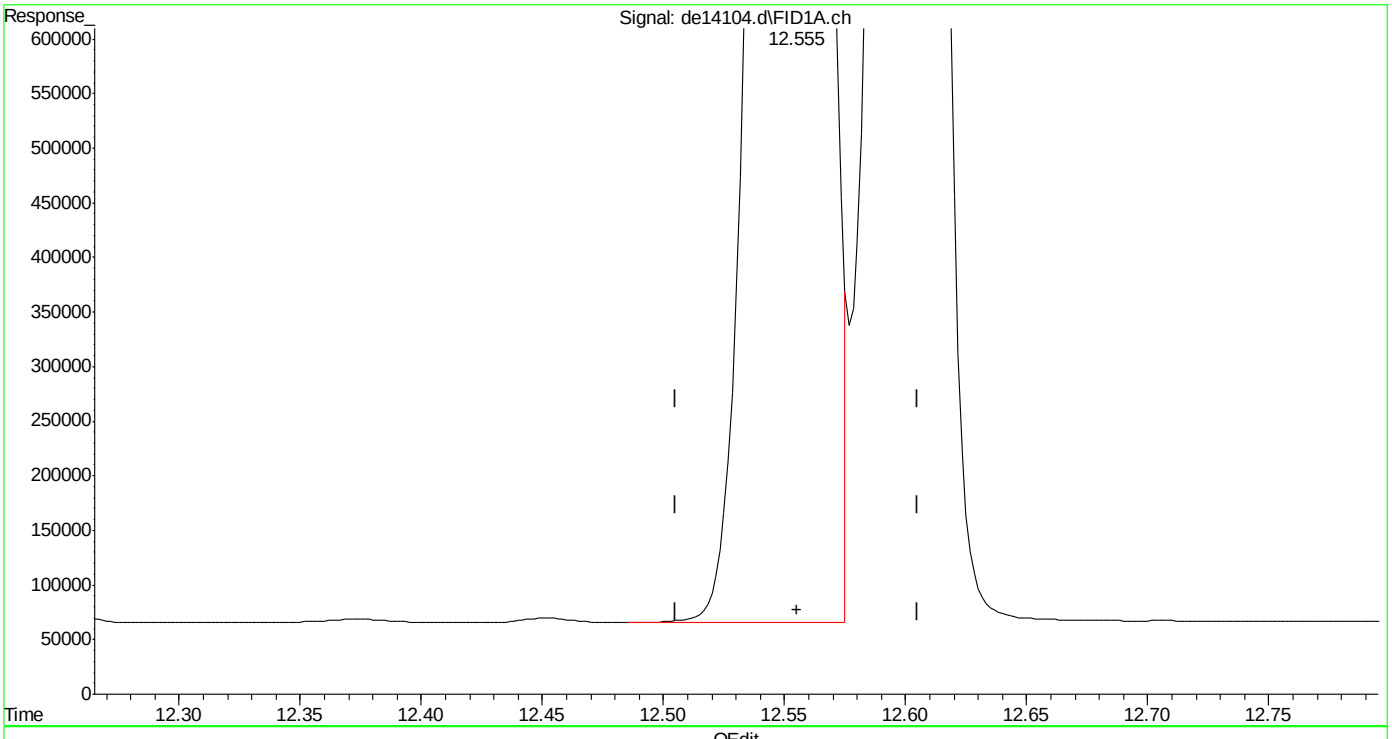
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:05 am
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 09:30:19 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.555min 53.069 µg/ml
response 5130441

(+) = Expected Retention Time
EPH160518W.M Wed May 18 10:22:39 2016

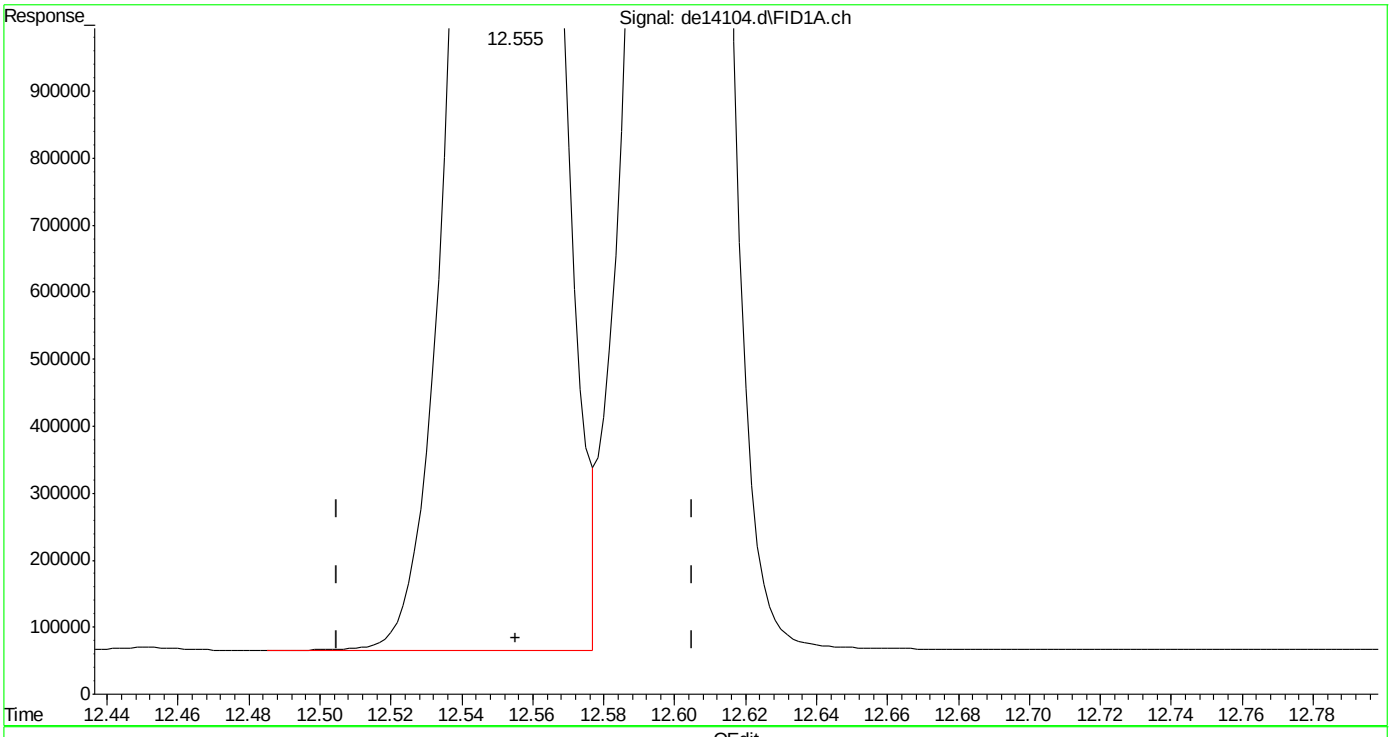
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:05 am
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 09:30:19 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(14) benzo(a)anthracene
12.555min 53.351 µg/ml m
response 5157747

(+) = Expected Retention Time
EPH160518W.M Wed May 18 10:22:58 2016

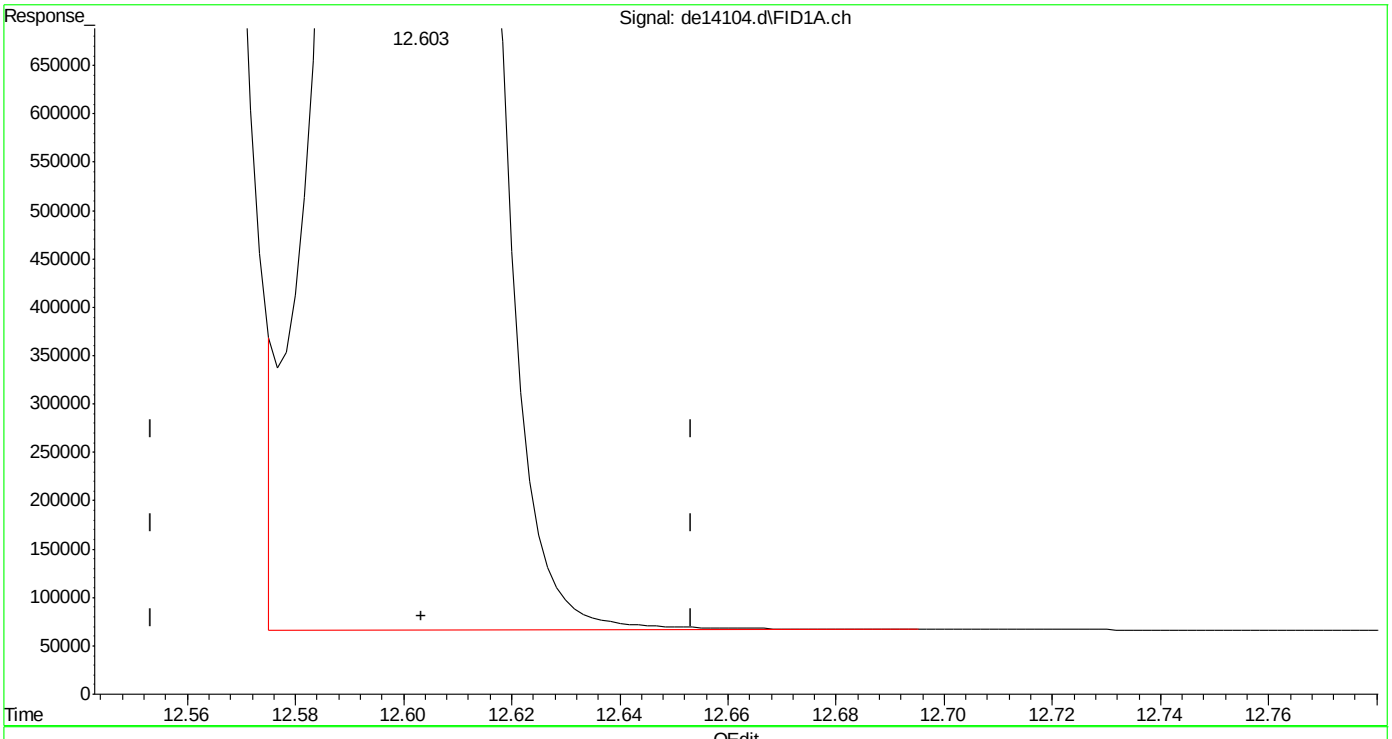
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:05 am
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 09:30:19 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.603min 53.690 µg/ml
response 5226192

(+) = Expected Retention Time

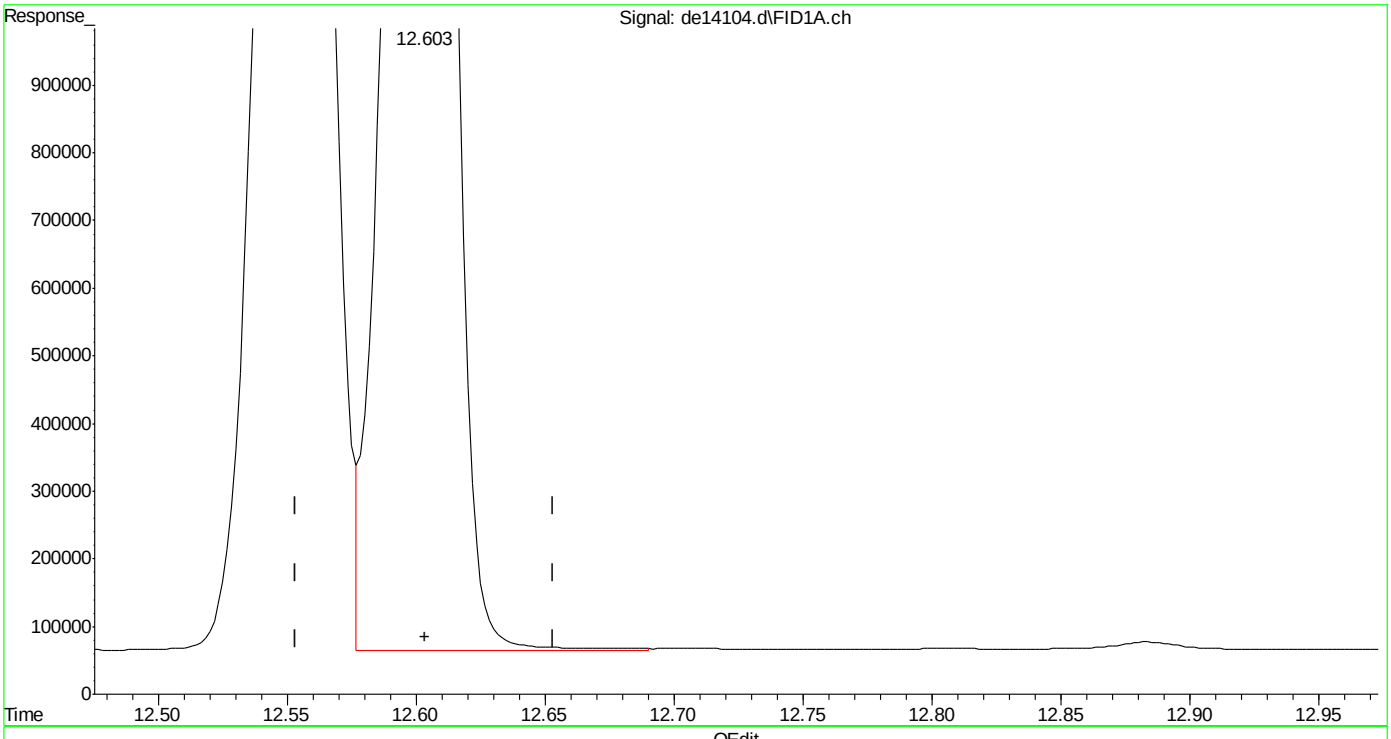
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:05 am
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 09:30:19 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(15) chrysene
12.603min 53.523 µg/ml m
response 5209964

(+) = Expected Retention Time
EPH160518W.M Wed May 18 10:23:21 2016

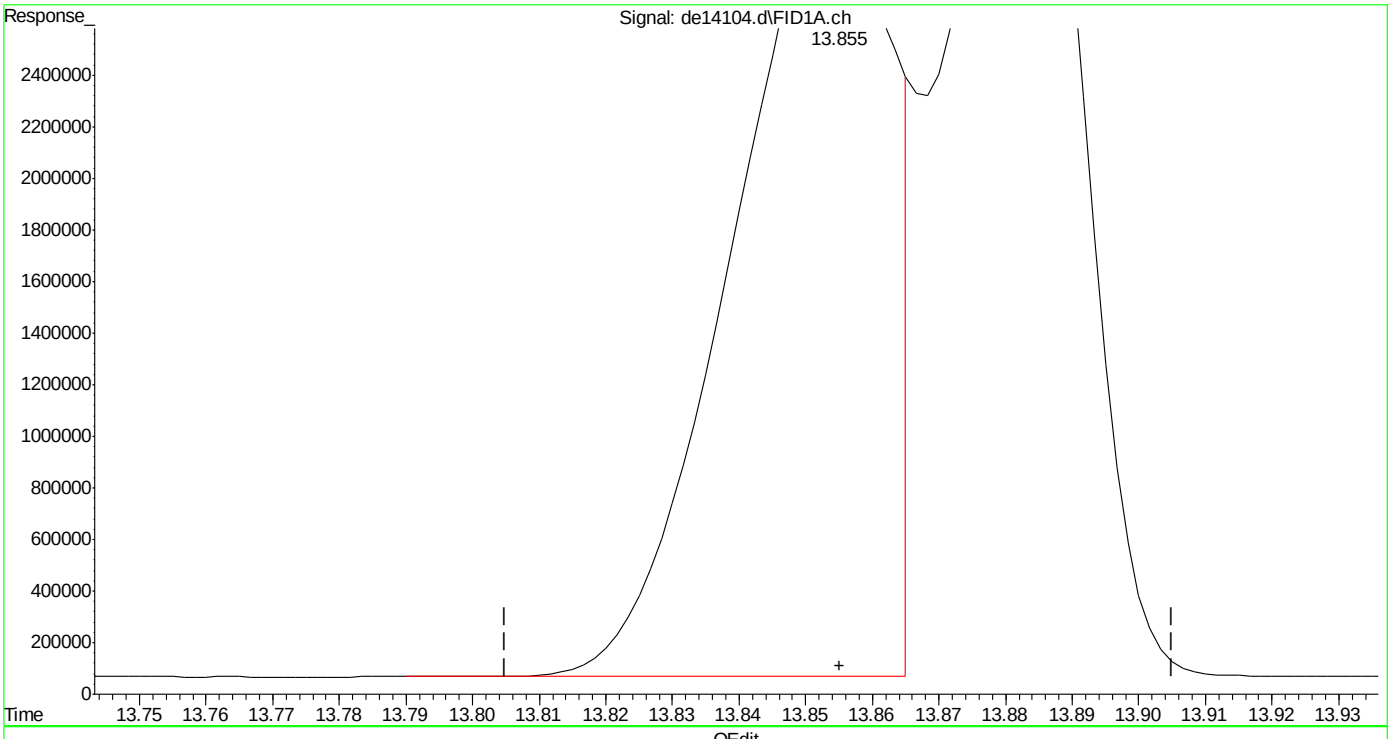
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    : 18 May 2016   9:05 am
Operator  : thomasa
Sample    : cc735-50,gde792
Misc      : op47424,gde792,11.00,,,2,,s
ALS Vial  : 142   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 09:30:19 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title  : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(16) benzo(B)fluoranthene

13.855min 50.383 µg/ml

response 4988072

(+) = Expected Retention Time

EPH160518W.M Wed May 18 10:23:25 2016

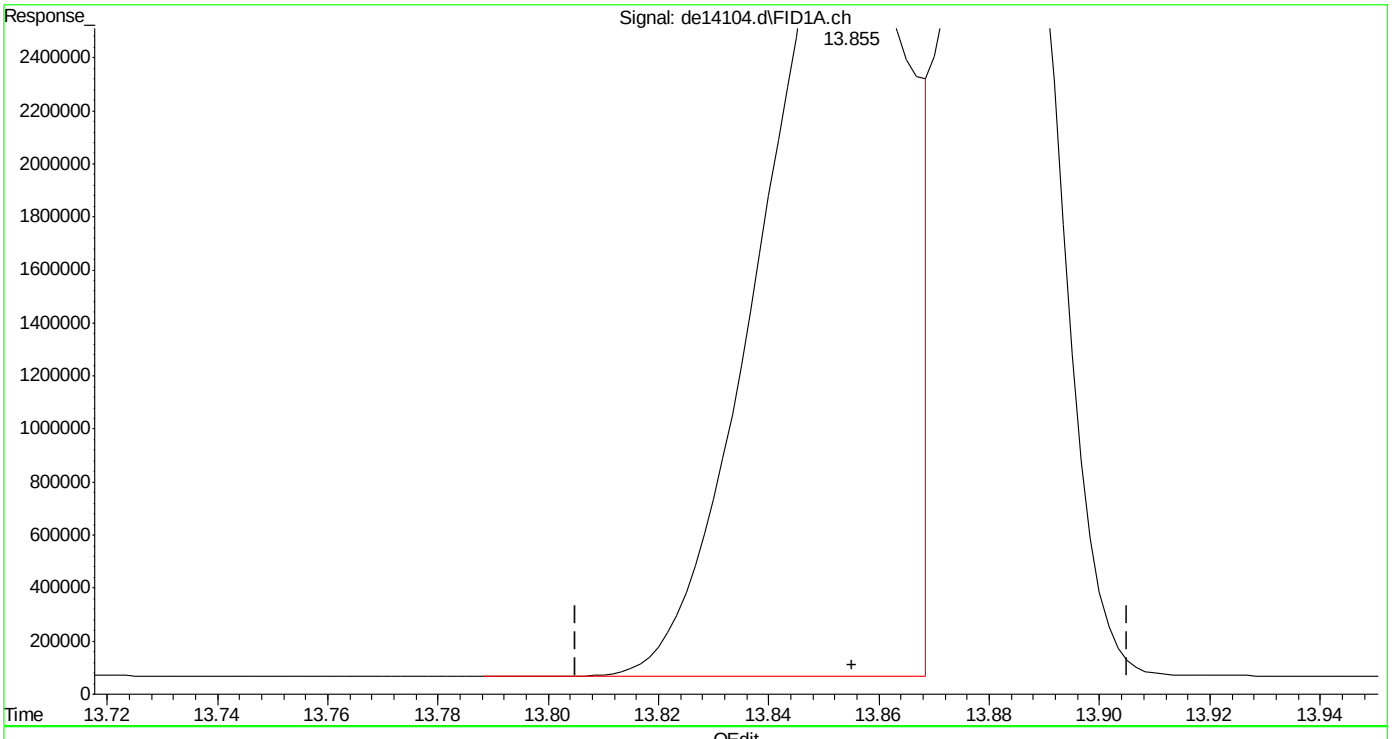
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch  Signal #2: FID2B.ch
Acq On    : 18 May 2016   9:05 am
Operator  : thomasa
Sample    : cc735-50,gde792
Misc      : op47424,gde792,11.00,,,2,,s
ALS Vial  : 142   Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 09:30:19 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title  : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



(16) benzo(B)fluoranthene

13.855min 54.947 µg/ml m

response 5439877

(+) = Expected Retention Time

EPH160518W.M Wed May 18 10:23:44 2016

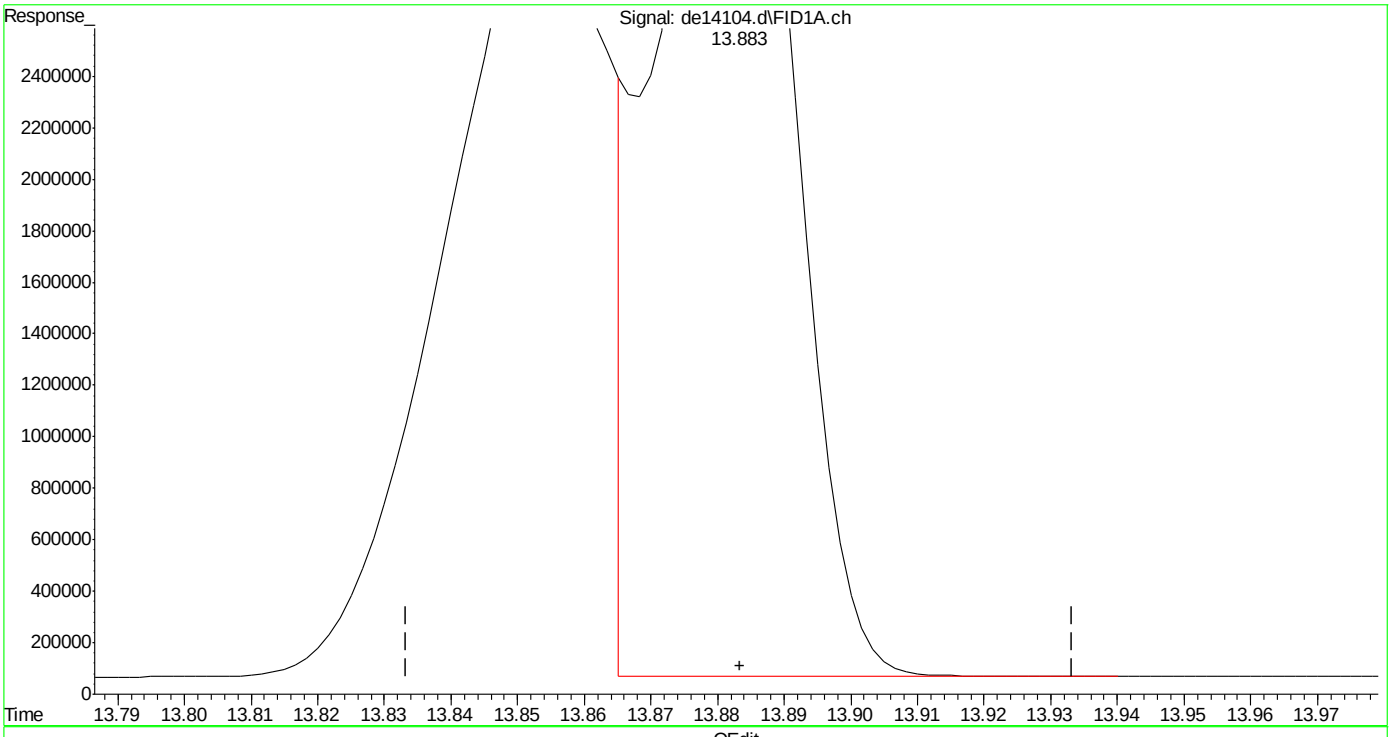
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:05 am
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 09:30:19 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
13.883min 56.886 µg/ml
response 5375872

(+) = Expected Retention Time
EPH160518W.M Wed May 18 10:23:48 2016

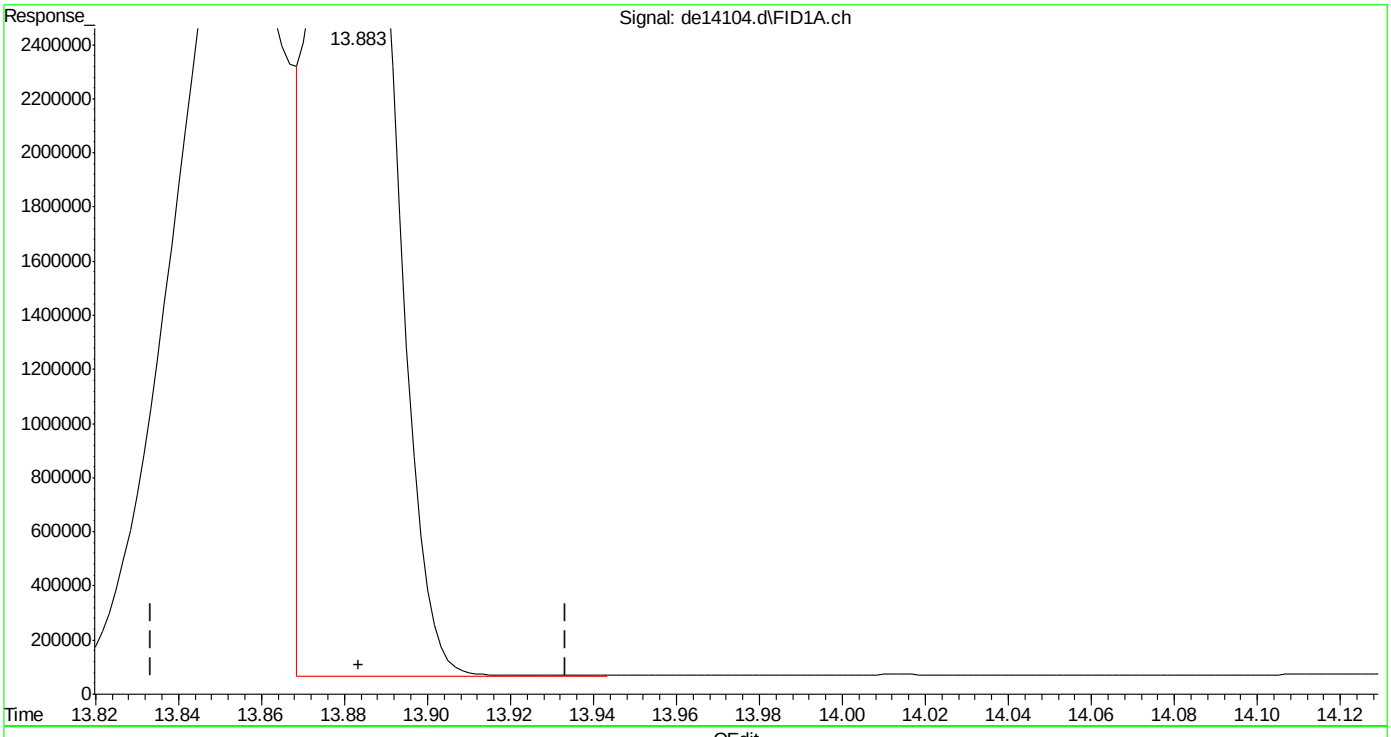
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14104.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 9:05 am
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 09:30:19 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
13.883min 52.179 µg/ml m
response 4931033

(+) = Expected Retention Time

SGS ACCUTEST MC45857

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 2:22 pm
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 14:50:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) s	2-fluorobiphenyl	6.605	5194652	56.323 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 281.62%#
6) s	2-bromonaphthalene	7.333	3491653	55.640 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 278.20%#
11) s	o-terphenyl	9.873	5688366	55.536 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 277.68%#
35) s	1-chlorooctadecane	11.227	3060163	54.091 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 270.46%#
	Target Compounds			
2)	naphthalene	5.152	5842404	56.645 µg/ml
3)	2-methylnaphthalene	6.053	5712560	55.742 µg/ml
5)	acenaphthylene	7.167	5710366	56.762 µg/ml
7)	acenaphthene	7.408	5922904	57.295 µg/ml
8)	fluorene	8.052	5732272	56.438 µg/ml
9)	phenanthrene	9.232	5684030	55.856 µg/ml
10)	anthracene	9.290	5438127	56.059 µg/ml
12)	fluoranthene	10.737	5535115	55.384 µg/ml
13)	pyrene	10.993	5669280	55.876 µg/ml
14)	benzo(a)anthracene	12.555	5268850	54.501 µg/ml
15)	chrysene	12.605	5338404	54.842 µg/ml
16)	benzo(B)fluoranthene	13.853	5299227	53.526 µg/ml
17)	benzo(k)fluoranthene	13.883	5324953	56.347 µg/ml
18)	benzo(a)pyrene	14.188	5055035	54.687 µg/ml
19)	indeno(1,2,3-cd)pyrene	15.330	5133385	54.231 µg/ml
20)	dibenzo(ah)anthracene	15.373	5033351	55.070 µg/ml
21)	benzo(ghi)perylene	15.555	5042459	54.736 µg/ml
25) h	c-9	2.648	4000760	54.158 µg/mlm
26) h	c-10	3.815	4038635	54.671 µg/ml
27)	naphthalene #2	5.488	4302131	53.863 µg/ml
28)	c-12	5.667	4001673	54.170 µg/ml
29)	2-methylnaphthalene #2	6.383	4289263	53.239 µg/ml
30)	c-14	7.183	3967509	53.708 µg/ml
31)	c-16	8.513	3922983	53.105 µg/ml
32)	c-18	9.707	3910636	52.938 µg/ml
33)	c-19	10.262	3872967	57.973 µg/ml
34)	c-20	10.793	3793134	56.778 µg/ml
36)	c-22	11.788	3749208	56.120 µg/ml
37)	c-24	12.705	3482985	52.135 µg/ml
38)	c-26	13.557	3680147	55.087 µg/ml

SGS ACCUTEST MC45857

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 2:22 pm
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 14:50:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
39)	c-28	14.350	3533056	52.885 µg/ml
40) h	c-30	15.098	3512451	52.577 µg/ml
41) h	c-36	17.008	3124612	46.771 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.10

9

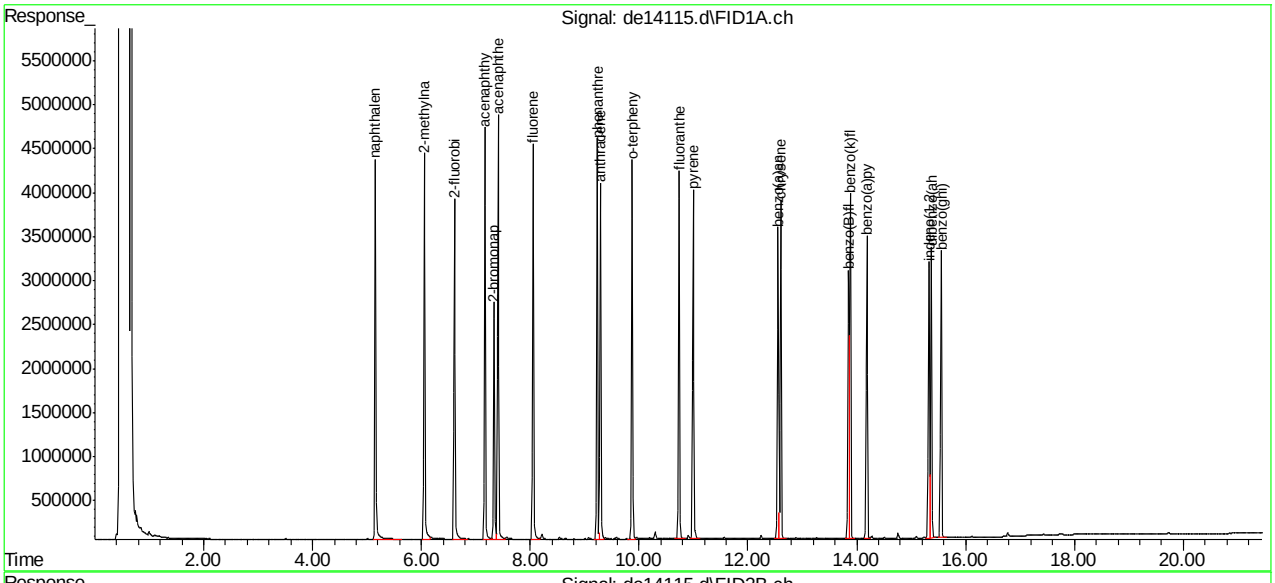
SGS ACCUTEST MC45857

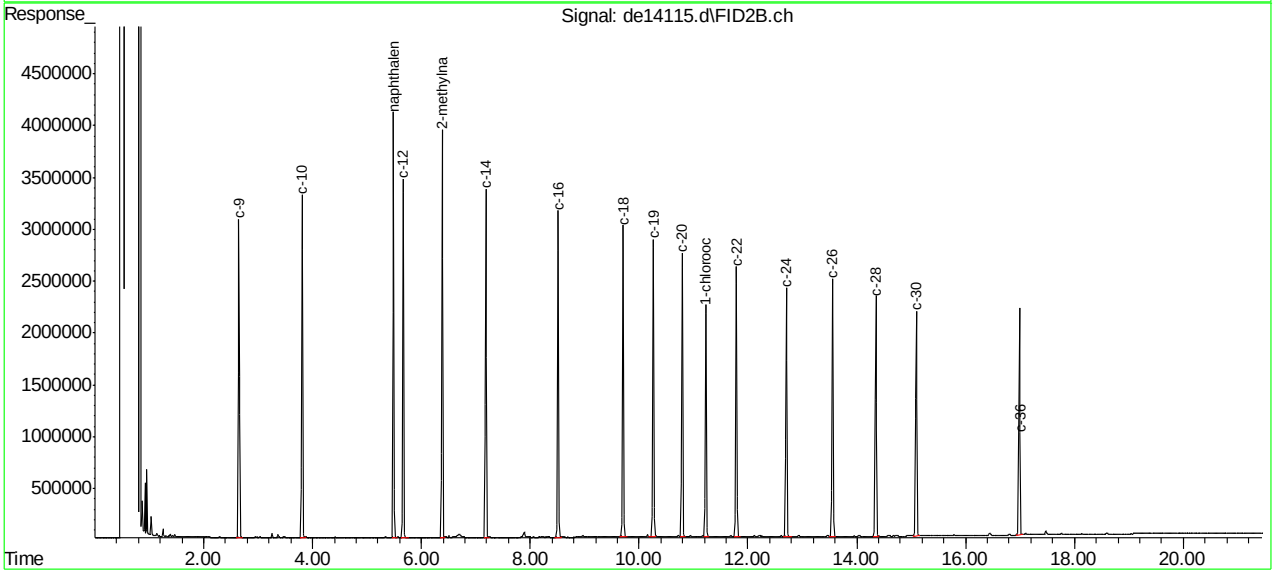
Quantitation Report (QT Reviewed)

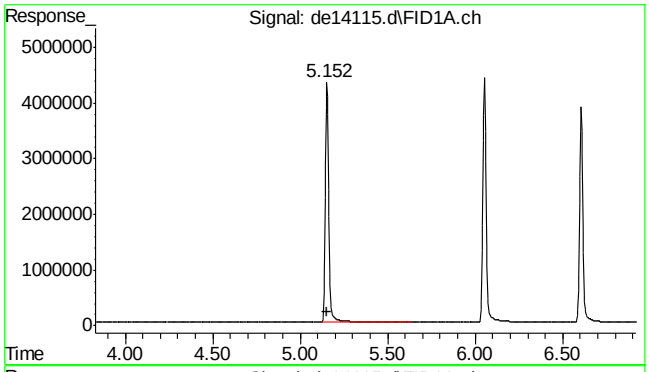
Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14115.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 2:22 pm
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 18 14:50:45 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

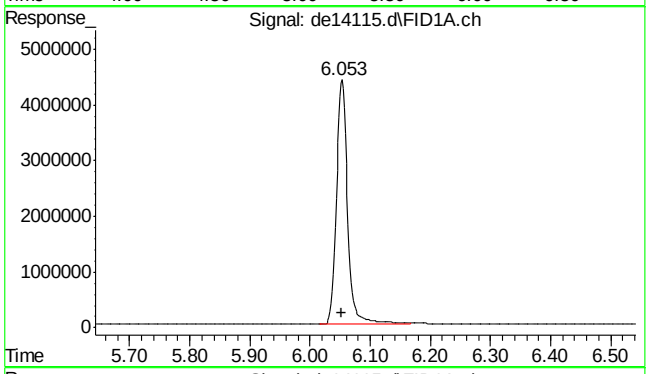






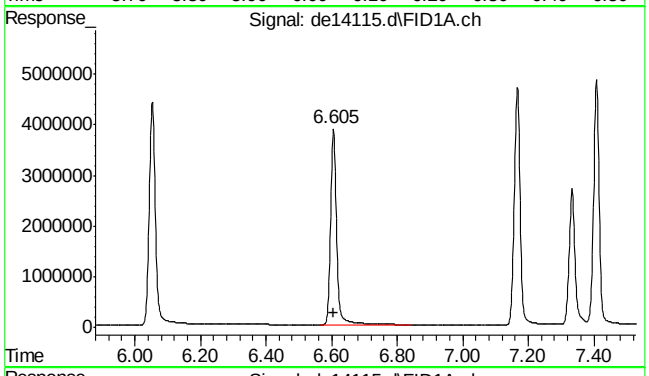
#2 naphthalene

R.T.: 5.152 min
Delta R.T.: 0.000 min
Response: 5842404
Conc: 56.65 µg/ml



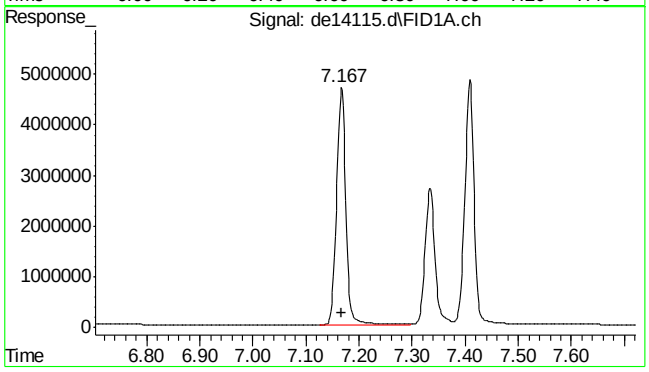
#3 2-methylnaphthalene

R.T.: 6.053 min
Delta R.T.: 0.002 min
Response: 5712560
Conc: 55.74 µg/ml



#4 2-fluorobiphenyl

R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 5194652
Conc: 56.32 µg/ml



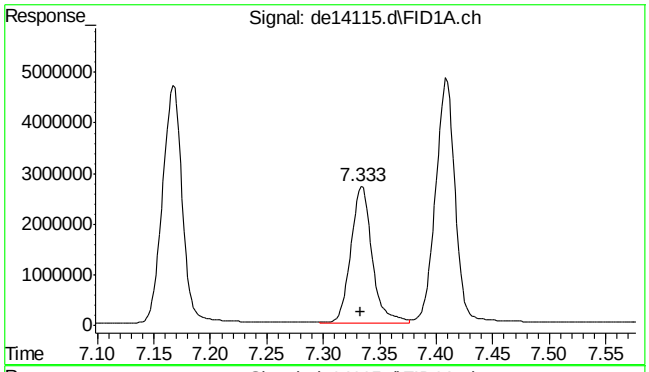
#5 acenaphthylene

R.T.: 7.167 min
Delta R.T.: 0.000 min
Response: 5710366
Conc: 56.76 µg/ml

9.4.10

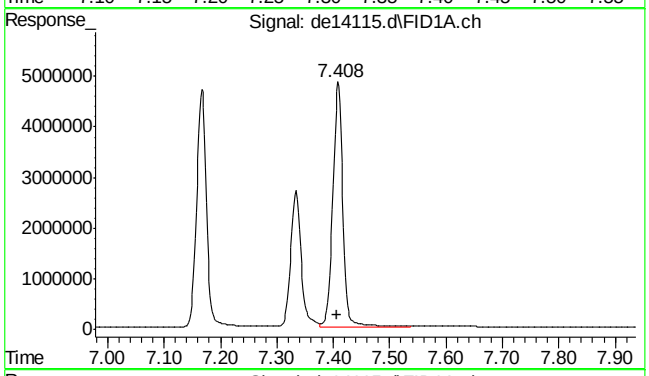
9

SGS ACCUTEST MC45857



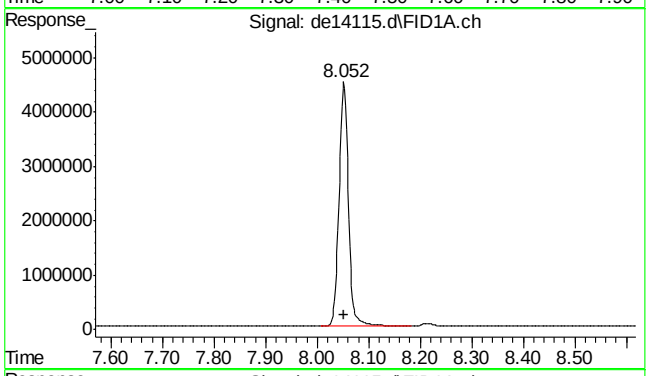
#6 2-bromonaphthalene

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 3491653
Conc: 55.64 µg/ml



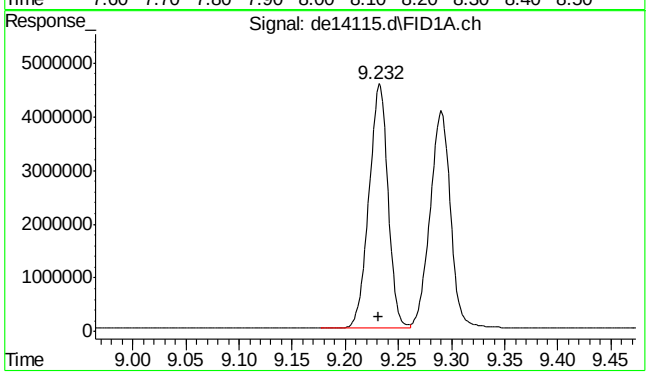
#7 acenaphthene

R.T.: 7.408 min
Delta R.T.: 0.002 min
Response: 5922904
Conc: 57.29 µg/ml



#8 fluorene

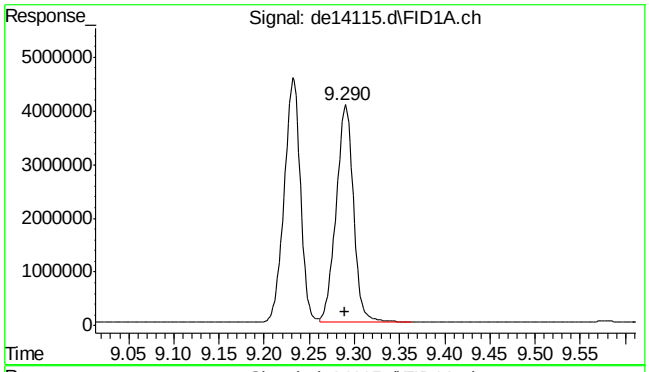
R.T.: 8.052 min
Delta R.T.: 0.000 min
Response: 5732272
Conc: 56.44 µg/ml



#9 phenanthrene

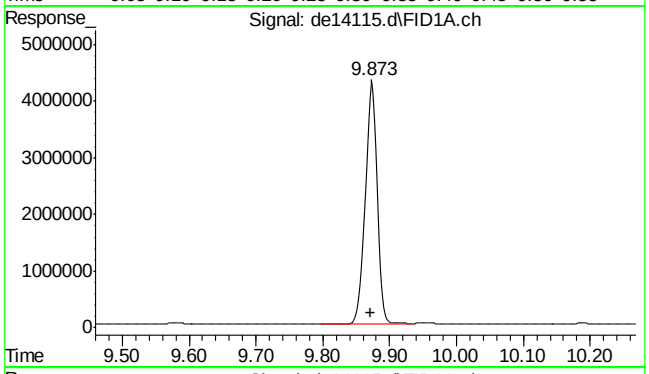
R.T.: 9.232 min
Delta R.T.: 0.000 min
Response: 5684030
Conc: 55.86 µg/ml

SGS ACCUTEST MC45857



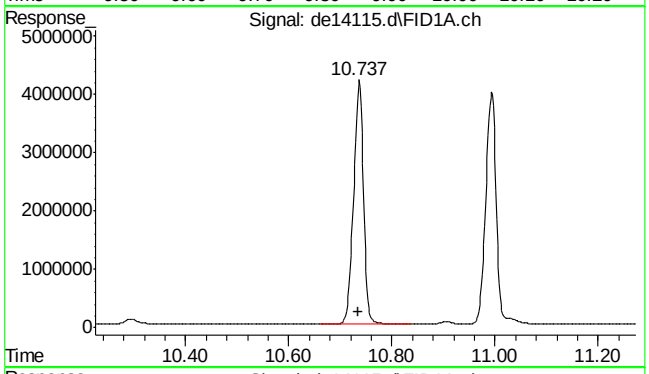
#10 anthracene

R.T.: 9.290 min
Delta R.T.: 0.000 min
Response: 5438127
Conc: 56.06 µg/ml



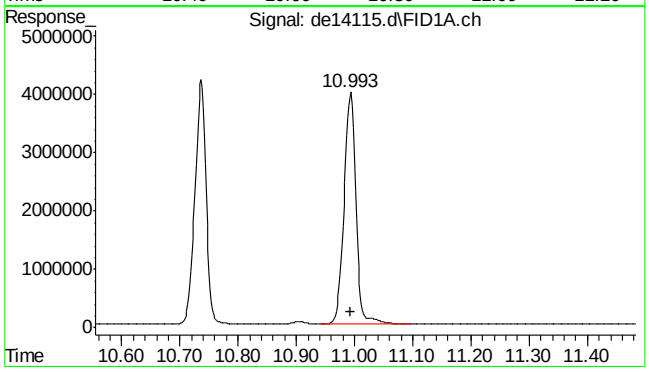
#11 o-terphenyl

R.T.: 9.873 min
Delta R.T.: 0.002 min
Response: 5688366
Conc: 55.54 µg/ml



#12 fluoranthene

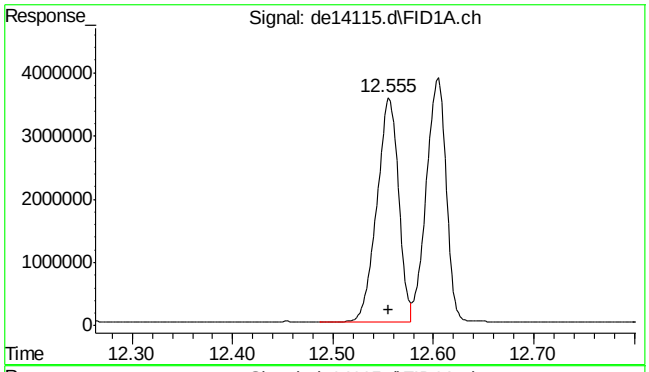
R.T.: 10.737 min
Delta R.T.: 0.002 min
Response: 5535115
Conc: 55.38 µg/ml



#13 pyrene

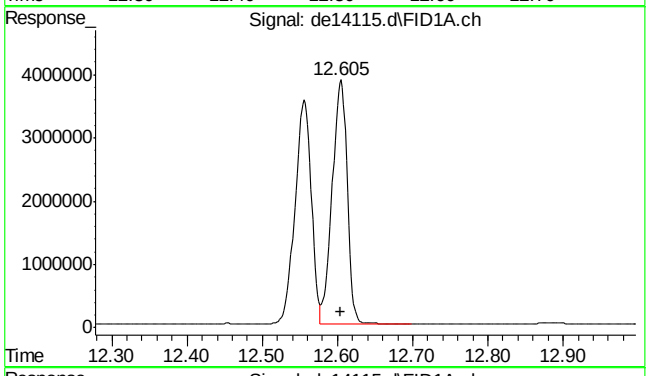
R.T.: 10.993 min
Delta R.T.: 0.000 min
Response: 5669280
Conc: 55.88 µg/ml

SGS ACCUTEST MC45857



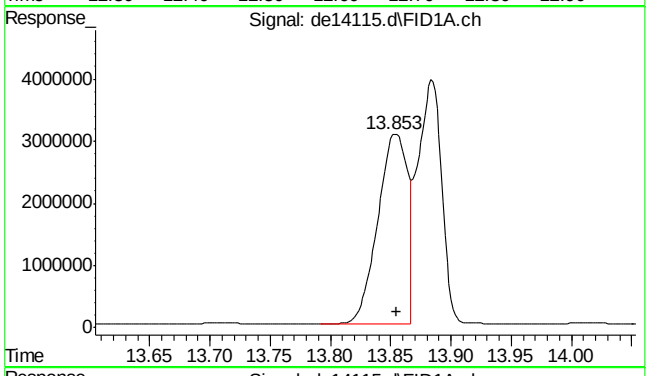
#14 benzo(a)anthracene

R.T.: 12.555 min
Delta R.T.: 0.000 min
Response: 5268850
Conc: 54.50 µg/ml



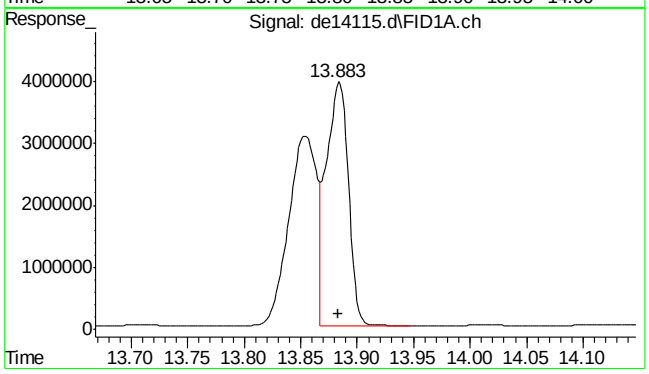
#15 chrysene

R.T.: 12.605 min
Delta R.T.: 0.002 min
Response: 5338404
Conc: 54.84 µg/ml



#16 benzo(B)fluoranthene

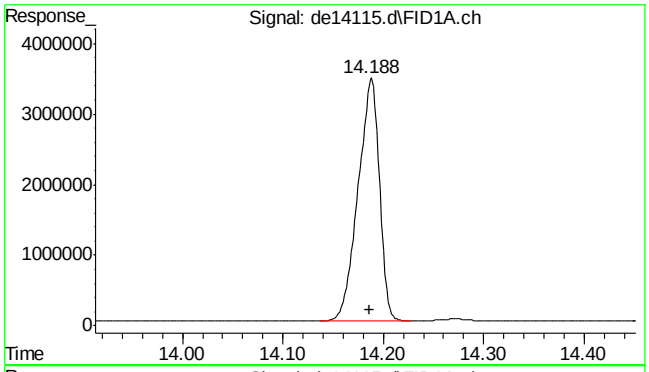
R.T.: 13.853 min
Delta R.T.: -0.002 min
Response: 5299227
Conc: 53.53 µg/ml



#17 benzo(k)fluoranthene

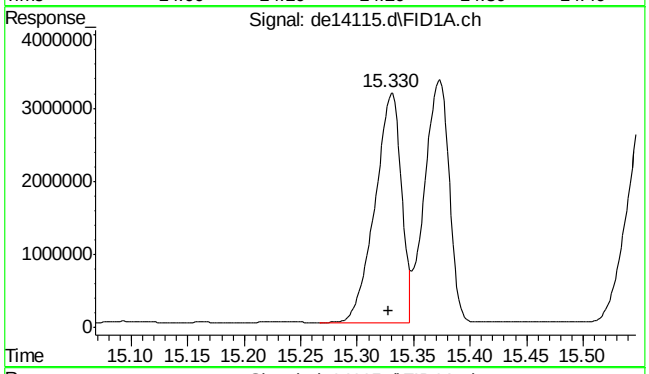
R.T.: 13.883 min
Delta R.T.: 0.000 min
Response: 5324953
Conc: 56.35 µg/ml

SGS ACCUTEST MC45857



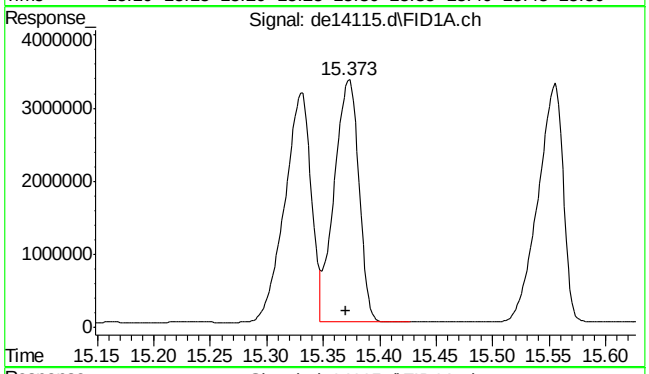
#18 benzo(a)pyrene

R.T.: 14.188 min
Delta R.T.: 0.002 min
Response: 5055035
Conc: 54.69 µg/ml



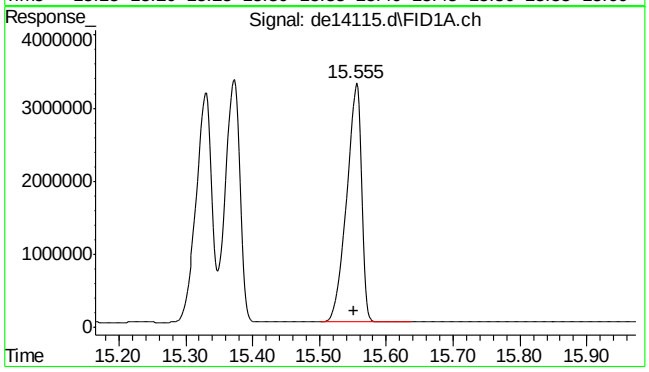
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.330 min
Delta R.T.: 0.002 min
Response: 5133385
Conc: 54.23 µg/ml



#20 dibenzo(ah)anthracene

R.T.: 15.373 min
Delta R.T.: 0.003 min
Response: 5033351
Conc: 55.07 µg/ml



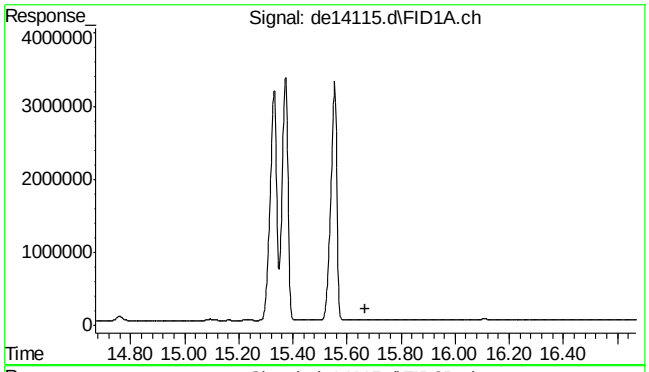
#21 benzo(ghi)perylene

R.T.: 15.555 min
Delta R.T.: 0.003 min
Response: 5042459
Conc: 54.74 µg/ml

9.4.10

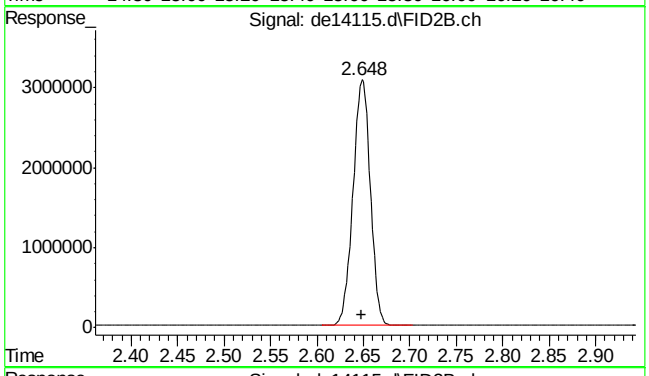
9

SGS ACCUTEST MC45857



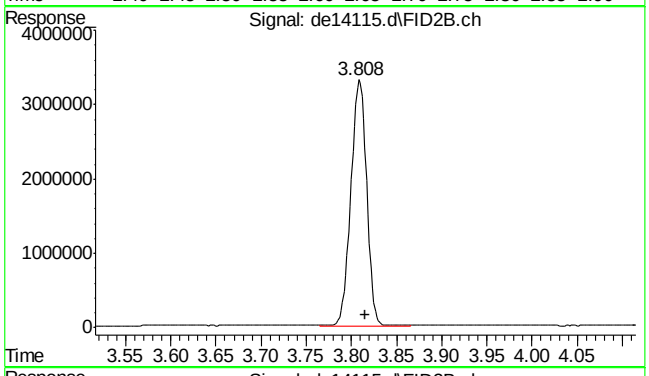
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



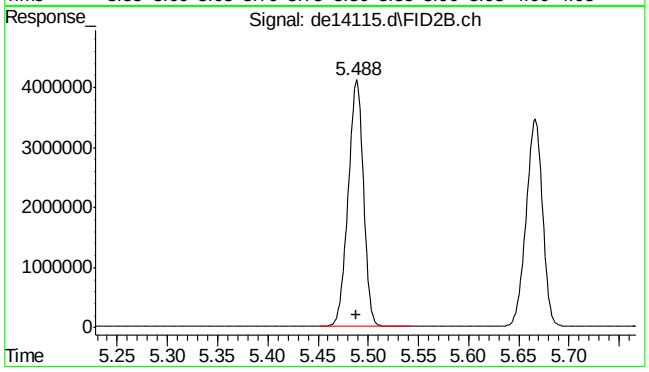
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 4000760
Conc: 54.16 µg/ml m



#26 c-10

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 4038635
Conc: 54.67 µg/ml



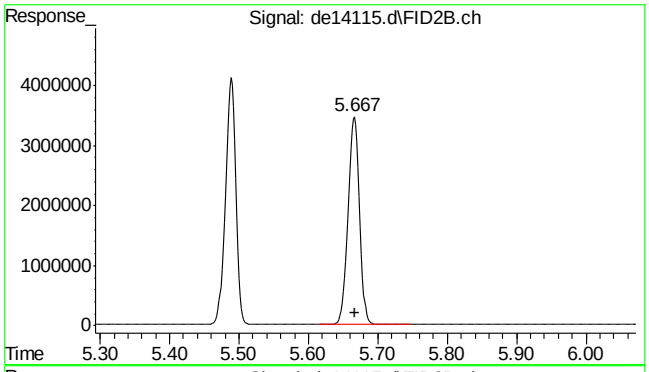
#27 naphthalene #2

R.T.: 5.488 min
Delta R.T.: 0.000 min
Response: 4302131
Conc: 53.86 µg/ml

9.4.10

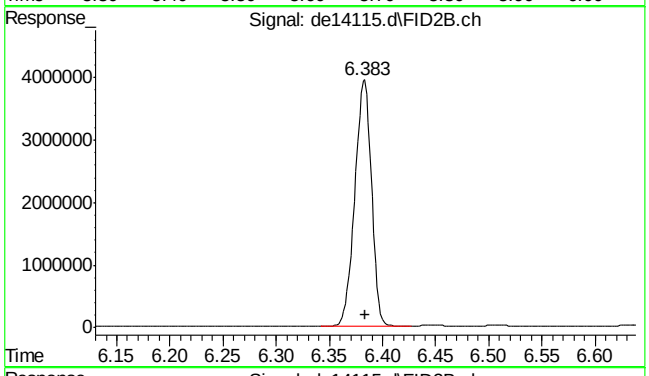
9

SGS ACCUTEST MC45857



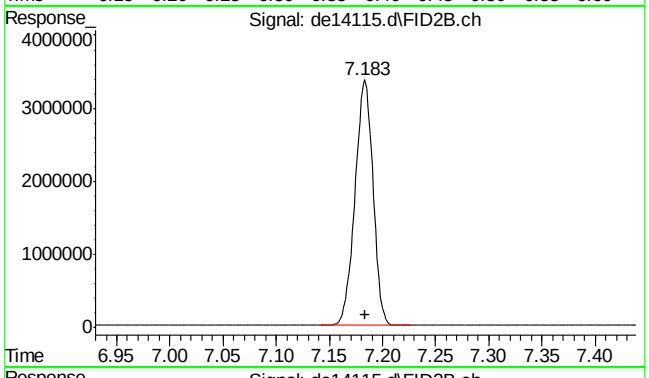
#28 c-12

R.T.: 5.667 min
Delta R.T.: 0.000 min
Response: 4001673
Conc: 54.17 µg/ml



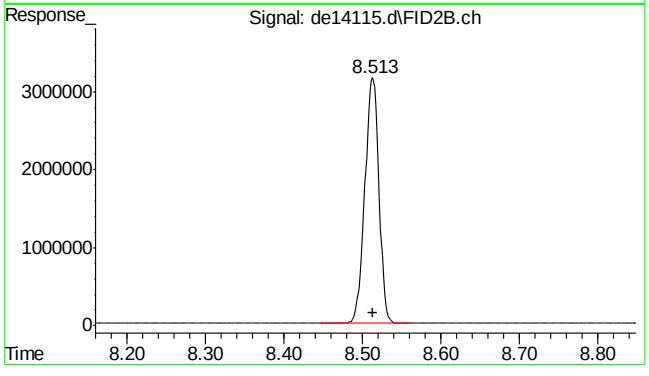
#29 2-methylnaphthalene #2

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 4289263
Conc: 53.24 µg/ml



#30 c-14

R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 3967509
Conc: 53.71 µg/ml



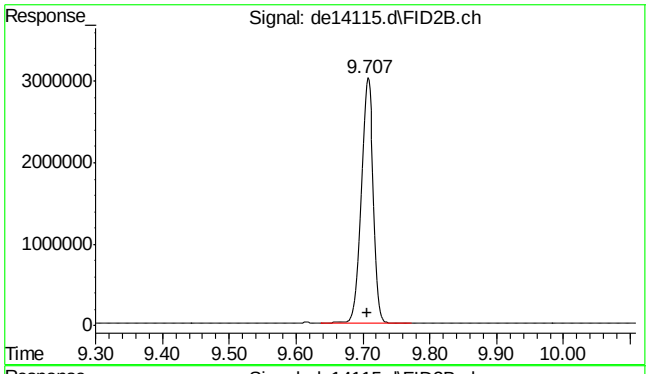
#31 c-16

R.T.: 8.513 min
Delta R.T.: 0.000 min
Response: 3922983
Conc: 53.11 µg/ml

9.4.10

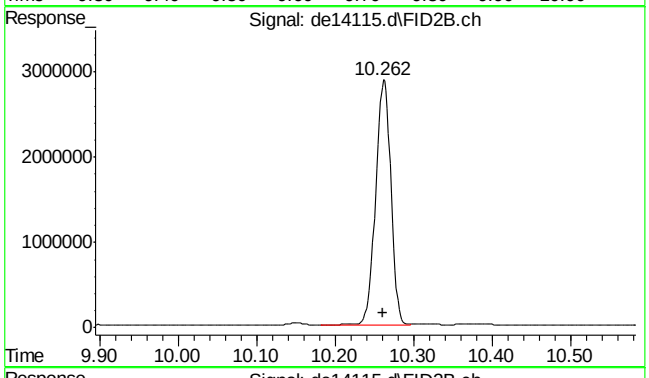
9

SGS ACCUTEST MC45857



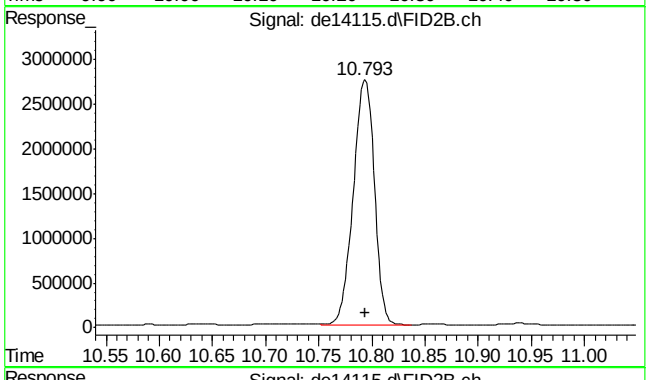
#32 c-18

R.T.: 9.707 min
Delta R.T.: 0.000 min
Response: 3910636
Conc: 52.94 µg/ml



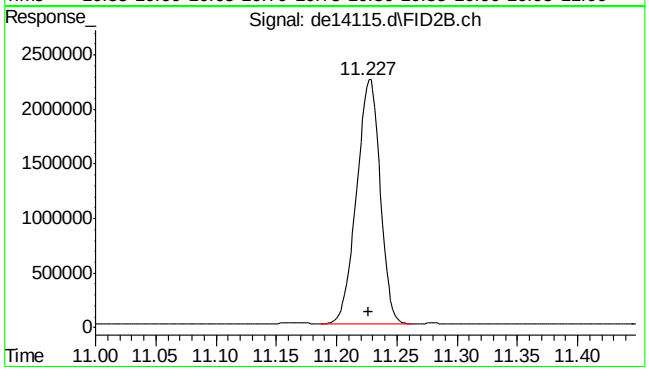
#33 c-19

R.T.: 10.262 min
Delta R.T.: 0.000 min
Response: 3872967
Conc: 57.97 µg/ml



#34 c-20

R.T.: 10.793 min
Delta R.T.: 0.000 min
Response: 3793134
Conc: 56.78 µg/ml



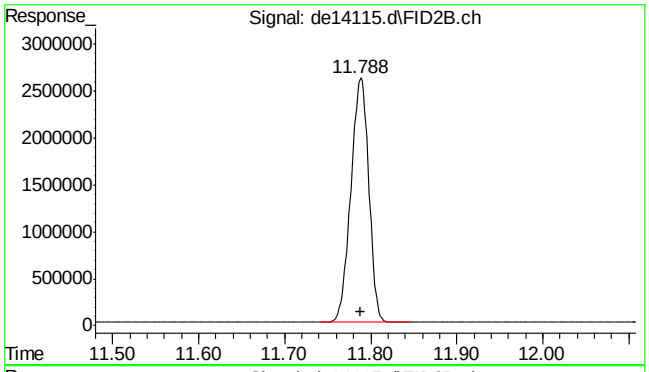
#35 1-chlorooctadecane

R.T.: 11.227 min
Delta R.T.: 0.000 min
Response: 3060163
Conc: 54.09 µg/ml

9.4.10

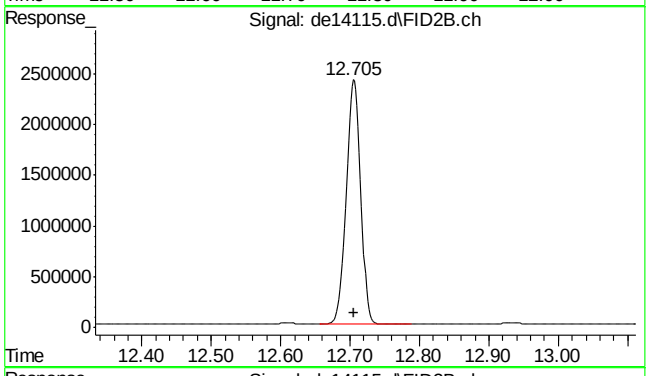
9

SGS ACCUTEST MC45857



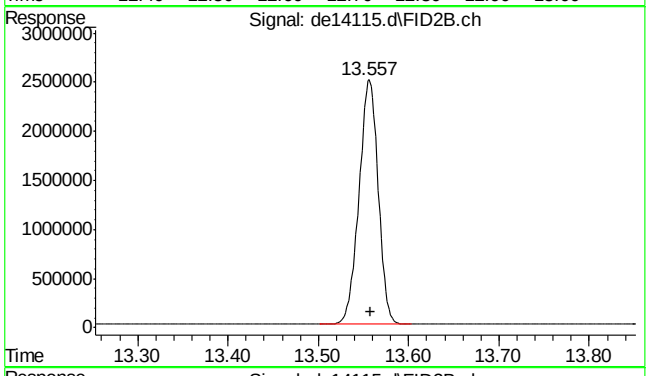
#36 c-22

R.T.: 11.788 min
Delta R.T.: 0.000 min
Response: 3749208
Conc: 56.12 µg/ml



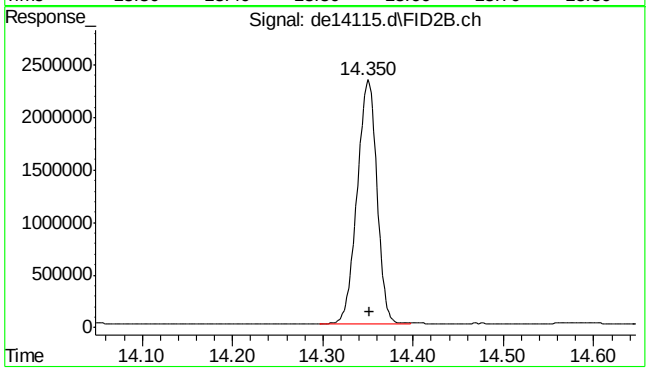
#37 c-24

R.T.: 12.705 min
Delta R.T.: 0.000 min
Response: 3482985
Conc: 52.14 µg/ml



#38 c-26

R.T.: 13.557 min
Delta R.T.: -0.002 min
Response: 3680147
Conc: 55.09 µg/ml



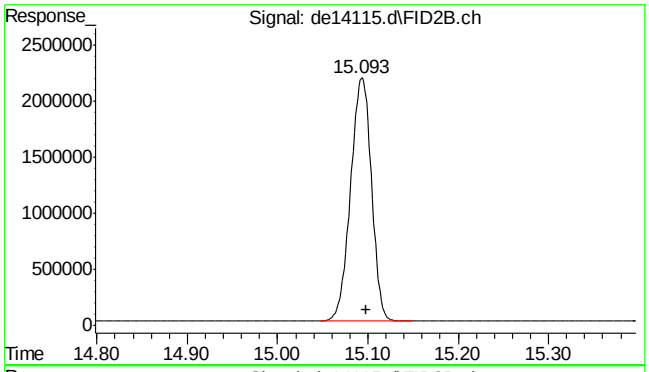
#39 c-28

R.T.: 14.350 min
Delta R.T.: -0.002 min
Response: 3533056
Conc: 52.88 µg/ml

9.4.10

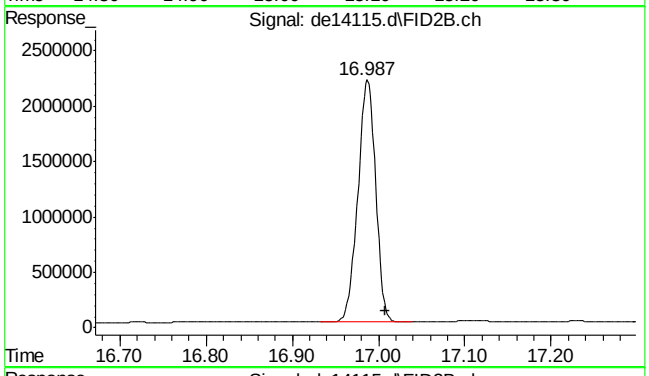
9

SGS ACCUTEST MC45857



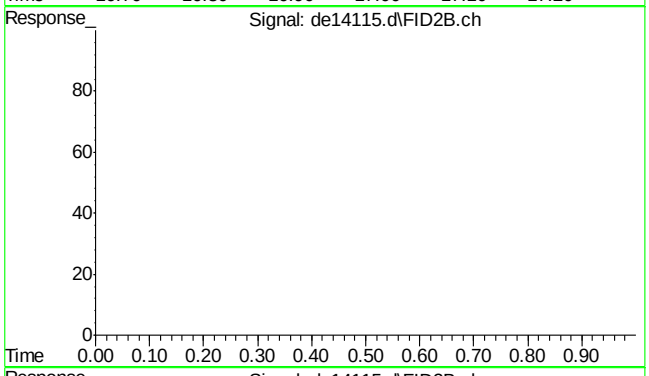
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 3512451
Conc: 52.58 µg/ml



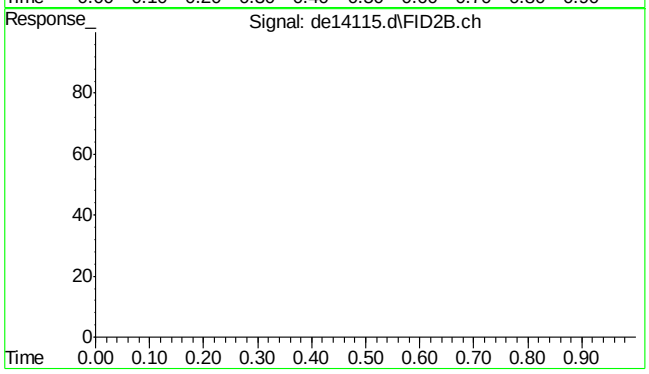
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 3124612
Conc: 46.77 µg/ml m



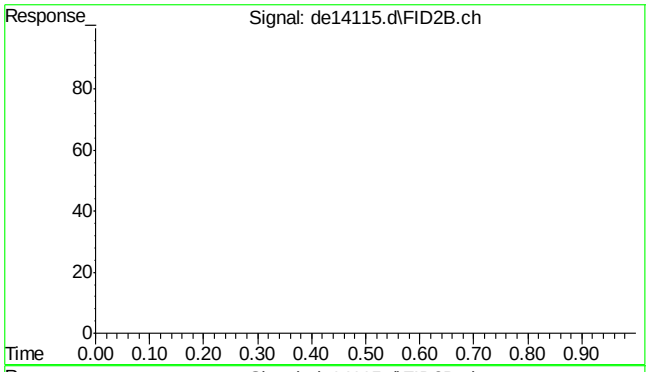
#42 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



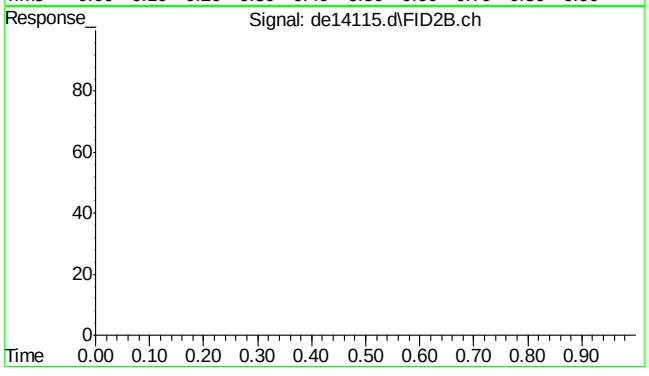
#43 bht

R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#44 bht

```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```



#45 bht

```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```

9.4.10

9

SGS ACCUTEST MC45857

Manual Integrations
APPROVED
(compounds with "m" flag)
Andri Piluri
05/19/16 09:42

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14126.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 7:30 pm
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 19 08:08:04 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
	System Monitoring Compounds			
4) s	2-fluorobiphenyl	6.605	3992538	43.289 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 216.44%#
6) s	2-bromonaphthalene	7.333	2768097	44.110 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 220.55%#
11) s	o-terphenyl	9.873	4932946	48.161 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 240.81%#
35) s	1-chlorooctadecane	11.227	3073019	54.318 µg/ml
Spiked Amount	20.000	Range	8 - 28	Recovery = 271.59%#
	Target Compounds			
2)	naphthalene	5.152	4301087	41.701 µg/ml
3)	2-methylnaphthalene	6.052	4320094	42.155 µg/ml
5)	acenaphthylene	7.165	4465902	44.392 µg/ml
7)	acenaphthene	7.408	4712853	45.589 µg/ml
8)	fluorene	8.052	4688850	46.165 µg/ml
9)	phenanthrene	9.232	4845211	47.613 µg/ml
10)	anthracene	9.288	4703571	48.486 µg/ml
12)	fluoranthene	10.735	5039602	50.426 µg/ml
13)	pyrene	10.993	5199134	51.242 µg/ml
14)	benzo(a)anthracene	12.557	5103244	52.788 µg/ml
15)	chrysene	12.605	5180496	53.220 µg/ml
16)	benzo(B)fluoranthene	13.855	5419625	54.742 µg/mlm
17)	benzo(k)fluoranthene	13.887	5257880	55.637 µg/mlm
18)	benzo(a)pyrene	14.188	5110798	55.290 µg/ml
19)	indeno(1,2,3-cd)pyrene	15.330	5325473	56.260 µg/ml
20)	dibenzo(ah)anthracene	15.373	5161711	56.475 µg/ml
21)	benzo(ghi)perylene	15.555	5206669	56.519 µg/ml
25) h	c-9	2.648	3899563	52.788 µg/mlm
26) h	c-10	3.815	3933196	53.243 µg/ml
27)	naphthalene #2	5.488	4198388	52.564 µg/ml
28)	c-12	5.667	3906710	52.885 µg/ml
29)	2-methylnaphthalene #2	6.383	4196363	52.086 µg/ml
30)	c-14	7.183	3891746	52.682 µg/ml
31)	c-16	8.512	3870122	52.389 µg/ml
32)	c-18	9.708	3887502	52.625 µg/ml
33)	c-19	10.262	3863603	57.833 µg/ml
34)	c-20	10.793	3797064	56.837 µg/ml
36)	c-22	11.788	3781508	56.604 µg/ml
37)	c-24	12.707	3543148	53.036 µg/ml
38)	c-26	13.558	3774040	56.492 µg/ml

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14126.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 7:30 pm
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 19 08:08:04 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :

	Compound	R.T.	Response	Conc Units
39)	c-28	14.350	3646575	54.584 µg/ml
40) h	c-30	15.098	3641643	54.510 µg/ml
41) h	c-36	17.008	3302036	49.427 µg/mlm

(f)=RT Delta > 1/2 Window (m)=manual int.

9.4.11

9

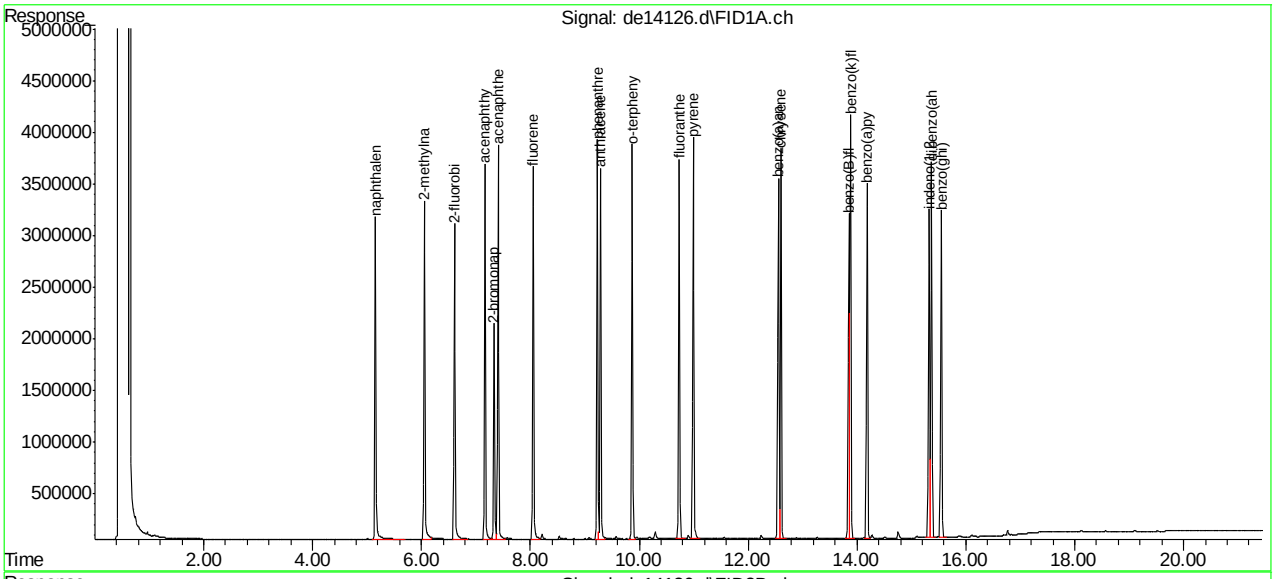
SGS ACCUTEST MC45857

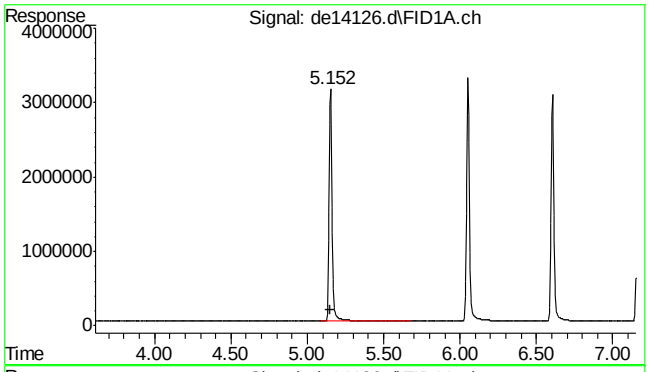
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14126.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 7:30 pm
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 19 08:08:04 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

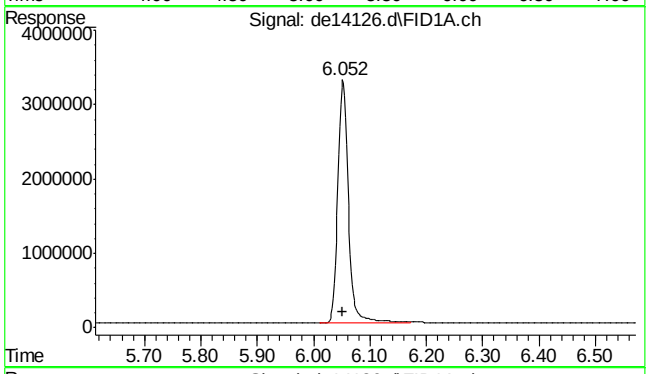
Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





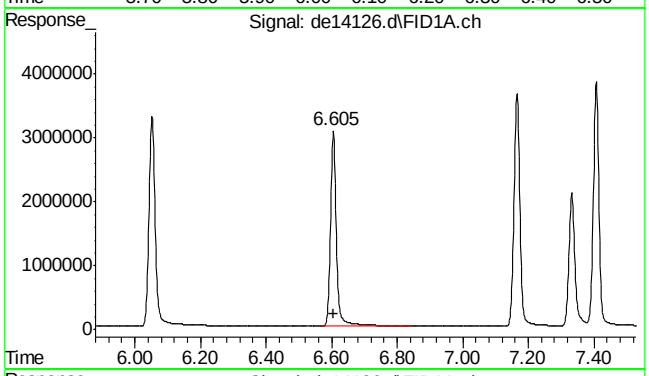
#2 naphthalene

R.T.: 5.152 min
Delta R.T.: 0.000 min
Response: 4301087
Conc: 41.70 µg/ml



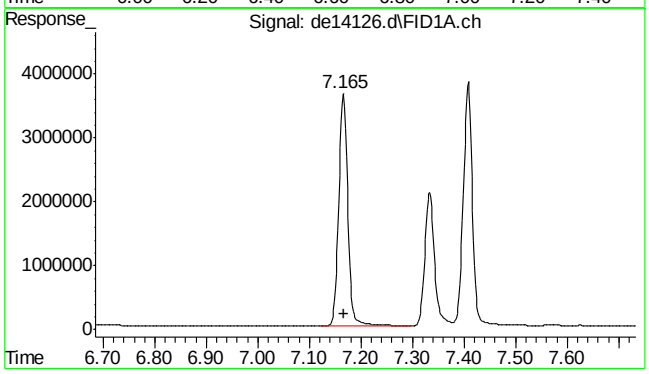
#3 2-methylnaphthalene

R.T.: 6.052 min
Delta R.T.: 0.000 min
Response: 4320094
Conc: 42.15 µg/ml



#4 2-fluorobiphenyl

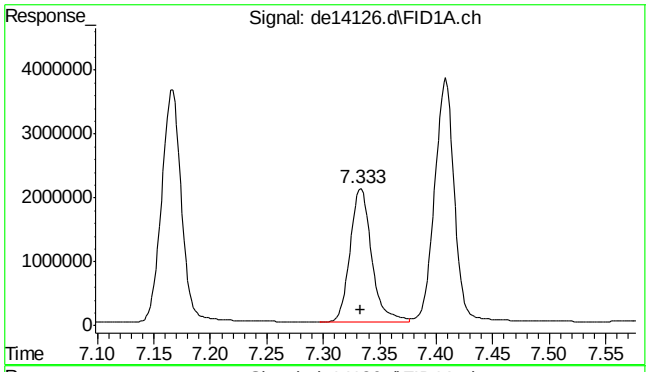
R.T.: 6.605 min
Delta R.T.: 0.000 min
Response: 3992538
Conc: 43.29 µg/ml



#5 acenaphthylene

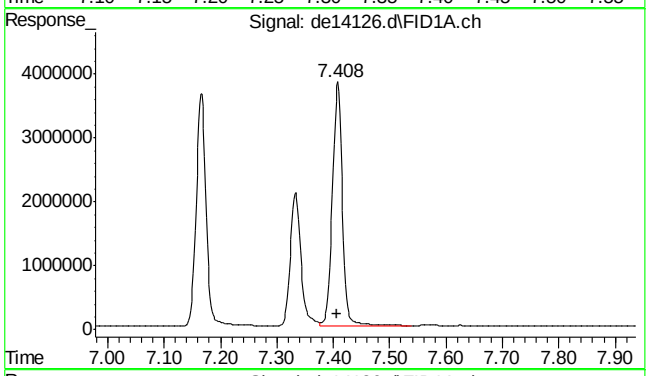
R.T.: 7.165 min
Delta R.T.: -0.002 min
Response: 4465902
Conc: 44.39 µg/ml

SGS ACCUTEST MC45857



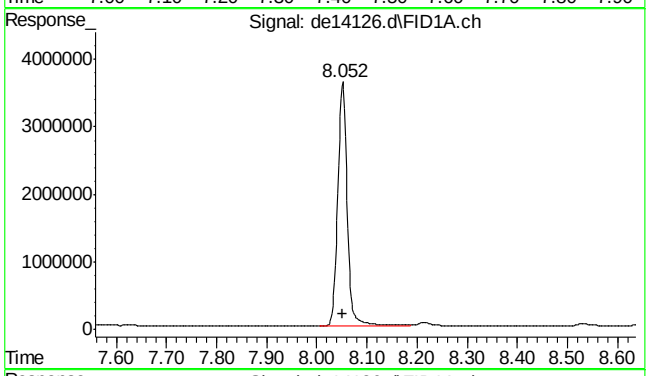
#6 2-bromonaphthalene

R.T.: 7.333 min
Delta R.T.: 0.000 min
Response: 2768097
Conc: 44.11 µg/ml



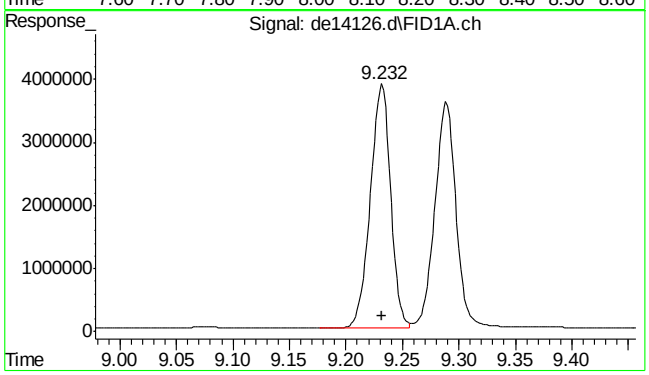
#7 acenaphthene

R.T.: 7.408 min
Delta R.T.: 0.002 min
Response: 4712853
Conc: 45.59 µg/ml



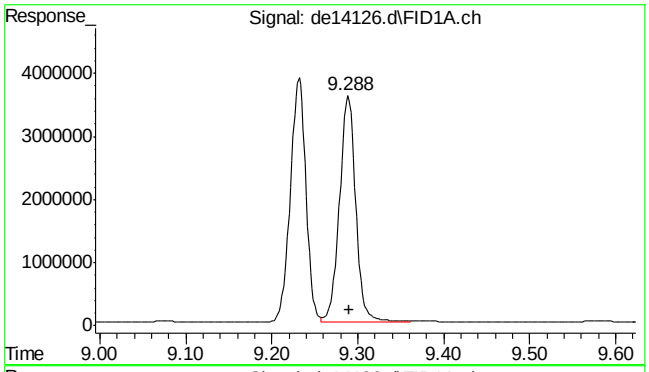
#8 fluorene

R.T.: 8.052 min
Delta R.T.: 0.000 min
Response: 4688850
Conc: 46.16 µg/ml



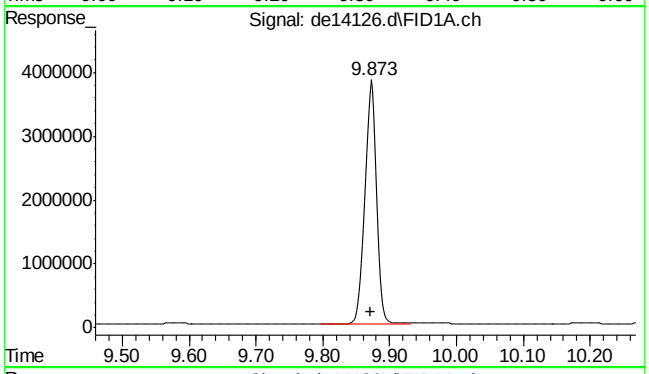
#9 phenanthrene

R.T.: 9.232 min
Delta R.T.: 0.000 min
Response: 4845211
Conc: 47.61 µg/ml



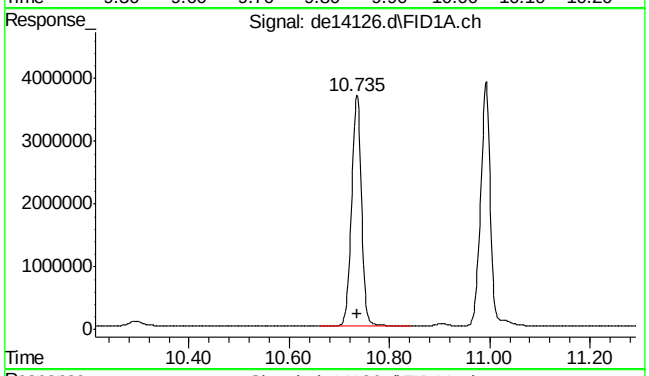
#10 anthracene

R.T.: 9.288 min
Delta R.T.: -0.002 min
Response: 4703571
Conc: 48.49 µg/ml



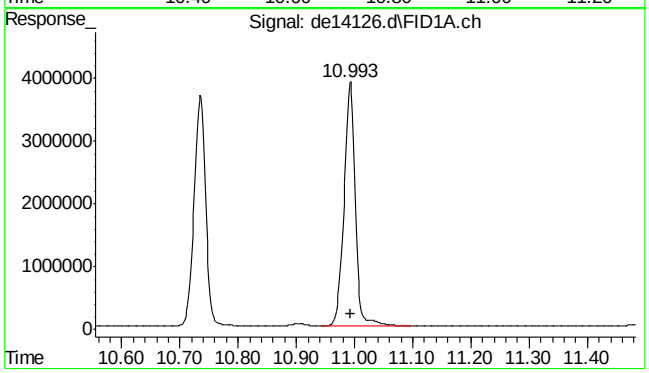
#11 o-terphenyl

R.T.: 9.873 min
Delta R.T.: 0.002 min
Response: 4932946
Conc: 48.16 µg/ml



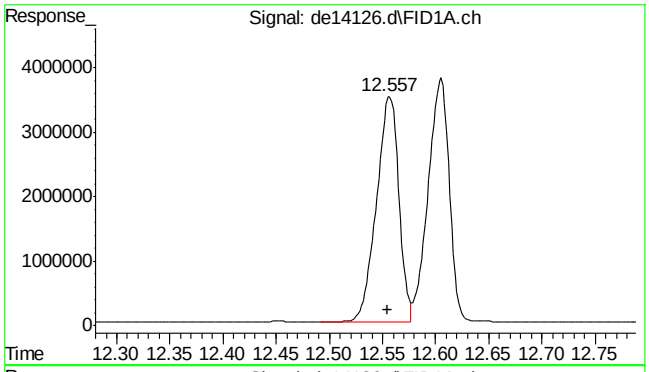
#12 fluoranthene

R.T.: 10.735 min
Delta R.T.: 0.000 min
Response: 5039602
Conc: 50.43 µg/ml



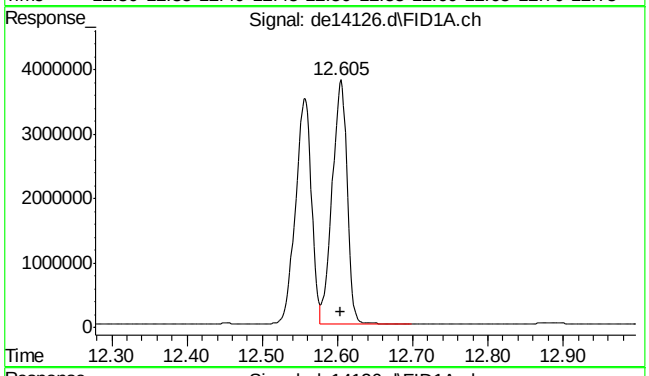
#13 pyrene

R.T.: 10.993 min
Delta R.T.: 0.000 min
Response: 5199134
Conc: 51.24 µg/ml



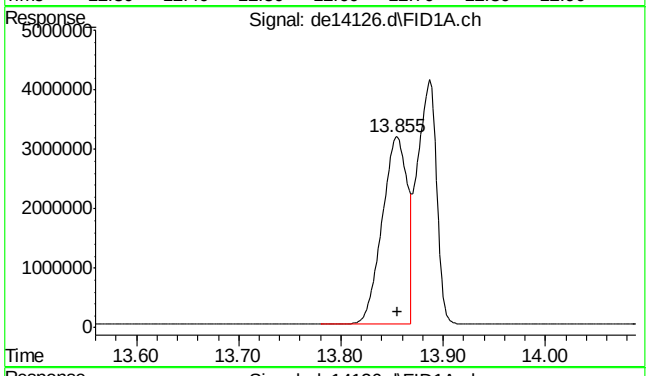
#14 benzo(a)anthracene

R.T.: 12.557 min
Delta R.T.: 0.002 min
Response: 5103244
Conc: 52.79 µg/ml



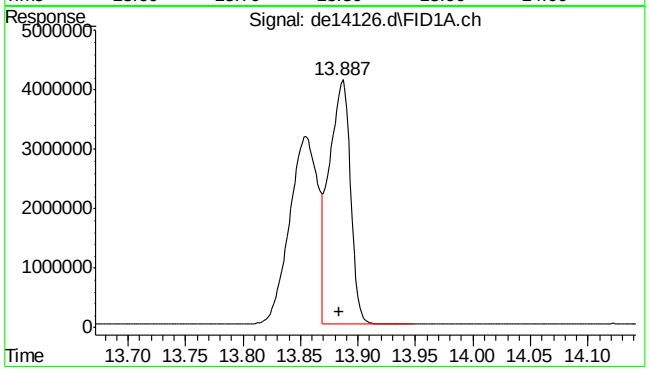
#15 chrysene

R.T.: 12.605 min
Delta R.T.: 0.002 min
Response: 5180496
Conc: 53.22 µg/ml



#16 benzo(B)fluoranthene

R.T.: 13.855 min
Delta R.T.: 0.000 min
Response: 5419625
Conc: 54.74 µg/ml m



#17 benzo(k)fluoranthene

R.T.: 13.887 min
Delta R.T.: 0.003 min
Response: 5257880
Conc: 55.64 µg/ml m

9.4.11

9

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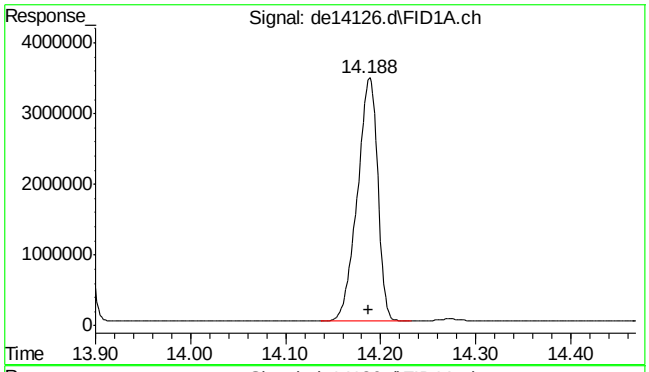
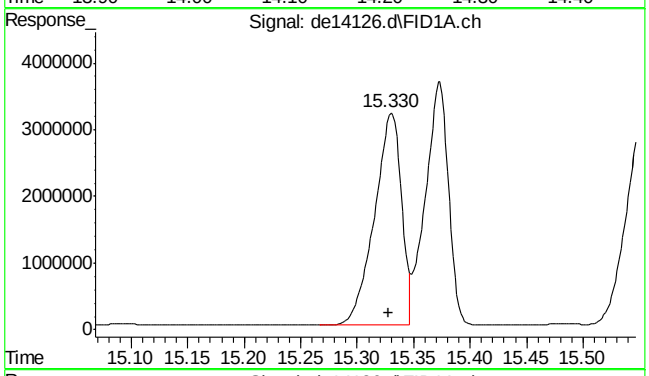


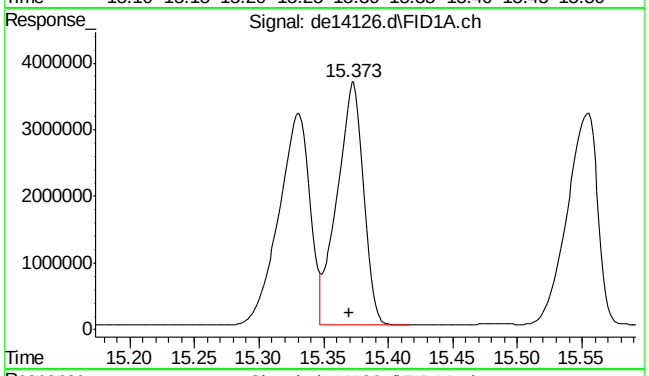
#18 benzo(a)pyrene

R.T.: 14.188 min
Delta R.T.: 0.002 min
Response: 5110798
Conc: 55.29 µg/ml



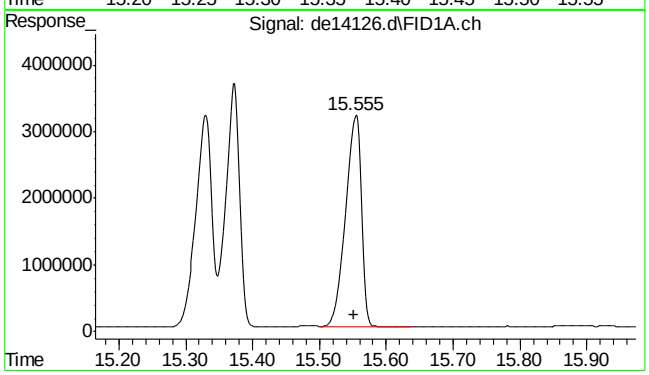
#19 indeno(1,2,3-cd)pyrene

R.T.: 15.330 min
Delta R.T.: 0.002 min
Response: 5325473
Conc: 56.26 µg/ml



#20 dibenzo(ah)anthracene

R.T.: 15.373 min
Delta R.T.: 0.003 min
Response: 5161711
Conc: 56.47 µg/ml



#21 benzo(ghi)perylene

R.T.: 15.555 min
Delta R.T.: 0.003 min
Response: 5206669
Conc: 56.52 µg/ml

9.4.11

9

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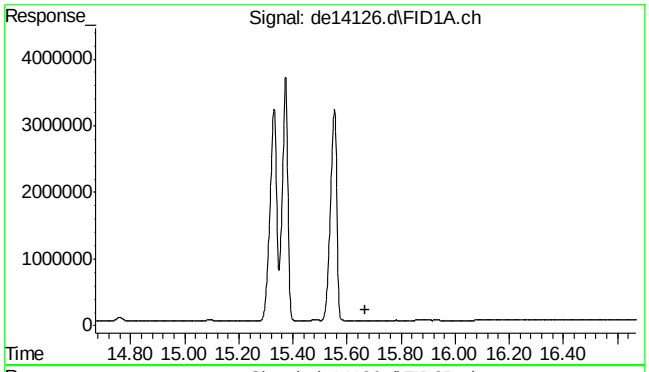
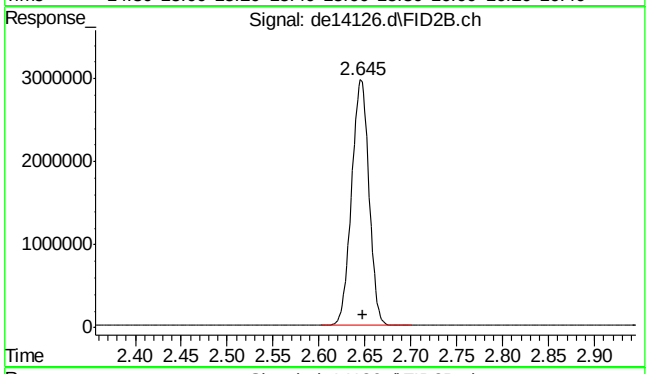


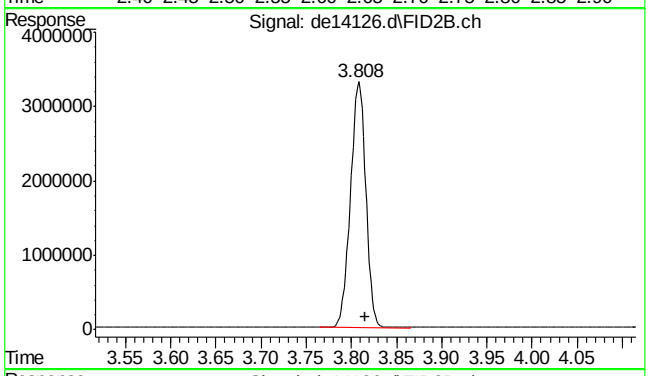
#22 bht

R.T.: 0.000 min
Exp R.T. : 15.668 min
Response: 0
Conc: N.D.



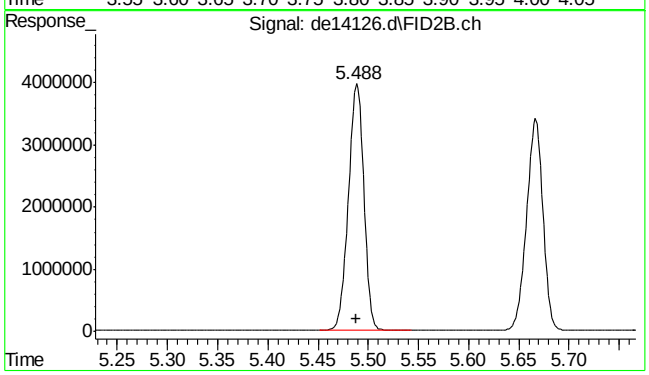
#25 c-9

R.T.: 2.648 min
Delta R.T.: 0.000 min
Response: 3899563
Conc: 52.79 µg/ml m



#26 c-10

R.T.: 3.815 min
Delta R.T.: 0.000 min
Response: 3933196
Conc: 53.24 µg/ml



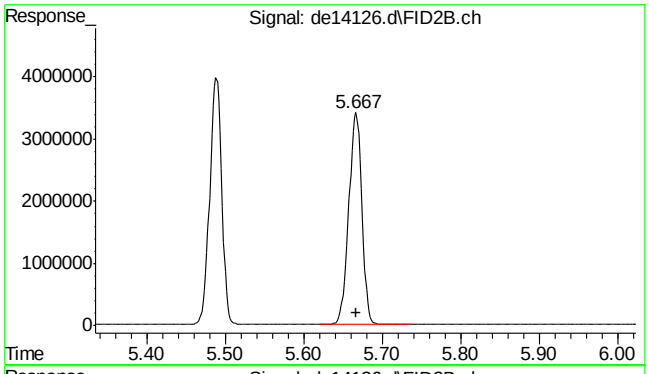
#27 naphthalene #2

R.T.: 5.488 min
Delta R.T.: 0.000 min
Response: 4198388
Conc: 52.56 µg/ml

9.4.11

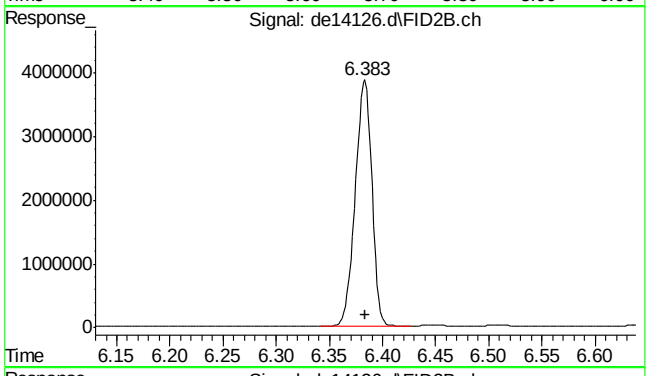
9

SGS ACCUTEST MC45857



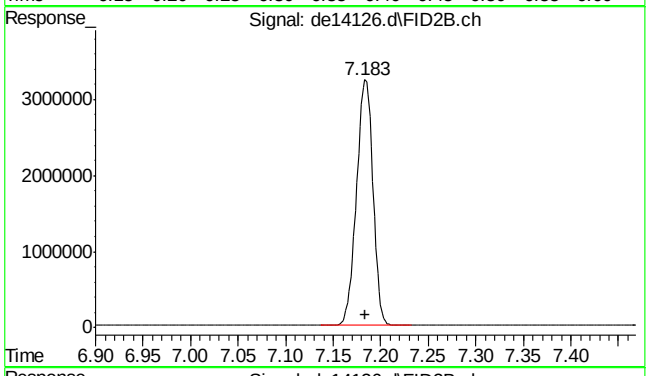
#28 c-12

R.T.: 5.667 min
Delta R.T.: 0.000 min
Response: 3906710
Conc: 52.88 µg/ml



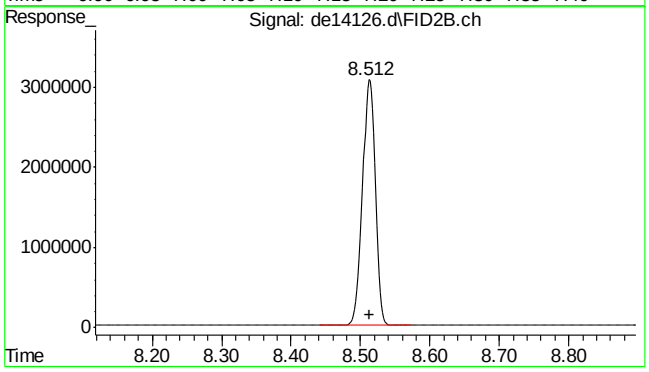
#29 2-methylnaphthalene #2

R.T.: 6.383 min
Delta R.T.: 0.000 min
Response: 4196363
Conc: 52.09 µg/ml



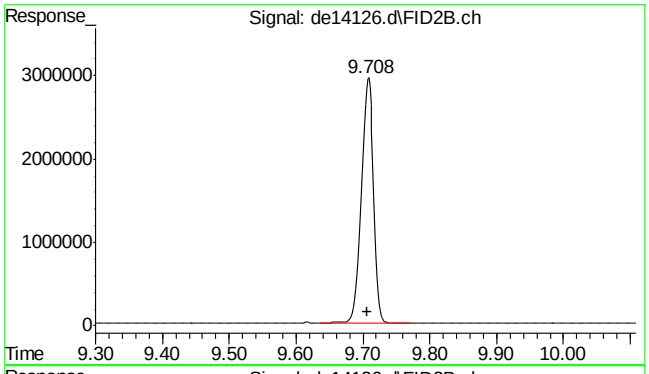
#30 c-14

R.T.: 7.183 min
Delta R.T.: 0.000 min
Response: 3891746
Conc: 52.68 µg/ml



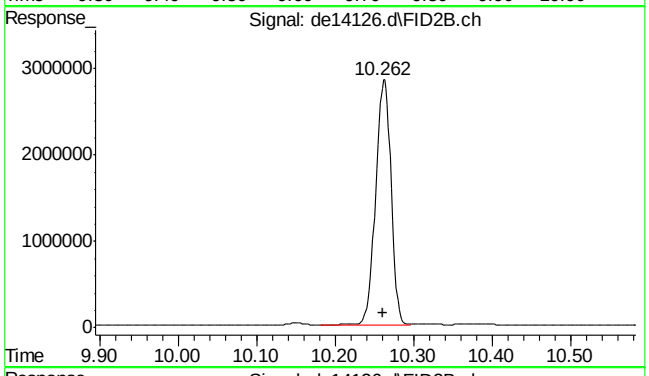
#31 c-16

R.T.: 8.512 min
Delta R.T.: -0.002 min
Response: 3870122
Conc: 52.39 µg/ml



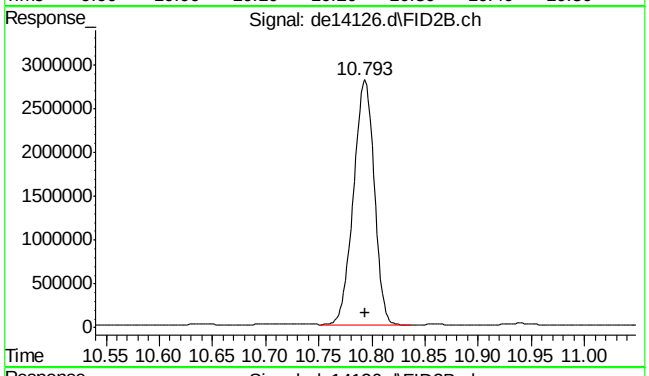
#32 c-18

R.T.: 9.708 min
Delta R.T.: 0.002 min
Response: 3887502
Conc: 52.62 µg/ml



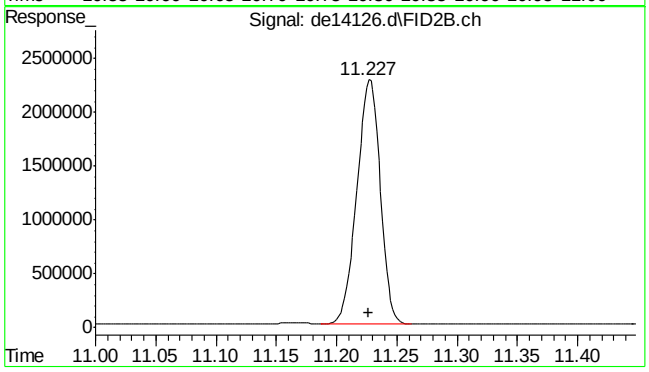
#33 c-19

R.T.: 10.262 min
Delta R.T.: 0.000 min
Response: 3863603
Conc: 57.83 µg/ml



#34 c-20

R.T.: 10.793 min
Delta R.T.: 0.000 min
Response: 3797064
Conc: 56.84 µg/ml



#35 1-chlorooctadecane

R.T.: 11.227 min
Delta R.T.: 0.000 min
Response: 3073019
Conc: 54.32 µg/ml

9.4.11

9

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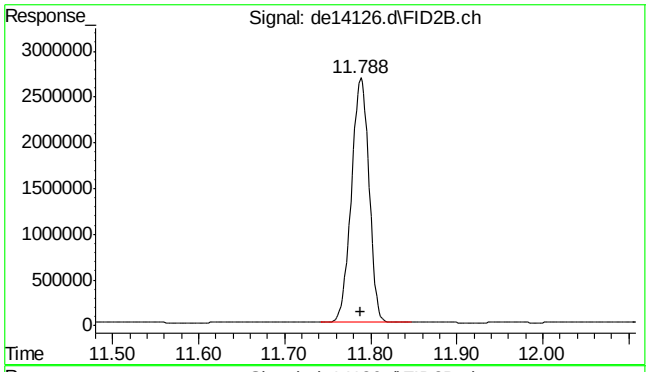
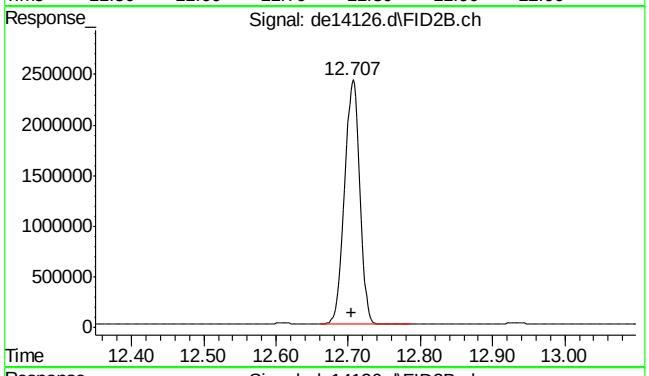


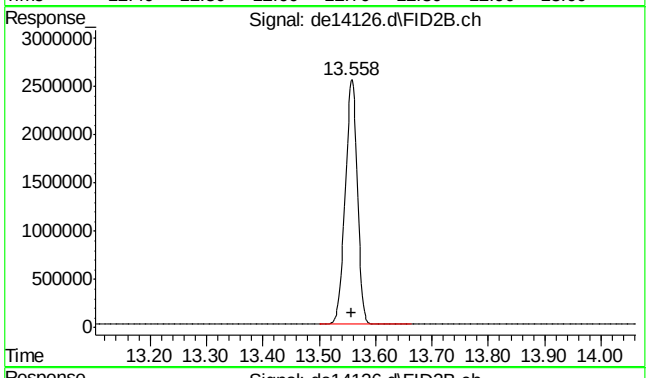
#36 c-22

R.T.: 11.788 min
Delta R.T.: 0.000 min
Response: 3781508
Conc: 56.60 µg/ml



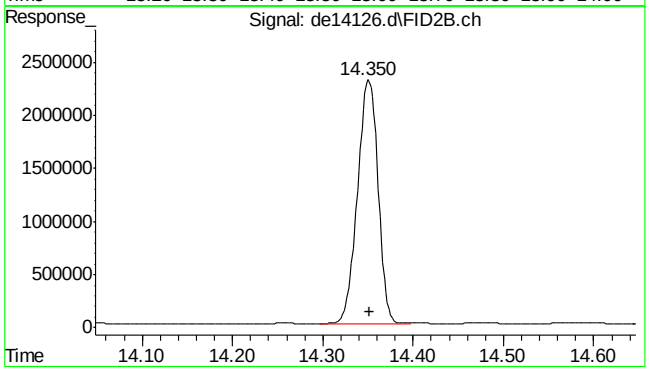
#37 c-24

R.T.: 12.707 min
Delta R.T.: 0.002 min
Response: 3543148
Conc: 53.04 µg/ml



#38 c-26

R.T.: 13.558 min
Delta R.T.: 0.000 min
Response: 3774040
Conc: 56.49 µg/ml



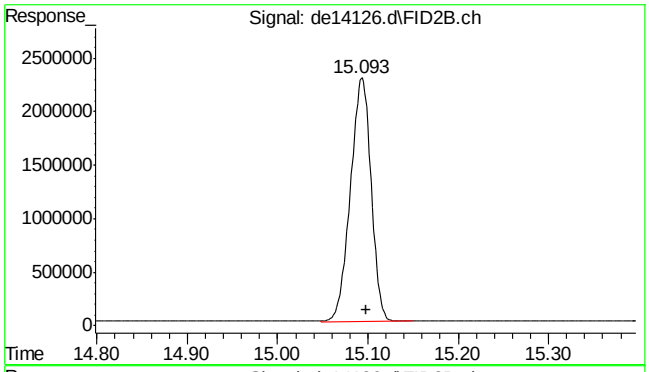
#39 c-28

R.T.: 14.350 min
Delta R.T.: -0.002 min
Response: 3646575
Conc: 54.58 µg/ml

9.4.11

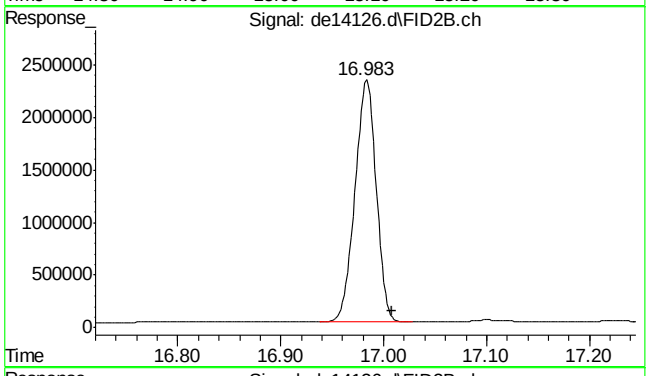
9

SGS ACCUTEST MC45857



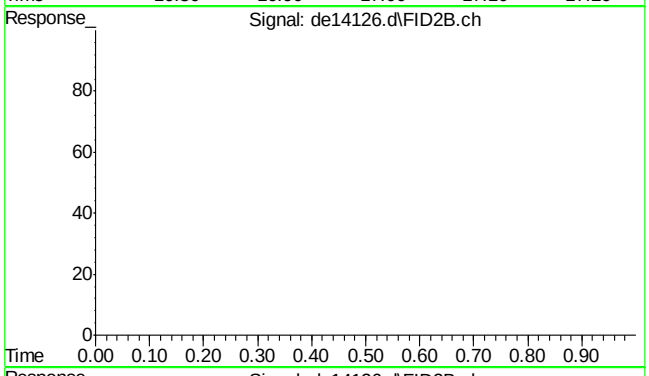
#40 c-30

R.T.: 15.098 min
Delta R.T.: 0.000 min
Response: 3641643
Conc: 54.51 µg/ml



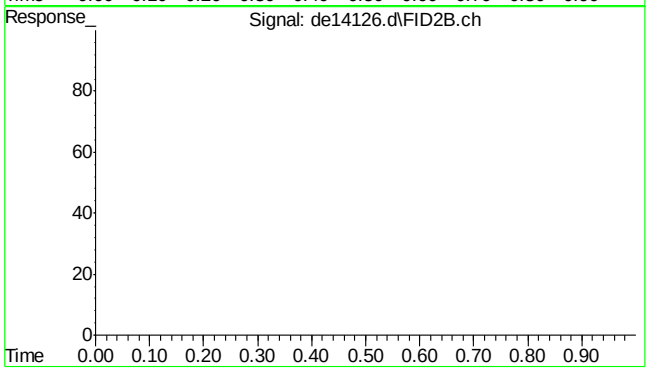
#41 c-36

R.T.: 17.008 min
Delta R.T.: 0.000 min
Response: 3302036
Conc: 49.43 µg/ml m



#42 bht

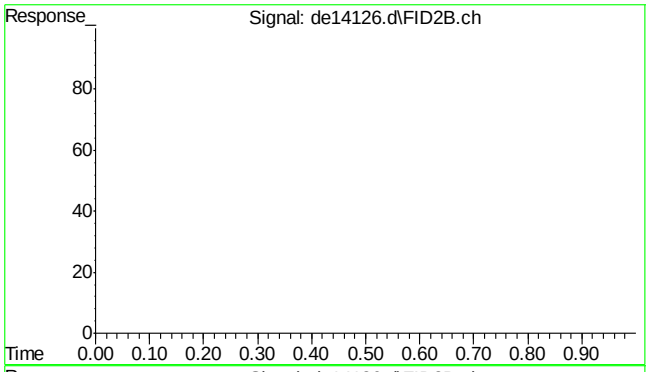
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.



#43 bht

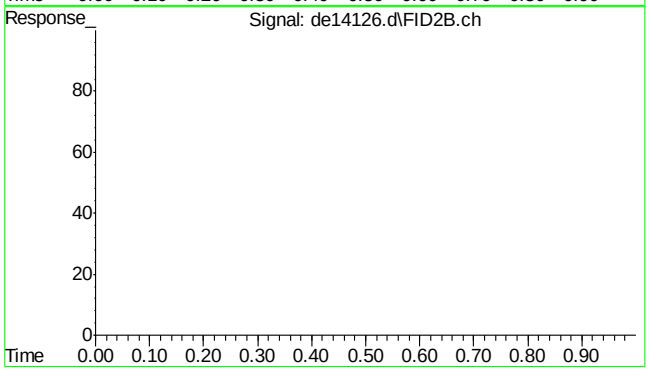
R.T.: 0.000 min
Exp R.T. : 23.000 min
Response: 0
Conc: N.D.

SGS ACCUTEST MC45857



#44 bht

```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```



#45 bht

```
      R.T.:    0.000 min
Exp R.T.  :   23.000 min
  Response:         0
      Conc:   N.D.
```

9.4.11

9

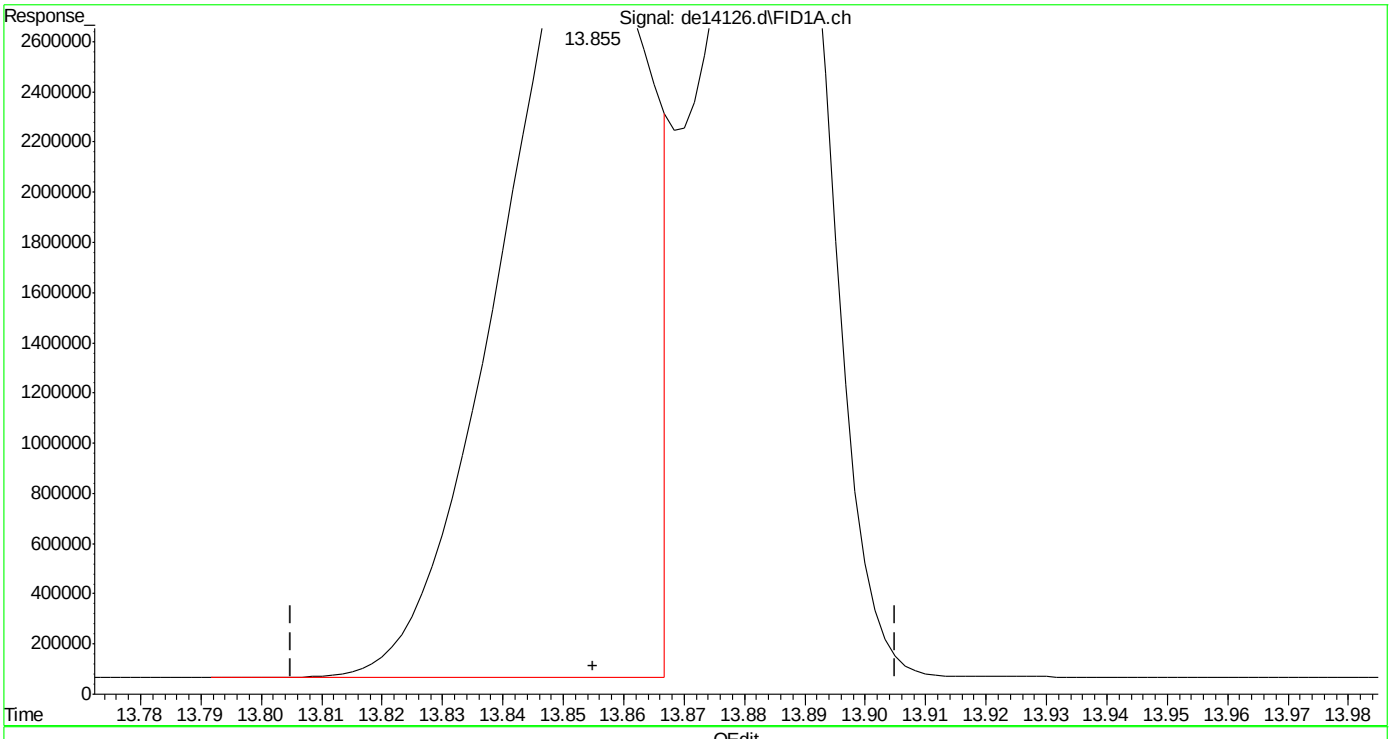
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14126.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 7:30 pm
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 19 08:05:01 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
13.855min 52.518 µg/ml
response 5199377

(+) = Expected Retention Time
EPH160518W.M Thu May 19 08:06:52 2016

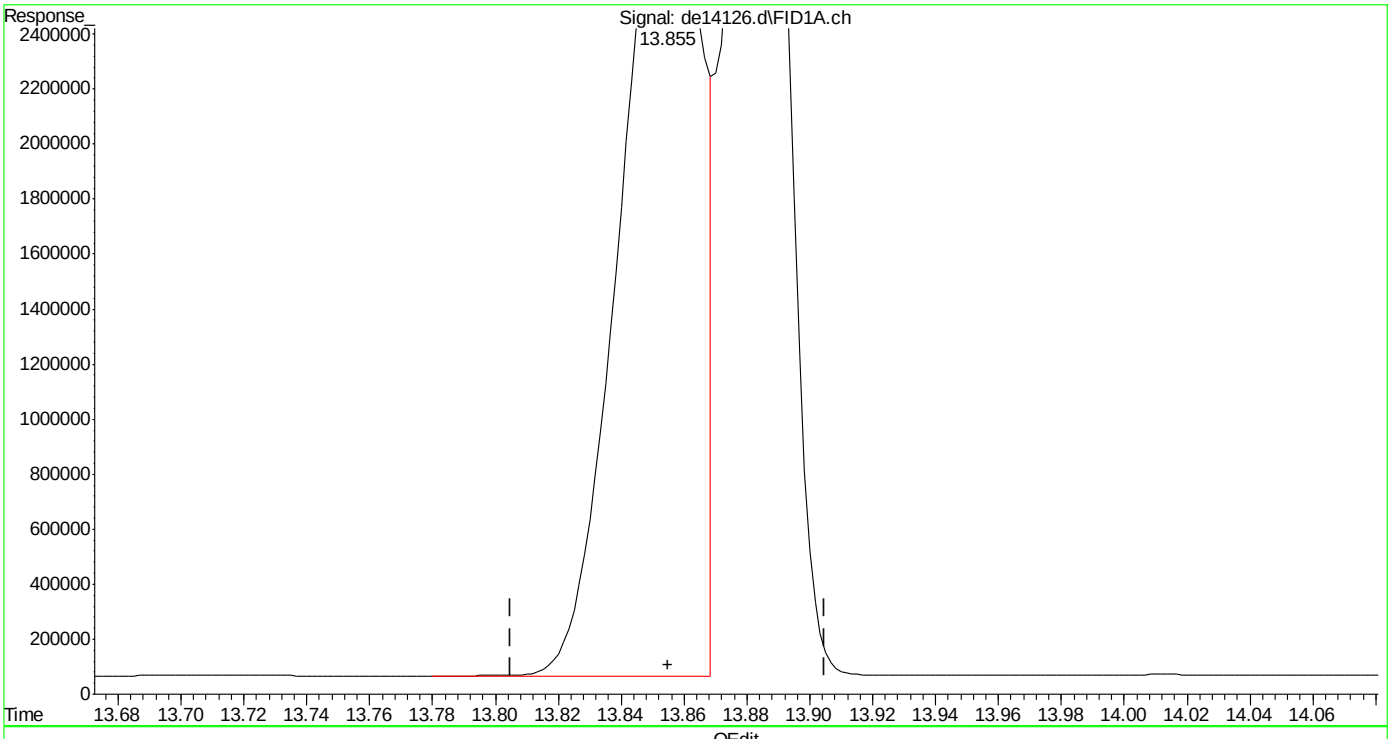
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14126.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 7:30 pm
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 19 08:05:01 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(16) benzo(B)fluoranthene
13.855min 54.742 µg/ml m
response 5419625

(+) = Expected Retention Time

EPH160518W.M Thu May 19 08:07:10 2016

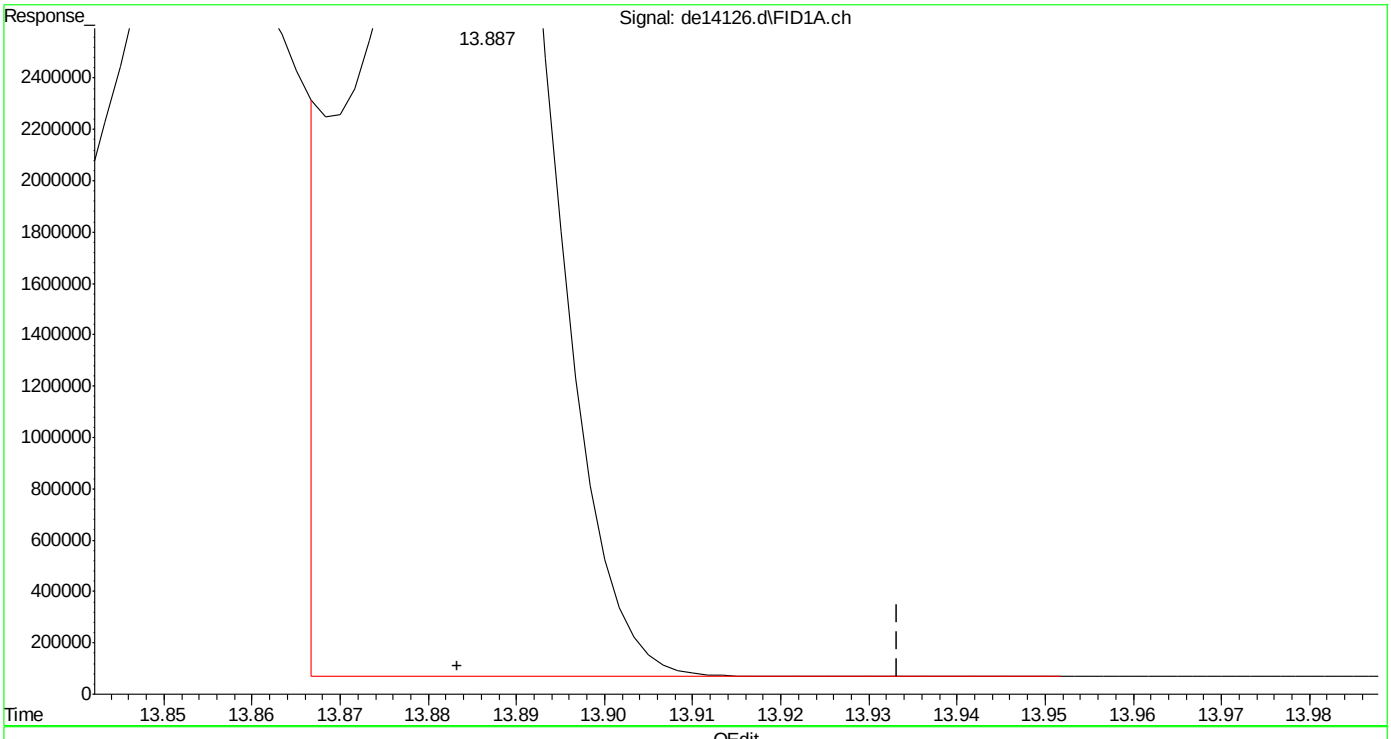
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14126.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 7:30 pm
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 19 08:05:01 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
13.887min 57.886 µg/ml
response 5470350

(+) = Expected Retention Time

EPH160518W.M Thu May 19 08:07:15 2016

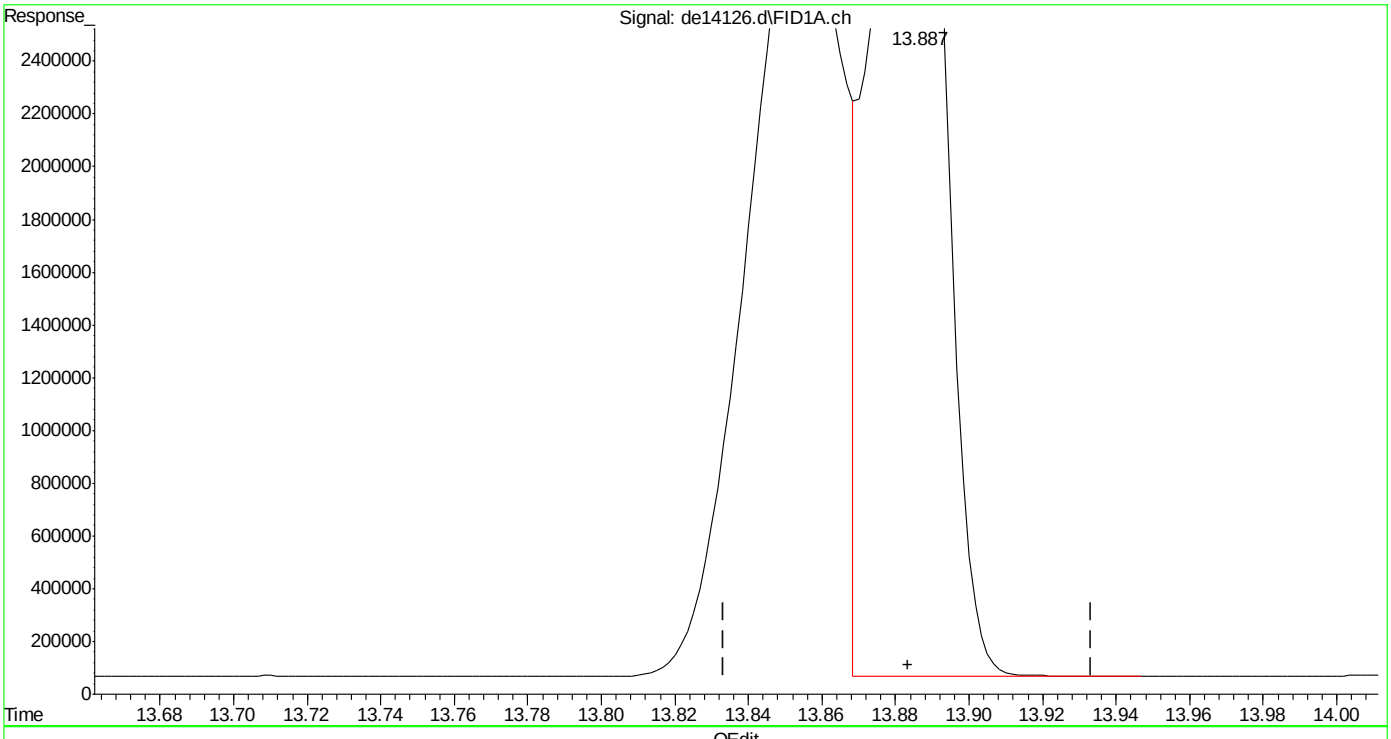
SGS ACCUTEST MC45857

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\DE160518EPH\
Data File : de14126.d
Signal(s) : Signal #1: FID1A.ch Signal #2: FID2B.ch
Acq On : 18 May 2016 7:30 pm
Operator : thomasa
Sample : cc735-50,gde792
Misc : op47424,gde792,11.00,,,2,,s
ALS Vial : 142 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p
Quant Time: May 19 08:05:01 2016
Quant Method : C:\msdchem\1\METHODS\EPH160518W.M
Quant Title : BMAEPH-working method
QLast Update : Wed May 18 09:30:07 2016
Response via : Initial Calibration
Integrator: RTE

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



(17) benzo(k)fluoranthene
13.887min 55.637 µg/ml m
response 5257880

(+) = Expected Retention Time
EPH160518W.M Thu May 19 08:07:38 2016

SGS ACCUTEST MC45857

Accutest Laboratories of New England, Inc.

Instrument: GC 32 (GCDE)

GC Analysis Log - Extractables

Run Date: 2-4-16

Analyst Signature: [signature]

Standard Data

Lot #	Description	Conc
	see comments	

Column Information: Front : RTX-5 Alternate:
Rear : RTX-5 Alternate:

Sequence File: ~~(DE160205EPH.S)~~ DE160204EPH.S

Quantitation Methods: ~~(10)~~ TAR ~~(EPH160205W.M)~~ EPH160204W.M

Instrument Run Batches: GDE ~~(735)~~ TAR 735

Data Acquisition Methods: EPH DCAW Inj. Vol: 1ml
Inj. Vol:

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments	
TAR ~~(1+1)~~ 1/2	DE13190	Primo	N/A	EPH	N/A	N/A	AI:	ARO
1/2	91	IC735-1					G518066	G518059
3/4	92	-2					65	58
5/6	93	-5					64	57
7/8	94	-20					63	56
9/10	95	ICC735-50					62	55
11/12	96	IC735-100					61	54
13/14	97	-200					60	53
15/16	DE 13198	ICV735-50					ICV=GOOD	ARO G518052 AI: G518009

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: N/A Lot#: N/A

Review:

GC011-01
Date: 02/26/07

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de13198.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	icv735-50

Name	Amount	Response
c-9	49.68	3669865
c-10	49.84	3682081
c-12	49.07	3625160
c-14	48.80	3605226
c-16	47.90	3538485
c-18	47.31	3494684
c-19	51.26	3424371
c-20	50.76	3390870
c-22	49.93	3335369
c-24	49.04	3275936
c-26	48.67	3251556
c-28	47.96	3204302
c-30	47.06	3143578
c-36	43.91	2933493

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	72052	73872	**2.50**	**In Criteria**
C19-C36	64899	66806	**2.90**	**In Criteria**

c28/c20 Percentage: 94.50

1-chlorooctadecane	52.48	2968966
naphthalene #2	50.53	4035939
2-methylnaphthalene	49.08	3954192

BMAEPH - Aliphatic Calibration

Instrument Name GCDE
Operator thomasa

	de13197.d	de13196.d	de13195.d	de13194.d	de13193.d	de13192.d	de13191.d
	200	100	50	20	5	2	1
c-9	13093571	7080731	3541836	1587594	396890	157422	76082
c-10	13149397	7121293	3570776	1597831	401630	158649	77300
c-12	12963152	7047399	3545795	1581613	398273	157764	76748
c-14	12790598	6951061	3516096	1563771	396429	157636	77909
c-16	12583573	6811631	3450251	1537180	389860	156773	78733
c-18	12493898	6758324	3414559	1515877	383929	154646	77956
Total Mass	1200	600	300	120	30	12	6
Total Area	77074189	41770439	21039313	9383866	2367011	942890	464728
RF	64228	69617	70131	78199	78900	78574	77455
Average RF	73872						
% RSD	7.31	**<25%**					
C9 -C18	14774429	**Inserted into 200 ppm level**					
c-19	12406524	6704725	3383527	1500139	381074	151034	78108
c-20	12189358	6591283	3319667	1468089	369620	148378	75638
c-22	12115679	6550653	3288115	1451343	364434	146070	73192
c-24	11324691	6102937	3065680	1351453	339349	135579	69851
c-26	12045195	6486501	3260990	1435543	359561	142920	72850
c-28	11646376	6270223	3155644	1385739	345810	137233	69399
c-30	11593413	6235140	3152151	1377048	345750	139197	74594
c-36	10854654	5572797	2883025	1222680	300895	119416	60516
Total Mass	1600	800	400	160	40	16	8
Total Area	94175890	50514259	25508799	11192034	2806493	1119827	574148
RF	58860	63143	63772	69950	70162	69989	71769
Aerage RF	66806						
% RSD	6.73	**<25%**					
C19-C36	13361285	**Inserted into 200 ppm level**					

Operator thomasa
Instrument Na GCDE

BMAEPH - Aromatic Calibration

	de13197.d 200	de13196.d 100	de13195.d 50	de13194.d 20	de13193.d 5	de13192.d 2	de13191.d 1
naphthalene	19450620	10142634	5345223	2162719	522941	205575	100885
2-methylnaphthalene	19131536	9997868	5287222	2136209	518620	205018	102950
acenaphthylene	18686177	9776029	5189849	2106441	513706	202426	99947
acenaphthene	19311298	10095451	5354326	2170607	524765	207471	101818
fluorene	18917157	9889893	5242546	2130652	515691	204542	100695
phenanthrene	18899419	9875264	5223164	2129143	514273	207031	101800
anthracene	17945874	9378790	4970359	2038508	492058	199105	96242
fluoranthene	18457513	9629565	5079973	2077039	501463	203479	103521
pyrene	18932497	9876553	5123787	2089957	505877	206224	105548
benzo(a)anthracene	17872955	9324427	4883350	2002764	484563	197822	100487
chrysene	18069681	9386529	4951740	2022589	488834	197927	100279
benzo(B)fluoranthene	18893122	9460698	4980192	2094779	499942	197572	100827
benzo(k)fluoranthene	16859064	9345183	4922694	1953249	474469	193855	95833
benzo(a)pyrene	17319408	8964794	4724847	1927552	464216	184685	94743
indeno(1,2,3-cd)pyrene	18670540	9240715	4854725	1948257	472235	186820	94483
dibenzo(ah)anthracene	16610466	8726656	4685536	1933263	466623	185980	92785
benzo(ghi)perylene	17523714	8869696	4705124	1916075	463653	184915	93453
Total Mass (Targets)	3400	1700	850	340	85	34	17
Total Area (Targets)	311551041	161980745	85524657	34839803	8423929	3370447	1686296
RF	91633	95283	100617	102470	99105	99131	99194
Average RF	98205						

% RSD **3.41** **<25%**
C11-C22 Aromatics **19640926** **Insert into 200ppm level**

SGS Accutest, Inc.

Instrument: GC 32 (DE)

GC Analysis Log - Extractables

Run Date: 5.18.16

Analyst Signature:

Standard Data

Lot #	Description	Conc
055	Air CCV	50ug/ml
055	Air CCV	50ug/ml

Column Information: Front: Pest RTX-5 Alternate:
Rear : Pest2 RTX-5 Alternate:

Sequence File: DE160518.S

Quantitation Methods: EPH160518W.M

Instrument Run Batches: GDE 792

Data Acquisition Methods: EPH DUAL W Inj. Vol: 1ul
Inj. Vol:

Date of ICAL: 2-4-16 ICAL Verified ✓ Sample positions verified against sequence: ✓

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
141/142	DE14 102	CCrinse	N/A	MA EPH	N/A	N/A	
141/142	03	CC735-50	↓	↓	↓	↓	Vials switched / ok
141/142	04	CC735-50	↓	↓	↓	↓	ok
1/2	05	OP47474-BS	OP47474	↓	W	↓	
3/4	06	↓ -BSD	↓	↓	↓	↓	
5/6	07	OP47484-BS	OP47484	↓	S	↓	
7/8	08	↓ -BSD	↓	↓	↓	↓	
9/10	09	↓ -MB	↓	↓	↓	↓	
11/12	10	OP47474-MB	OP47474	↓	W	↓	
13/14	11	MC45874-1	OP47484	↓	S	↓	
15/16	12	↓ -2	↓	↓	↓	↓	
17/18	13	↓ -3	↓	↓	↓	↓	
19/20	14	MC45857-1A	OP47474	↓	W	↓	
141/142	15	CC735-50	N/A	↓	N/A	↓	ok
21/22	16	MC45857-4A	OP47474	↓	W	↓	
23/24	17	↓ -5A	↓	↓	↓	↓	
25/26	18	MC45678-3	OP47484	↓	S	↓	
27/28	19	MC45694-1	↓	↓	↓	↓	
29/30	20	↓ -2	↓	↓	↓	↓	
31/32	21	↓ -3	↓	↓	↓	↓	
33/34	22	↓ -4	↓	↓	↓	↓	
35/36	23	MC45711-1	OP47474	↓	W	↓	
37/38	24	↓ -2	↓	↓	↓	↓	
39/40	25	↓ -3	↓	↓	↓	↓	
141/142	26	CC735-50	N/A	↓	N/A	↓	ok
41/42	27	MC45711-4	OP47474	↓	W	↓	
43/44	28	↓ -5	↓	↓	↓	↓	

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: N/A Lot#: N/A

GC014-01
Date: 9/15/10

Review:

9

SGS Accutest, Inc.

Page 2 of 3

Instrument: GC 32 (DE)

GC Analysis Log - Extractables

Run Date: 5.18.16

Analyst Signature:

Standard Data

Lot #	Description	Conc
	See	
	Page	
	1	

Column Information: Front: Pest RTX-5 Alternate:
Rear : Pest2 RTX-5 Alternate:

Sequence File:

Quantitation Methods:

Instrument Run Batches: See Page 1

Data Acquisition Methods: Inj. Vol:
Inj. Vol:

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext. Batch	Analysis	Matrix	Dilution	Comments
45/46	DE141~~03~~29	MC45711-6	OP47474	MA EPH	W	N.A	
47/48	~~03~~ 30	-7					
49/50	~~04~~ 31	-8					
51/52	~~05~~ 32	-9					
53/54	~~06~~ 33	-10					
55/56	~~07~~ 34	MC45903-1	OP47484		S		
57/58	~~08~~ 35	-2					
59/60	~~09~~ 36	-3					
143/144	~~10~~ 37	CC735-50	N.A		N.A		ok
61/62	~~11~~ 38	MC45903-4	OP47484		S		
63/64	~~12~~ 39	-5					
65/66	~~13~~ 40	-6					
67/68	~~14~~ 41	MC45752-1					
69/70	~~15~~ 42	-2					
71/72	~~16~~ 43	MC45753-1					
73/74	~~17~~ 44	-2					
75/76	~~18~~ 45	-3					
77/78	~~19~~ 46	OP47484-MS					
79/80	~~20~~ 47	-MSD					
143/144	~~21~~ 48	CC735-50	N.A		N.A		ok
81/82	~~22~~ 49	OP47530-BS	OP47530		S		
83/84	~~23~~ 50	-BSD					
85/86	~~24~~ 51	-MB					
87/88	~~25~~ 52	MC45941-1					
89/90	~~26~~ 53	-2					RR@ 10X
91/92	~~27~~ 54	-3					RR@ 5X
93/94	~~28~~ 55	MC45724-4 (5)					

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: N.A Lot#: N.A

GC014-01
Date: 9/15/10

Review:

10

9.5.2

9

SGS Accutest, Inc.

Page 3 of 3

Instrument: GC 32 (DE)

GC Analysis Log - Extractables

Run Date: 5.18.16

Analyst Signature:

Standard Data

Lot #	Description	Conc
	See Page 1	

Column Information: Front: Pest RTX-5 Alternate:
Rear : Pest2 RTX-5 Alternate:
Sequence File:
Quantitation Methods:
Instrument Run Batches: See Page 1
Data Acquisition Methods: Inj. Vol:
Inj. Vol:

Date of ICAL: ICAL Verified Sample positions verified against sequence:

Vial #	Data File ID	Sample ID	Ext.Batch	Analysis	Matrix	Dilution	Comments
95/96	DE14156	mL45724-5	OP47530	ma EPH	S	N/A	
97/98	57	OP45730-MS	↓	↓	↓	↓	
99/100	58	↓ -MSD	↓	↓	↓	↓	
143/144	59	CC735-50	N/A	↓	N/A	↓	OK
101/102	60	mL45941-2	OP47570	↓	S	1:90	
103/104	61	↓ -3	↓	↓	↓	1:5	
143/144	DE14162	CC735-50	N/A	↓	N/A	N/A	OK

MTX = Matrix: Designate **W** for water, **S** for soil, **O** for oil. Dilution Solvent: (Hex) DCM Lot#: (Hex) 162342

GC014-01
Date: 9/15/10

Review:

11

9.5.2 9

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14104.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	cc735-50,gde792

Name	Amount	Response
c-9	57.66	4259555
c-10	58.24	4302647
c-12	57.96	4281358
c-14	57.85	4273386
c-16	57.70	4262066
c-18	58.02	4286305
c-19	63.72	4257083
c-20	62.52	4176650
c-22	62.18	4154291
c-24	58.13	3883740
c-26	61.78	4126988
c-28	59.51	3975914
c-30	59.35	3964659
c-36	51.38	3432297

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	85551	73872	**14.65**	**In Criteria**
C19-C36	79929	66806	**17.89**	**In Criteria**
c28/c20 Percentage:			95.19	

1-chlorooctadecane	59.65	3374430
naphthalene #2	57.60	4600529
2-methylnaphthalene	57.12	4601796

9.5.2

9

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14115.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	cc735-50,gde792

Name	Amount	Response
c-9	54.16	4000760
c-10	54.67	4038635
c-12	54.17	4001673
c-14	53.71	3967509
c-16	53.11	3922983
c-18	52.94	3910636
c-19	57.97	3872967
c-20	56.78	3793134
c-22	56.12	3749208
c-24	52.14	3482985
c-26	55.09	3680147
c-28	52.88	3533056
c-30	52.58	3512451
c-36	46.77	3124612

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	79474	73872	**7.31**	**In Criteria**
C19-C36	71871	66806	**7.30**	**In Criteria**

c28/c20 Percentage: 93.14

1-chlorooctadecane	54.09	3060163
naphthalene #2	53.86	4302131
2-methylnaphthalene	53.24	4289263

9.5.2

9

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14126.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	cc735-50,gde792

Name	Amount	Response
c-9	52.79	3899563
c-10	53.24	3933196
c-12	52.88	3906710
c-14	52.68	3891746
c-16	52.39	3870122
c-18	52.62	3887502
c-19	57.83	3863603
c-20	56.84	3797064
c-22	56.60	3781508
c-24	53.04	3543148
c-26	56.49	3774040
c-28	54.58	3646575
c-30	54.51	3641643
c-36	49.43	3302036

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	77963	73872	**5.39**	**In Criteria**
C19-C36	73374	66806	**9.37**	**In Criteria**
c28/c20 Percentage:			96.04	

1-chlorooctadecane	54.32	3073019
naphthalene #2	52.56	4198388
2-methylnaphthalene	52.09	4196363

9.5.2

9

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14137.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	cc735-50,gde792

Name	Amount	Response
c-9	54.92	4056702
c-10	55.21	4078391
c-12	54.62	4034724
c-14	54.17	4001998
c-16	53.65	3963430
c-18	53.62	3961362
c-19	58.83	3930032
c-20	57.70	3854715
c-22	57.32	3829591
c-24	53.52	3575271
c-26	56.92	3802525
c-28	54.88	3666532
c-30	54.65	3650785
c-36	49.18	3285554

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	80322	73872	**8.37**	**In Criteria**
C19-C36	73988	66806	**10.20**	**In Criteria**

c28/c20 Percentage: 95.12

1-chlorooctadecane	55.13	3118726
naphthalene #2	54.43	4347523
2-methylnaphthalene	53.74	4329776

9.5.2

9

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14148.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	cc735-50,gde792

Name	Amount	Response
c-9	54.25	4007534
c-10	54.67	4038682
c-12	54.14	3999737
c-14	53.84	3977079
c-16	53.35	3941018
c-18	53.48	3950450
c-19	58.73	3923485
c-20	57.67	3853023
c-22	57.45	3837703
c-24	53.66	3584964
c-26	57.08	3813038
c-28	55.12	3682474
c-30	55.05	3677443
c-36	49.97	3338500

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	79715	73872	**7.61**	**In Criteria**
C19-C36	74277	66806	**10.59**	**In Criteria**

c28/c20 Percentage: 95.57

1-chlorooctadecane	55.04	3113763
naphthalene #2	53.91	4306168
2-methylnaphthalene	53.32	4295790

9.5.2

9

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14159.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	cc735-50,gde792

Name	Amount	Response
c-9	54.22	4005540
c-10	54.75	4044315
c-12	54.17	4001536
c-14	53.70	3966806
c-16	53.25	3933775
c-18	53.48	3951030
c-19	58.77	3926188
c-20	57.75	3858355
c-22	57.59	3847705
c-24	53.99	3606652
c-26	57.52	3842843
c-28	55.57	3712162
c-30	55.53	3709910
c-36	50.78	3392540

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	79677	73872	**7.56**	**In Criteria**
C19-C36	74741	66806	**11.21**	**In Criteria**
c28/c20 Percentage:			96.21	

1-chlorooctadecane	55.13	3119032
naphthalene #2	54.04	4316000
2-methylnaphthalene	53.35	4298086

BMAEPH - Aliphatic Continuing Calibration Report

Data File Name	de14162.d
Operator	thomasa
Instrument Name	GCDE
Sample Name	ecc735-50,gde792

Name	Amount	Response
c-9	58.53	4323667
c-10	59.02	4359916
c-12	58.17	4297429
c-14	57.36	4237659
c-16	56.51	4174471
c-18	56.43	4168552
c-19	61.82	4129867
c-20	60.59	4047775
c-22	59.98	4007045
c-24	55.89	3733514
c-26	59.21	3955725
c-28	57.01	3808454
c-30	56.71	3788572
c-36	50.85	3397175

	Continuing Avg. RF	Initial Avg. RF	%Diff	
C9-C18	85206	73872	**14.25**	**In Criteria**
C19-C36	77170	66806	**14.40**	**In Criteria**

c28/c20 Percentage: 94.09

1-chlorooctadecane	57.80	3269988
naphthalene #2	58.05	4636834
2-methylnaphthalene	57.27	4614359

BMAEPH - BS/BSD Report

Operator thomasa
Instrument Name GCDE
Sample Name op47474-bs

Aromatic Recovery

Name		Amount	Spiked	Recovery	Outside Limits?
naphthalene		15.96	50	63.86	
2-methylnaphthalene		15.98	50	63.93	
2-fluorobiphenyl	s	18.00	40	89.99	
acenaphthylene		16.30	50	65.21	
2-bromonaphthalene	s	17.13	40	85.65	
acenaphthene		18.19	50	72.77	
fluorene		17.39	50	69.57	
phenanthrene		18.39	50	73.55	
anthracene		21.33	50	85.31	
o-terphenyl	s	17.55	40	87.77	
fluoranthene		21.12	50	84.50	
pyrene		21.10	50	84.38	
benzo(a)anthracene		22.04	50	88.16	
chrysene		22.17	50	88.70	
benzo(B)fluoranthene		21.59	50	86.35	
benzo(k)fluoranthene		22.23	50	88.92	
benzo(a)pyrene		22.38	50	89.51	
indeno(1,2,3-cd)pyrene		21.73	50	86.90	
dibenzo(ah)anthracene		22.37	50	89.47	
benzo(ghi)perylene		22.45	50	89.81	

Aliphatic Recovery Name		Amount	Spiked	Recovery	Outside Limits?
c-9		12.21	50	48.85	
c-10		14.66	50	58.63	
c-12		15.75	50	63.02	
c-14		15.85	50	63.41	
c-16		16.74	50	66.96	
c-18		18.88	50	75.51	
c-19		21.51	50	86.04	
c-20		21.83	50	87.31	
1-chlorooctadecane	s	15.19	40	75.97	
c-22		22.14	50	88.55	
c-24		22.01	50	88.06	
c-26		21.61	50	86.44	
c-28		21.30	50	85.21	
c-30		21.17	50	84.70	
c-36		17.43	50	69.71	

Recovery C9-C18
62.73

Recovery C19-C36
84.50

naphthalene #2	0.08	**Naphthalene Breakthrough**	**2-Methylnaphthalene Breakthrough**
2-methylnaphthalene #2	0.08	0.52	0.50

BMAEPH - BS/BSD Report

Operator thomasa
Instrument Name GCDE
Sample Name op47474-bsd

Aromatic Recovery

Name		Amount	Spiked	Recovery	Outside Limits?
naphthalene		13.53	50	54.12	
2-methylnaphthalene		14.28	50	57.12	
2-fluorobiphenyl	s	17.39	40	86.95	
acenaphthylene		15.10	50	60.39	
2-bromonaphthalene	s	16.32	40	81.59	
acenaphthene		17.18	50	68.71	
fluorene		16.70	50	66.81	
phenanthrene		18.31	50	73.25	
anthracene		21.05	50	84.20	
o-terphenyl	s	16.96	40	84.79	
fluoranthene		21.62	50	86.49	
pyrene		21.68	50	86.70	
benzo(a)anthracene		22.70	50	90.80	
chrysene		22.98	50	91.94	
benzo(B)fluoranthene		22.91	50	91.65	
benzo(k)fluoranthene		22.71	50	90.85	
benzo(a)pyrene		23.38	50	93.51	
indeno(1,2,3-cd)pyrene		23.01	50	92.06	
dibenzo(ah)anthracene		23.17	50	92.69	
benzo(ghi)perylene		23.57	50	94.30	

Aliphatic Recovery Name		Amount	Spiked	Recovery	Outside Limits?
c-9		10.00	50	40.00	
c-10		11.92	50	47.69	
c-12		13.56	50	54.23	
c-14		14.23	50	56.90	
c-16		15.59	50	62.37	
c-18		18.22	50	72.88	
c-19		21.17	50	84.69	
c-20		21.72	50	86.89	
1-chlorooctadecane	s	15.30	40	76.52	
c-22		22.23	50	88.91	
c-24		22.14	50	88.57	
c-26		21.72	50	86.89	
c-28		21.47	50	85.90	
c-30		21.33	50	85.30	
c-36		17.97	50	71.88	

Recovery C9-C18
55.68

Recovery C19-C36
84.88

naphthalene #2	0.06	**Naphthalene Breakthrough**	**2-Methylnaphthalene Breakthrough**
2-methylnaphthalene #2	0.07	0.48	0.47

BMAEPH - BS/BSD Report

Operator thomasa
Instrument Name GCDE
Sample Name op47484-bs

Aromatic Recovery

Name		Amount	Spiked	Recovery	Outside Limits?
naphthalene		14.41	50	57.63	
2-methylnaphthalene		14.70	50	58.82	
2-fluorobiphenyl	s	16.14	40	80.69	
acenaphthylene		15.34	50	61.35	
2-bromonaphthalene	s	15.37	40	76.85	
acenaphthene		16.81	50	67.24	
fluorene		16.37	50	65.49	
phenanthrene		17.00	50	68.02	
anthracene		19.16	50	76.65	
o-terphenyl	s	15.78	40	78.91	
fluoranthene		19.02	50	76.08	
pyrene		19.11	50	76.42	
benzo(a)anthracene		19.90	50	79.60	
chrysene		20.08	50	80.32	
benzo(B)fluoranthene		20.40	50	81.58	
benzo(k)fluoranthene		19.67	50	78.66	
benzo(a)pyrene		20.66	50	82.62	
indeno(1,2,3-cd)pyrene		20.51	50	82.05	
dibenzo(ah)anthracene		20.44	50	81.76	
benzo(ghi)perylene		20.90	50	83.59	

Aliphatic Recovery Name		Amount	Spiked	Recovery	Outside Limits?
c-9		13.77	50	55.08	
c-10		15.64	50	62.55	
c-12		16.60	50	66.41	
c-14		16.78	50	67.11	
c-16		17.50	50	69.99	
c-18		18.83	50	75.33	
c-19		20.74	50	82.97	
c-20		21.17	50	84.68	
1-chlorooctadecane	s	12.97	40	64.85	
c-22		21.38	50	85.51	
c-24		21.20	50	84.79	
c-26		20.68	50	82.73	
c-28		20.14	50	80.57	
c-30		18.81	50	75.24	
c-36		10.34	50	41.36	

Recovery C9-C18
66.08

Recovery C19-C36
77.23

naphthalene #2	0.06	**Naphthalene Breakthrough**	**2-Methylnaphthalene Breakthrough**
2-methylnaphthalene #2	0.05	0.39	0.36

BMAEPH - BS/BSD Report

Operator thomasa
Instrument Name GCDE
Sample Name op47484-bsd

Aromatic Recovery Name		Amount	Spiked	Recovery	Outside Limits?
naphthalene		13.65	50	54.58	
2-methylnaphthalene		13.65	50	54.62	
2-fluorobiphenyl	s	14.11	40	70.57	
acenaphthylene		14.01	50	56.03	
2-bromonaphthalene	s	13.53	40	67.66	
acenaphthene		15.31	50	61.25	
fluorene		14.82	50	59.29	
phenanthrene		15.11	50	60.43	
anthracene		17.29	50	69.16	
o-terphenyl	s	14.64	40	73.21	
fluoranthene		17.41	50	69.64	
pyrene		17.38	50	69.54	
benzo(a)anthracene		18.57	50	74.30	
chrysene		18.51	50	74.06	
benzo(B)fluoranthene		18.21	50	72.86	
benzo(k)fluoranthene		19.35	50	77.38	
benzo(a)pyrene		19.32	50	77.30	
indeno(1,2,3-cd)pyrene		19.00	50	76.00	
dibenzo(ah)anthracene		19.60	50	78.42	
benzo(ghi)perylene		19.69	50	78.76	

Aliphatic Recovery Name		Amount	Spiked	Recovery	Outside Limits?
c-9		16.35	50	65.41	
c-10		18.57	50	74.29	
c-12		19.56	50	78.24	
c-14		19.62	50	78.46	
c-16		19.78	50	79.11	
c-18		21.33	50	85.31	
c-19		23.67	50	94.67	
c-20		24.23	50	96.91	
1-chlorooctadecane	s	13.34	40	66.69	
c-22		24.42	50	97.70	
c-24		24.18	50	96.72	
c-26		23.58	50	94.33	
c-28		22.89	50	91.58	
c-30		20.84	50	83.36	
c-36		9.18	50	36.71	

Recovery C9-C18
76.80

Recovery C19-C36
86.50

naphthalene #2	0.07	**Naphthalene Breakthrough**	**2-Methylnaphthalene Breakthrough**
2-methylnaphthalene #2	0.06	0.53	0.42

BMAEPH - BS/BSD Report

Operator thomasa
Instrument Name GCDE
Sample Name op47530-bs

Aromatic Recovery Name		Amount	Spiked	Recovery	Outside Limits?
naphthalene		16.98	50	67.92	
2-methylnaphthalene		17.60	50	70.38	
2-fluorobiphenyl	s	15.93	40	79.65	
acenaphthylene		18.89	50	75.55	
2-bromonaphthalene	s	15.17	40	75.86	
acenaphthene		20.73	50	82.91	
fluorene		19.85	50	79.39	
phenanthrene		20.00	50	80.00	
anthracene		22.18	50	88.72	
o-terphenyl	s	18.80	40	94.01	
fluoranthene		21.97	50	87.89	
pyrene		21.88	50	87.52	
benzo(a)anthracene		22.60	50	90.39	
chrysene		22.58	50	90.31	
benzo(B)fluoranthene		24.04	50	96.16	
benzo(k)fluoranthene		21.74	50	86.95	
benzo(a)pyrene		23.52	50	94.06	
indeno(1,2,3-cd)pyrene		23.69	50	94.74	
dibenzo(ah)anthracene		23.62	50	94.47	
benzo(ghi)perylene		24.02	50	96.07	

Aliphatic Recovery Name		Amount	Spiked	Recovery	Outside Limits?
c-9		18.87	50	75.48	
c-10		21.58	50	86.31	
c-12		22.77	50	91.08	
c-14		23.46	50	93.84	
c-16		23.78	50	95.13	
c-18		24.06	50	96.23	
c-19		26.31	50	105.22	
c-20		25.87	50	103.49	
1-chlorooctadecane	s	12.02	40	60.09	
c-22		25.45	50	101.81	
c-24		25.13	50	100.51	
c-26		24.60	50	98.39	
c-28		24.31	50	97.26	
c-30		24.18	50	96.73	
c-36		21.13	50	84.53	

Recovery C9-C18
89.68

Recovery C19-C36
98.49

naphthalene #2	0.00	**Naphthalene Breakthrough**	**2-Methylnaphthalene Breakthrough**
2-methylnaphthalene #2	0.00	0.00	0.00

BMAEPH - BS/BSD Report

Operator thomasa
Instrument Name GCDE
Sample Name op47530-bsd

Aromatic Recovery

Name		Amount	Spiked	Recovery	Outside Limits?
naphthalene		12.91	50	51.66	
2-methylnaphthalene		13.49	50	53.98	
2-fluorobiphenyl	s	12.88	40	64.39	
acenaphthylene		15.05	50	60.22	
2-bromonaphthalene	s	11.96	40	59.81	
acenaphthene		16.24	50	64.97	
fluorene		16.70	50	66.79	
phenanthrene		18.01	50	72.02	
anthracene		20.07	50	80.29	
o-terphenyl	s	17.44	40	87.22	
fluoranthene		20.95	50	83.81	
pyrene		20.83	50	83.34	
benzo(a)anthracene		21.64	50	86.58	
chrysene		21.60	50	86.39	
benzo(B)fluoranthene		22.95	50	91.81	
benzo(k)fluoranthene		21.75	50	87.01	
benzo(a)pyrene		22.95	50	91.82	
indeno(1,2,3-cd)pyrene		22.92	50	91.69	
dibenzo(ah)anthracene		23.29	50	93.17	
benzo(ghi)perylene		23.51	50	94.03	

Aliphatic Recovery Name		Amount	Spiked	Recovery	Outside Limits?
c-9		14.39	50	57.55	
c-10		16.26	50	65.04	
c-12		16.99	50	67.94	
c-14		17.50	50	70.02	
c-16		18.26	50	73.03	
c-18		18.79	50	75.16	
c-19		20.64	50	82.54	
c-20		20.38	50	81.51	
1-chlorooctadecane	s	9.80	40	49.01	
c-22		20.31	50	81.23	
c-24		20.20	50	80.80	
c-26		19.98	50	79.91	
c-28		19.91	50	79.63	
c-30		19.94	50	79.78	
c-36		17.33	50	69.31	

Recovery C9-C18
68.12

Recovery C19-C36
79.34

naphthalene #2	0.00	**Naphthalene Breakthrough**	**2-Methylnaphthalene Breakthrough**
2-methylnaphthalene #2	0.00	0.00	0.00

BMAEPH - PAH Dillution

			Enter mL or g
Operator:	thomasa	Smpl.Vol	11.06
Instrument Name:	GCDE	Fin.Vol.	2
Sample Name:	mc45941-2,op4	%sol	88.5
Data File Name:	de14153.d		
Sample Multiplier:	1		
Reporting Limit:	2.5		

NAME		RESPONSE	AMOUNT	Include in Total?	Subtracted
c11-c22 Aromatics (Unadj.)		2131442321	21704.09	Y	5450000.00 *
naphthalene		3128603	30.33	Y	6198.04
2-methylnaphthalene		30142400	294.12	Y	55700.00 *
2-fluorobiphenyl	s	7373863	79.95	N	0.00
acenaphthylene		12776344	127.00	Y	25949.75
2-bromonaphthalene	s	6812825	108.56	N	0.00
acenaphthene		7189166	69.54	Y	14209.83
fluorene		3425786	33.73	Y	6891.87
phenanthrene		5581145	54.84	Y	11206.38
anthracene		2861486	29.50	Y	6027.20
o-terphenyl	s	5635940	55.02	N	0.00
fluoranthene		0	0.00	Y	0.00
pyrene		0	0.00	Y	0.00
benzo(a)anthracene		0	0.00	Y	0.00
chrysene		0	0.00	Y	0.00
benzo(B)fluoranthene		0	0.00	Y	0.00
benzo(k)fluoranthene		0	0.00	Y	0.00
benzo(a)pyrene		0	0.00	Y	0.00
indeno(1,2,3-cd)pyrene		0	0.00	Y	0.00
dibenzo(ah)anthracene		0	0.00	Y	0.00
benzo(ghi)perylene		0	0.00	Y	0.00

Total Target Aromatics: 126183

Unadjusted Total Aromatics: 5450000
Adjusted Total Aromatics: 5323816.919 put this in L

* from de14160

SGS ACCUTEST

Extraction Log - Aqueous

Analysis Method: BMAEPHR, BMAEPH

Date Started: _____ **Time Started:** _____

Date Finished: _____ **Time Finished:** _____

Extraction Method (Check one):

Sep. Funnel SW3510C √

Waste Dilution SW3580A _____ MSE EPA 3511 _____

pH paper lot# 216814 Equipment ID Used _____

Spike ID	Lot #	Conc. (ug/ml)	Vol. (ul)
EPH	7653	200	250

Surrogate	Lot #	Conc. (ug/ml)	Vol. (ul)
EPH	7483	2000	20
FNL	07661	40	1mL

	Sample #	Sample Bottle #	Acid pH	Base pH	Sample Description	Sample Initial Volume (mL)	Final Extract Final Volume (mL)	Comments
	OP47474 - MB	N/A	2	N/A	DI Water	1000	2.0	
	BS							
	BSD							
	MS							
	MSD							
1	MC45857 -1A	4	2	N/A	GW	880	2.0	
2	-4A	5				950		
3	-5A	5				890		
4	MC45711 - 1	5			GW	1000		
5	-2	5				990		
6	-3	4				980		
7	-4	4				980		
8	-5	5				1000		
9	-6	4				880		
10	-7	5				990		
11	-8	4				1000		
12	-9	4				980		
13	-10	5				990		
14								
15								
16								
17								
18								
19								
20								

Comments:

Witness Initials:

Supervisor Approval:

Clean up Methods: Check
Copper: 3660B
Silica: 3630
Florisil: 3620
Acid: 3665

BATCH # OP47474	INITIALS	DATE	TIME
Extracted by:	IC	5/13/16	20:30
Spike Witness:			
Concentrated by:	PA	5/17/16	
Fractionated by:		Volume (ml):	
Received by:			

Tray # LC-33

Equipment/ Range	ID	Temp (°C)	Press/Flow
Buchi (55-71 °C)			
Waterbath Temp °C	08054, 08052	75/50	
NEVAP (32-38 °C)	08005	38/40	
Chiller			
Balance		N/A	N/A

SOLVENT	LOT #	BRAND	AMT
1:1 HEXANE/		Fisher	
ACETONE		Fisher	
1:1 METH CHLOR/		Fisher	
ACETONE		Fisher	
HEXANE Only	162040	Fisher	
ETHER		Fisher	
ACETONITRILE		Fisher	
ACETONE		Fisher	
DCM	162641	Fisher	

REAGENT	LOT #	BRAND
SPE MFG	3062895	Restek
SILICA GEL		
SODIUM SULFATE	D-020	FISHER
FILTER PAPER	966841	↓
COPPER		
FLORISIL		
SULFURIC ACID		
HYDROMATRIX		
SAND		

Filtered by: Init./Date:

SGS ACCUTEST - MARLBOROUGH
Form: OP018-02
Rev Date: 2/23/16