ANALYTICAL REPORT

Job Number: 680-87279-2

SDG Number: 68087279-2

Job Description: 35th Avenue Superfund Site

For:
Oneida Total Integrated Enterprises LLC
1220 Kennestone Circle
Suite 106
Marietta, GA 30060

Attention: Ms. Limari F Krebs

Approved for release.
Bernard Kirkland
Project Manager I
2/20/2013 2:19 PM

Designee for
Lisa Harvey
Project Manager II
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02/20/2013

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CASE NARRATIVE

Client: Oneida Total Integrated Enterprises LLC

Project: 35th Avenue Superfund Site

Report Number: 680-87279-2

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 02/08/2013; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.8 C.

SEMIVOLATILE ORGANIC COMPOUNDS BY GCMS - LOW LEVEL

Samples CV0748VV-CS (680-87279-21), CV0748AAA-CS (680-87279-23), CV0748CCC-CS (680-87279-24), CV0748EEE-CS (680-87279-25), CV0748FFF-CS (680-87279-26), CV0748KKK-CS (680-87279-27), CV0748III-CS (680-87279-28), CV0748JJJ-CS (680-87279-29) and CV0748AF-GS (680-87279-31) were analyzed for Semivolatile Organic Compounds by GCMS - Low Level in accordance with EPA SW-846 Method 8270C. The samples were prepared on 02/14/2013 and analyzed on 02/15/2013 and 02/18/2013.

Sample CV0748CCC-CS (680-87279-24)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Benzo[k]fluoranthene exceeded the rpd limit for the MSD of sample 680-87279-6 in batch 660-134532.

No other difficulties were encountered during the Semivolatile Organic Compounds by GCMS - Low Level analyses.

All other quality control parameters were within the acceptance limits.

SAMPLE SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87279-2
Sdg Number: 68087279-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
680-87279-21	CV0748VV-CS	Solid	02/06/2013 1354	02/08/2013 0916
680-87279-21MS	CV0748VV-CS	Solid	02/06/2013 1354	02/08/2013 0916
680-87279-21MSD	CV0748VV-CS	Solid	02/06/2013 1354	02/08/2013 0916
680-87279-23	CV0748AAA-CS	Solid	02/06/2013 1445	02/08/2013 0916
680-87279-24	CV0748CCC-CS	Solid	02/06/2013 1508	02/08/2013 0916
680-87279-25	CV0748EEE-CS	Solid	02/06/2013 1517	02/08/2013 0916
680-87279-26	CV0748FFF-CS	Solid	02/06/2013 1521	02/08/2013 0916
680-87279-27	CV0748KKK-CS	Solid	02/06/2013 1638	02/08/2013 0916
680-87279-28	CV0748III-CS	Solid	02/06/2013 1546	02/08/2013 0916
680-87279-29	CV0748JJJ-CS	Solid	02/06/2013 1627	02/08/2013 0916
680-87279-31	CV0748AF-GS	Solid	02/06/2013 1537	02/08/2013 0916

METHOD SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87279-2
Sdg Number: 68087279-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Semivolatile Organic Compounds by GCMS - Low Levels	TAL TAM	SW846 8270C LL	
Microwave Extraction	TAL TAM		SW846 3546
Percent Moisture	TAL TAM	EPA Moisture	

Lab References:

TAL TAM = TestAmerica Tampa

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87279-2
Sdg Number: 68087279-2

Method	Analyst	Analyst ID
SW846 8270C LL	Cantin, Stephen C	SCC
EPA Moisture	Galio, Andrew	AG

DATA REPORTING QUALIFIERS

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87279-2
Sdg Number: 68087279-2

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates the analyte was analyzed for but not detected.
	J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
	F	RPD of the MS and MSD exceeds the control limits

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87279-2
Sdg Number: 68087279-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 660-134455					
LCS 660-134455/2-A	Lab Control Sample	T	Solid	3546	
MB 660-134455/1-A	Method Blank	T	Solid	3546	
680-87279-A-6-B MS	Matrix Spike	T	Solid	3546	
680-87279-A-6-C MSD	Matrix Spike Duplicate	T	Solid	3546	
680-87279-23	CV0748AAA-CS	T	Solid	3546	
680-87279-24	CV0748CCC-CS	T	Solid	3546	
680-87279-25	CV0748EEE-CS	T	Solid	3546	
680-87279-26	CV0748FFF-CS	T	Solid	3546	
680-87279-27	CV0748KKK-CS	T	Solid	3546	
680-87279-28	CV0748III-CS	T	Solid	3546	
680-87279-29	CV0748JJJ-CS	T	Solid	3546	
680-87279-31	CV0748AF-GS	T	Solid	3546	
Prep Batch: 660-134472					
LCS 660-134472/2-A	Lab Control Sample	T	Solid	3546	
MB 660-134472/1-A	Method Blank	T	Solid	3546	
680-87279-21	CV0748VV-CS	T	Solid	3546	
680-87279-21MS	Matrix Spike	T	Solid	3546	
680-87279-21MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:660-134530					
LCS 660-134472/2-A	Lab Control Sample	T	Solid	8270C LL	660-134472
MB 660-134472/1-A	Method Blank	T	Solid	8270C LL	660-134472
680-87279-21	CV0748VV-CS	T	Solid	8270C LL	660-134472
680-87279-21MS	Matrix Spike	T	Solid	8270C LL	660-134472
680-87279-21MSD	Matrix Spike Duplicate	T	Solid	8270C LL	660-134472
Analysis Batch:660-134532					
LCS 660-134455/2-A	Lab Control Sample	T	Solid	8270C LL	660-134455
MB 660-134455/1-A	Method Blank	T	Solid	8270C LL	660-134455
680-87279-A-6-B MS	Matrix Spike	T	Solid	8270C LL	660-134455
680-87279-A-6-C MSD	Matrix Spike Duplicate	T	Solid	8270C LL	660-134455
680-87279-24	CV0748CCC-CS	T	Solid	8270C LL	660-134455
680-87279-27	CV0748KKK-CS	T	Solid	8270C LL	660-134455
680-87279-28	CV0748III-CS	T	Solid	8270C LL	660-134455
680-87279-31	CV0748AF-GS	T	Solid	8270C LL	660-134455
Analysis Batch:660-134598					
680-87279-23	CV0748AAA-CS	T	Solid	8270C LL	660-134455
680-87279-25	CV0748EEE-CS	T	Solid	8270C LL	660-134455
680-87279-26	CV0748FFF-CS	T	Solid	8270C LL	660-134455
680-87279-29	CV0748JJJ-CS	T	Solid	8270C LL	660-134455

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87279-2
Sdg Number: 68087279-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Report Basis					
T = Total					
General Chemistry					
Analysis Batch:660-134338					
LCS 660-134338/1	Lab Control Sample	T	Solid	Moisture	
680-87279-21	CV0748VV-CS	T	Solid	Moisture	
680-87279-21MS	Matrix Spike	T	Solid	Moisture	
680-87279-21MSD	Matrix Spike Duplicate	T	Solid	Moisture	
680-87279-23	CV0748AAA-CS	T	Solid	Moisture	
680-87279-24	CV0748CCC-CS	T	Solid	Moisture	
680-87279-25	CV0748EEE-CS	T	Solid	Moisture	
680-87279-26	CV0748FFF-CS	T	Solid	Moisture	
680-87279-27	CV0748KKK-CS	T	Solid	Moisture	
680-87279-28	CV0748III-CS	T	Solid	Moisture	
680-87279-29	CV0748JJJ-CS	T	Solid	Moisture	
680-87279-31	CV0748AF-GS	T	Solid	Moisture	

Report Basis
T = Total

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMA5973 Analysis Batch Number: 133924

Lab Sample ID: ICIS 660-133924/3 Client Sample ID:

Date Analyzed: 01/30/13 11:38 Lab File ID: 1AA30003.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.43	Split Peak	cantins	01/30/13 12:17

Lab Sample ID: IC 660-133924/4 Client Sample ID:

Date Analyzed: 01/30/13 12:04 Lab File ID: 1AA30004.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenanthrene	4.51	Baseline Event	cantins	01/30/13 13:28
Indeno[1,2,3-cd]pyrene	8.43	Split Peak	cantins	01/30/13 13:28

Lab Sample ID: IC 660-133924/5 Client Sample ID:

Date Analyzed: 01/30/13 12:19 Lab File ID: 1AA30005.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.41	Split Peak	cantins	01/30/13 13:29

Lab Sample ID: IC 660-133924/6 Client Sample ID:

Date Analyzed: 01/30/13 12:34 Lab File ID: 1AA30006.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.41	Split Peak	cantins	01/30/13 13:29

Lab Sample ID: IC 660-133924/7 Client Sample ID:

Date Analyzed: 01/30/13 12:49 Lab File ID: 1AA30007.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.42	Split Peak	cantins	01/30/13 13:30

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMA5973 Analysis Batch Number: 133924

Lab Sample ID: IC 660-133924/8 Client Sample ID:

Date Analyzed: 01/30/13 13:04 Lab File ID: 1AA30008.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.42	Split Peak	cantins	01/30/13 13:30

Lab Sample ID: IC 660-133924/9 Client Sample ID:

Date Analyzed: 01/30/13 13:20 Lab File ID: 1AA30009.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.42	Split Peak	cantins	01/30/13 13:32

Lab Sample ID: ICV 660-133924/10 Client Sample ID:

Date Analyzed: 01/30/13 13:35 Lab File ID: 1AA30010.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Carbazole	4.70	Baseline Event	cantins	01/30/13 13:47
Indeno[1,2,3-cd]pyrene	8.42	Split Peak	cantins	01/30/13 13:47

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMA5973 Analysis Batch Number: 134532

Lab Sample ID: CCVIS 660-134532/8 Client Sample ID:

Date Analyzed: 02/15/13 15:21 Lab File ID: 1AB15006.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.24	Split Peak	cantins	02/15/13 15:35

Lab Sample ID: LCS 660-134455/2-A Client Sample ID:

Date Analyzed: 02/15/13 16:07 Lab File ID: 1AB15009.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.23	Split Peak	cantins	02/18/13 11:09

Lab Sample ID: 680-87279-A-6-B MS Client Sample ID:

Date Analyzed: 02/15/13 16:37 Lab File ID: 1AB15011.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.23	Split Peak	cantins	02/18/13 11:12

Lab Sample ID: 680-87279-A-6-C MSD Client Sample ID:

Date Analyzed: 02/15/13 16:52 Lab File ID: 1AB15012.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	8.24	Split Peak	cantins	02/18/13 11:12

Lab Sample ID: 680-87279-24 Client Sample ID: CV0748CCC-CS

Date Analyzed: 02/15/13 18:23 Lab File ID: 1AB15018.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	7.23	Split Peak	cantins	02/18/13 11:19
Benzo[k]fluoranthene	7.24	Baseline Event	cantins	02/18/13 11:19
Indeno[1,2,3-cd]pyrene	8.24	Split Peak	cantins	02/18/13 11:19

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMA5973 Analysis Batch Number: 134532

Lab Sample ID: 680-87279-27 Client Sample ID: CV0748KKK-CS

Date Analyzed: 02/15/13 19:08 Lab File ID: 1AB15021.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	7.23	Split Peak	cantins	02/18/13 11:20
Benzo[k]fluoranthene	7.24	Baseline Event	cantins	02/18/13 11:20
Indeno[1,2,3-cd]pyrene	8.24	Split Peak	cantins	02/18/13 11:21

Lab Sample ID: 680-87279-28 Client Sample ID: CV0748III-CS

Date Analyzed: 02/15/13 19:23 Lab File ID: 1AB15022.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	7.23	Split Peak	cantins	02/18/13 11:22
Benzo[k]fluoranthene	7.24	Baseline Event	cantins	02/18/13 11:22
Indeno[1,2,3-cd]pyrene	8.25	Split Peak	cantins	02/18/13 11:23
Benzo[g,h,i]perylene	8.47	Baseline Event	cantins	02/18/13 11:22

Lab Sample ID: 680-87279-31 Client Sample ID: CV0748AF-GS

Date Analyzed: 02/15/13 19:53 Lab File ID: 1AB15024.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	7.23	Split Peak	cantins	02/18/13 11:27
Benzo[k]fluoranthene	7.24	Baseline Event	cantins	02/18/13 11:27
Indeno[1,2,3-cd]pyrene	8.25	Split Peak	cantins	02/18/13 11:28

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMC5973 Analysis Batch Number: 133227

Lab Sample ID: IC 660-133227/3 Client Sample ID:

Date Analyzed: 01/07/13 15:23 Lab File ID: 1CA07013.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[k]fluoranthene	8.76	Baseline Event	cantins	01/08/13 12:35
Indeno[1,2,3-cd]pyrene	10.37	Split Peak	cantins	01/08/13 12:35
Dibenz(a,h)anthracene	10.39	Baseline Event	cantins	01/08/13 12:35
Benzo[g,h,i]perylene	10.76	Baseline Event	cantins	01/08/13 12:35

Lab Sample ID: IC 660-133227/4 Client Sample ID:

Date Analyzed: 01/07/13 15:41 Lab File ID: 1CA07014.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Chrysene	7.89	Baseline Event	cantins	01/08/13 12:36
Indeno[1,2,3-cd]pyrene	10.36	Split Peak	cantins	01/08/13 12:37
Dibenz(a,h)anthracene	10.38	Baseline Event	cantins	01/08/13 12:36
Benzo[g,h,i]perylene	10.75	Baseline Event	cantins	01/08/13 12:36

Lab Sample ID: IC 660-133227/5 Client Sample ID:

Date Analyzed: 01/07/13 15:59 Lab File ID: 1CA07015.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.37	Split Peak	cantins	01/08/13 12:38
Dibenz(a,h)anthracene	10.39	Baseline Event	cantins	01/08/13 12:37
Benzo[g,h,i]perylene	10.75	Baseline Event	cantins	01/08/13 12:38

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMC5973 Analysis Batch Number: 133227

Lab Sample ID: IC 660-133227/6 Client Sample ID:

Date Analyzed: 01/07/13 16:18 Lab File ID: 1CA07016.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.37	Split Peak	cantins	01/08/13 12:39
Dibenz(a,h)anthracene	10.39	Baseline Event	cantins	01/08/13 12:38
Benzo[g,h,i]perylene	10.74	Baseline Event	cantins	01/08/13 12:39

Lab Sample ID: ICIS 660-133227/7 Client Sample ID:

Date Analyzed: 01/07/13 16:36 Lab File ID: 1CA07017.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.37	Split Peak	cantins	01/08/13 12:32
Dibenz(a,h)anthracene	10.39	Baseline Event	cantins	01/08/13 12:32
Benzo[g,h,i]perylene	10.75	Baseline Event	cantins	01/08/13 12:32

Lab Sample ID: IC 660-133227/8 Client Sample ID:

Date Analyzed: 01/07/13 16:54 Lab File ID: 1CA07018.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.37	Split Peak	cantins	01/08/13 12:39

Lab Sample ID: IC 660-133227/9 Client Sample ID:

Date Analyzed: 01/07/13 17:13 Lab File ID: 1CA07019.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.37	Split Peak	cantins	01/08/13 12:40

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMC5973 Analysis Batch Number: 133227

Lab Sample ID: ICV 660-133227/10 Client Sample ID:

Date Analyzed: 01/07/13 17:31 Lab File ID: 1CA07020.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.37	Split Peak	cantins	01/08/13 12:44

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMC5973 Analysis Batch Number: 134530

Lab Sample ID: CCVIS 660-134530/4 Client Sample ID:

Date Analyzed: 02/15/13 11:56 Lab File ID: 1CB15004.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.26	Split Peak	cantins	02/15/13 12:21

Lab Sample ID: LCS 660-134472/2-A Client Sample ID:

Date Analyzed: 02/15/13 13:38 Lab File ID: 1CB15009.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.25	Split Peak	cantins	02/18/13 13:18

Lab Sample ID: 680-87279-21 Client Sample ID: CV0748VV-CS

Date Analyzed: 02/15/13 13:56 Lab File ID: 1CB15010.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	8.66	Split Peak	cantins	02/18/13 13:18
Benzo[k]fluoranthene	8.67	Baseline Event	cantins	02/18/13 13:19
Indeno[1,2,3-cd]pyrene	10.25	Split Peak	cantins	02/18/13 13:19
Dibenz(a,h)anthracene	10.26	Baseline Event	cantins	02/18/13 13:19

Lab Sample ID: 680-87279-21 MS Client Sample ID: CV0748VV-CS MS

Date Analyzed: 02/15/13 14:14 Lab File ID: 1CB15011.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.25	Split Peak	cantins	02/18/13 13:20

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMC5973 Analysis Batch Number: 134530

Lab Sample ID: 680-87279-21 MSD Client Sample ID: CV0748VV-CS MSD

Date Analyzed: 02/15/13 14:33 Lab File ID: 1CB15012.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.25	Split Peak	cantins	02/18/13 13:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMC5973 Analysis Batch Number: 134598

Lab Sample ID: CCVIS 660-134598/3 Client Sample ID:

Date Analyzed: 02/18/13 14:07 Lab File ID: 1CB18003.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.25	Split Peak	cantins	02/18/13 14:26

Lab Sample ID: 680-87279-23 Client Sample ID: CV0748AAA-CS

Date Analyzed: 02/18/13 16:36 Lab File ID: 1CB18011.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	8.66	Split Peak	cantins	02/19/13 09:52
Benzo[k]fluoranthene	8.67	Baseline Event	cantins	02/19/13 09:52
Indeno[1,2,3-cd]pyrene	10.24	Split Peak	cantins	02/19/13 09:53

Lab Sample ID: 680-87279-25 Client Sample ID: CV0748EEE-CS

Date Analyzed: 02/18/13 16:54 Lab File ID: 1CB18012.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	8.66	Split Peak	cantins	02/19/13 09:54
Benzo[k]fluoranthene	8.67	Baseline Event	cantins	02/19/13 09:54
Indeno[1,2,3-cd]pyrene	10.24	Split Peak	cantins	02/19/13 09:55
Dibenz(a,h)anthracene	10.26	Baseline Event	cantins	02/19/13 09:54
Benzo[g,h,i]perylene	10.61	Baseline Event	cantins	02/19/13 09:54

Lab Sample ID: 680-87279-26 Client Sample ID: CV0748FFF-CS

Date Analyzed: 02/18/13 17:13 Lab File ID: 1CB18013.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	10.24	Split Peak	cantins	02/19/13 09:56
Benzo[g,h,i]perylene	10.60	Baseline Event	cantins	02/19/13 09:55

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMC5973 Analysis Batch Number: 134598

Lab Sample ID: 680-87279-29 Client Sample ID: CV0748JJJ-CS

Date Analyzed: 02/18/13 17:31 Lab File ID: 1CB18014.D GC Column: DB-5MS ID: 250(um)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[b]fluoranthene	8.66	Split Peak	cantins	02/19/13 10:00
Benzo[k]fluoranthene	8.67	Baseline Event	cantins	02/19/13 10:00
Indeno[1,2,3-cd]pyrene	10.24	Split Peak	cantins	02/19/13 10:00

Method 8270C Low Level

Semivolatile Organic Compounds (GC/MS) Low Level by Method 8270C

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Matrix: Solid Level: Low

GC Column (1): DB-5MS ID: 250 (um)

Client Sample ID	Lab Sample ID	OTPH #
CV0748VV-CS	680-87279-21	64
CV0748AAA-CS	680-87279-23	75
CV0748CCC-CS	680-87279-24	101
CV0748EEE-CS	680-87279-25	90
CV0748FFF-CS	680-87279-26	64
CV0748KKK-CS	680-87279-27	59
CV0748III-CS	680-87279-28	54
CV0748JJJ-CS	680-87279-29	73
CV0748AF-GS	680-87279-31	75
	MB 660-134455/1-A	89
	MB 660-134472/1-A	74
	LCS 660-134455/2-A	75
	LCS 660-134472/2-A	75
	680-87279-A-6-B MS	91
CV0748VV-CS MS	680-87279-21 MS	71
	680-87279-A-6-C MSD	84
CV0748VV-CS MSD	680-87279-21 MSD	72

	QC LIMITS
OTPH = o-Terphenyl	30-130

Column to be used to flag recovery values

FORM II 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Matrix: Solid Level: Low Lab File ID: 1AB15009.D

Lab ID: LCS 660-134455/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	661	415	63	39-130	
Acenaphthylene	661	416	63	38-130	
Anthracene	661	452	68	37-130	
Benzo[a]anthracene	661	532	80	40-130	
Benzo[a]pyrene	661	467	71	49-130	
Benzo[b]fluoranthene	661	483	73	37-130	
Benzo[g,h,i]perylene	661	507	77	32-130	
Benzo[k]fluoranthene	661	502	76	32-130	
Chrysene	661	487	74	41-130	
Dibenz(a,h)anthracene	661	491	74	27-130	
Fluoranthene	661	485	73	40-130	
Fluorene	661	426	64	40-130	
Indeno[1,2,3-cd]pyrene	661	552	84	30-130	
1-Methylnaphthalene	661	458	69	31-130	
2-Methylnaphthalene	661	492	75	33-130	
Naphthalene	661	446	68	36-130	
Phenanthrene	661	452	68	42-130	
Pyrene	661	440	67	44-130	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Matrix: Solid Level: Low Lab File ID: 1CB15009.D

Lab ID: LCS 660-134472/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	LCS CONCENTRATION (ug/Kg)	LCS % REC	QC LIMITS REC	#
Acenaphthene	655	485	74	39-130	
Acenaphthylene	655	498	76	38-130	
Anthracene	655	509	78	37-130	
Benzo[a]anthracene	655	507	77	40-130	
Benzo[a]pyrene	655	502	77	49-130	
Benzo[b]fluoranthene	655	521	80	37-130	
Benzo[g,h,i]perylene	655	463	71	32-130	
Benzo[k]fluoranthene	655	508	78	32-130	
Chrysene	655	462	70	41-130	
Dibenz(a,h)anthracene	655	453	69	27-130	
Fluoranthene	655	524	80	40-130	
Fluorene	655	489	75	40-130	
Indeno[1,2,3-cd]pyrene	655	420	64	30-130	
1-Methylnaphthalene	655	525	80	31-130	
2-Methylnaphthalene	655	478	73	33-130	
Naphthalene	655	481	73	36-130	
Phenanthrene	655	460	70	42-130	
Pyrene	655	538	82	44-130	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Matrix: Solid Level: Low Lab File ID: 1AB15011.D

Lab ID: 680-87279-A-6-B MS Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	677	100 U	550	81	39-130	
Acenaphthylene	677	41 U	549	81	38-130	
Anthracene	677	8.5 U	572	85	37-130	
Benzo[a]anthracene	677	12	692	100	40-130	
Benzo[a]pyrene	677	6.2 J	522	76	49-130	
Benzo[b]fluoranthene	677	8.0 J	572	83	37-130	
Benzo[g,h,i]perylene	677	4.5 J	554	81	32-130	
Benzo[k]fluoranthene	677	8.1 U	618	91	32-130	
Chrysene	677	9.0 J	619	90	41-130	
Dibenz(a,h)anthracene	677	20 U	517	76	27-130	
Fluoranthene	677	12 J	680	99	40-130	
Fluorene	677	20 U	573	85	40-130	
Indeno[1,2,3-cd]pyrene	677	20 U	540	80	30-130	
1-Methylnaphthalene	677	41 U	613	91	31-130	
2-Methylnaphthalene	677	41 U	650	96	33-130	
Naphthalene	677	5.7 J	590	86	36-130	
Phenanthrene	677	16	589	85	42-130	
Pyrene	677	10 J	679	99	44-130	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Matrix: Solid Level: Low Lab File ID: 1CB15011.D

Lab ID: 680-87279-21 MS Client ID: CV0748VV-CS MS

COMPOUND	SPIKE ADDED (ug/Kg)	SAMPLE CONCENTRATION (ug/Kg)	MS CONCENTRATION (ug/Kg)	MS % REC	QC LIMITS REC	#
Acenaphthene	711	110 U	485	68	39-130	
Acenaphthylene	711	6.7 J	502	70	38-130	
Anthracene	711	6.8 J	505	70	37-130	
Benzo[a]anthracene	711	52	556	71	40-130	
Benzo[a]pyrene	711	50	533	68	49-130	
Benzo[b]fluoranthene	711	71	619	77	37-130	
Benzo[g,h,i]perylene	711	37	489	64	32-130	
Benzo[k]fluoranthene	711	40	475	61	32-130	
Chrysene	711	65	516	63	41-130	
Dibenz(a,h)anthracene	711	13 J	462	63	27-130	
Fluoranthene	711	82	602	73	40-130	
Fluorene	711	21 U	480	68	40-130	
Indeno[1,2,3-cd]pyrene	711	27	470	62	30-130	
1-Methylnaphthalene	711	20 J	540	73	31-130	
2-Methylnaphthalene	711	22 J	503	68	33-130	
Naphthalene	711	21 J	470	63	36-130	
Phenanthrene	711	43	501	64	42-130	
Pyrene	711	77	622	77	44-130	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Matrix: Solid Level: Low Lab File ID: 1AB15012.D

Lab ID: 680-87279-A-6-C MSD Client ID:

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	677	486	72	12	40	39-130	
Acenaphthylene	677	491	73	11	40	38-130	
Anthracene	677	519	77	10	40	37-130	
Benzo[a]anthracene	677	590	85	16	40	40-130	
Benzo[a]pyrene	677	403	59	26	40	49-130	
Benzo[b]fluoranthene	677	466	68	20	40	37-130	
Benzo[g,h,i]perylene	677	609	89	9	40	32-130	
Benzo[k]fluoranthene	677	408	60	41	40	32-130	F
Chrysene	677	505	73	20	40	41-130	
Dibenz(a,h)anthracene	677	556	82	7	40	27-130	
Fluoranthene	677	544	79	22	40	40-130	
Fluorene	677	515	76	11	40	40-130	
Indeno[1,2,3-cd]pyrene	677	585	86	8	40	30-130	
1-Methylnaphthalene	677	545	80	12	40	31-130	
2-Methylnaphthalene	677	577	85	12	40	33-130	
Naphthalene	677	514	75	14	40	36-130	
Phenanthrene	677	527	76	11	40	42-130	
Pyrene	677	548	80	21	40	44-130	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Matrix: Solid Level: Low Lab File ID: 1CB15012.D

Lab ID: 680-87279-21 MSD Client ID: CV0748VV-CS MSD

COMPOUND	SPIKE ADDED (ug/Kg)	MSD CONCENTRATION (ug/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Acenaphthene	711	482	68	1	40	39-130	
Acenaphthylene	711	524	73	4	40	38-130	
Anthracene	711	516	72	2	40	37-130	
Benzo[a]anthracene	711	536	68	4	40	40-130	
Benzo[a]pyrene	711	517	66	3	40	49-130	
Benzo[b]fluoranthene	711	556	68	11	40	37-130	
Benzo[g,h,i]perylene	711	478	62	2	40	32-130	
Benzo[k]fluoranthene	711	557	73	16	40	32-130	
Chrysene	711	492	60	5	40	41-130	
Dibenz(a,h)anthracene	711	460	63	0	40	27-130	
Fluoranthene	711	587	71	3	40	40-130	
Fluorene	711	492	69	2	40	40-130	
Indeno[1,2,3-cd]pyrene	711	464	61	1	40	30-130	
1-Methylnaphthalene	711	546	74	1	40	31-130	
2-Methylnaphthalene	711	529	71	5	40	33-130	
Naphthalene	711	493	66	5	40	36-130	
Phenanthrene	711	486	62	3	40	42-130	
Pyrene	711	595	73	4	40	44-130	

Column to be used to flag recovery and RPD values

FORM III 8270C LL

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab File ID: 1AB15008.D Lab Sample ID: MB 660-134455/1-A

Matrix: Solid Date Extracted: 02/14/2013 08:35

Instrument ID: BSMA5973 Date Analyzed: 02/15/2013 15:52

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 660-134455/2-A	1AB15009.D	02/15/2013 16:07
	680-87279-A-6-B MS	1AB15011.D	02/15/2013 16:37
	680-87279-A-6-C MSD	1AB15012.D	02/15/2013 16:52
CV0748CCC-CS	680-87279-24	1AB15018.D	02/15/2013 18:23
CV0748KKK-CS	680-87279-27	1AB15021.D	02/15/2013 19:08
CV0748III-CS	680-87279-28	1AB15022.D	02/15/2013 19:23
CV0748AF-GS	680-87279-31	1AB15024.D	02/15/2013 19:53
CV0748AAA-CS	680-87279-23	1CB18011.D	02/18/2013 16:36
CV0748EEE-CS	680-87279-25	1CB18012.D	02/18/2013 16:54
CV0748FFF-CS	680-87279-26	1CB18013.D	02/18/2013 17:13
CV0748JJJ-CS	680-87279-29	1CB18014.D	02/18/2013 17:31

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab File ID: 1CB15008.D Lab Sample ID: MB 660-134472/1-A

Matrix: Solid Date Extracted: 02/14/2013 11:19

Instrument ID: BSMC5973 Date Analyzed: 02/15/2013 13:20

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 660-134472/2-A	1CB15009.D	02/15/2013 13:38
CV0748VV-CS	680-87279-21	1CB15010.D	02/15/2013 13:56
CV0748VV-CS MS	680-87279-21 MS	1CB15011.D	02/15/2013 14:14
CV0748VV-CS MSD	680-87279-21 MSD	1CB15012.D	02/15/2013 14:33

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab File ID: 1AA30002.D DFTPP Injection Date: 01/30/2013

Instrument ID: BSMA5973 DFTPP Injection Time: 11:20

Analysis Batch No.: 133924

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 198	40.7	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	43.7	
70	Less than 2.0 % of mass 69	0.7	(1.7)1
127	10.0 - 80.0 % of mass 198	44.2	
197	Less than 2.0 % of mass 198	1.7	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	5.9	
275	10.0 - 60.0 % of mass 198	23.5	
365	Greater than 1.0 % of mass 198	1.9	
441	Present but less than mass 443	8.6	
442	Greater than 50.0 % of mass 198	63.7	
443	15.0 - 24.0 % of mass 442	13.6	(21.3)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 660-133924/3	1AA30003.D	01/30/2013	11:38
	IC 660-133924/4	1AA30004.D	01/30/2013	12:04
	IC 660-133924/5	1AA30005.D	01/30/2013	12:19
	IC 660-133924/6	1AA30006.D	01/30/2013	12:34
	IC 660-133924/7	1AA30007.D	01/30/2013	12:49
	IC 660-133924/8	1AA30008.D	01/30/2013	13:04
	IC 660-133924/9	1AA30009.D	01/30/2013	13:20
	ICV 660-133924/10	1AA30010.D	01/30/2013	13:35

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab File ID: 1AB15005.D DFTPP Injection Date: 02/15/2013

Instrument ID: BSMA5973 DFTPP Injection Time: 15:08

Analysis Batch No.: 134532

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 198	34.0	
68	Less than 2.0 % of mass 69	0.0	(0.0)1
69	Mass 69 relative abundance	40.4	
70	Less than 2.0 % of mass 69	0.0	(0.0)1
127	10.0 - 80.0 % of mass 198	38.8	
197	Less than 2.0 % of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	5.7	
275	10.0 - 60.0 % of mass 198	27.6	
365	Greater than 1.0 % of mass 198	6.0	
441	Present but less than mass 443	13.2	
442	Greater than 50.0 % of mass 198	84.0	
443	15.0 - 24.0 % of mass 442	13.3	(15.8)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 660-134532/8	1AB15006.D	02/15/2013	15:21
	MB 660-134455/1-A	1AB15008.D	02/15/2013	15:52
	LCS 660-134455/2-A	1AB15009.D	02/15/2013	16:07
	680-87279-A-6-B MS	1AB15011.D	02/15/2013	16:37
	680-87279-A-6-C MSD	1AB15012.D	02/15/2013	16:52
CV0748CCC-CS	680-87279-24	1AB15018.D	02/15/2013	18:23
CV0748KKK-CS	680-87279-27	1AB15021.D	02/15/2013	19:08
CV0748III-CS	680-87279-28	1AB15022.D	02/15/2013	19:23
CV0748AF-GS	680-87279-31	1AB15024.D	02/15/2013	19:53

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab File ID: 1CA07002.D DFTPP Injection Date: 01/07/2013

Instrument ID: BSMC5973 DFTPP Injection Time: 11:23

Analysis Batch No.: 133227

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 198	32.5	
68	Less than 2.0 % of mass 69	0.4	(1.1)1
69	Mass 69 relative abundance	39.9	
70	Less than 2.0 % of mass 69	0.4	(1.0)1
127	10.0 - 80.0 % of mass 198	46.8	
197	Less than 2.0 % of mass 198	1.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	6.2	
275	10.0 - 60.0 % of mass 198	23.0	
365	Greater than 1.0 % of mass 198	3.1	
441	Present but less than mass 443	13.3	
442	Greater than 50.0 % of mass 198	90.1	
443	15.0 - 24.0 % of mass 442	17.2	(19.1)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	IC 660-133227/3	1CA07013.D	01/07/2013	15:23
	IC 660-133227/4	1CA07014.D	01/07/2013	15:41
	IC 660-133227/5	1CA07015.D	01/07/2013	15:59
	IC 660-133227/6	1CA07016.D	01/07/2013	16:18
	ICIS 660-133227/7	1CA07017.D	01/07/2013	16:36
	IC 660-133227/8	1CA07018.D	01/07/2013	16:54
	IC 660-133227/9	1CA07019.D	01/07/2013	17:13
	ICV 660-133227/10	1CA07020.D	01/07/2013	17:31

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab File ID: 1CB15003.D DFTPP Injection Date: 02/15/2013

Instrument ID: BSMC5973 DFTPP Injection Time: 11:40

Analysis Batch No.: 134530

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 198	32.9	
68	Less than 2.0 % of mass 69	0.5	(1.1)1
69	Mass 69 relative abundance	43.5	
70	Less than 2.0 % of mass 69	0.4	(0.8)1
127	10.0 - 80.0 % of mass 198	46.7	
197	Less than 2.0 % of mass 198	0.9	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	7.4	
275	10.0 - 60.0 % of mass 198	22.9	
365	Greater than 1.0 % of mass 198	2.5	
441	Present but less than mass 443	10.9	
442	Greater than 50.0 % of mass 198	71.8	
443	15.0 - 24.0 % of mass 442	16.0	(22.2)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 660-134530/4	1CB15004.D	02/15/2013	11:56
	MB 660-134472/1-A	1CB15008.D	02/15/2013	13:20
	LCS 660-134472/2-A	1CB15009.D	02/15/2013	13:38
CV0748VV-CS	680-87279-21	1CB15010.D	02/15/2013	13:56
CV0748VV-CS MS	680-87279-21 MS	1CB15011.D	02/15/2013	14:14
CV0748VV-CS MSD	680-87279-21 MSD	1CB15012.D	02/15/2013	14:33

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab File ID: 1CB18002.D DFTPP Injection Date: 02/18/2013

Instrument ID: BSMC5973 DFTPP Injection Time: 13:50

Analysis Batch No.: 134598

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 198	35.2	
68	Less than 2.0 % of mass 69	0.7	(1.6)1
69	Mass 69 relative abundance	45.8	
70	Less than 2.0 % of mass 69	0.2	(0.5)1
127	10.0 - 80.0 % of mass 198	46.1	
197	Less than 2.0 % of mass 198	1.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	6.5	
275	10.0 - 60.0 % of mass 198	22.1	
365	Greater than 1.0 % of mass 198	3.3	
441	Present but less than mass 443	10.8	
442	Greater than 50.0 % of mass 198	73.1	
443	15.0 - 24.0 % of mass 442	13.6	(18.5)2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 660-134598/3	1CB18003.D	02/18/2013	14:07
CV0748AAA-CS	680-87279-23	1CB18011.D	02/18/2013	16:36
CV0748EEE-CS	680-87279-25	1CB18012.D	02/18/2013	16:54
CV0748FFF-CS	680-87279-26	1CB18013.D	02/18/2013	17:13
CV0748JJJ-CS	680-87279-29	1CB18014.D	02/18/2013	17:31

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Sample No.: ICIS 660-133924/3 Date Analyzed: 01/30/2013 11:38

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250(um)

Lab File ID (Standard): 1AA30003.D Heated Purge: (Y/N) N

Calibration ID: 2712

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		1356829	2.51	769245	3.54	1169097	4.50
UPPER LIMIT		2713658	3.01	1538490	4.04	2338194	5.00
LOWER LIMIT		678415	2.01	384623	3.04	584549	4.00
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 660-133924/10		1317903	2.51	820848	3.54	1272419	4.50

NPT = Naphthalene-d8
ANT = Acenaphthene-d10
PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Sample No.: ICIS 660-133924/3 Date Analyzed: 01/30/2013 11:38

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250(um)

Lab File ID (Standard): 1AA30003.D Heated Purge: (Y/N) N

Calibration ID: 2712

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		942927	6.54	892108	7.64		
UPPER LIMIT		1885854	7.04	1784216	8.14		
LOWER LIMIT		471464	6.04	446054	7.14		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 660-133924/10		1032149	6.54	982321	7.64		

CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Sample No.: CCVIS 660-134532/8 Date Analyzed: 02/15/2013 15:21

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250(um)

Lab File ID (Standard): 1AB15006.D Heated Purge: (Y/N) N

Calibration ID: 2712

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1368017	2.42	840321	3.44	1266854	4.39
UPPER LIMIT		2736034	2.92	1680642	3.94	2533708	4.89
LOWER LIMIT		684009	1.92	420161	2.94	633427	3.89
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 660-134455/1-A		1027824	2.41	716597	3.44	1014397	4.38
LCS 660-134455/2-A		987109	2.42	666683	3.44	1000324	4.38
680-87279-A-6-B MS		961578	2.42	617160	3.44	924347	4.38
680-87279-A-6-C MSD		869735	2.42	542996	3.44	829645	4.38
680-87279-24	CV0748CCC-CS	796260	2.42	517200	3.44	804194	4.39
680-87279-27	CV0748KKK-CS	864833	2.42	572179	3.44	823922	4.39
680-87279-28	CV0748III-CS	824973	2.42	551000	3.44	784948	4.39
680-87279-31	CV0748AF-GS	900337	2.42	600633	3.45	855569	4.39

NPT = Naphthalene-d8
ANT = Acenaphthene-d10
PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Sample No.: CCVIS 660-134532/8 Date Analyzed: 02/15/2013 15:21

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250(um)

Lab File ID (Standard): 1AB15006.D Heated Purge: (Y/N) N

Calibration ID: 2712

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1066498	6.41	1048533	7.50		
UPPER LIMIT		2132996	6.91	2097066	8.00		
LOWER LIMIT		533249	5.91	524267	7.00		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 660-134455/1-A		843677	6.40	853259	7.50		
LCS 660-134455/2-A		831616	6.40	824033	7.50		
680-87279-A-6-B MS		676033	6.40	538897	7.50		
680-87279-A-6-C MSD		581691	6.40	708330	7.50		
680-87279-24	CV0748CCC-CS	535735	6.41	688431	7.51		
680-87279-27	CV0748KKK-CS	576223	6.41	732490	7.52		
680-87279-28	CV0748III-CS	574150	6.41	770340	7.51		
680-87279-31	CV0748AF-GS	615817	6.42	824917	7.52		

CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Sample No.: ICIS 660-133227/7 Date Analyzed: 01/07/2013 16:36

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250(um)

Lab File ID (Standard): 1CA07017.D Heated Purge: (Y/N) N

Calibration ID: 2667

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		2194838	3.87	1653478	4.96	3141284	5.92
UPPER LIMIT		4389676	4.37	3306956	5.46	6282568	6.42
LOWER LIMIT		1097419	3.37	826739	4.46	1570642	5.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 660-133227/10		2417094	3.87	1838803	4.96	3573060	5.92

NPT = Naphthalene-d8
ANT = Acenaphthene-d10
PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Sample No.: ICIS 660-133227/7 Date Analyzed: 01/07/2013 16:36

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250(um)

Lab File ID (Standard): 1CA07017.D Heated Purge: (Y/N) N

Calibration ID: 2667

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		3787207	7.87	3790527	9.11		
UPPER LIMIT		7574414	8.37	7581054	9.61		
LOWER LIMIT		1893604	7.37	1895264	8.61		
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 660-133227/10		4267463	7.87	4342564	9.12		

CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Sample No.: CCVIS 660-134530/4 Date Analyzed: 02/15/2013 11:56

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250(um)

Lab File ID (Standard): 1CB15004.D Heated Purge: (Y/N) N

Calibration ID: 2667

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2569302	3.82	1996632	4.91	3819499	5.86
UPPER LIMIT		5138604	4.32	3993264	5.41	7638998	6.36
LOWER LIMIT		1284651	3.32	998316	4.41	1909750	5.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 660-134472/1-A		2663358	3.82	2068260	4.91	3931766	5.86
LCS 660-134472/2-A		2307582	3.82	1791084	4.91	3388620	5.86
680-87279-21	CV0748VV-CS	2489690	3.82	1904196	4.90	3617025	5.86
680-87279-21 MS	CV0748VV-CS MS	2438858	3.82	1896166	4.90	3573845	5.86
680-87279-21 MSD	CV0748VV-CS MSD	2500394	3.82	1945760	4.91	3614241	5.86

NPT = Naphthalene-d8
ANT = Acenaphthene-d10
PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Sample No.: CCVIS 660-134530/4 Date Analyzed: 02/15/2013 11:56

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250(um)

Lab File ID (Standard): 1CB15004.D Heated Purge: (Y/N) N

Calibration ID: 2667

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		4339487	7.82	4016358	9.04		
UPPER LIMIT		8678974	8.32	8032716	9.54		
LOWER LIMIT		2169744	7.32	2008179	8.54		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 660-134472/1-A		4251050	7.81	4056698	9.03		
LCS 660-134472/2-A		3830695	7.81	3622690	9.03		
680-87279-21	CV0748VV-CS	3921695	7.81	3669419	9.03		
680-87279-21 MS	CV0748VV-CS MS	3794962	7.81	3691062	9.03		
680-87279-21 MSD	CV0748VV-CS MSD	3979657	7.81	3723416	9.03		

CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Sample No.: CCVIS 660-134598/3 Date Analyzed: 02/18/2013 14:07

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250(um)

Lab File ID (Standard): 1CB18003.D Heated Purge: (Y/N) N

Calibration ID: 2667

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		2084677	3.82	1616631	4.90	3184282	5.86
UPPER LIMIT		4169354	4.32	3233262	5.40	6368564	6.36
LOWER LIMIT		1042339	3.32	808316	4.40	1592141	5.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
680-87279-23	CV0748AAA-CS	1883315	3.82	1501578	4.90	2796283	5.86
680-87279-25	CV0748EEE-CS	2000525	3.82	1541687	4.90	2809961	5.86
680-87279-26	CV0748FFF-CS	2019079	3.82	1580384	4.90	2879690	5.86
680-87279-29	CV0748JJJ-CS	2003635	3.82	1557162	4.90	2835034	5.86

NPT = Naphthalene-d8
ANT = Acenaphthene-d10
PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Sample No.: CCVIS 660-134598/3 Date Analyzed: 02/18/2013 14:07

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250(um)

Lab File ID (Standard): 1CB18003.D Heated Purge: (Y/N) N

Calibration ID: 2667

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		3977138	7.81	3965161	9.03		
UPPER LIMIT		7954276	8.31	7930322	9.53		
LOWER LIMIT		1988569	7.31	1982581	8.53		
LAB SAMPLE ID	CLIENT SAMPLE ID						
680-87279-23	CV0748AAA-CS	2919645	7.80	2773378	9.02		
680-87279-25	CV0748EEE-CS	2854676	7.80	2622327	9.03		
680-87279-26	CV0748FFF-CS	2947957	7.80	2741541	9.02		
680-87279-29	CV0748JJJ-CS	2883669	7.80	2705454	9.03		

CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270C LL

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748VV-CS | Lab Sample ID: 680-87279-21

Matrix: Solid | Lab File ID: 1CB15010.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 13:54

Extract. Method: 3546 | Date Extracted: 02/14/2013 11:19

Sample wt/vol: 15.13(g) | Date Analyzed: 02/15/2013 13:56

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134530 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	110	U	110	21
208-96-8	Acenaphthylene	6.7	J	43	5.3
120-12-7	Anthracene	6.8	J	9.0	4.5
56-55-3	Benzo[a]anthracene	52		8.5	4.2
50-32-8	Benzo[a]pyrene	50		11	5.5
205-99-2	Benzo[b]fluoranthene	71		13	6.5
191-24-2	Benzo[g,h,i]perylene	37		21	4.7
207-08-9	Benzo[k]fluoranthene	40		8.5	3.8
218-01-9	Chrysene	65		9.6	4.8
53-70-3	Dibenz(a,h)anthracene	13	J	21	4.4
206-44-0	Fluoranthene	82		21	4.3
86-73-7	Fluorene	21	U	21	4.4
193-39-5	Indeno[1,2,3-cd]pyrene	27		21	7.6
90-12-0	1-Methylnaphthalene	20	J	43	4.7
91-57-6	2-Methylnaphthalene	22	J	43	7.6
91-20-3	Naphthalene	21	J	43	4.7
85-01-8	Phenanthrene	43		8.5	4.2
129-00-0	Pyrene	77		21	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	64		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\1CB15010.D
Lab Smp Id: 680-87279-A-21-A Client Smp ID: CV0748VV-CS
Inj Date : 15-FEB-2013 13:56
Operator : SCC Inst ID: BSMC5973.i
Smp Info : 680-87279-a-21-a
Misc Info : 680-87279-A-21-A
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 12:20 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.130	Weight Extracted
M	7.042	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	3.816	3.821	(1.000)	2489690	40.0000	
* 6 Acenaphthene-d10	164	4.904	4.910	(1.000)	1904196	40.0000	
* 10 Phenanthrene-d10	188	5.863	5.863	(1.000)	3617025	40.0000	
$ 14 o-Terphenyl	230	6.110	6.115	(1.042)	337836	6.37454	453.2361
* 18 Chrysene-d12	240	7.810	7.815	(1.000)	3921695	40.0000	
* 23 Perylene-d12	264	9.027	9.039	(1.000)	3669419	40.0000	
2 Naphthalene	128	3.833	3.833	(1.005)	19277	0.29219	20.7751
3 2-Methylnaphthalene	142	4.257	4.257	(1.116)	13367	0.31160	22.1552
4 1-Methylnaphthalene	142	4.322	4.321	(1.133)	11244	0.28820	20.4912
5 Acenaphthylene	152	4.822	4.821	(0.983)	7120	0.09398	6.6824
11 Phenanthrene	178	5.874	5.880	(1.002)	65409	0.60583	43.0751
12 Anthracene	178	5.910	5.910	(1.008)	9290	0.09550	6.7904
13 Carbazole	167	6.016	6.015	(1.026)	10137	0.11997	8.5301
15 Fluoranthene	202	6.716	6.721	(1.145)	121185	1.14870	81.6736

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
16 Pyrene	202	6.886	6.886	(0.882)	113487	1.08699	77.2858
17 Benzo(a)anthracene	228	7.798	7.804	(0.998)	78791	0.72856	51.8013
19 Chrysene	228	7.827	7.833	(1.002)	101531	0.90889	64.6226
20 Benzo(b)fluoranthene	252	8.662	8.674	(0.960)	89297	0.99261	70.5752(M)
21 Benzo(k)fluoranthene	252	8.674	8.698	(0.961)	55640	0.56140	39.9164(QM)
22 Benzo(a)pyrene	252	8.968	8.980	(0.993)	60478	0.70649	50.2317
24 Indeno(1,2,3-cd)pyrene	276	10.245	10.262	(1.135)	31218	0.37968	26.9959(M)
25 Dibenzo(a,h)anthracene	278	10.256	10.280	(1.136)	13962	0.18007	12.8032(M)
26 Benzo(g,h,i)perylene	276	10.615	10.633	(1.176)	43127	0.51637	36.7142

QC Flag Legend

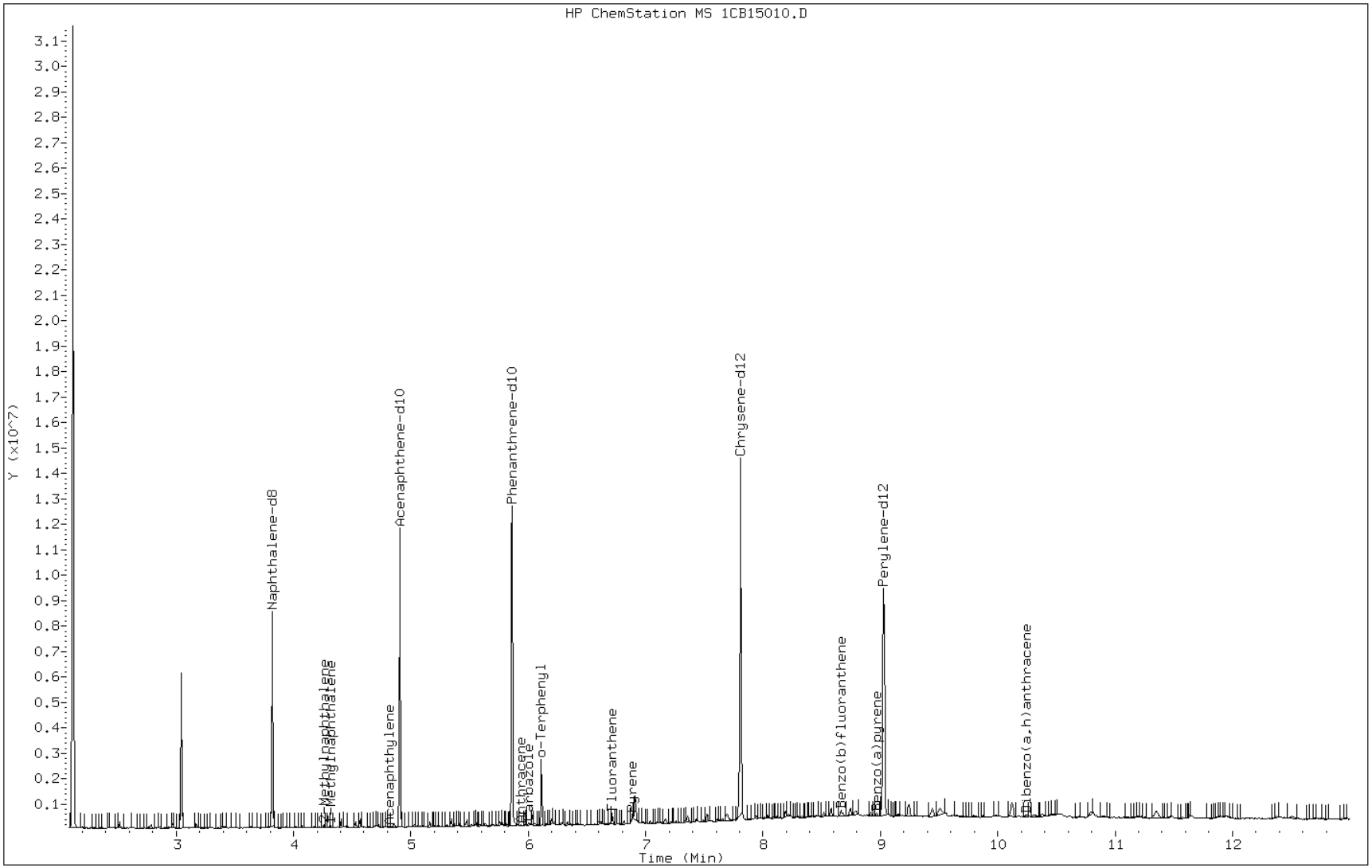
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC



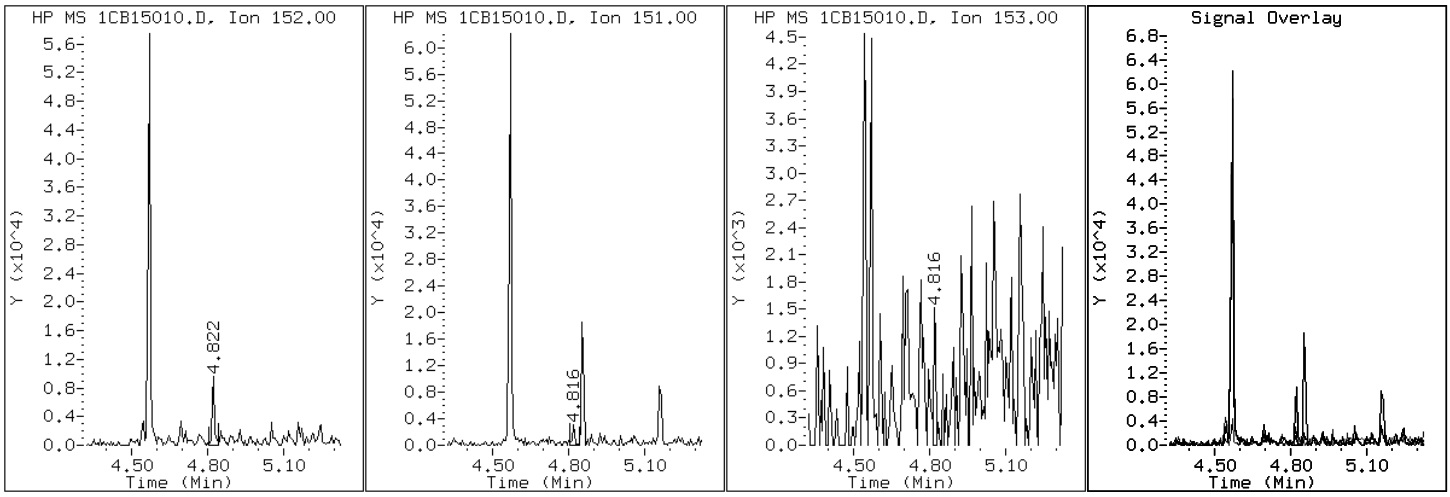
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

5 Acenaphthylene



Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

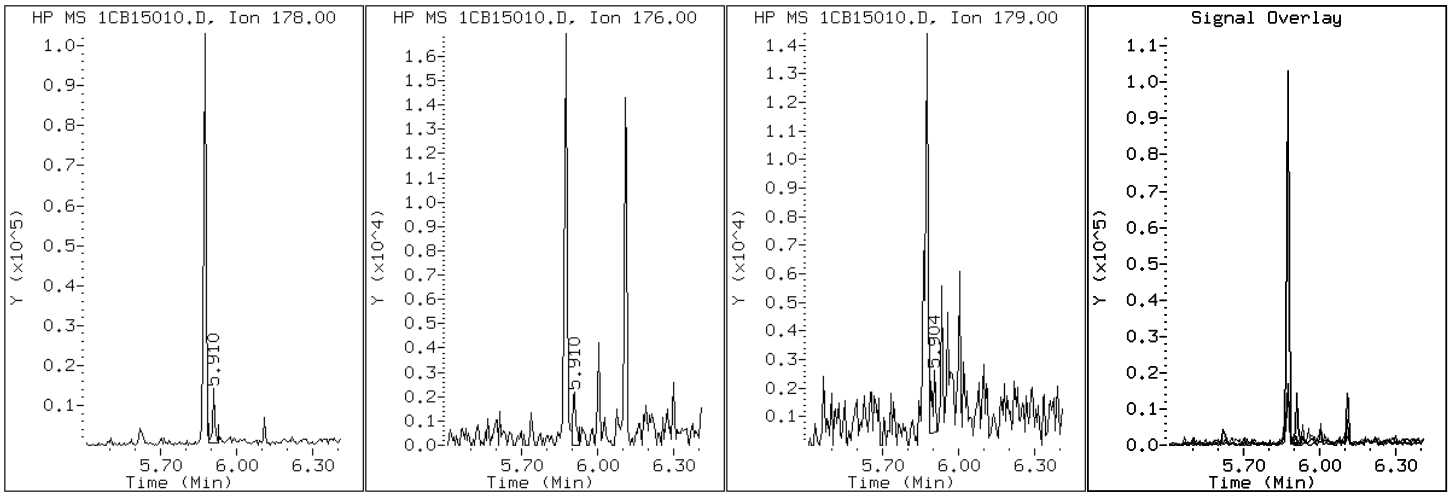
Client ID: CV0748VV-CS

Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a

Operator: SCC

12 Anthracene



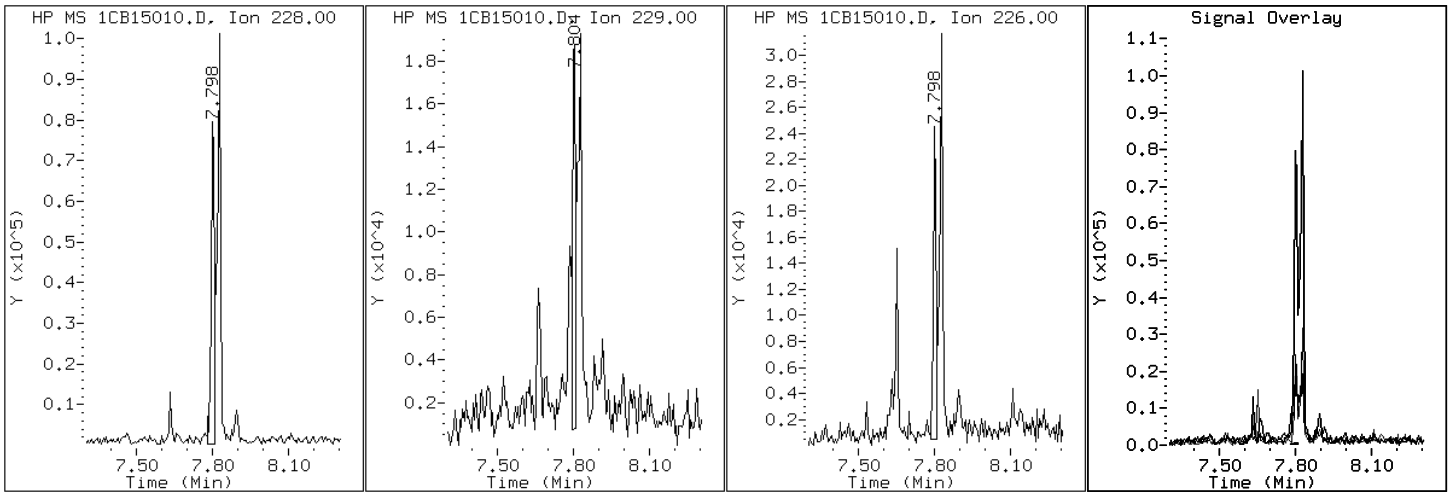
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

17 Benzo(a)anthracene



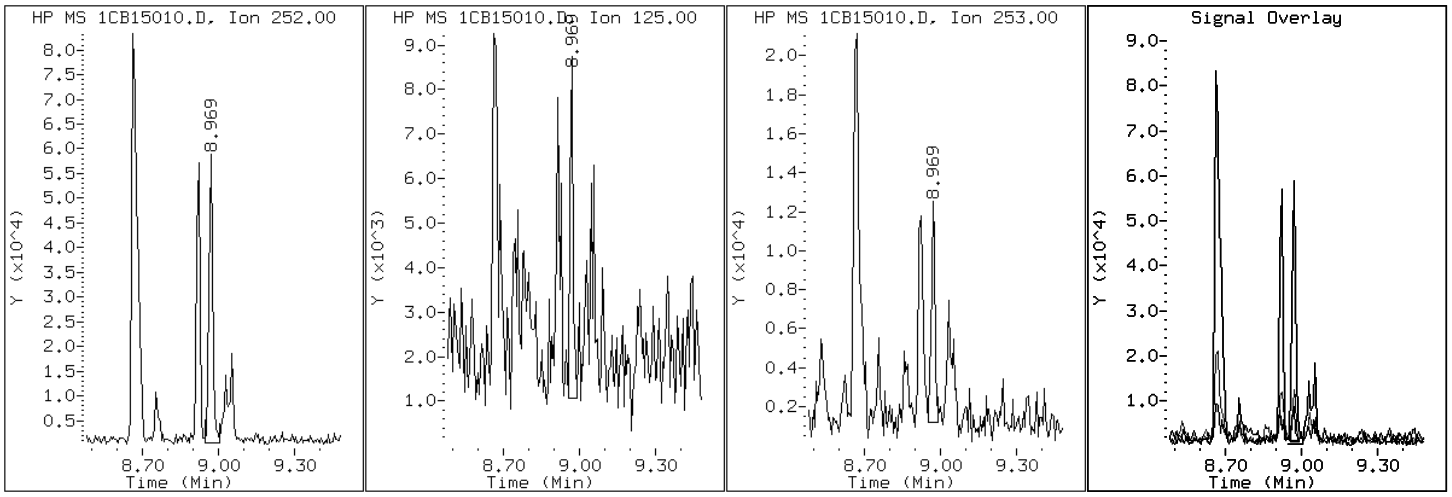
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

22 Benzo(a)pyrene



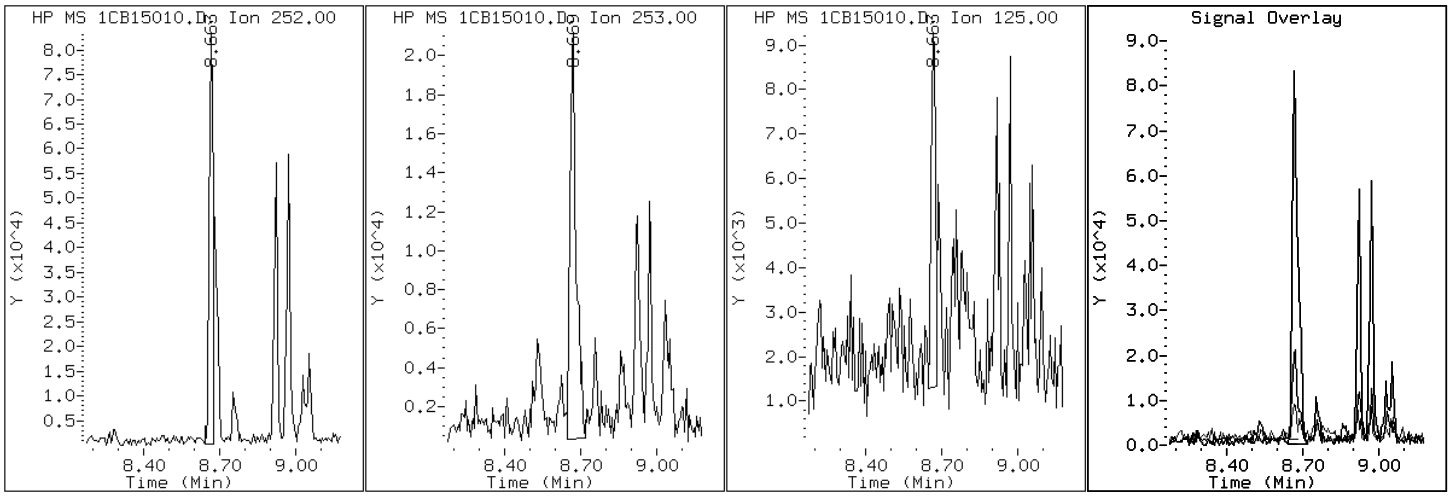
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

20 Benzo(b)fluoranthene



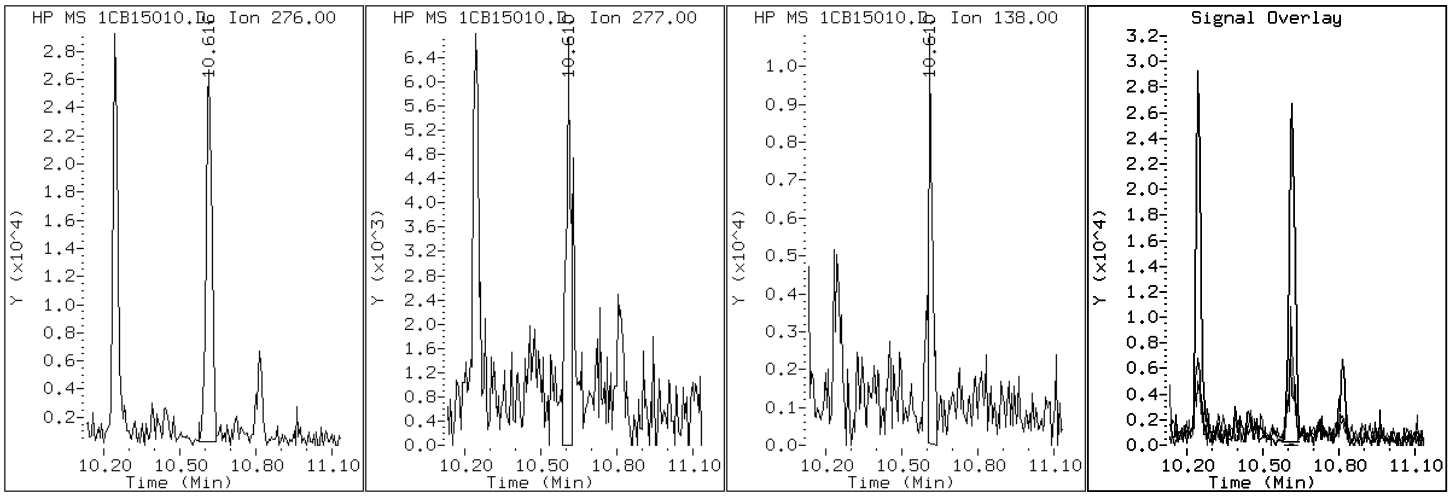
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

26 Benzo(g,h,i)perylene



Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

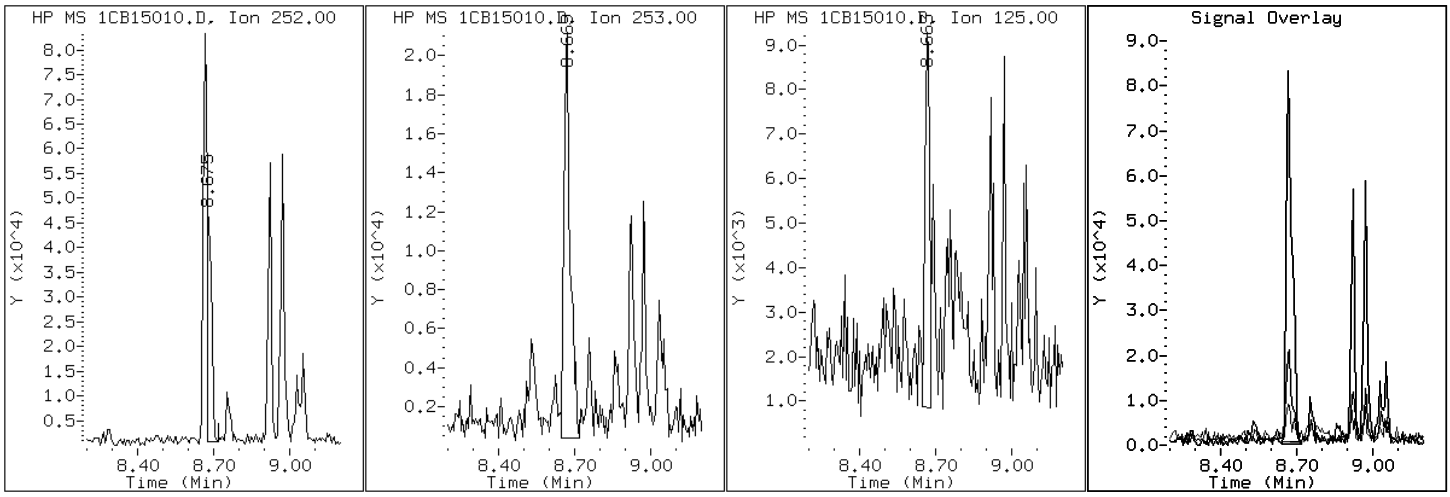
Client ID: CV0748VV-CS

Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a

Operator: SCC

21 Benzo(k)fluoranthene



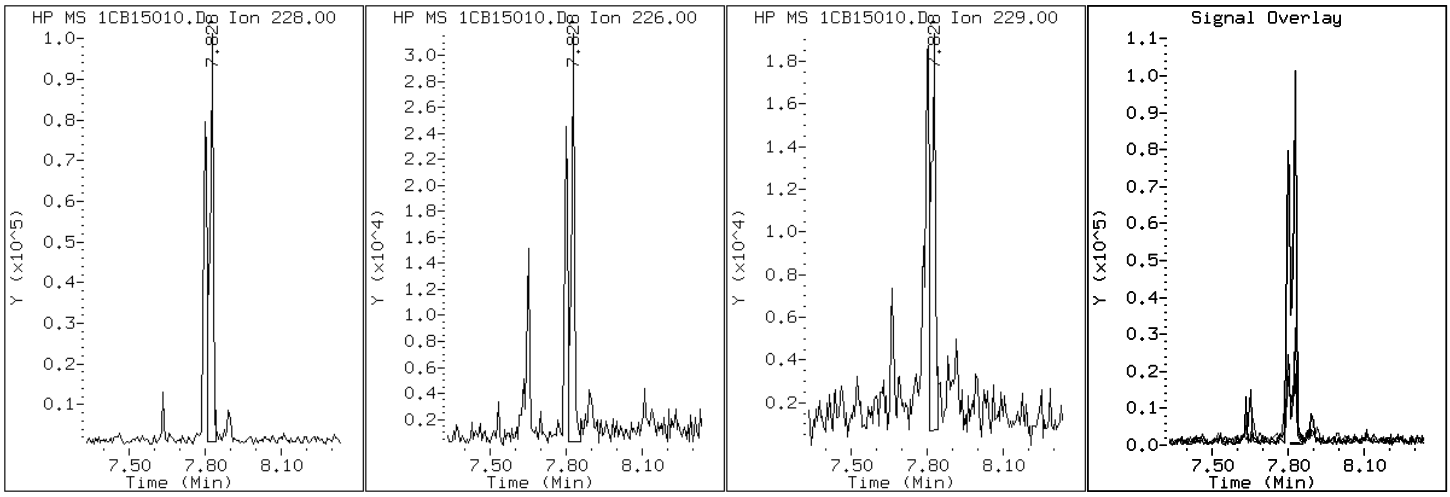
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

19 Chrysene



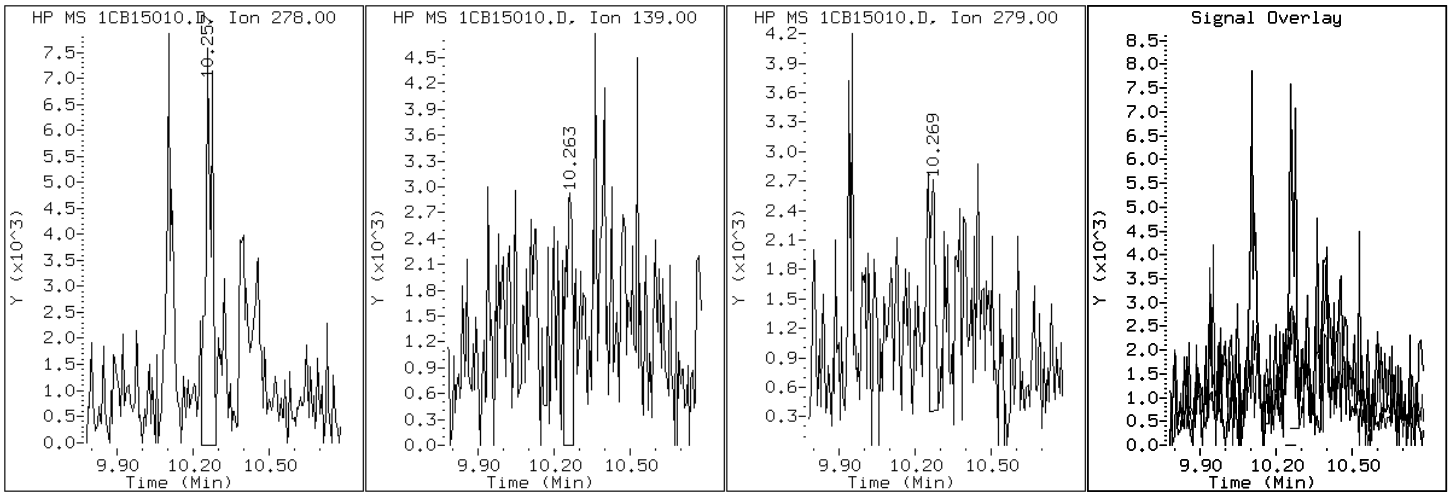
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

25 Dibenzo(a,h)anthracene



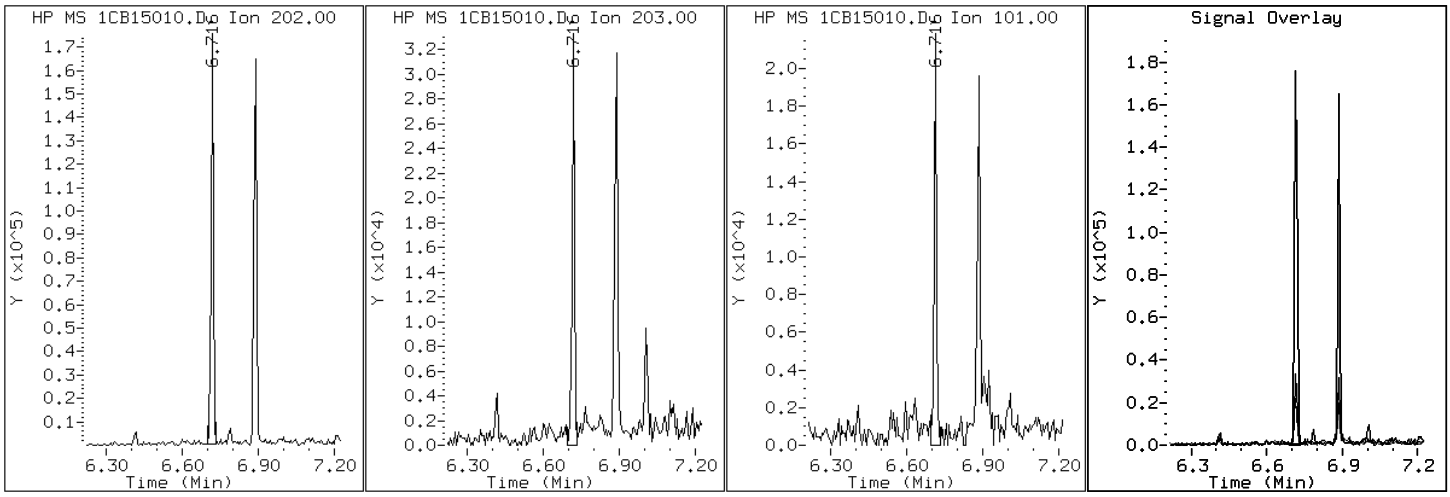
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

15 Fluoranthene



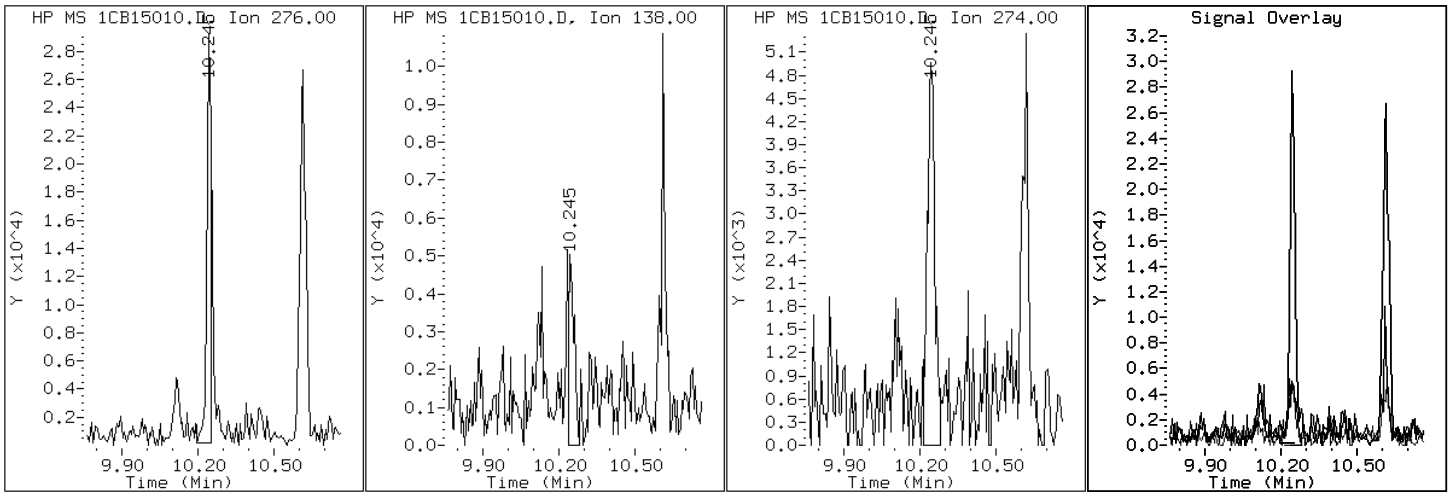
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

24 Indeno(1,2,3-cd)pyrene



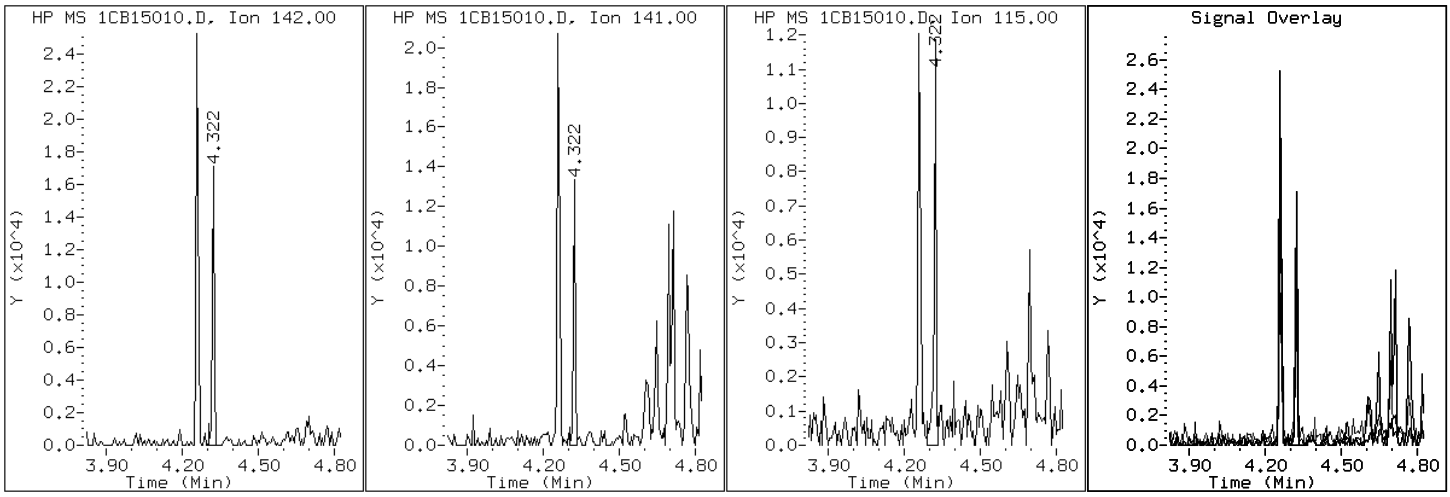
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

4 1-Methylnaphthalene



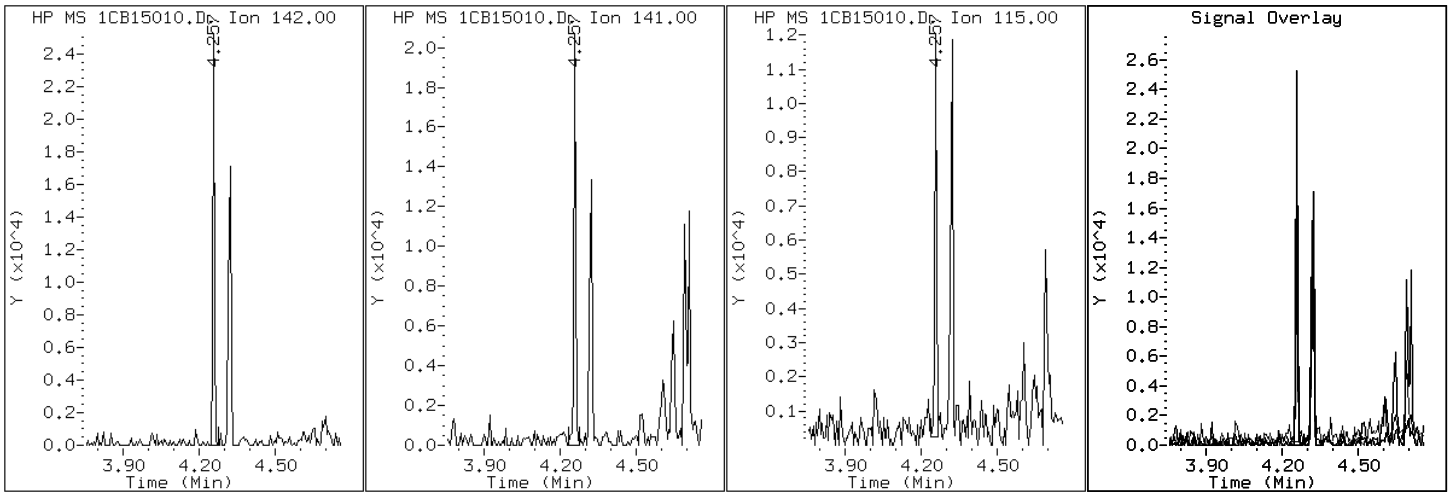
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

3 2-Methylnaphthalene



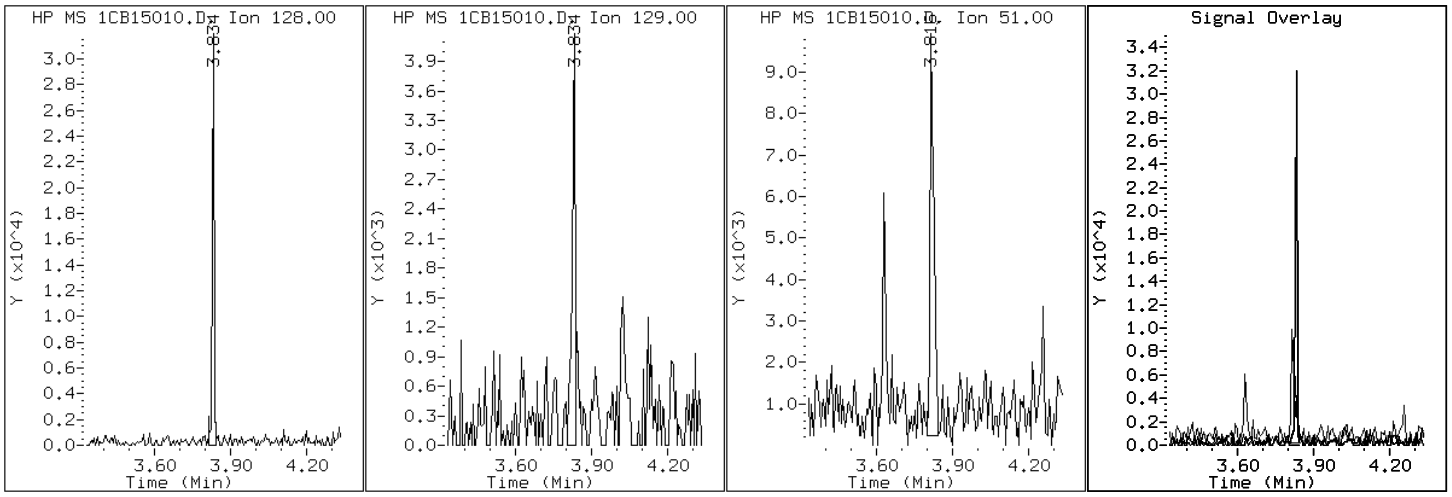
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

2 Naphthalene



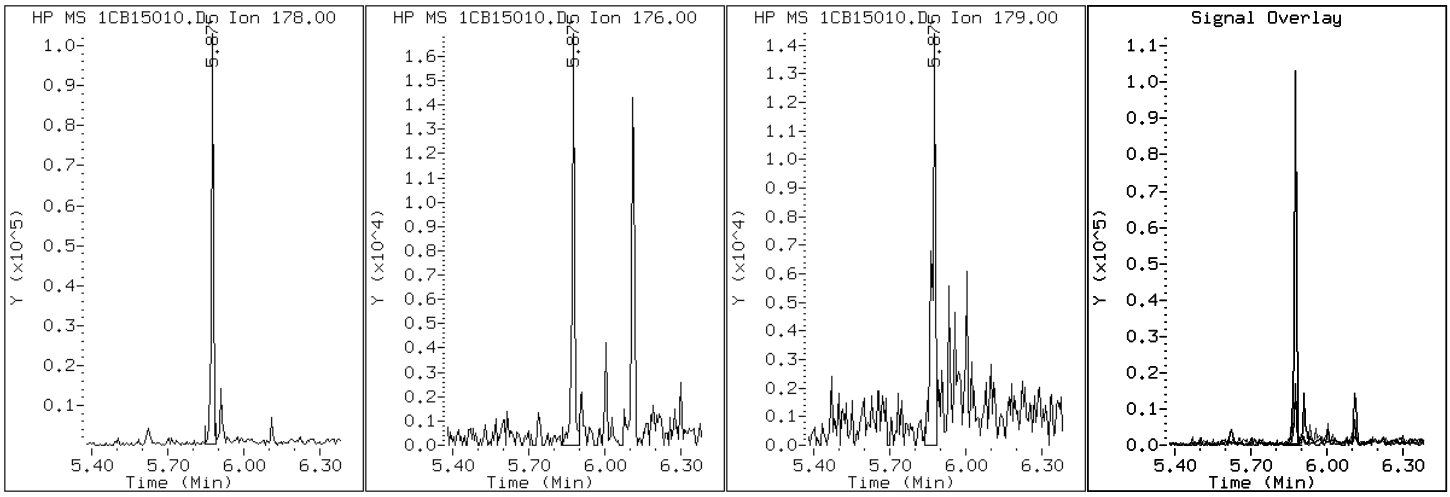
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

11 Phenanthrene



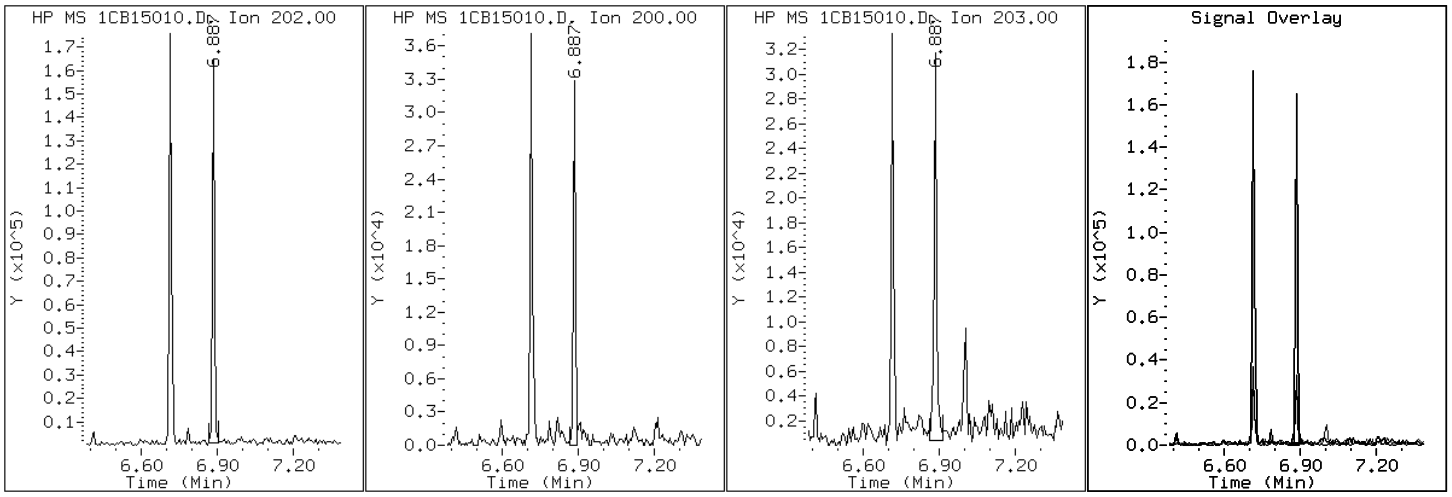
Data File: 1CB15010.D

Date: 15-FEB-2013 13:56

Client ID: CV0748VV-CS Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-a Operator: SCC

16 Pyrene



Manual Integration Report

Data File: 1CB15010.D
Inj. Date and Time: 15-FEB-2013 13:56
Instrument ID: BSMC5973.i
Client ID: CV0748VV-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 02/19/2013

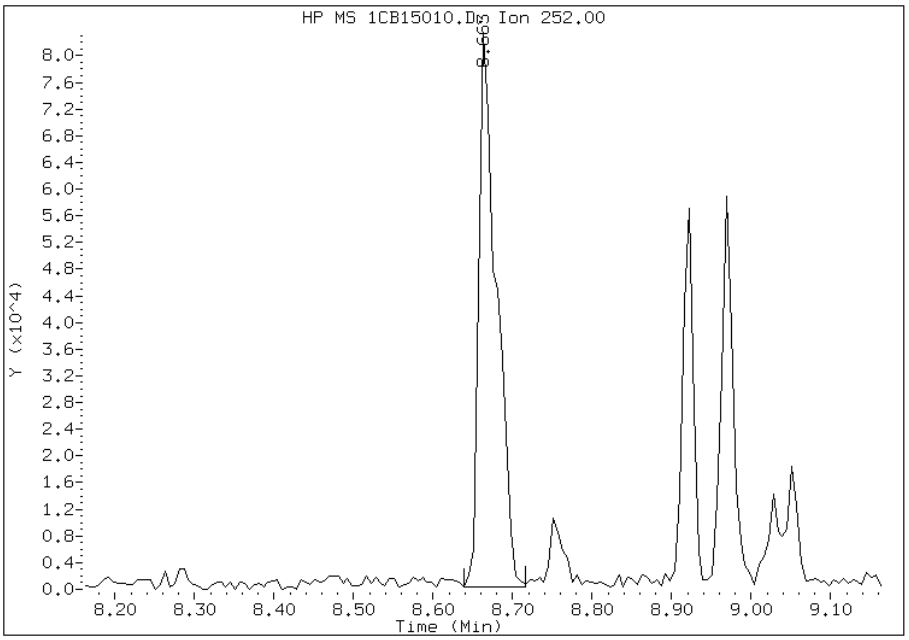
Processing Integration Results

RT: 8.66

Response: 129316

Amount: 1

Conc: 102



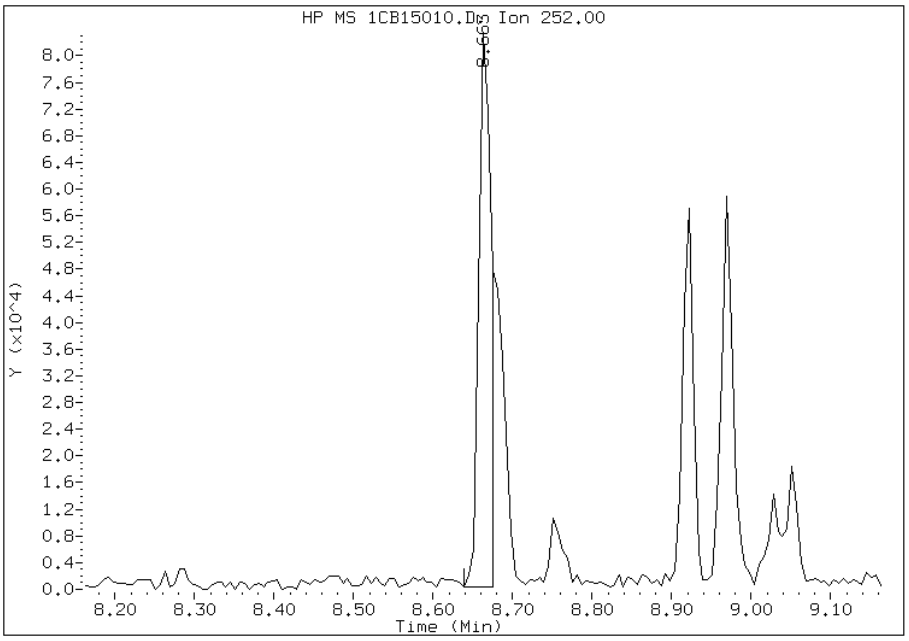
Manual Integration Results

RT: 8.66

Response: 89297

Amount: 1

Conc: 71



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 13:18
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CB15010.D
Inj. Date and Time: 15-FEB-2013 13:56
Instrument ID: BSMC5973.i
Client ID: CV0748VV-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 02/19/2013

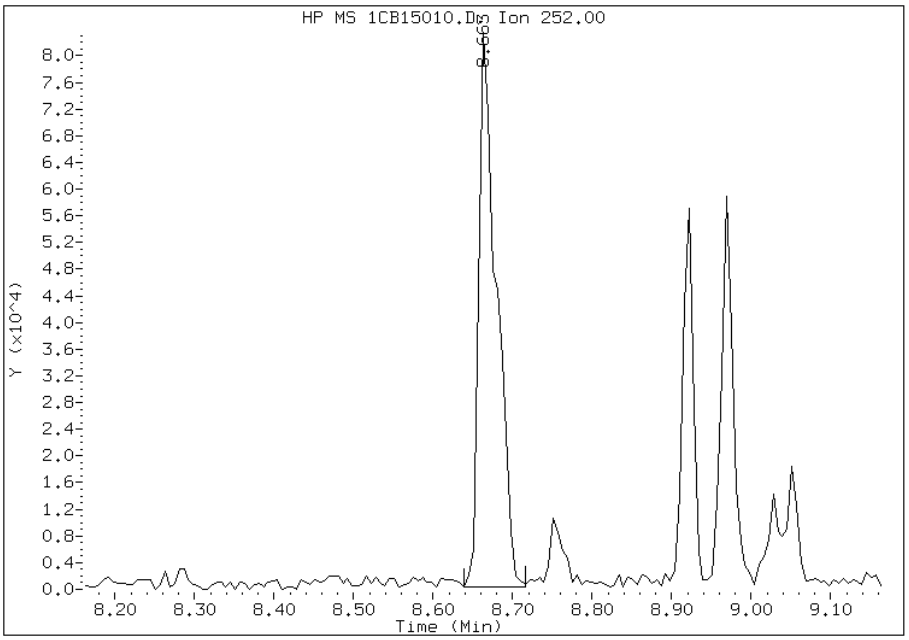
Processing Integration Results

RT: 8.66

Response: 129316

Amount: 1

Conc: 93



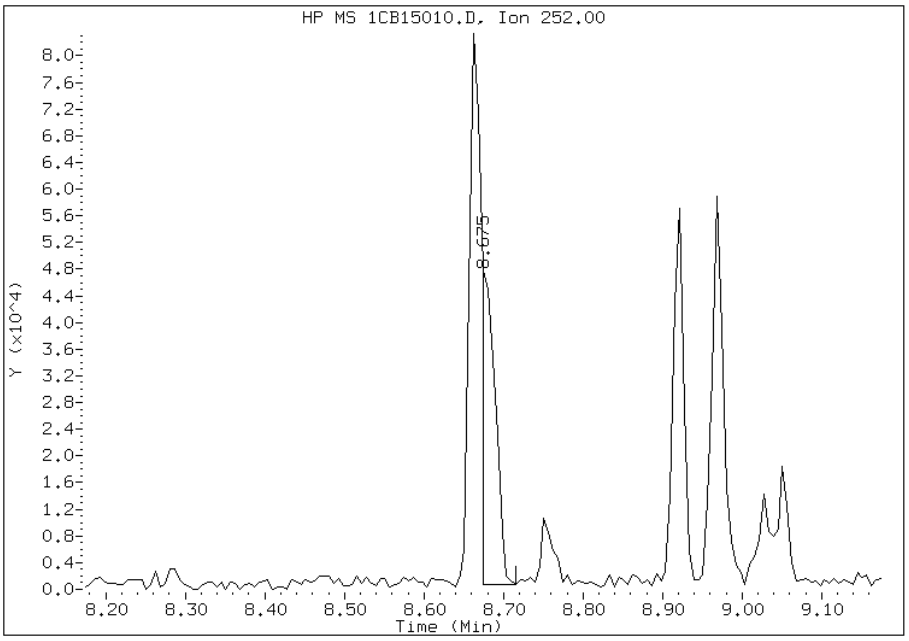
Manual Integration Results

RT: 8.67

Response: 55640

Amount: 1

Conc: 40



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 13:19
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CB15010.D
Inj. Date and Time: 15-FEB-2013 13:56
Instrument ID: BSMC5973.i
Client ID: CV0748VV-CS
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 02/19/2013

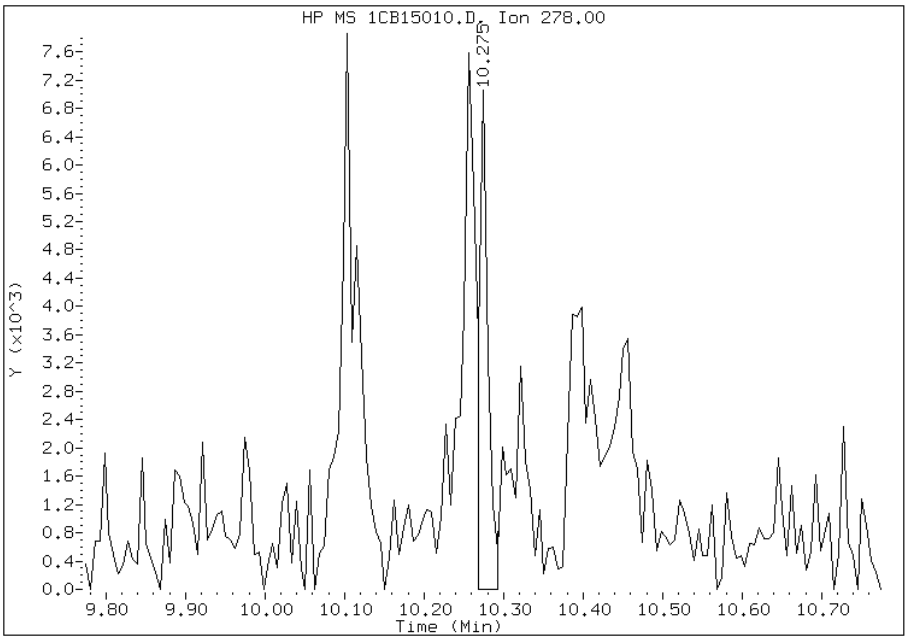
Processing Integration Results

RT: 10.27

Response: 5525

Amount: 0

Conc: 5



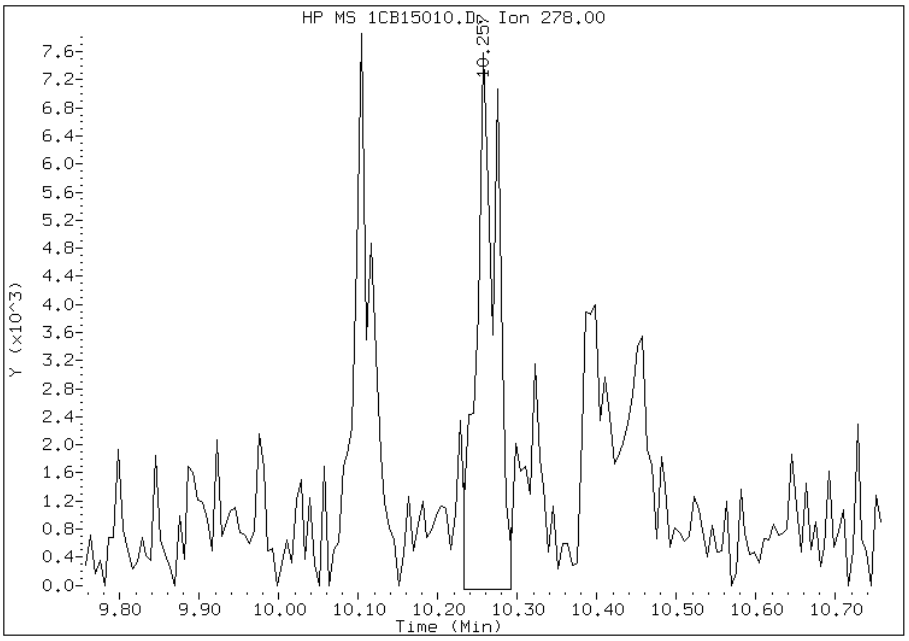
Manual Integration Results

RT: 10.26

Response: 13962

Amount: 0

Conc: 13



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 13:19
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CB15010.D
Inj. Date and Time: 15-FEB-2013 13:56
Instrument ID: BSMC5973.i
Client ID: CV0748VV-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/19/2013

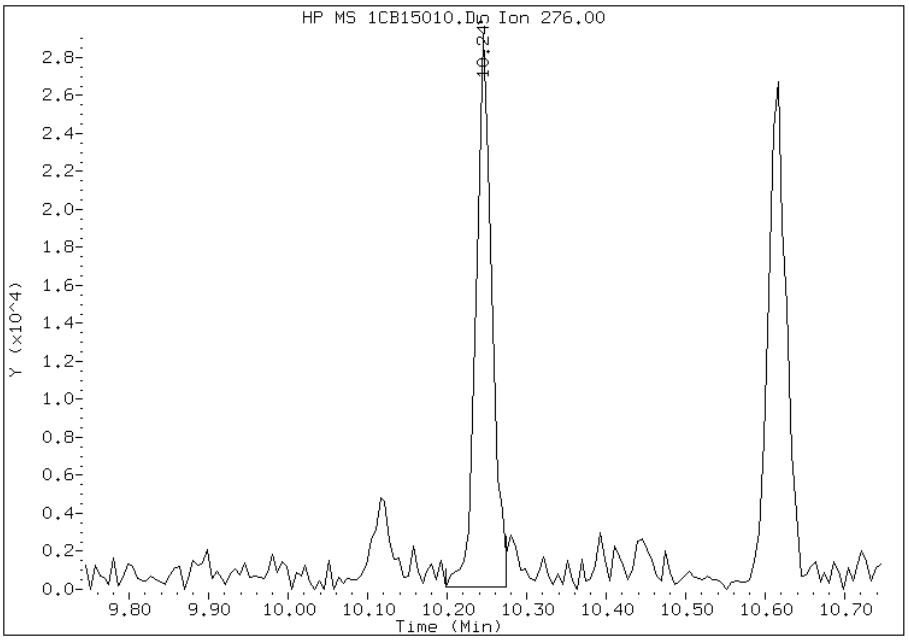
Processing Integration Results

RT: 10.25

Response: 40092

Amount: 0

Conc: 35



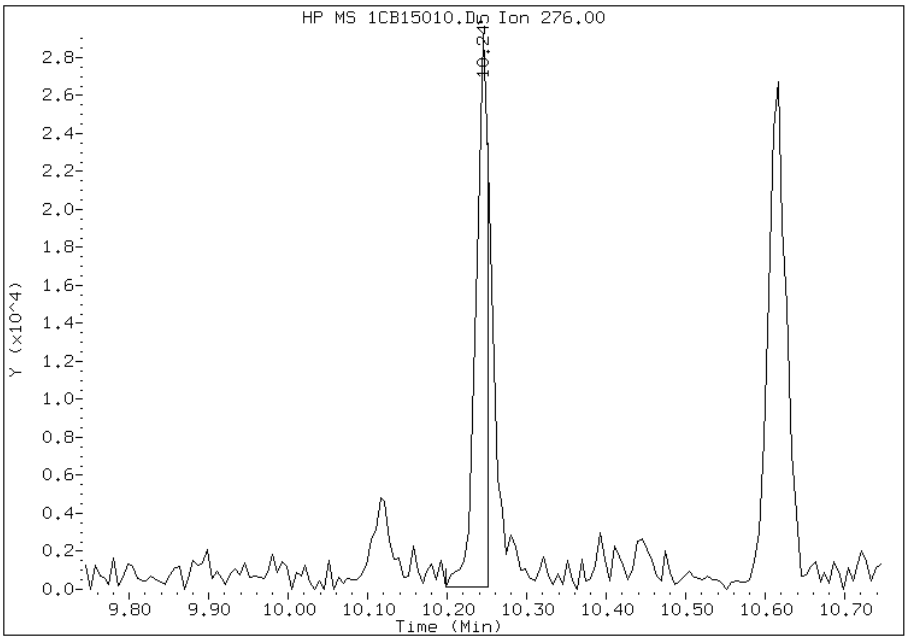
Manual Integration Results

RT: 10.25

Response: 31218

Amount: 0

Conc: 27



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 13:19
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748AAA-CS | Lab Sample ID: 680-87279-23

Matrix: Solid | Lab File ID: 1CB18011.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 14:45

Extract. Method: 3546 | Date Extracted: 02/14/2013 08:35

Sample wt/vol: 15.12(g) | Date Analyzed: 02/18/2013 16:36

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 3.4 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134598 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	99	J	100	21
208-96-8	Acenaphthylene	12	J	41	5.1
120-12-7	Anthracene	260		8.6	4.3
56-55-3	Benzo[a]anthracene	720		8.2	4.0
50-32-8	Benzo[a]pyrene	570		11	5.3
205-99-2	Benzo[b]fluoranthene	830		13	6.3
191-24-2	Benzo[g,h,i]perylene	340		21	4.5
207-08-9	Benzo[k]fluoranthene	380		8.2	3.7
218-01-9	Chrysene	580		9.2	4.6
53-70-3	Dibenz(a,h)anthracene	100		21	4.2
206-44-0	Fluoranthene	1400		21	4.1
86-73-7	Fluorene	100		21	4.2
193-39-5	Indeno[1,2,3-cd]pyrene	310		21	7.3
90-12-0	1-Methylnaphthalene	48		41	4.5
91-57-6	2-Methylnaphthalene	49		41	7.3
91-20-3	Naphthalene	77		41	4.5
85-01-8	Phenanthrene	890		8.2	4.0
129-00-0	Pyrene	1100		21	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	75		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\1CB18011.D
Lab Smp Id: 680-87279-A-23-A Client Smp ID: CV0748AAA-CS
Inj Date : 18-FEB-2013 16:36
Operator : SCC Inst ID: BSMC5973.i
Smp Info : 680-87279-A-23-A
Misc Info : 680-87279-A-23-A
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\a-bFASTPAHi-m.m
Meth Date : 18-Feb-2013 14:24 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.120	Weight Extracted
M	3.363	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	3.816	3.816	(1.000)	1883315	40.0000	
* 6 Acenaphthene-d10	164	4.904	4.904	(1.000)	1501578	40.0000	
* 10 Phenanthrene-d10	188	5.857	5.857	(1.000)	2796283	40.0000	
$ 14 o-Terphenyl	230	6.109	6.109	(1.043)	305857	7.46504	510.9021
* 18 Chrysene-d12	240	7.803	7.809	(1.000)	2919645	40.0000	
* 23 Perylene-d12	264	9.021	9.027	(1.000)	2773378	40.0000	
2 Naphthalene	128	3.827	3.827	(1.003)	56375	1.12964	77.3116
3 2-Methylnaphthalene	142	4.251	4.257	(1.114)	23452	0.72272	49.4623
4 1-Methylnaphthalene	142	4.315	4.315	(1.131)	20615	0.69852	47.8060
5 Acenaphthylene	152	4.815	4.815	(0.982)	10241	0.17143	11.7324
7 Acenaphthene	154	4.921	4.921	(1.004)	54365	1.45099	99.3047
9 Fluorene	166	5.239	5.245	(1.068)	72869	1.51509	103.6920
11 Phenanthrene	178	5.874	5.874	(1.003)	1081868	12.9616	887.0834
12 Anthracene	178	5.904	5.909	(1.008)	281352	3.74132	256.0533

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	6.009	6.015	(1.026)	215106	3.29304	225.3735
15 Fluoranthene	202	6.709	6.715	(1.146)	1666891	20.4379	1398.7532
16 Pyrene	202	6.880	6.880	(0.882)	1273788	16.3877	1121.5665
17 Benzo(a)anthracene	228	7.798	7.798	(0.999)	843454	10.4760	716.9681
19 Chrysene	228	7.821	7.827	(1.002)	705716	8.48564	580.7516
20 Benzo(b)fluoranthene	252	8.662	8.662	(0.960)	822611	12.0983	827.9966(M)
21 Benzo(k)fluoranthene	252	8.674	8.686	(0.962)	412911	5.51231	377.2589(M)
22 Benzo(a)pyrene	252	8.962	8.968	(0.993)	536407	8.29064	567.4062
24 Indeno(1,2,3-cd)pyrene	276	10.239	10.250	(1.135)	277967	4.47300	306.1294(M)
25 Dibenzo(a,h)anthracene	278	10.256	10.268	(1.137)	88720	1.51394	103.6128
26 Benzo(g,h,i)perylene	276	10.609	10.621	(1.176)	310965	4.92617	337.1437

QC Flag Legend

M - Compound response manually integrated.

Data File: 1CB18011.D

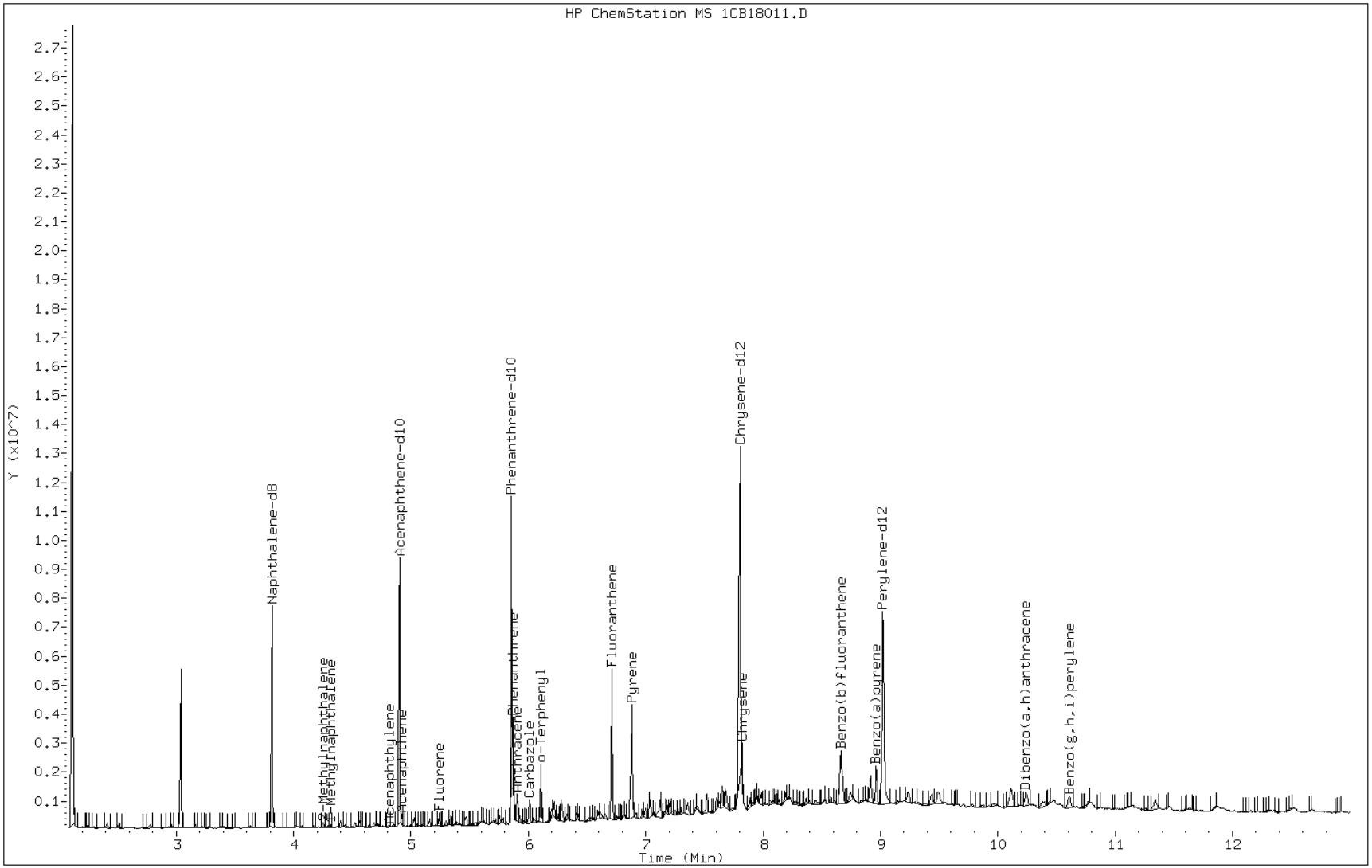
Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS

Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A

Operator: SCC



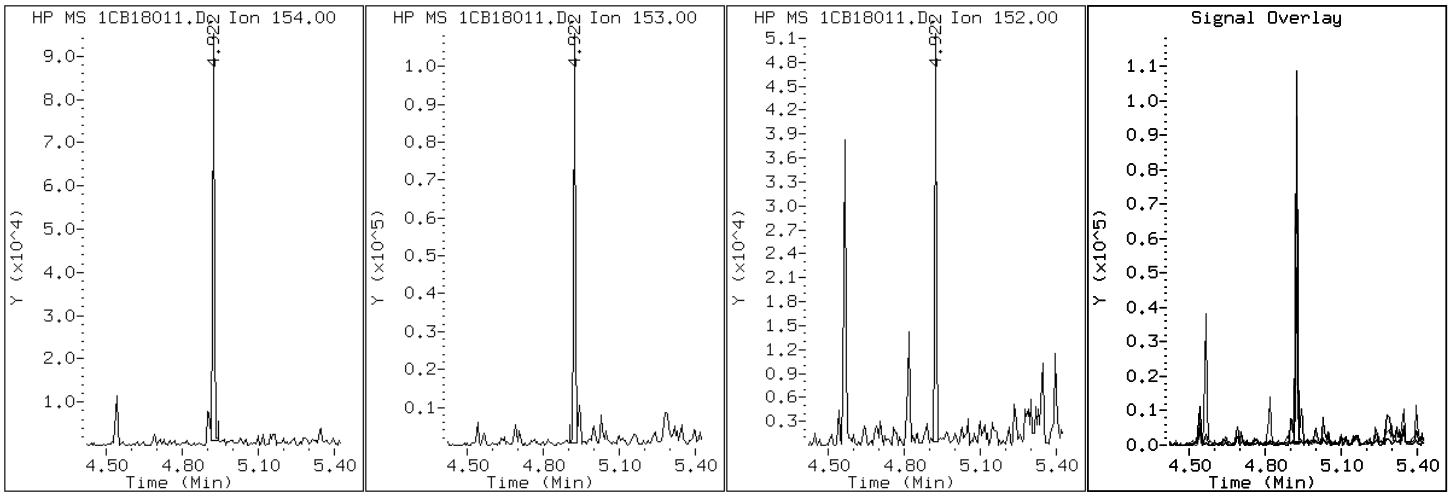
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

7 Acenaphthene



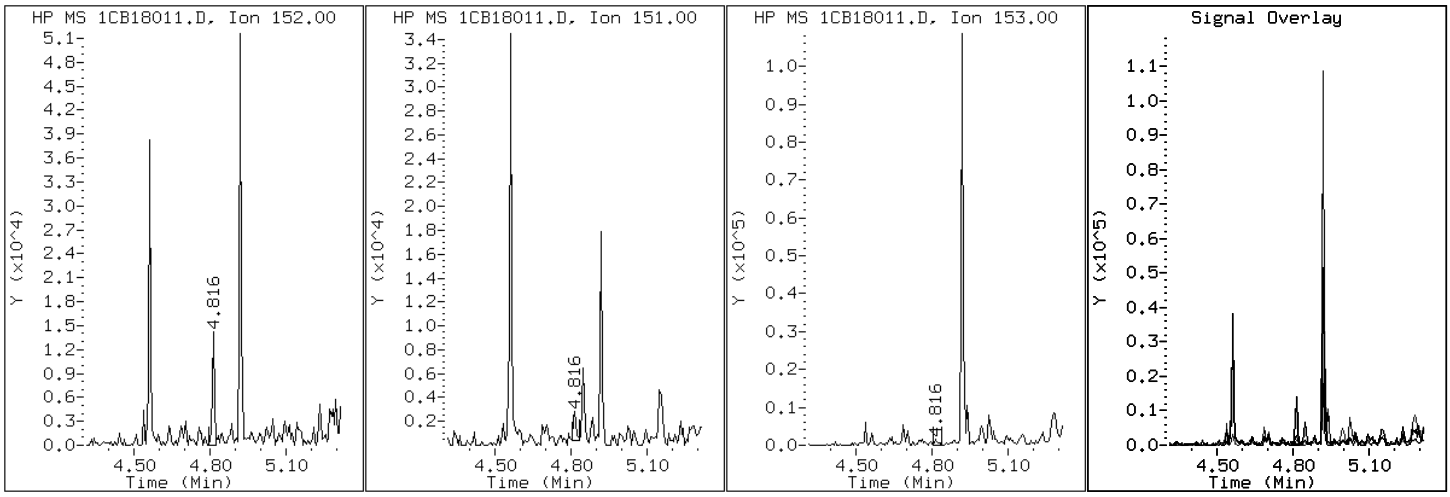
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

5 Acenaphthylene



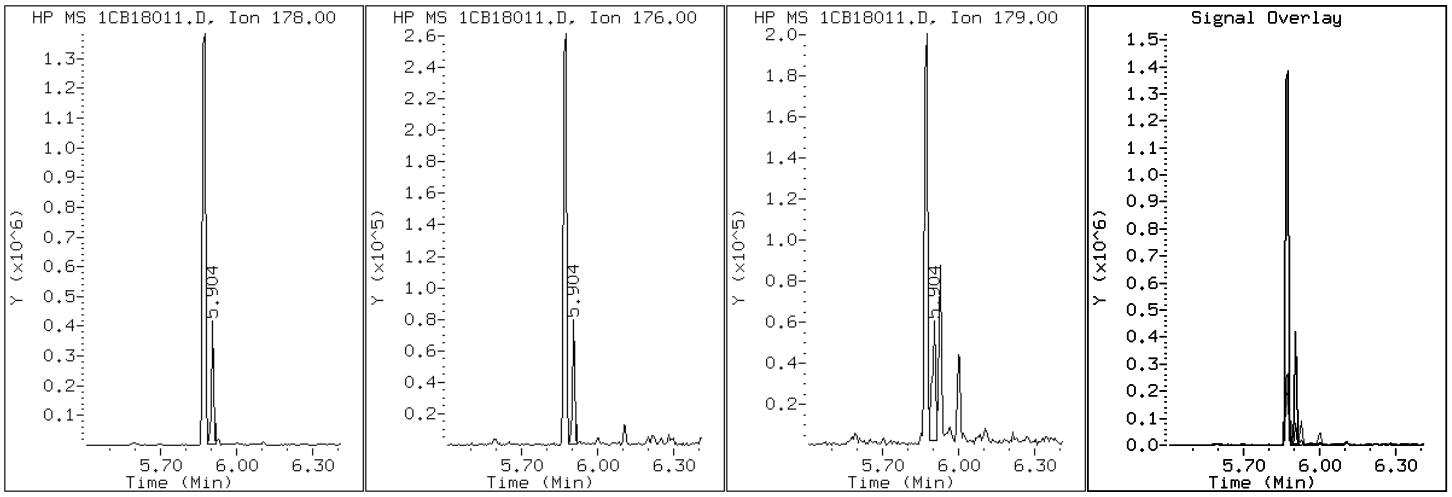
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

12 Anthracene



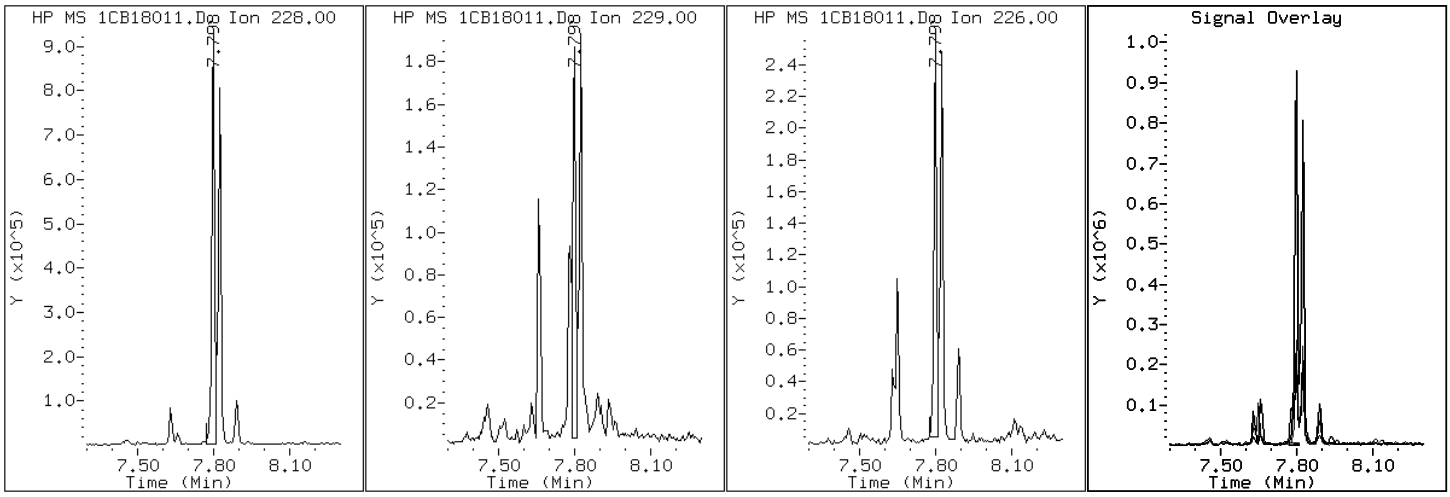
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

17 Benzo(a)anthracene



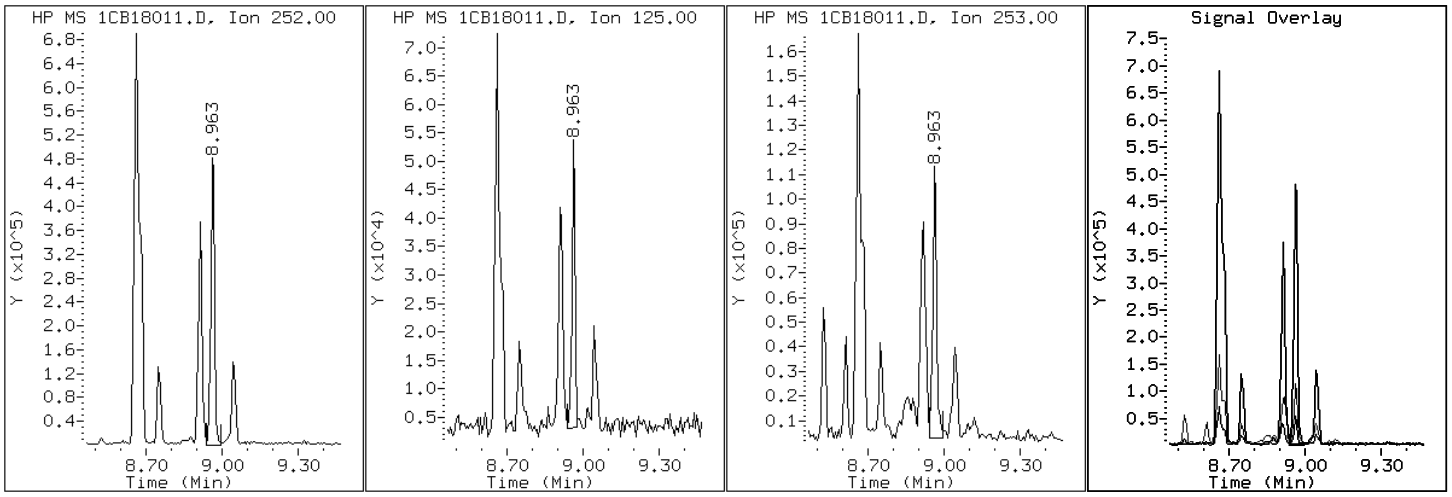
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

22 Benzo(a)pyrene



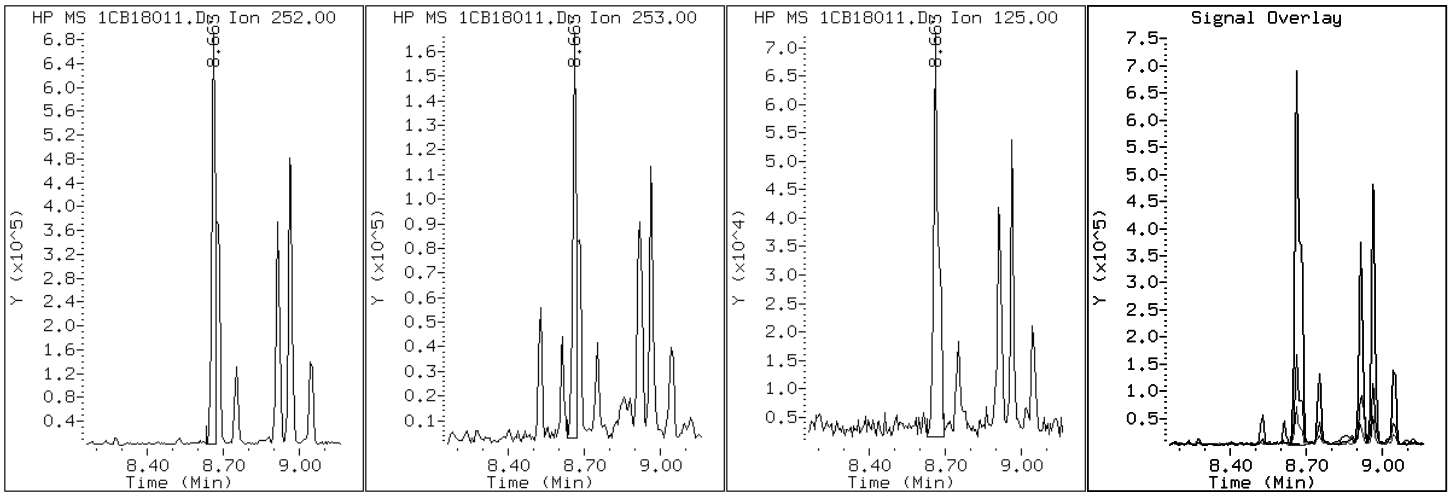
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

20 Benzo(b)fluoranthene



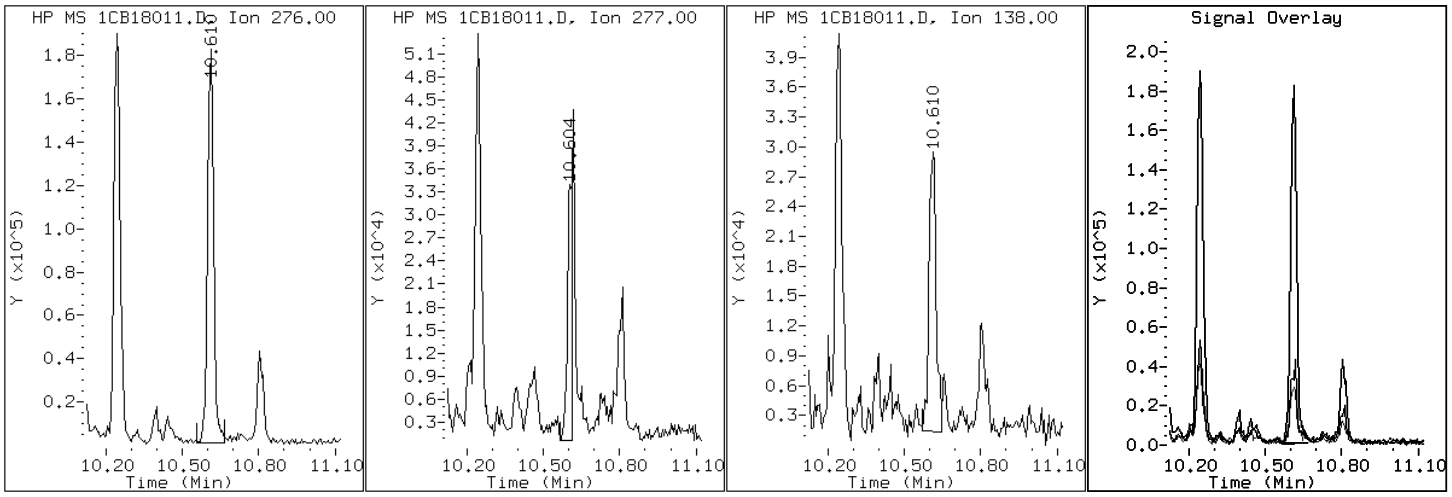
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

26 Benzo(g,h,i)perylene



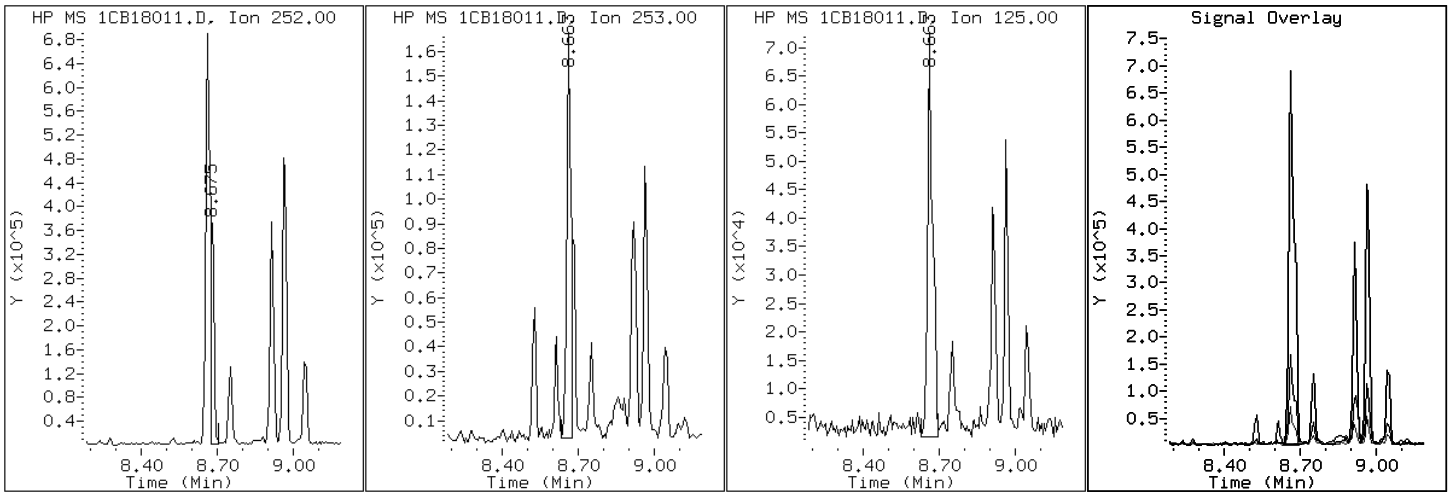
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

21 Benzo(k)fluoranthene



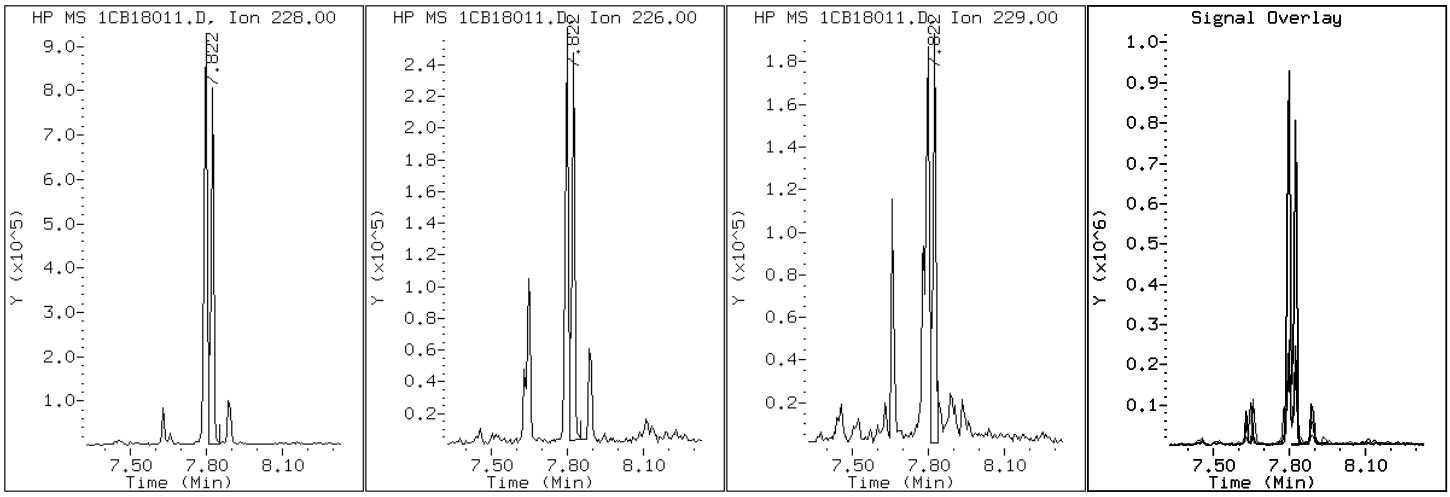
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

19 Chrysene



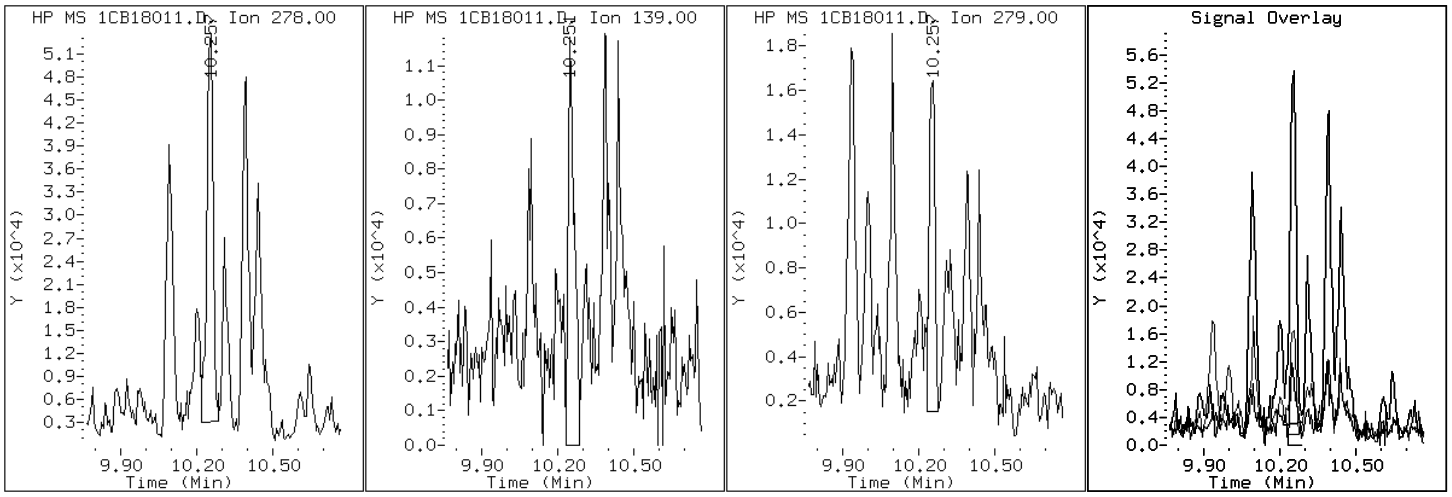
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

25 Dibenzo(a,h)anthracene



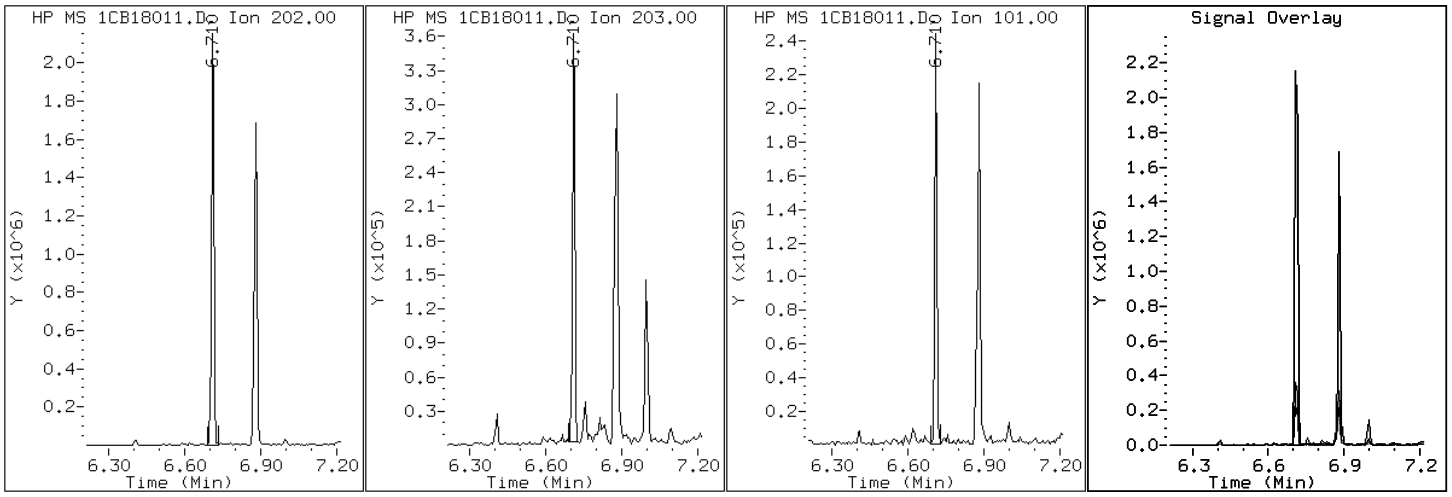
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

15 Fluoranthene



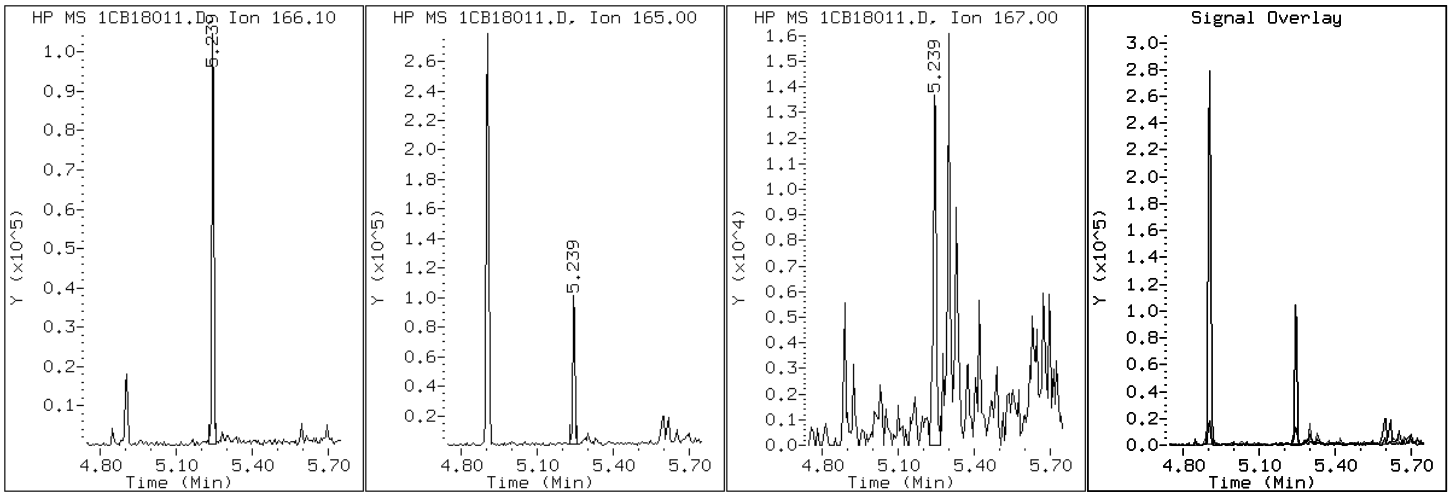
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

9 Fluorene



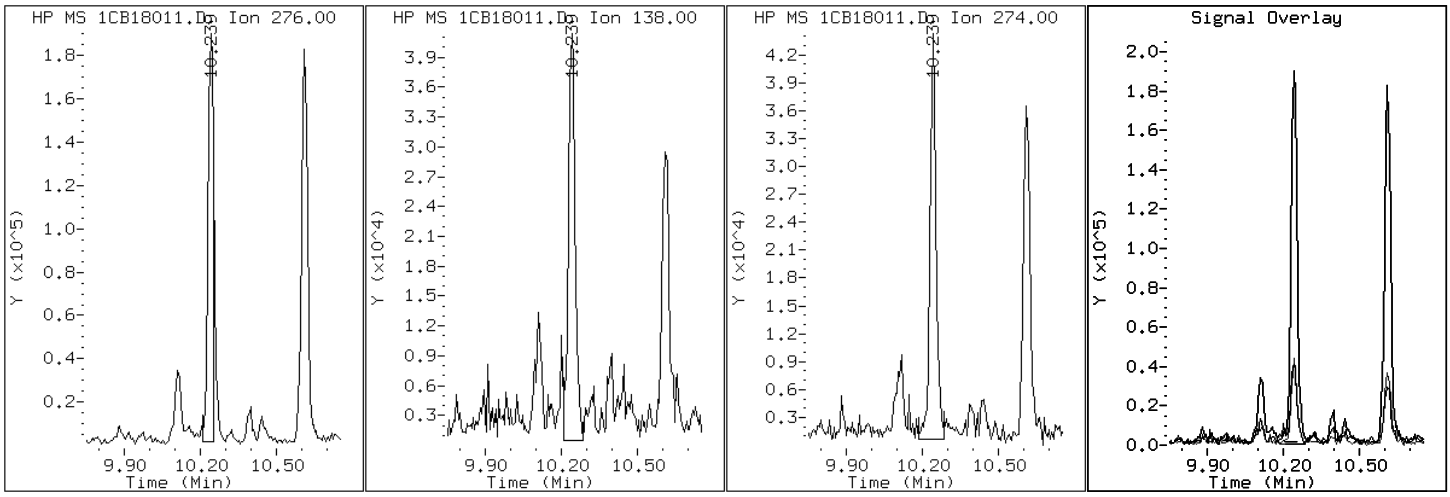
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

24 Indeno(1,2,3-cd)pyrene



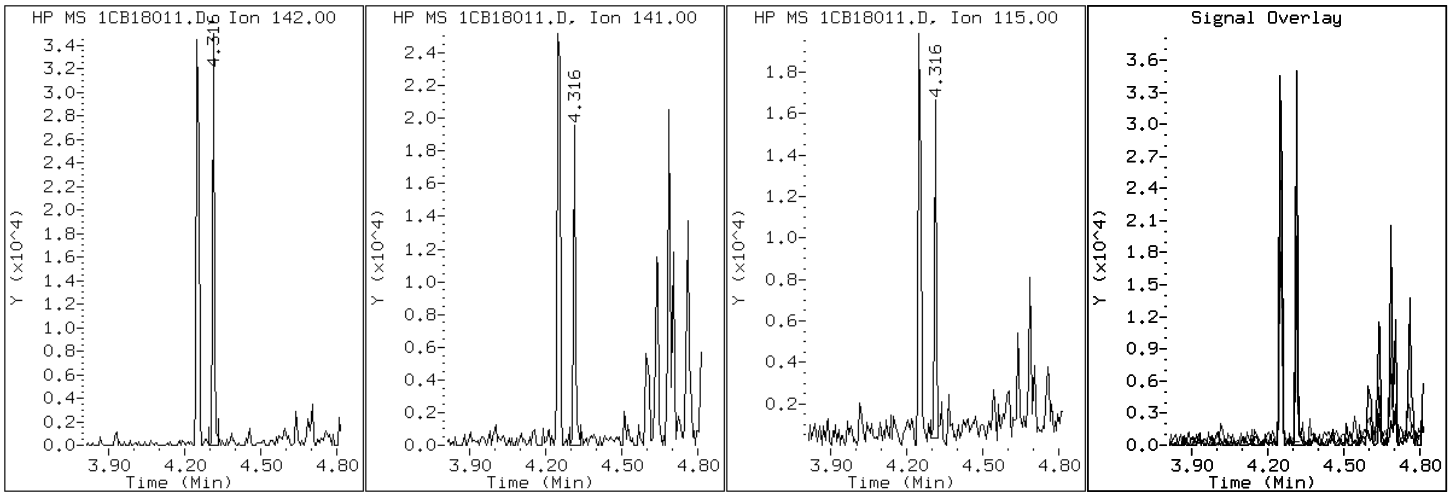
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

4 1-Methylnaphthalene



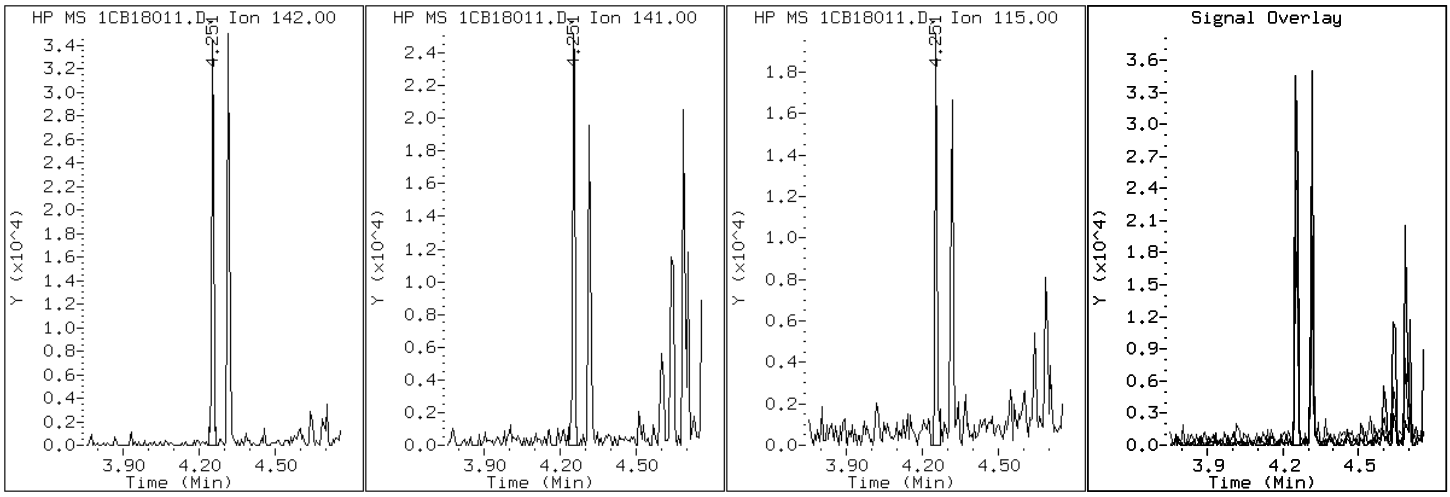
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

3 2-Methylnaphthalene



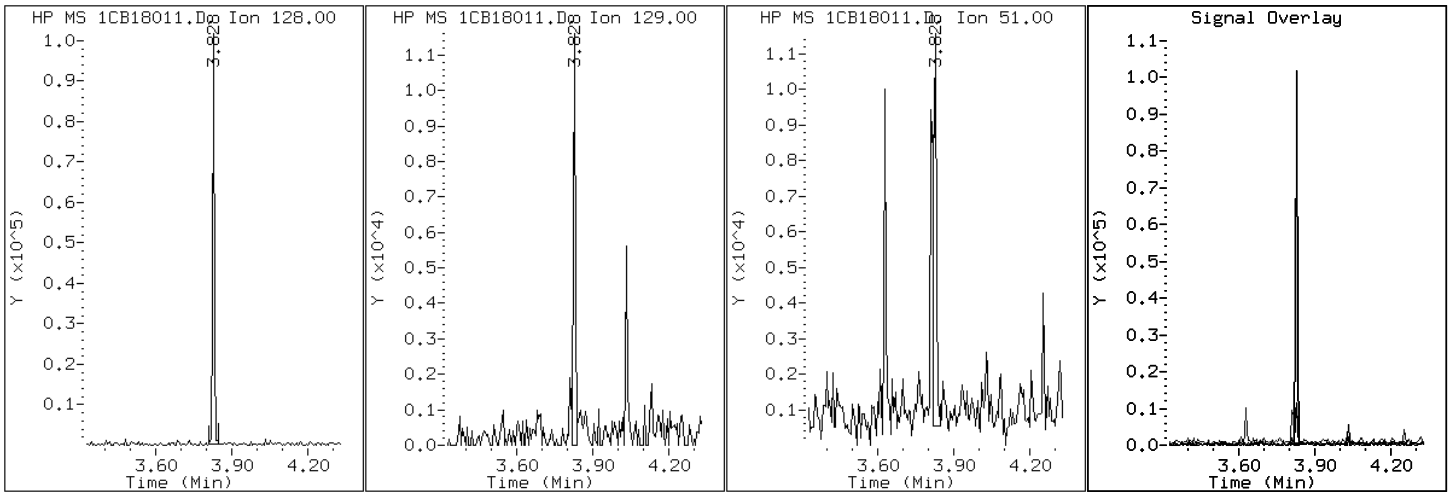
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

2 Naphthalene



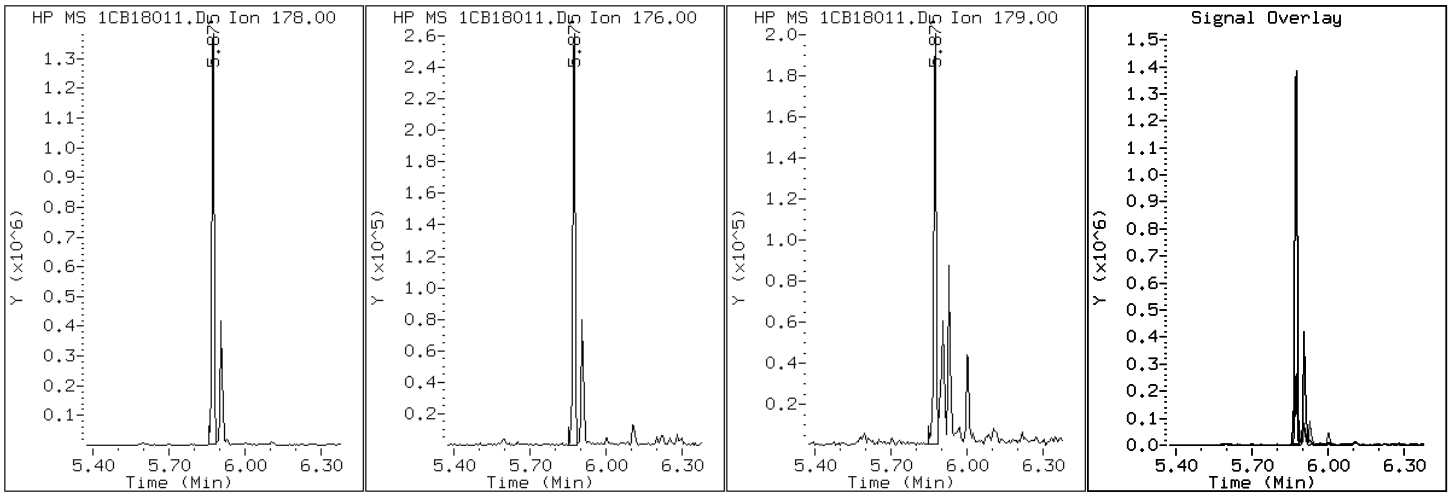
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

11 Phenanthrene



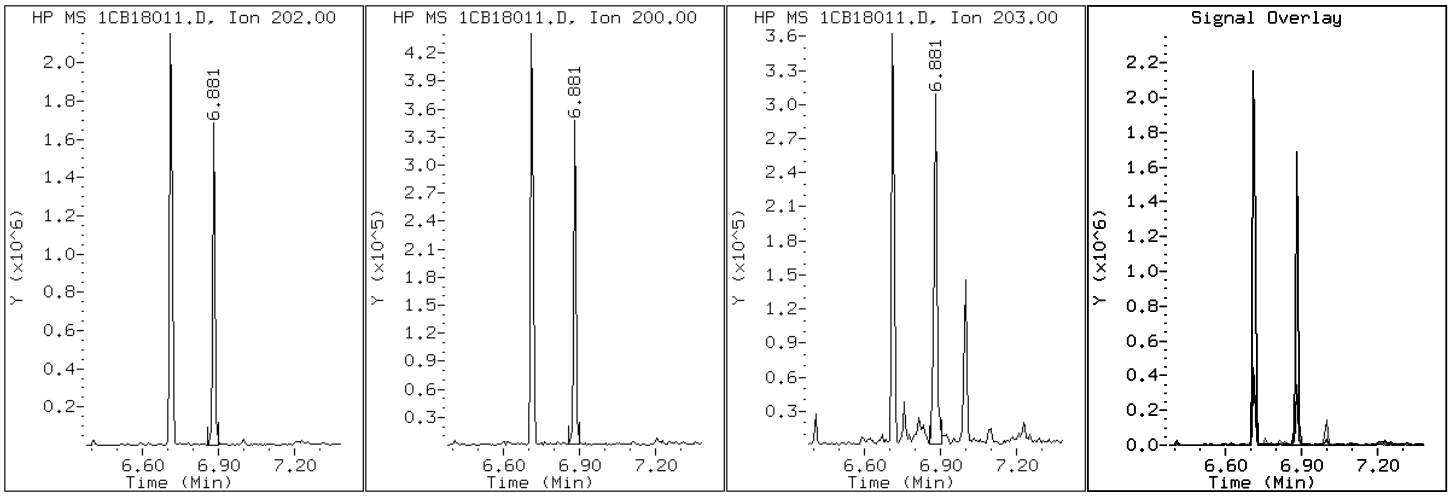
Data File: 1CB18011.D

Date: 18-FEB-2013 16:36

Client ID: CV0748AAA-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-23-A Operator: SCC

16 Pyrene



Manual Integration Report

Data File: 1CB18011.D
Inj. Date and Time: 18-FEB-2013 16:36
Instrument ID: BSMC5973.i
Client ID: CV0748AAA-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 02/19/2013

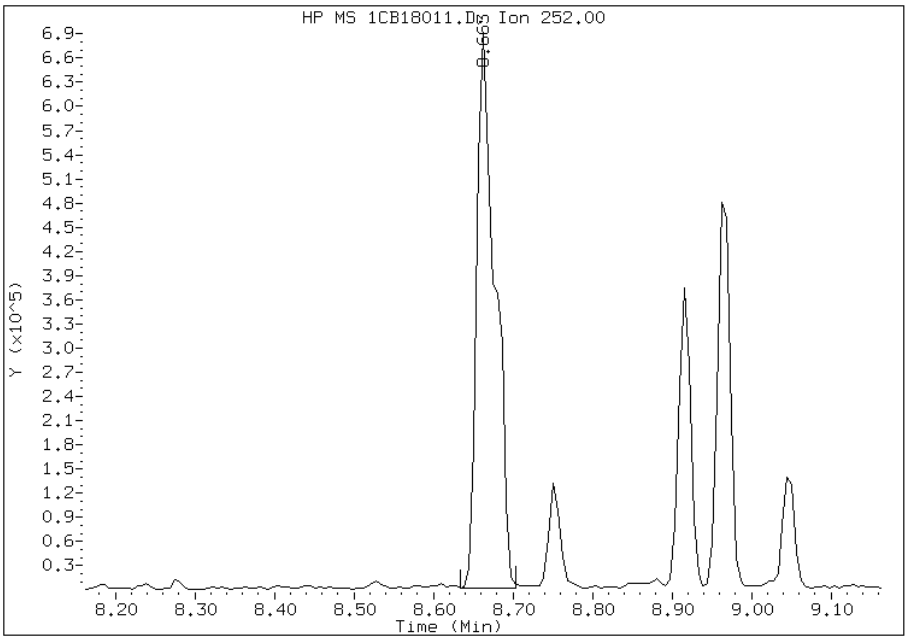
Processing Integration Results

RT: 8.66

Response: 1102031

Amount: 16

Conc: 1109



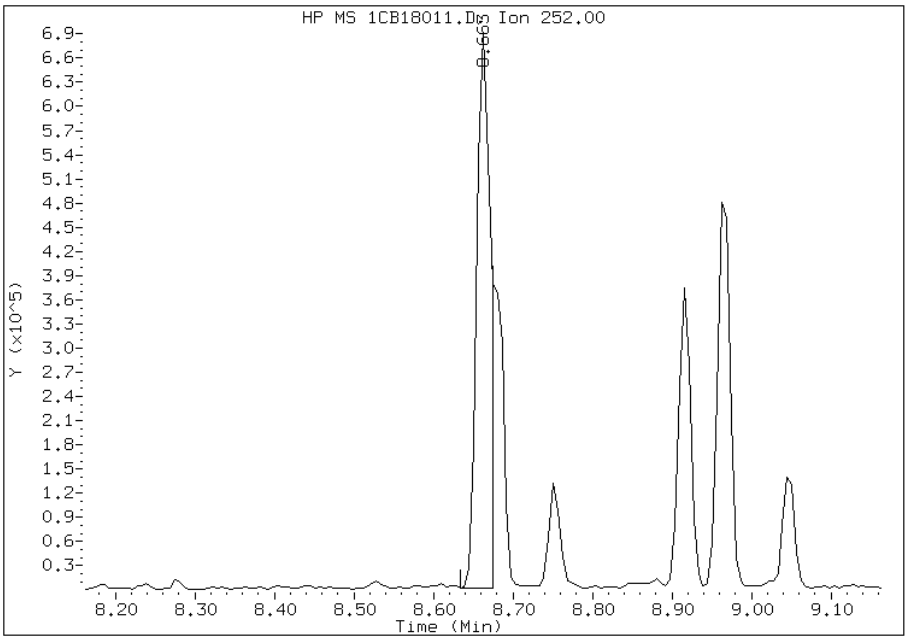
Manual Integration Results

RT: 8.66

Response: 822611

Amount: 12

Conc: 828



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 09:52
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CB18011.D
Inj. Date and Time: 18-FEB-2013 16:36
Instrument ID: BSMC5973.i
Client ID: CV0748AAA-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 02/19/2013

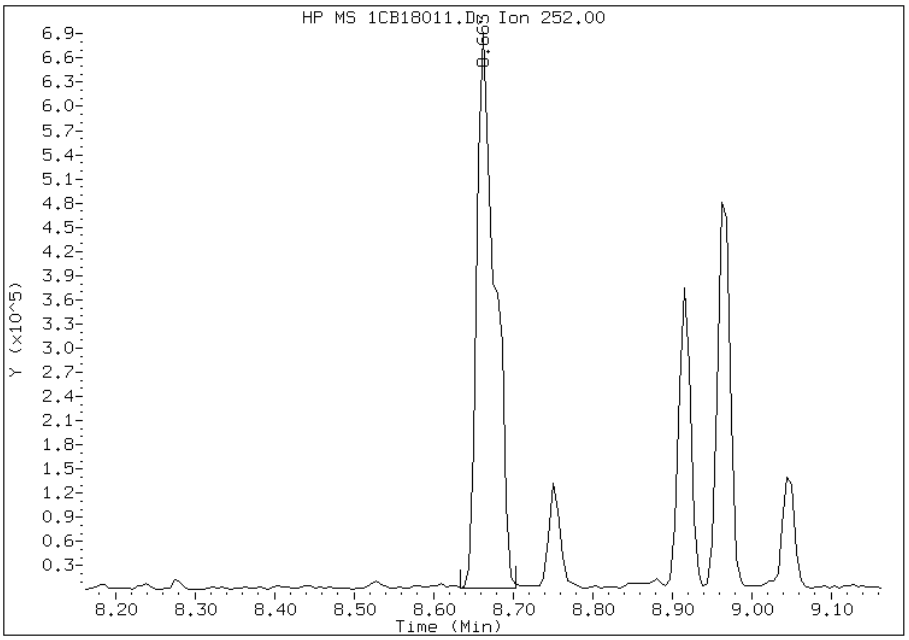
Processing Integration Results

RT: 8.66

Response: 1102031

Amount: 15

Conc: 1007



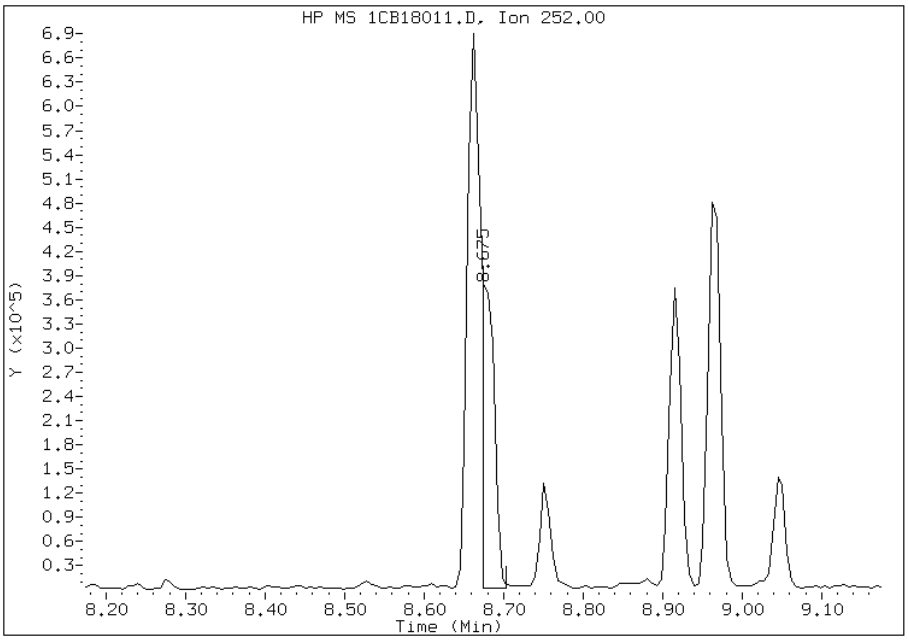
Manual Integration Results

RT: 8.67

Response: 412911

Amount: 6

Conc: 377



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 09:52
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CB18011.D
Inj. Date and Time: 18-FEB-2013 16:36
Instrument ID: BSMC5973.i
Client ID: CV0748AAA-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/19/2013

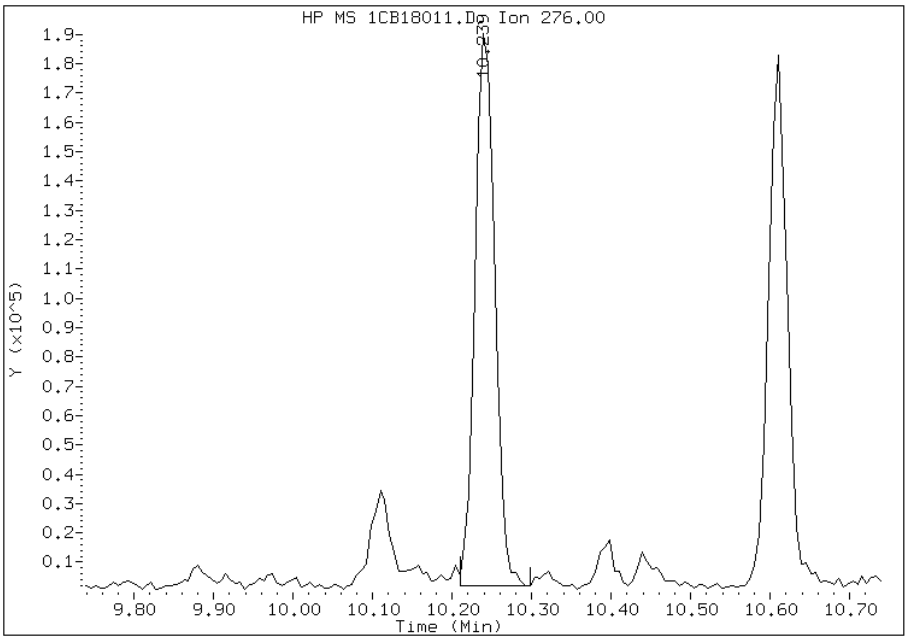
Processing Integration Results

RT: 10.24

Response: 324443

Amount: 5

Conc: 357



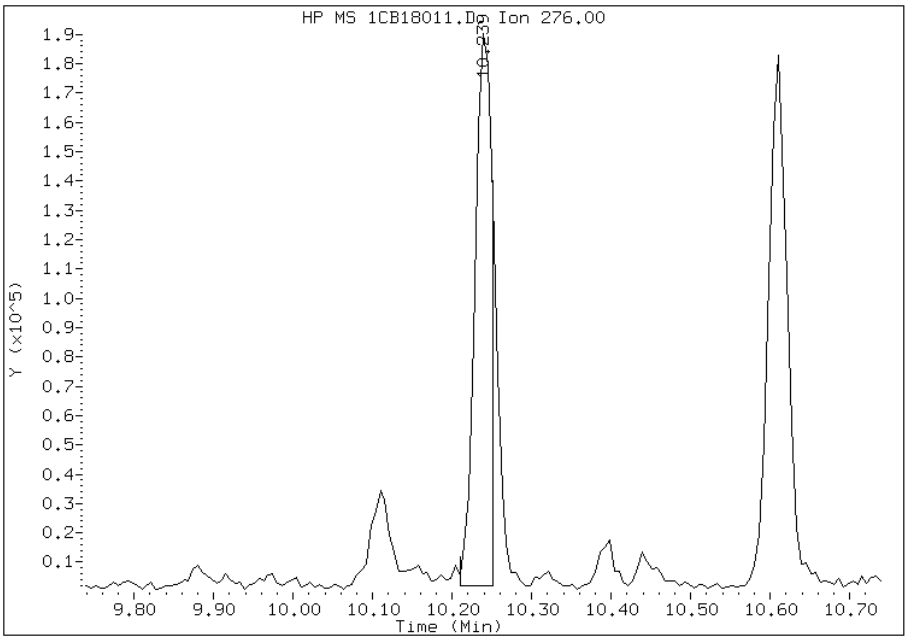
Manual Integration Results

RT: 10.24

Response: 277967

Amount: 4

Conc: 306



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 09:53
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748CCC-CS | Lab Sample ID: 680-87279-24

Matrix: Solid | Lab File ID: 1AB15018.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 15:08

Extract. Method: 3546 | Date Extracted: 02/14/2013 08:35

Sample wt/vol: 15.00(g) | Date Analyzed: 02/15/2013 18:23

Con. Extract Vol.: 1(mL) | Dilution Factor: 4

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 10.7 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134532 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	450	U	450	90
208-96-8	Acenaphthylene	55	J	180	22
120-12-7	Anthracene	110		38	19
56-55-3	Benzo[a]anthracene	350		36	17
50-32-8	Benzo[a]pyrene	310		47	23
205-99-2	Benzo[b]fluoranthene	440		55	27
191-24-2	Benzo[g,h,i]perylene	350		90	20
207-08-9	Benzo[k]fluoranthene	160		36	16
218-01-9	Chrysene	350		40	20
53-70-3	Dibenz(a,h)anthracene	120		90	18
206-44-0	Fluoranthene	570		90	18
86-73-7	Fluorene	25	J	90	18
193-39-5	Indeno[1,2,3-cd]pyrene	280		90	32
90-12-0	1-Methylnaphthalene	63	J	180	20
91-57-6	2-Methylnaphthalene	87	J	180	32
91-20-3	Naphthalene	100	J	180	20
85-01-8	Phenanthrene	360		36	17
129-00-0	Pyrene	510		90	17

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	101		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15018.D
Lab Smp Id: 680-87279-A-24-A Client Smp ID: CV0748CCC-CS
Inj Date : 15-FEB-2013 18:23
Operator : SCC Inst ID: BSMA5973.i
Smp Info : 680-87279-a-24-a
Misc Info : 680-87279-A-24-A
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 15:32 cantins Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 15
Dil Factor: 4.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	4.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.000	Weight Extracted
M	10.714	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	2.418	2.415	(1.000)	796260	40.0000	
* 6 Acenaphthene-d10	164	3.444	3.441	(1.000)	517200	40.0000	
* 10 Phenanthrene-d10	188	4.390	4.386	(1.000)	804194	40.0000	
$ 14 o-Terphenyl	230	4.667	4.664	(1.063)	29487	2.52341	753.6592
* 18 Chrysene-d12	240	6.409	6.411	(1.000)	535735	40.0000	
* 23 Perylene-d12	264	7.509	7.501	(1.000)	688431	40.0000	
2 Naphthalene	128	2.429	2.426	(1.004)	6543	0.33854	101.1107
3 2-Methylnaphthalene	141	2.830	2.832	(1.170)	3000	0.28975	86.5372
4 1-Methylnaphthalene	142	2.888	2.885	(1.194)	2455	0.20946	62.5588
5 Acenaphthylene	152	3.359	3.355	(0.975)	4212	0.18444	55.0852
9 Fluorene	166	3.770	3.772	(1.095)	1288	0.08287	24.7509
11 Phenanthrene	178	4.400	4.402	(1.002)	26337	1.19943	358.2298
12 Anthracene	178	4.432	4.434	(1.010)	7915	0.35355	105.5926
13 Carbazole	167	4.593	4.589	(1.046)	4668	0.24325	72.6502

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
15 Fluoranthene	202	5.266	5.262	(1.200)	41378	1.90069	567.6740
16 Pyrene	202	5.431	5.433	(0.847)	33347	1.72353	514.7616
17 Benzo(a)anthracene	228	6.404	6.395	(0.999)	18777	1.17383	350.5846
19 Chrysene	228	6.425	6.427	(1.002)	18466	1.18433	353.7193
20 Benzo(b)fluoranthene	252	7.226	7.217	(0.962)	28075	1.46115	436.3978(M)
21 Benzo(k)fluoranthene	252	7.237	7.239	(0.964)	10457	0.52053	155.4648(M)
22 Benzo(a)pyrene	252	7.456	7.452	(0.993)	19073	1.04532	312.2011
24 Indeno(1,2,3-cd)pyrene	276	8.241	8.238	(1.097)	13345	0.92624	276.6375(M)
25 Dibenzo(a,h)anthracene	278	8.252	8.254	(1.099)	5924	0.41129	122.8382
26 Benzo(g,h,i)perylene	276	8.455	8.446	(1.126)	17637	1.18160	352.9055

QC Flag Legend

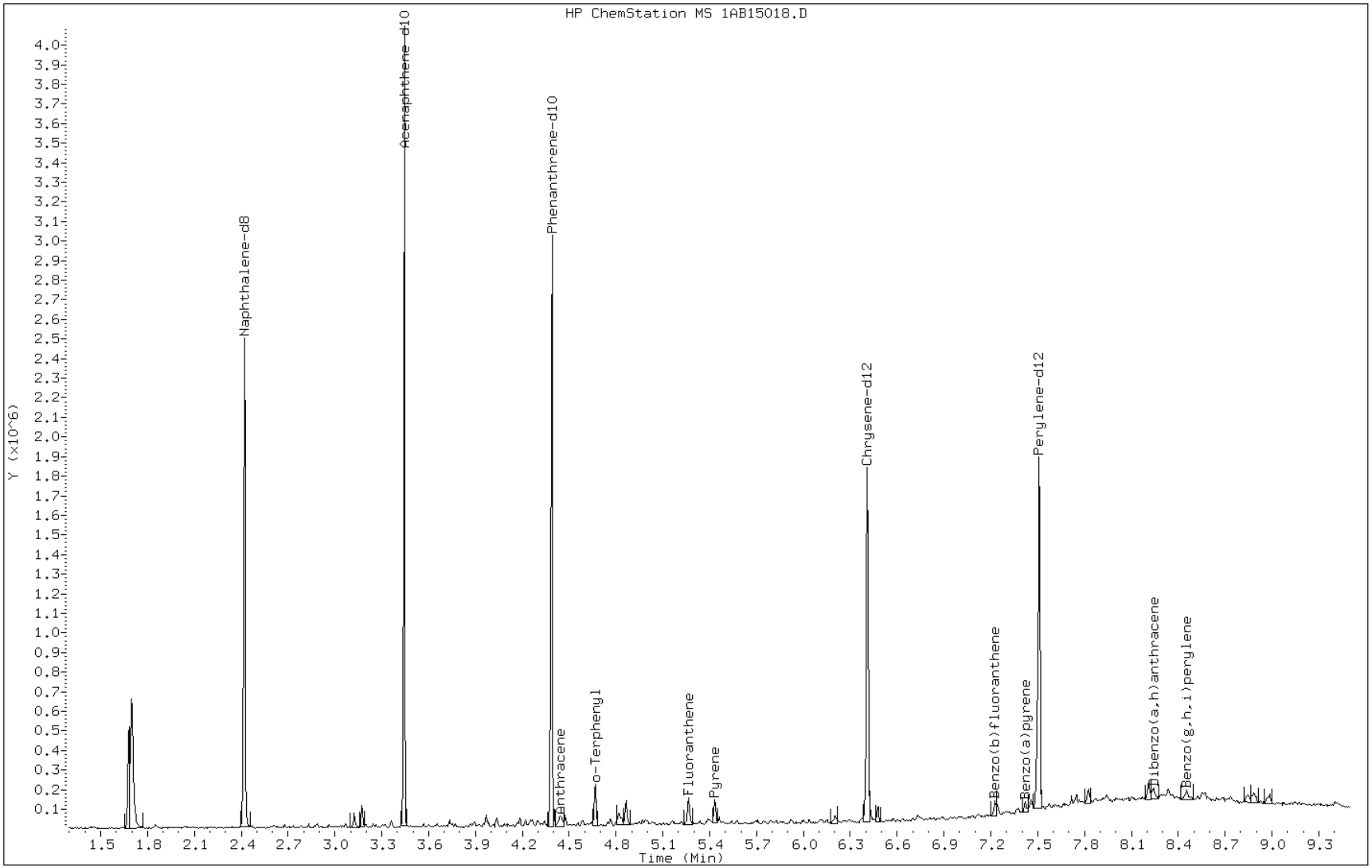
M - Compound response manually integrated.

Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC



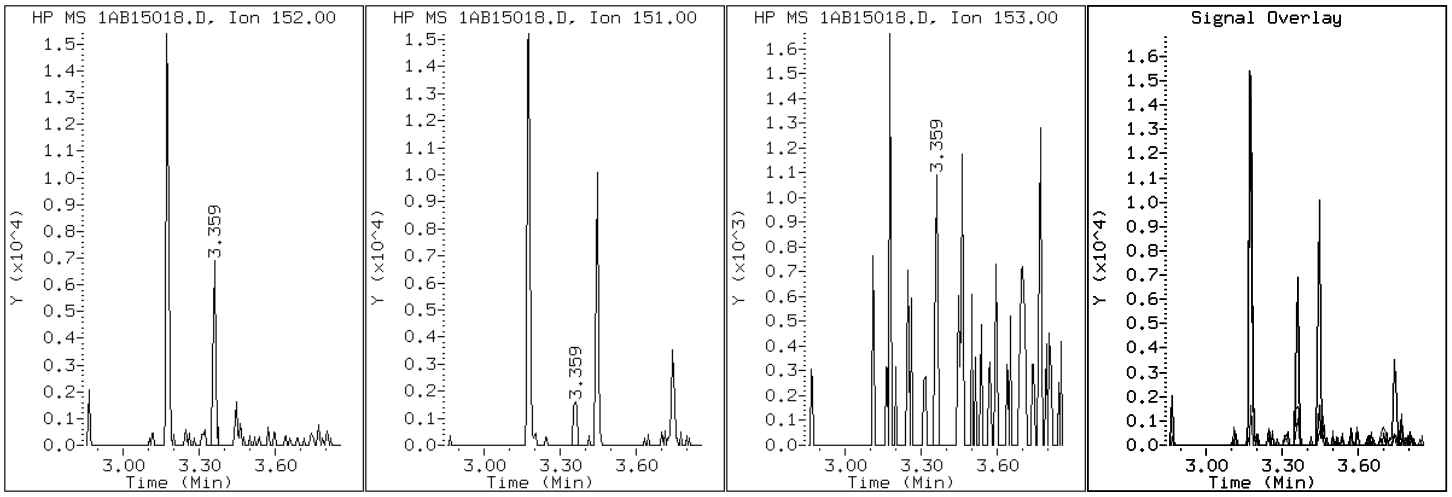
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

5 Acenaphthylene



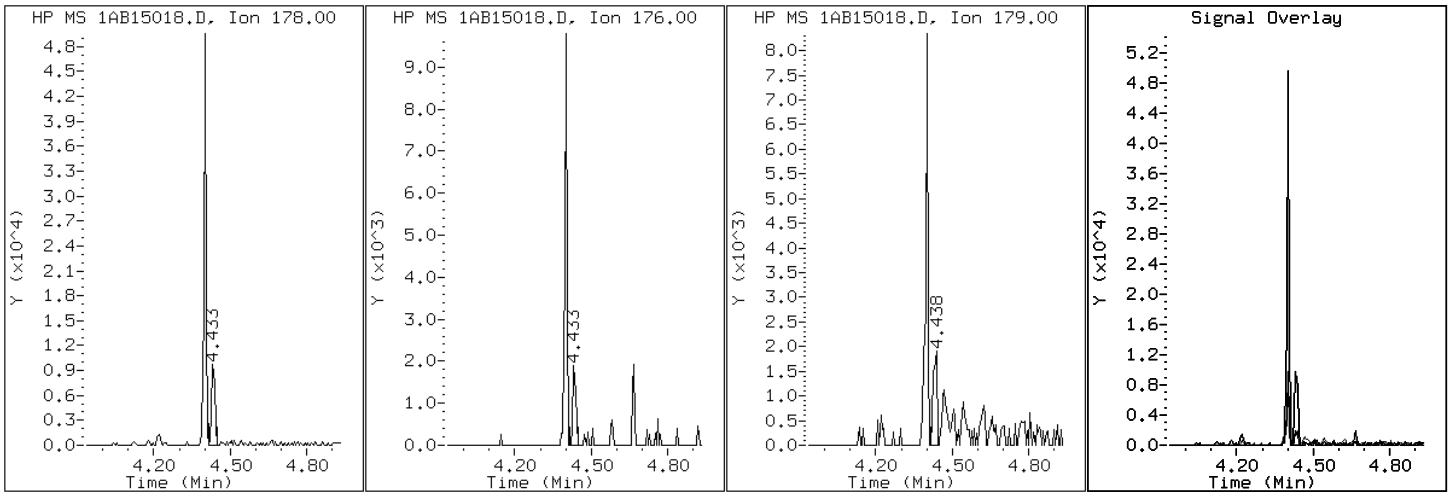
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

12 Anthracene



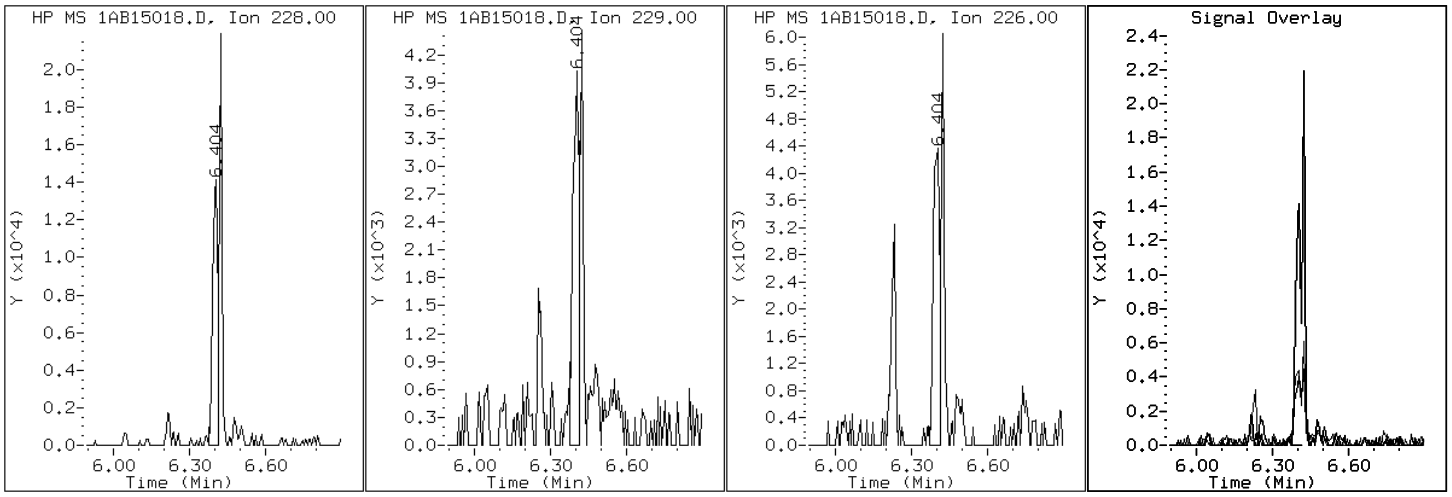
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

17 Benzo(a)anthracene



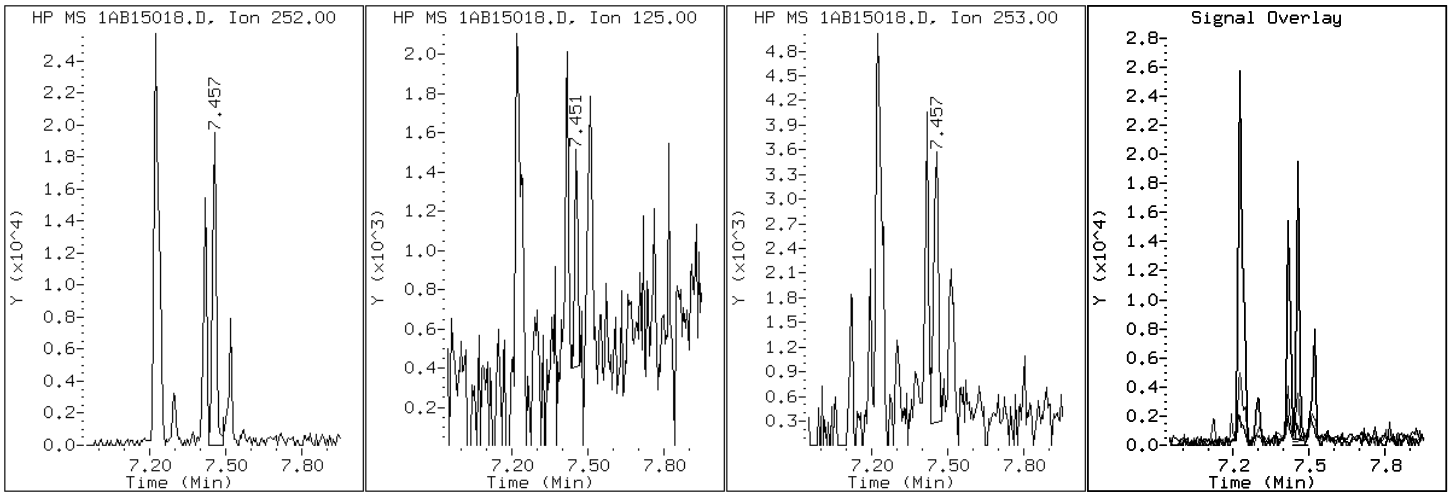
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

22 Benzo(a)pyrene



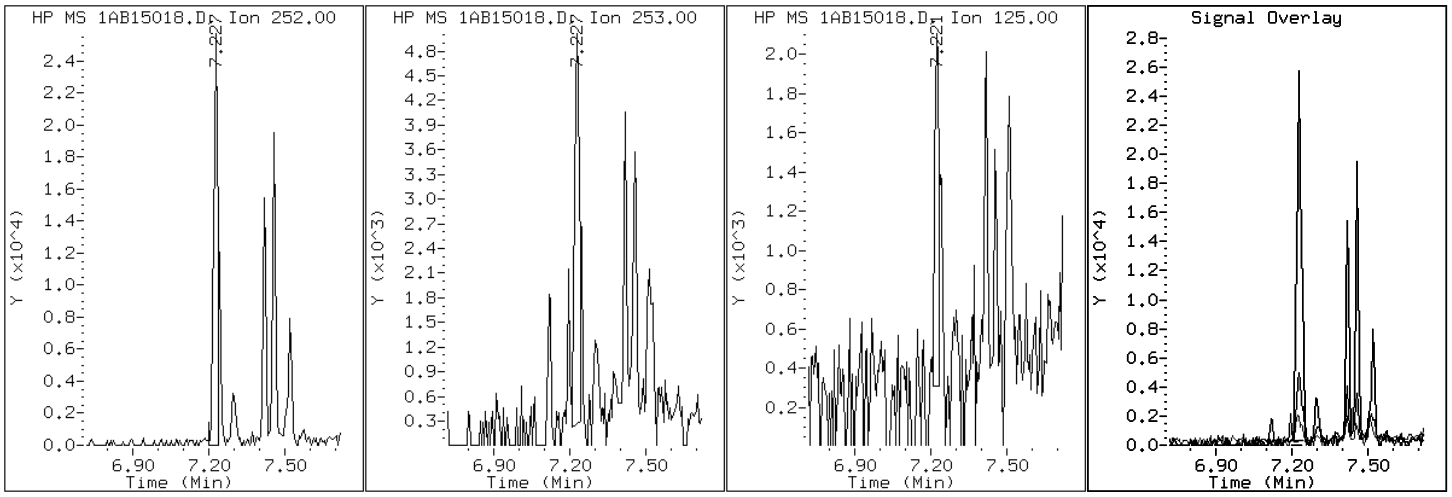
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

20 Benzo(b)fluoranthene



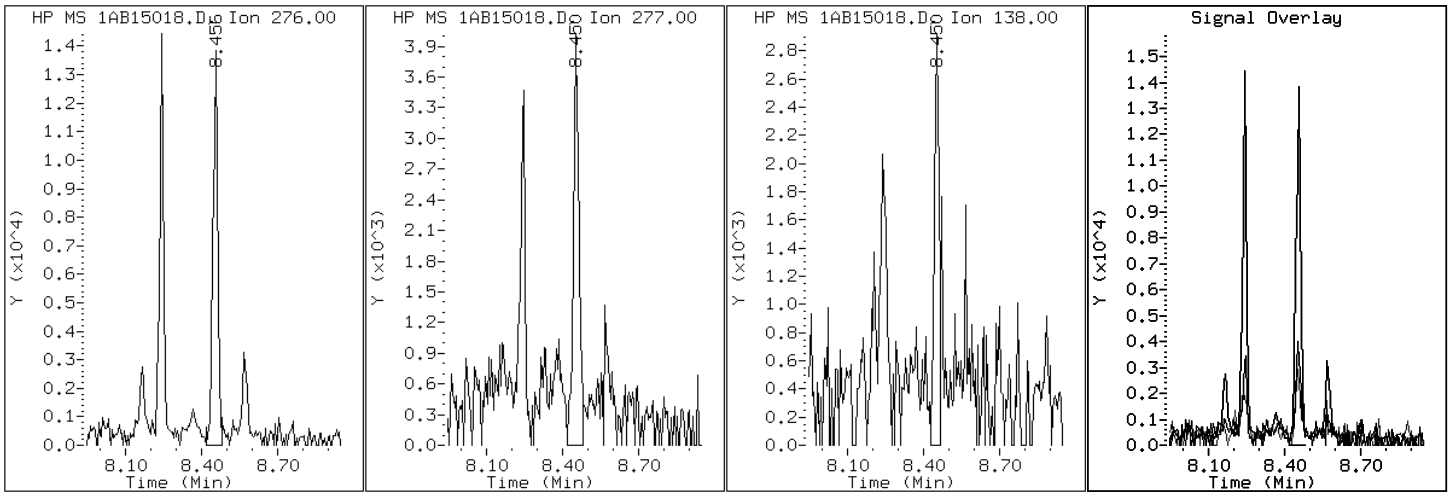
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

26 Benzo(g,h,i)perylene



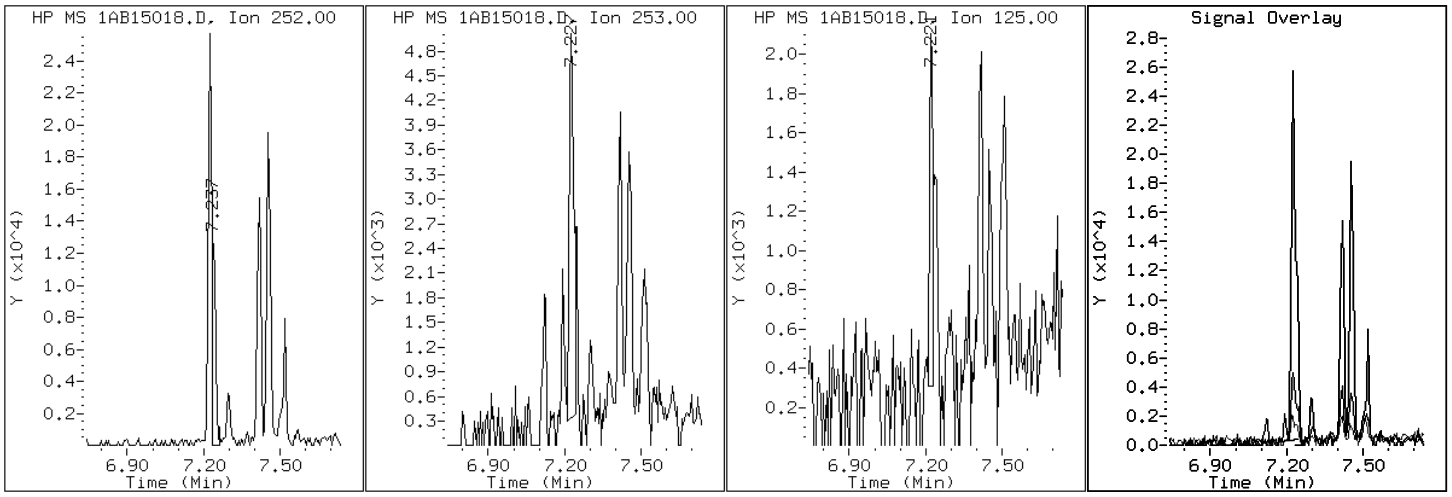
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

21 Benzo(k)fluoranthene



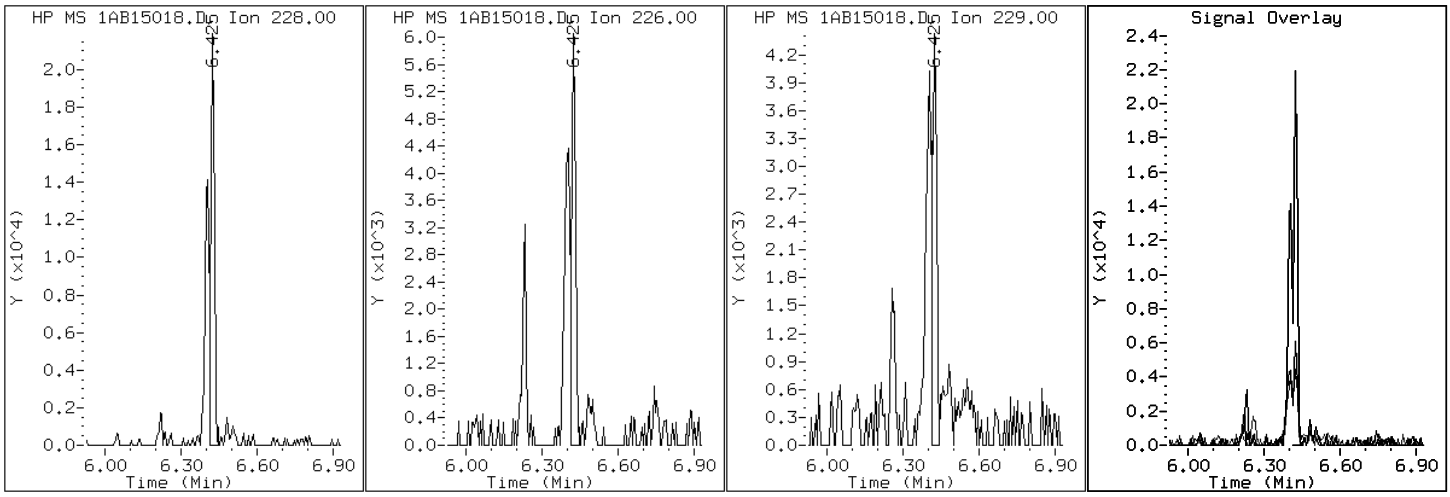
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

19 Chrysene



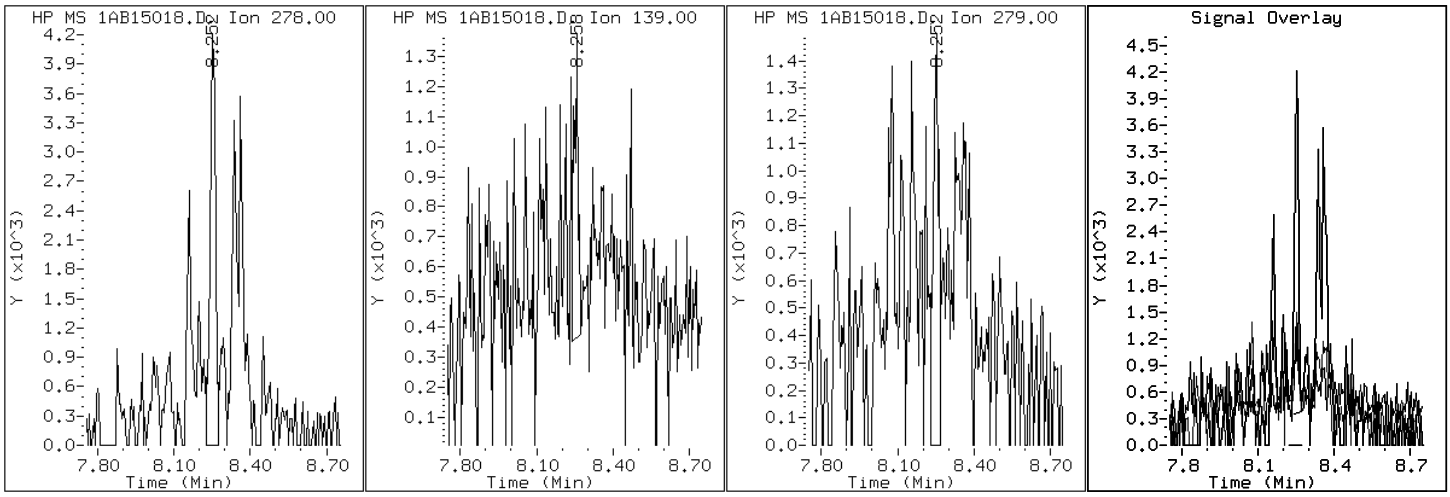
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

25 Dibenzo(a,h)anthracene



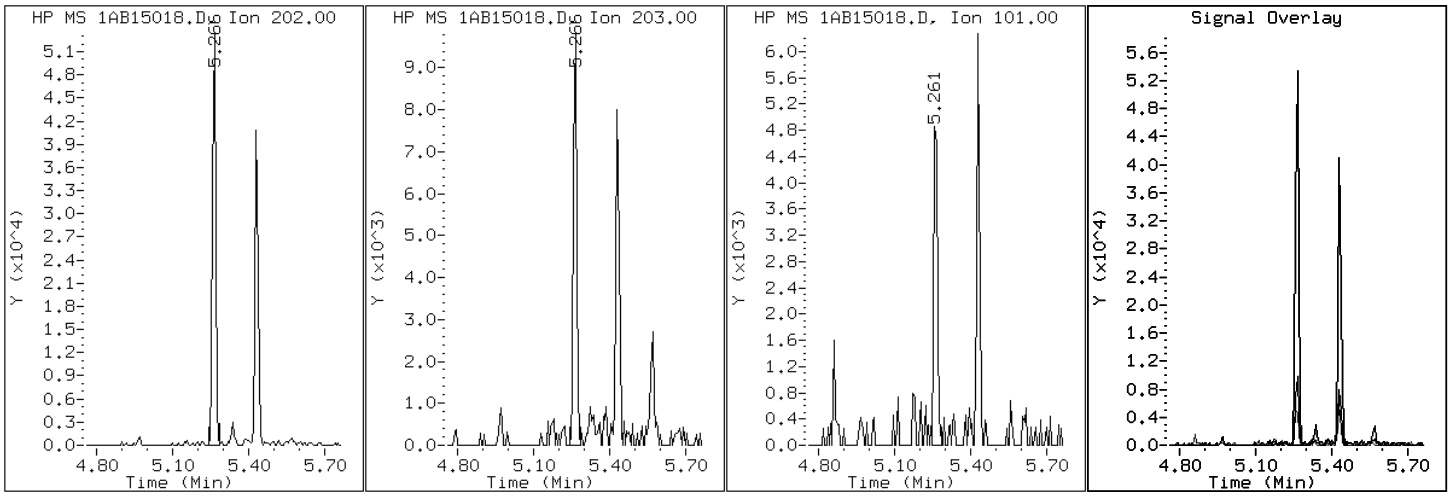
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

15 Fluoranthene



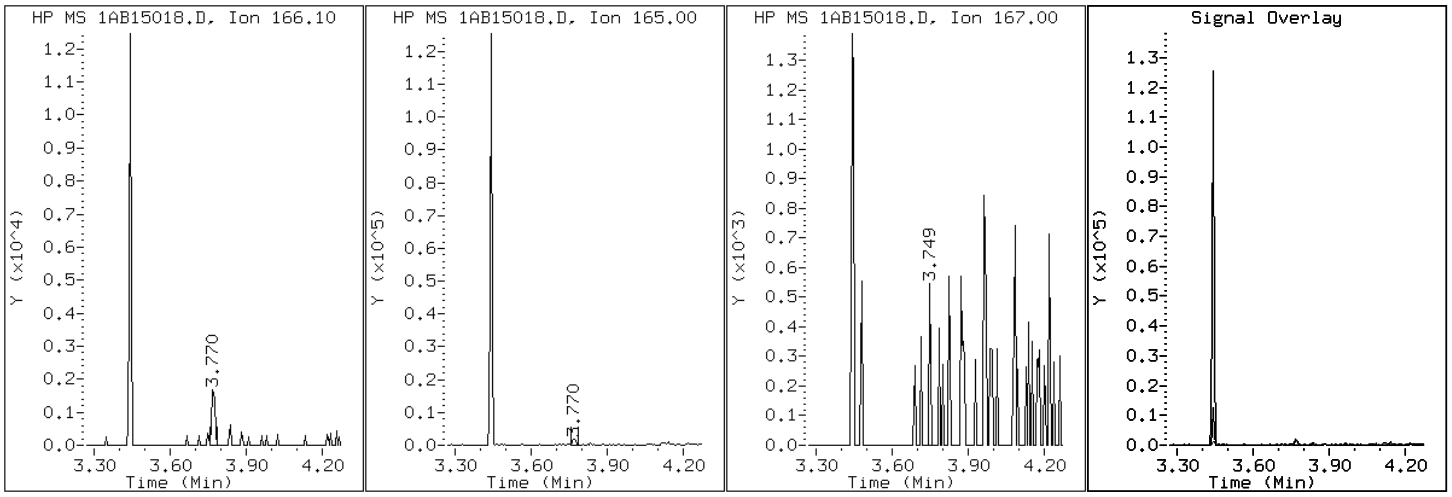
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

9 Fluorene



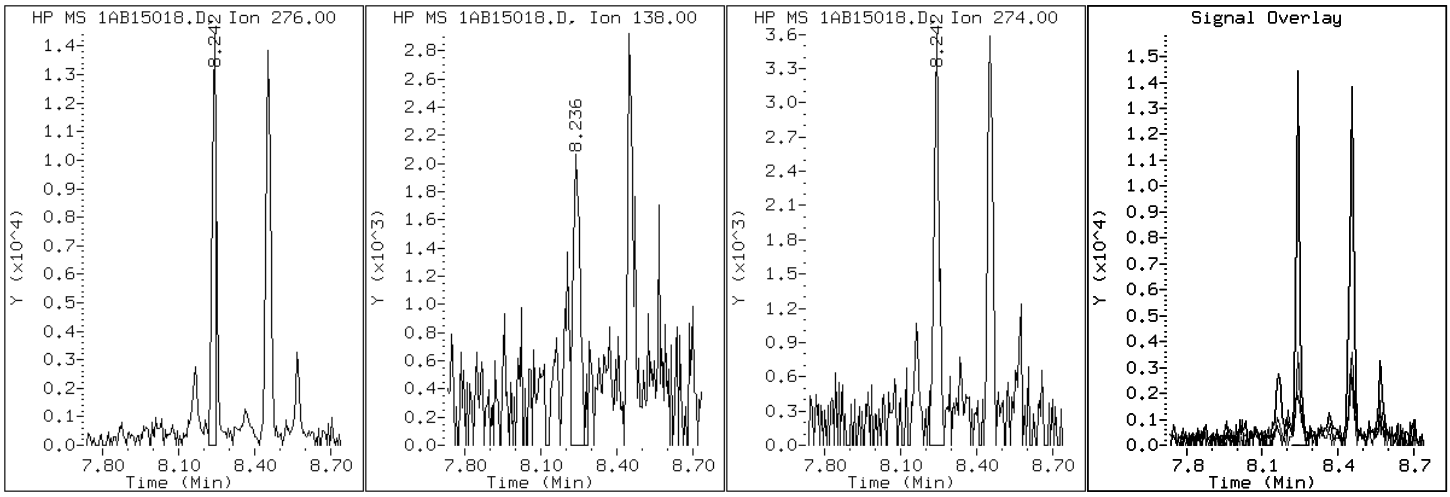
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

24 Indeno(1,2,3-cd)pyrene



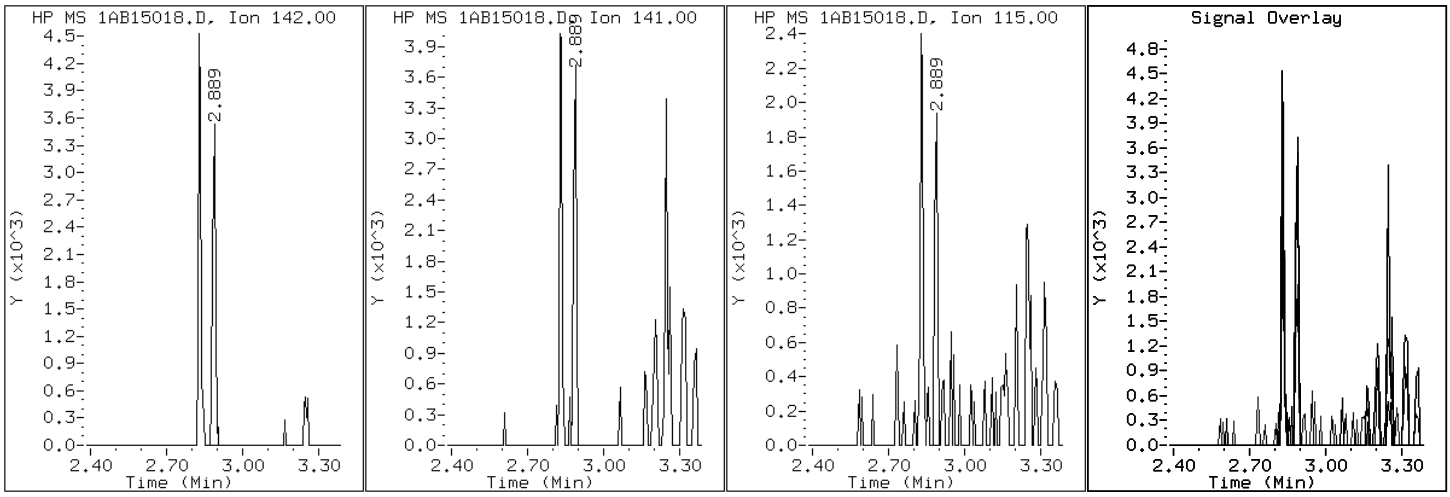
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

4 1-Methylnaphthalene



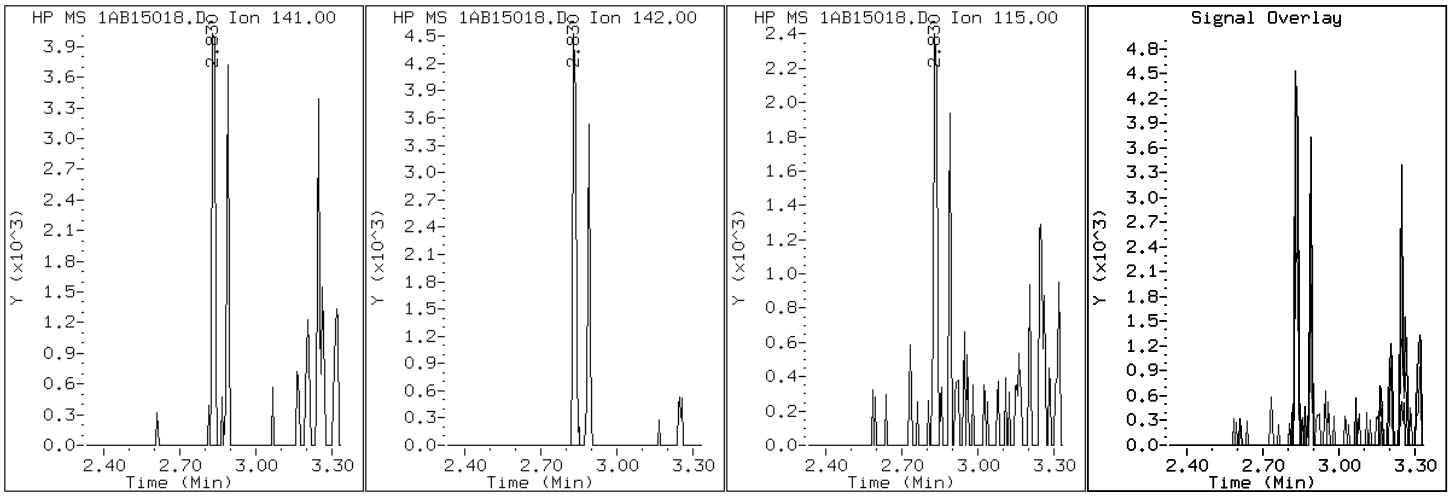
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

3 2-Methylnaphthalene



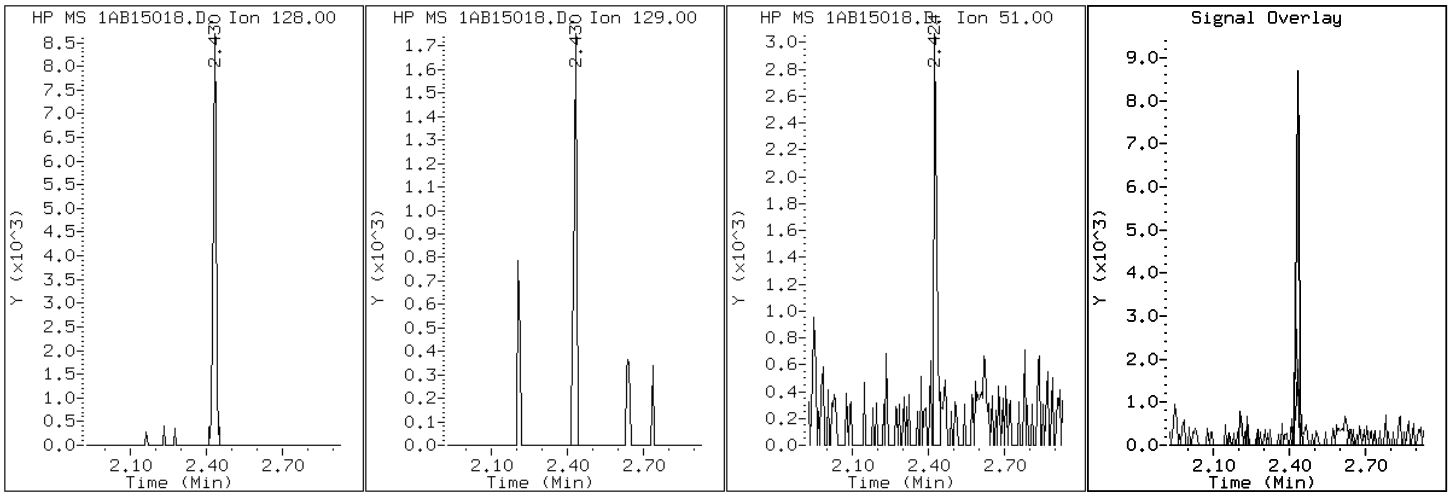
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

2 Naphthalene



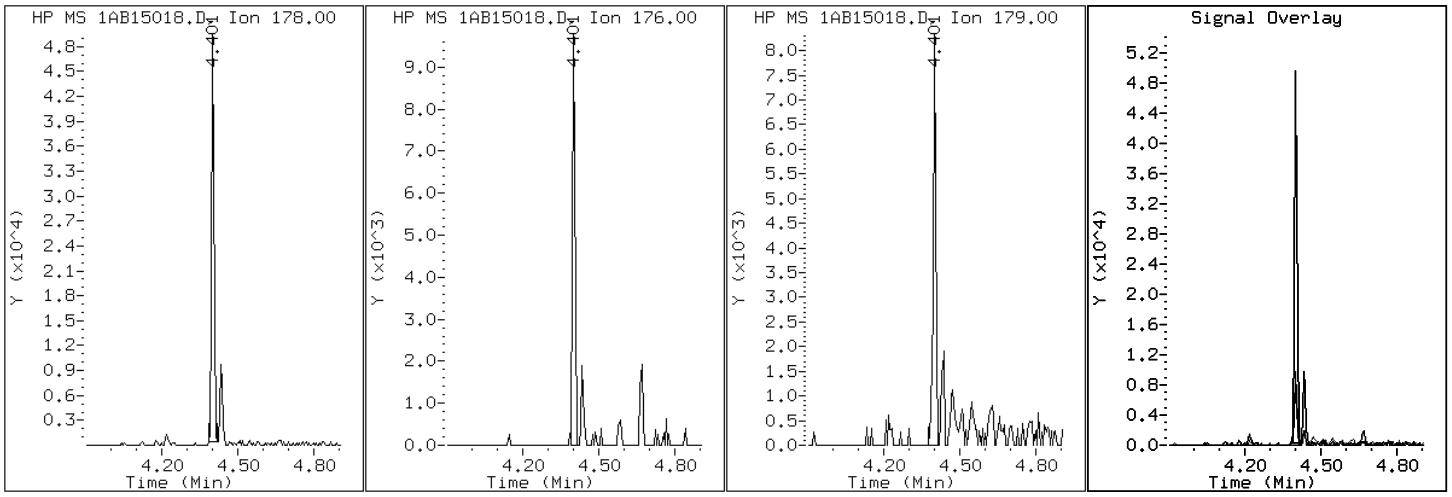
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

11 Phenanthrene



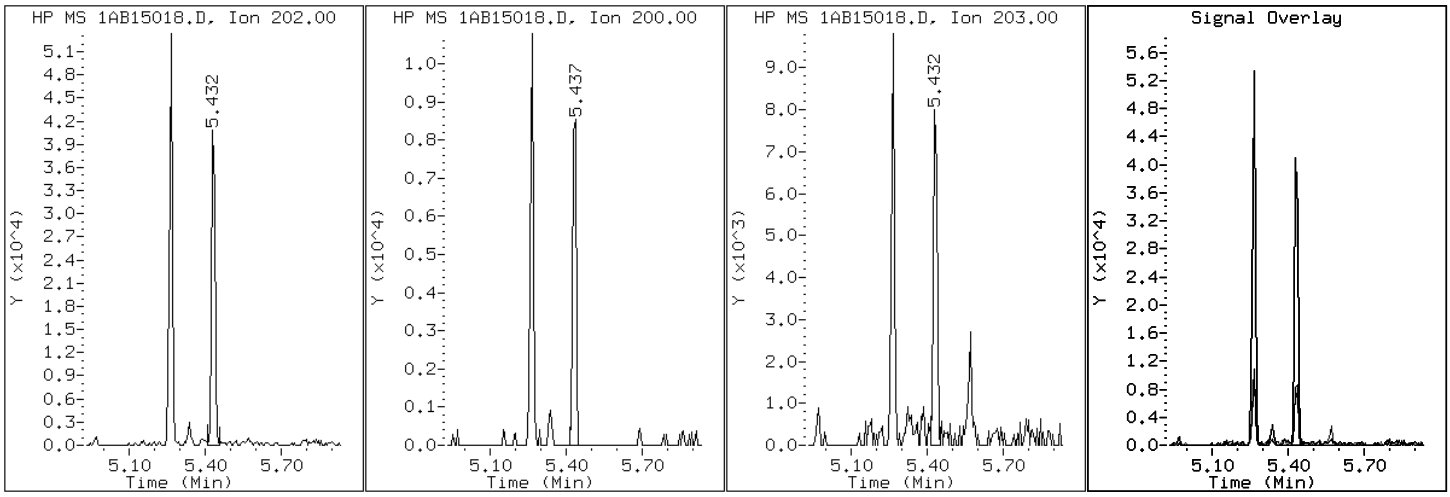
Data File: 1AB15018.D

Date: 15-FEB-2013 18:23

Client ID: CV0748CCC-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-24-a Operator: SCC

16 Pyrene



Manual Integration Report

Data File: 1AB15018.D
Inj. Date and Time: 15-FEB-2013 18:23
Instrument ID: BSMA5973.i
Client ID: CV0748CCC-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 02/18/2013

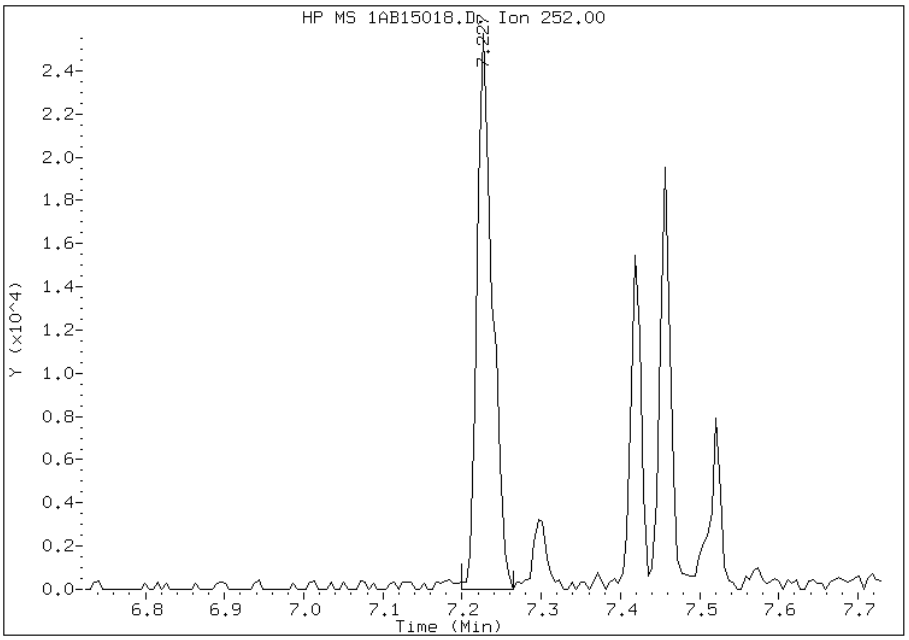
Processing Integration Results

RT: 7.23

Response: 34324

Amount: 2

Conc: 534



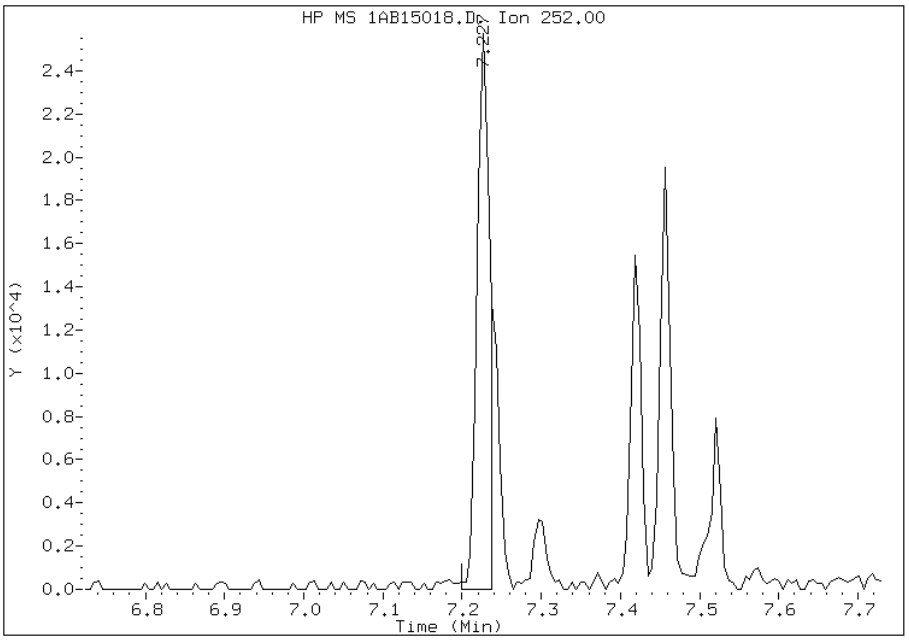
Manual Integration Results

RT: 7.23

Response: 28075

Amount: 1

Conc: 436



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:19
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AB15018.D
Inj. Date and Time: 15-FEB-2013 18:23
Instrument ID: BSMA5973.i
Client ID: CV0748CCC-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 02/18/2013

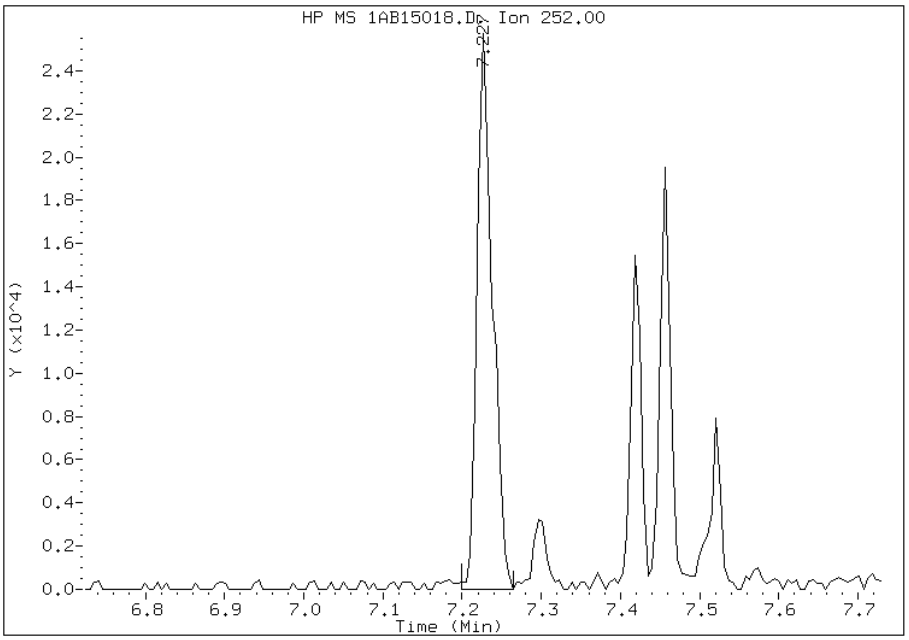
Processing Integration Results

RT: 7.23

Response: 34324

Amount: 2

Conc: 510



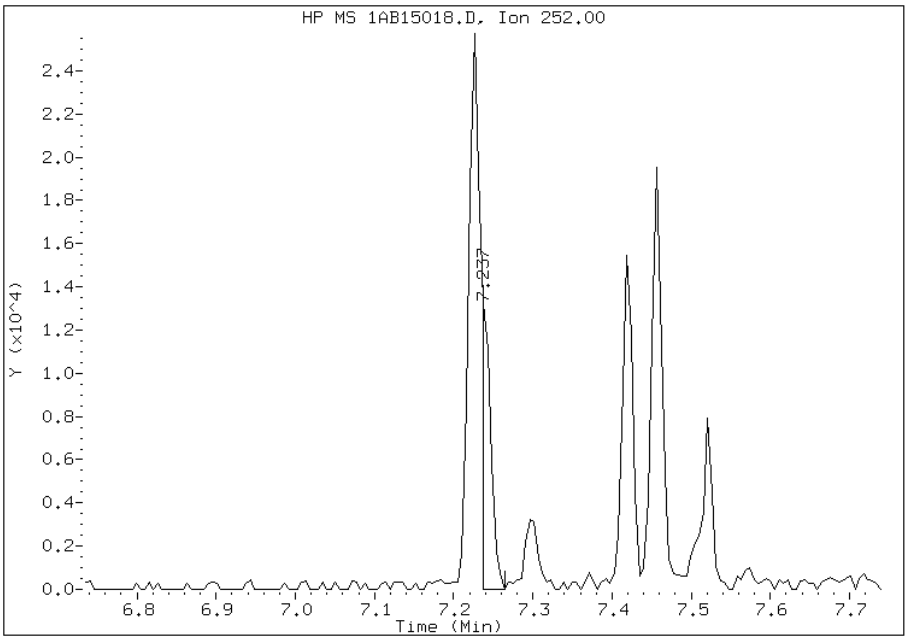
Manual Integration Results

RT: 7.24

Response: 10457

Amount: 1

Conc: 155



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:19
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AB15018.D
Inj. Date and Time: 15-FEB-2013 18:23
Instrument ID: BSMA5973.i
Client ID: CV0748CCC-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/18/2013

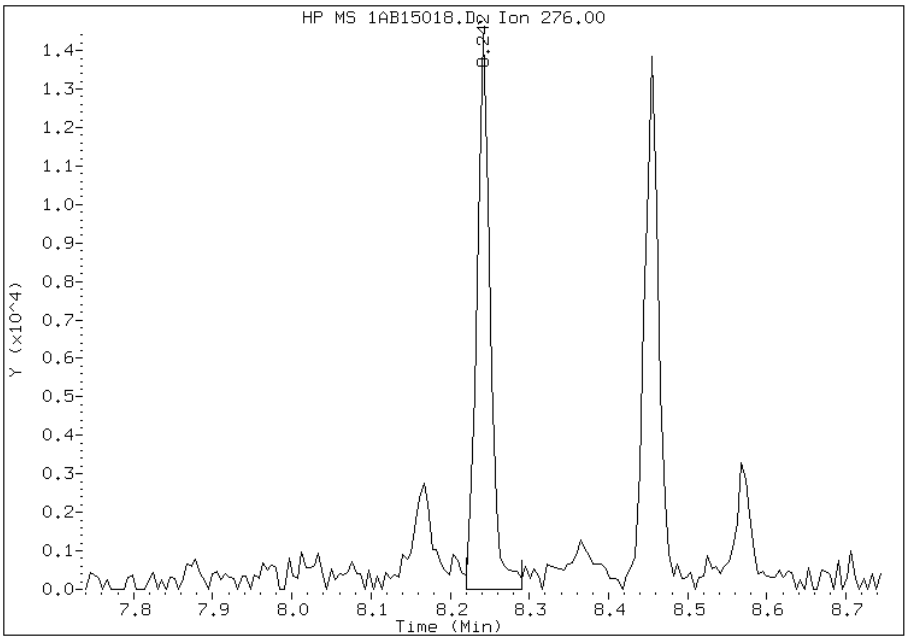
Processing Integration Results

RT: 8.24

Response: 16830

Amount: 1

Conc: 349



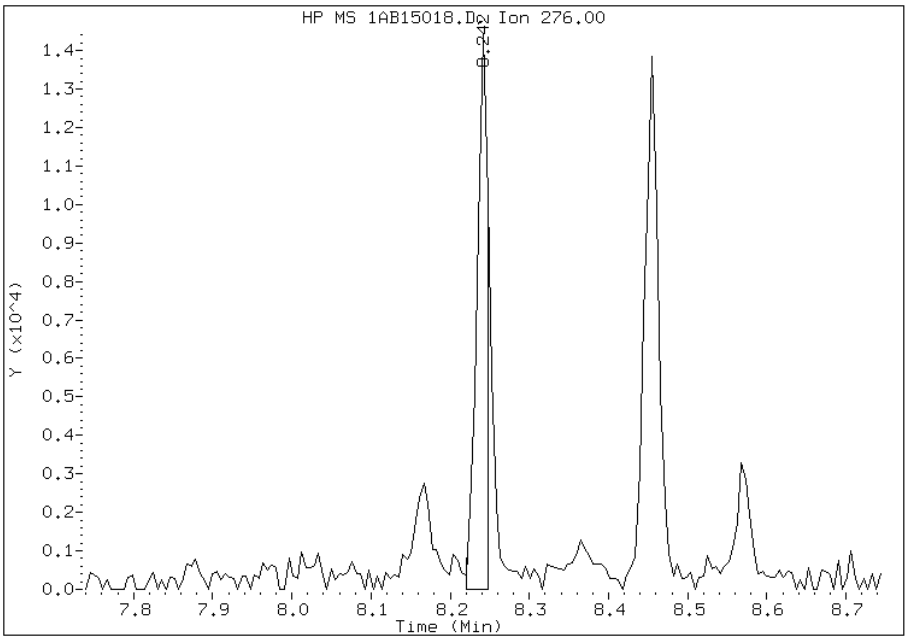
Manual Integration Results

RT: 8.24

Response: 13345

Amount: 1

Conc: 277



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:19
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748EEE-CS | Lab Sample ID: 680-87279-25

Matrix: Solid | Lab File ID: 1CB18012.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 15:17

Extract. Method: 3546 | Date Extracted: 02/14/2013 08:35

Sample wt/vol: 15.03(g) | Date Analyzed: 02/18/2013 16:54

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 14.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134598 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	120	U	120	23
208-96-8	Acenaphthylene	16	J	47	5.9
120-12-7	Anthracene	27		9.8	4.9
56-55-3	Benzo[a]anthracene	150		9.4	4.6
50-32-8	Benzo[a]pyrene	150		12	6.1
205-99-2	Benzo[b]fluoranthene	240		14	7.2
191-24-2	Benzo[g,h,i]perylene	130		23	5.2
207-08-9	Benzo[k]fluoranthene	99		9.4	4.2
218-01-9	Chrysene	160		11	5.3
53-70-3	Dibenz(a,h)anthracene	41		23	4.8
206-44-0	Fluoranthene	240		23	4.7
86-73-7	Fluorene	11	J	23	4.8
193-39-5	Indeno[1,2,3-cd]pyrene	110		23	8.3
90-12-0	1-Methylnaphthalene	60		47	5.2
91-57-6	2-Methylnaphthalene	72		47	8.3
91-20-3	Naphthalene	69		47	5.2
85-01-8	Phenanthrene	150		9.4	4.6
129-00-0	Pyrene	230		23	4.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	90		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\1CB18012.D
Lab Smp Id: 680-87279-A-25-A Client Smp ID: CV0748EEE-CS
Inj Date : 18-FEB-2013 16:54
Operator : SCC Inst ID: BSMC5973.i
Smp Info : 680-87279-A-25-A
Misc Info : 680-87279-A-25-A
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\a-bFASTPAHi-m.m
Meth Date : 18-Feb-2013 14:24 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.030	Weight Extracted
M	14.865	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	3.816	3.816	(1.000)	2000525	40.0000	
* 6 Acenaphthene-d10	164	4.904	4.904	(1.000)	1541687	40.0000	
* 10 Phenanthrene-d10	188	5.857	5.857	(1.000)	2809961	40.0000	
$ 14 o-Terphenyl	230	6.110	6.109	(1.043)	368686	8.95470	699.8149
* 18 Chrysene-d12	240	7.804	7.809	(1.000)	2854676	40.0000	
* 23 Perylene-d12	264	9.027	9.027	(1.000)	2622327	40.0000	
2 Naphthalene	128	3.827	3.827	(1.003)	46912	0.88494	69.1588
3 2-Methylnaphthalene	142	4.251	4.257	(1.114)	31698	0.91960	71.8674
4 1-Methylnaphthalene	142	4.316	4.315	(1.131)	24225	0.77274	60.3904
5 Acenaphthylene	152	4.816	4.815	(0.982)	12196	0.19884	15.5397
9 Fluorene	166	5.245	5.245	(1.070)	7049	0.14275	11.1559
11 Phenanthrene	178	5.868	5.874	(1.002)	164118	1.95669	152.9162
12 Anthracene	178	5.904	5.909	(1.008)	26361	0.34883	27.2614
13 Carbazole	167	6.010	6.015	(1.026)	22917	0.34913	27.2844

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
15 Fluoranthene	202	6.710	6.715	(1.146)	255141	3.11307	243.2883
16 Pyrene	202	6.880	6.880	(0.882)	223960	2.94690	230.3021
17 Benzo(a)anthracene	228	7.798	7.798	(0.999)	146447	1.86031	145.3846
19 Chrysene	228	7.821	7.827	(1.002)	167931	2.06518	161.3953
20 Benzo(b)fluoranthene	252	8.662	8.662	(0.960)	194263	3.02162	236.1417(M)
21 Benzo(k)fluoranthene	252	8.674	8.686	(0.961)	89651	1.26577	98.9206(QM)
22 Benzo(a)pyrene	252	8.968	8.968	(0.993)	116679	1.90726	149.0530
24 Indeno(1,2,3-cd)pyrene	276	10.239	10.250	(1.134)	79751	1.35726	106.0710(M)
25 Dibenzo(a,h)anthracene	278	10.262	10.268	(1.137)	29265	0.52815	41.2752(M)
26 Benzo(g,h,i)perylene	276	10.609	10.621	(1.175)	96569	1.61792	126.4415(M)

QC Flag Legend

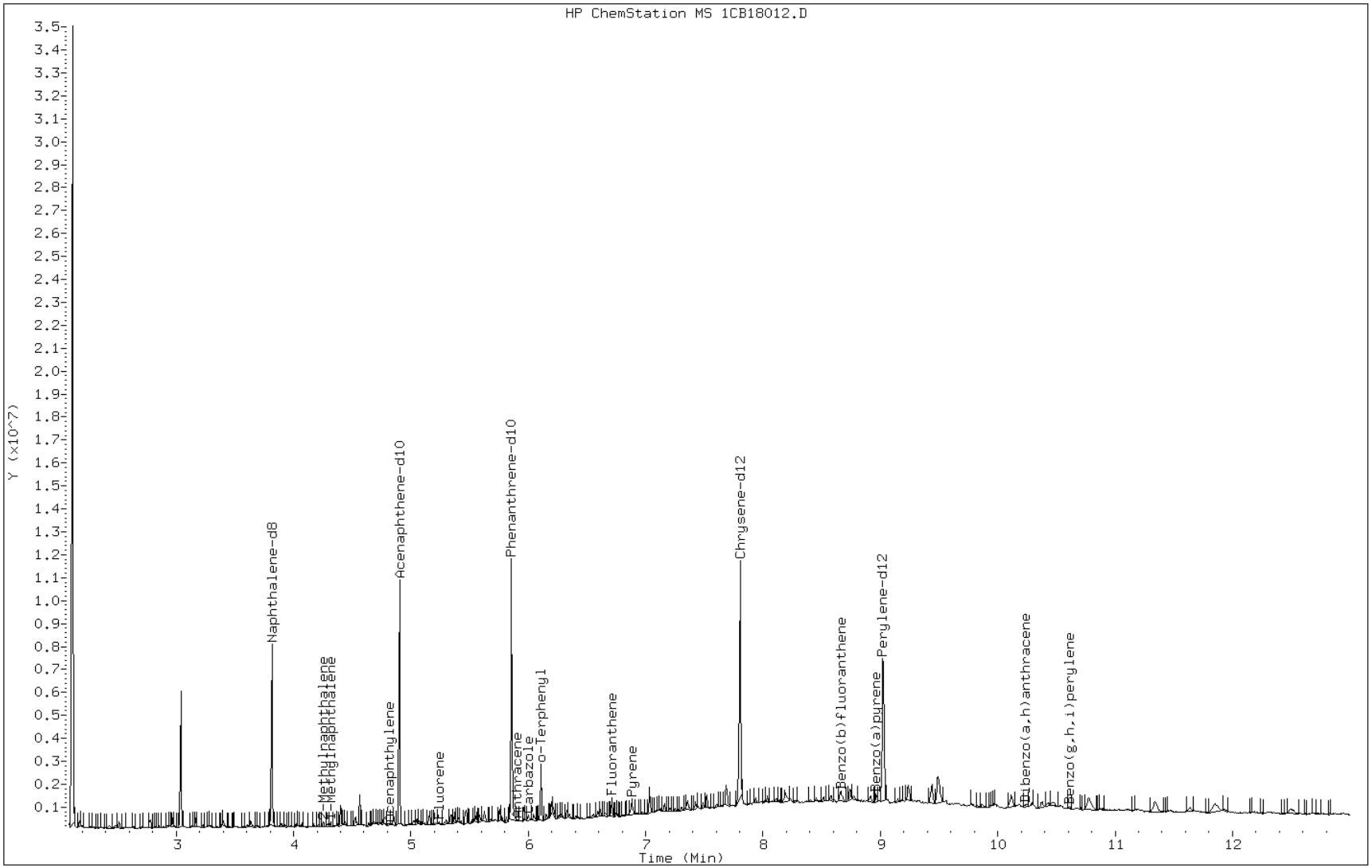
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC



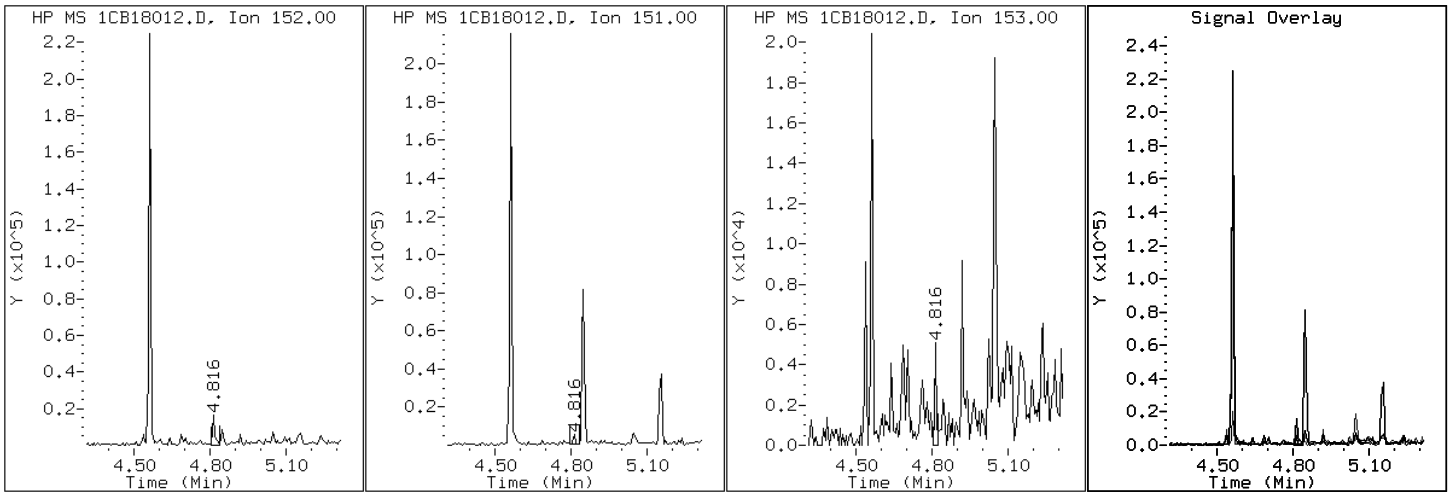
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

5 Acenaphthylene



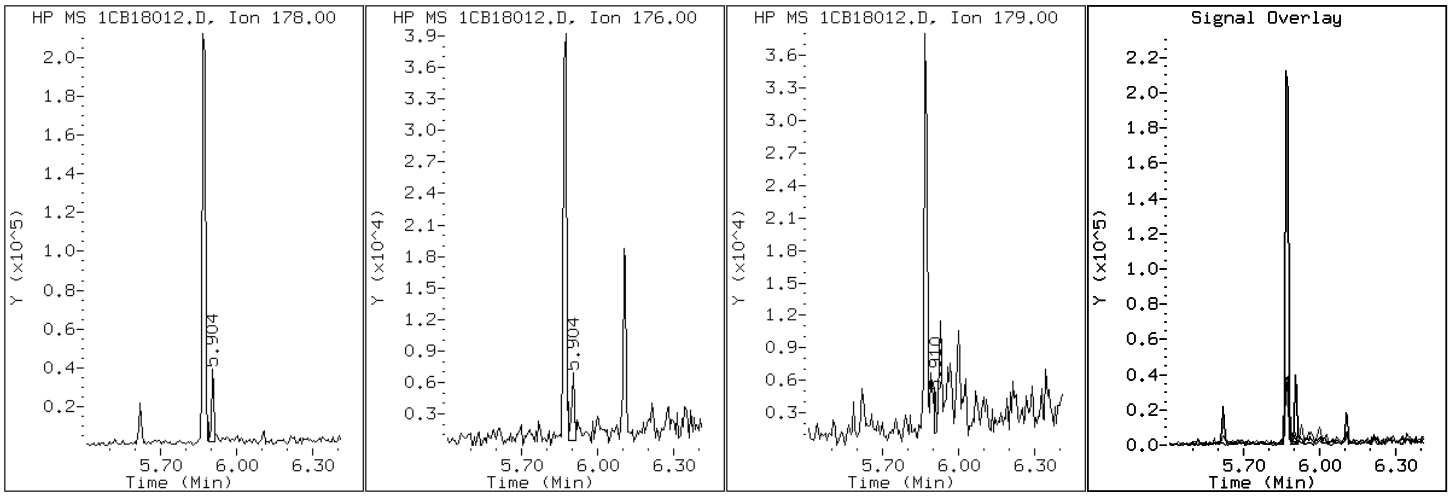
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

12 Anthracene



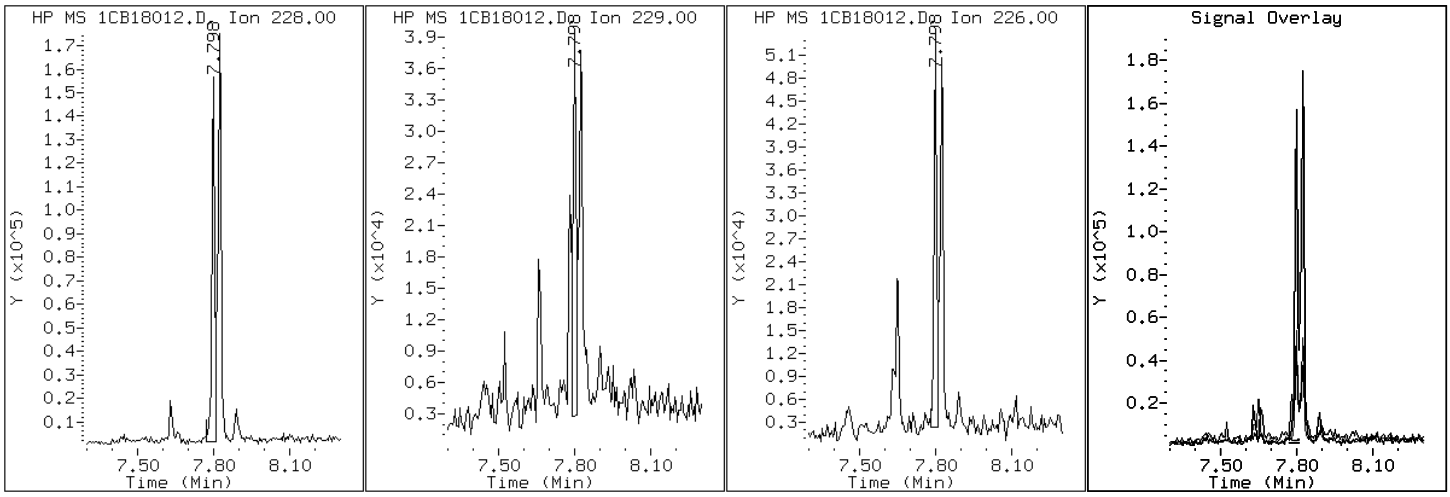
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

17 Benzo(a)anthracene



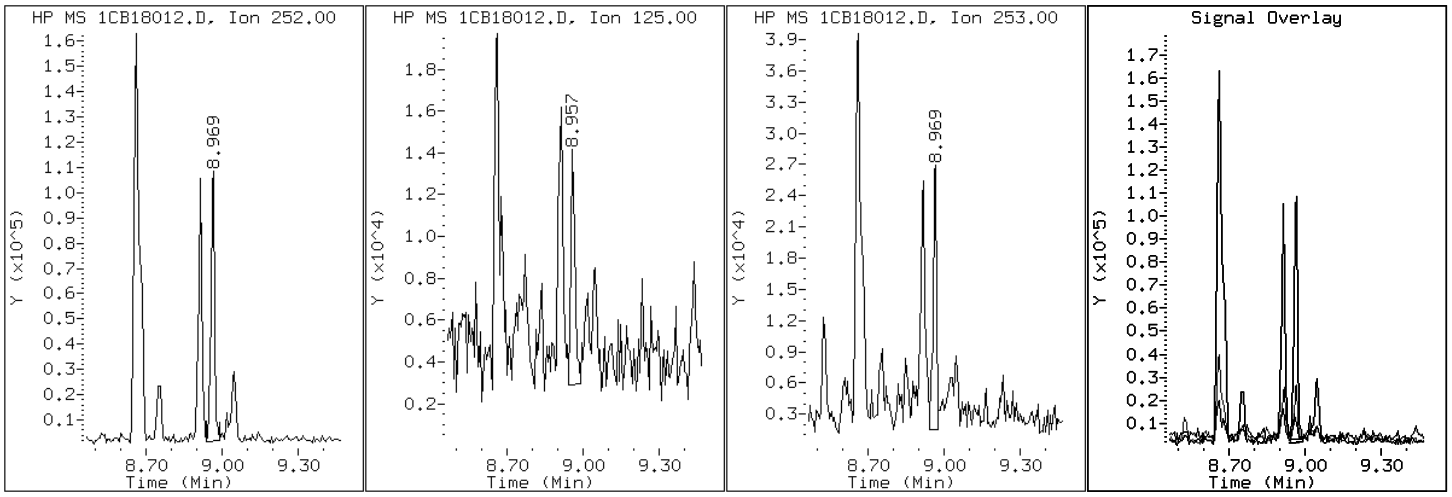
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

22 Benzo(a)pyrene



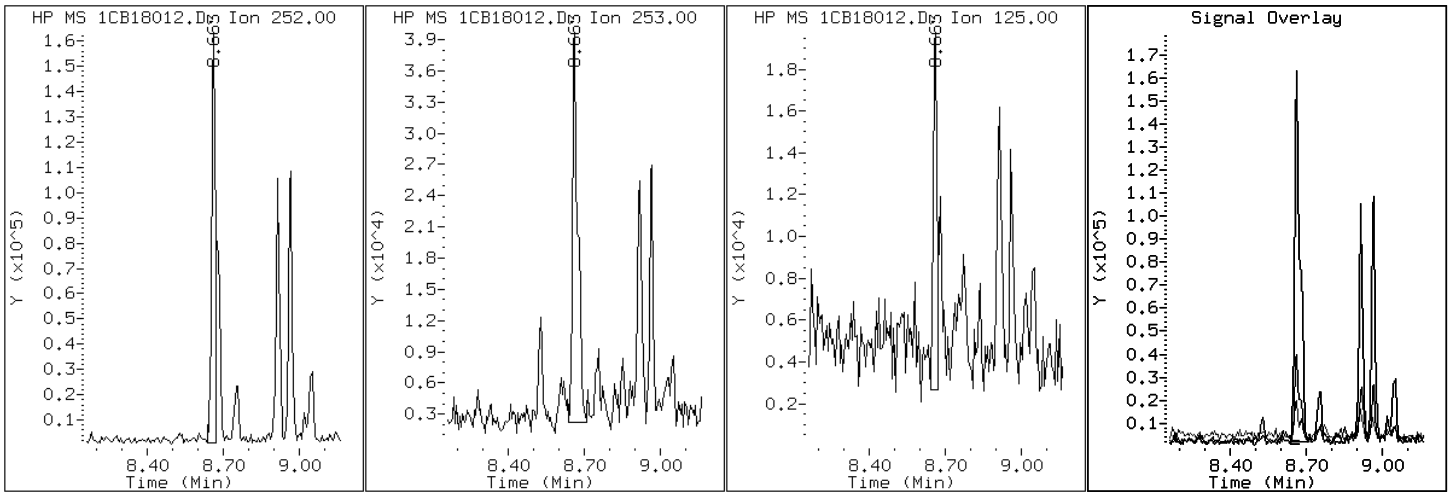
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

20 Benzo(b)fluoranthene



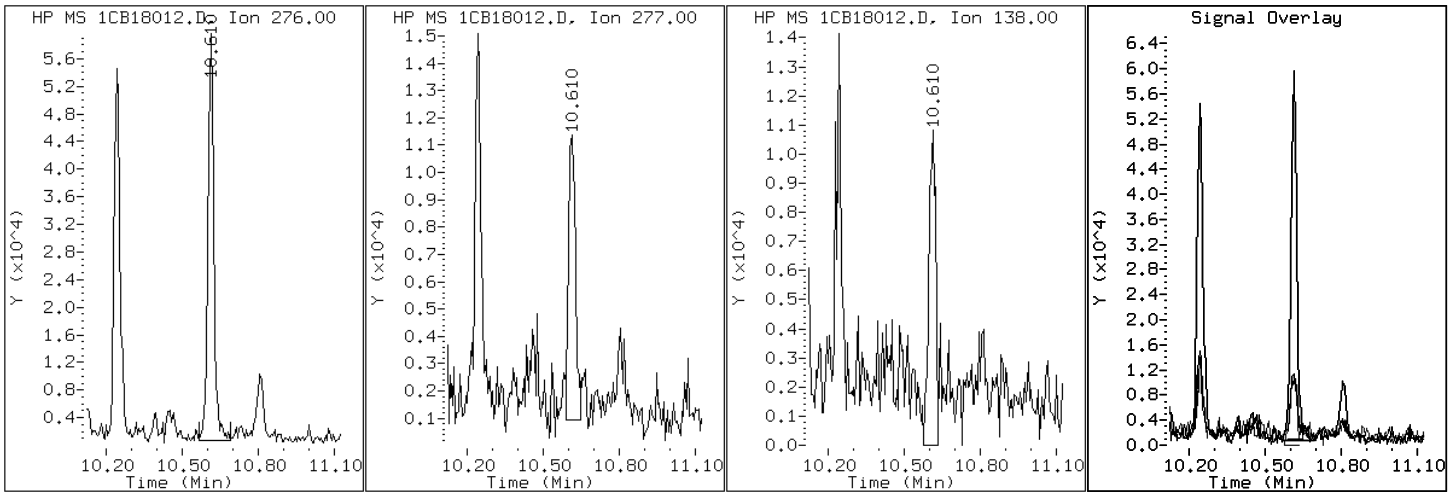
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

26 Benzo(g,h,i)perylene



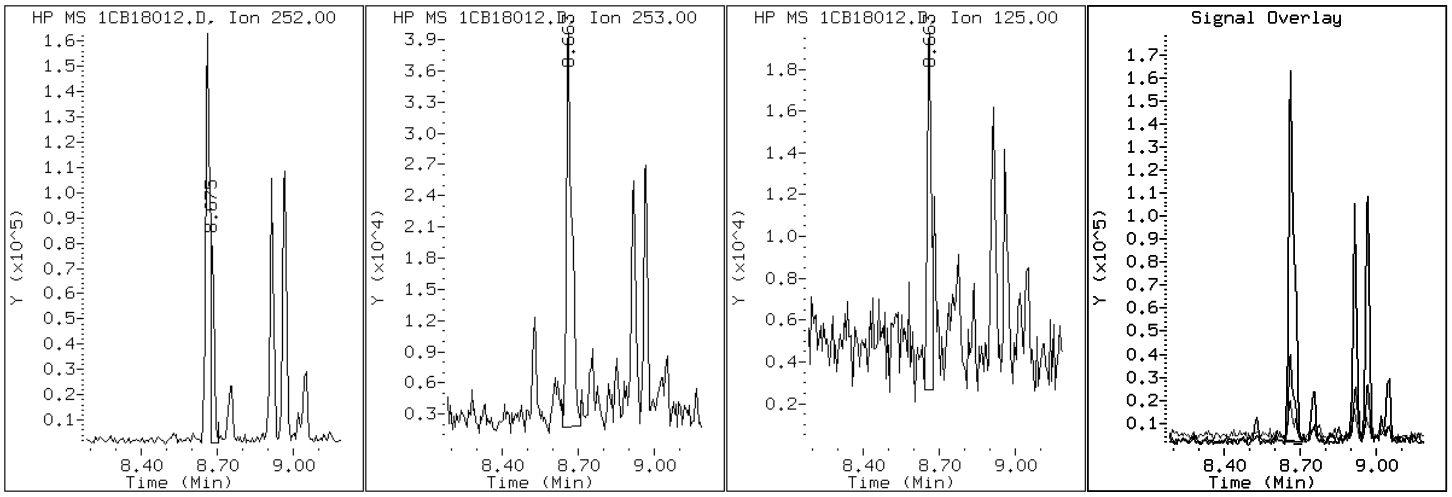
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

21 Benzo(k)fluoranthene



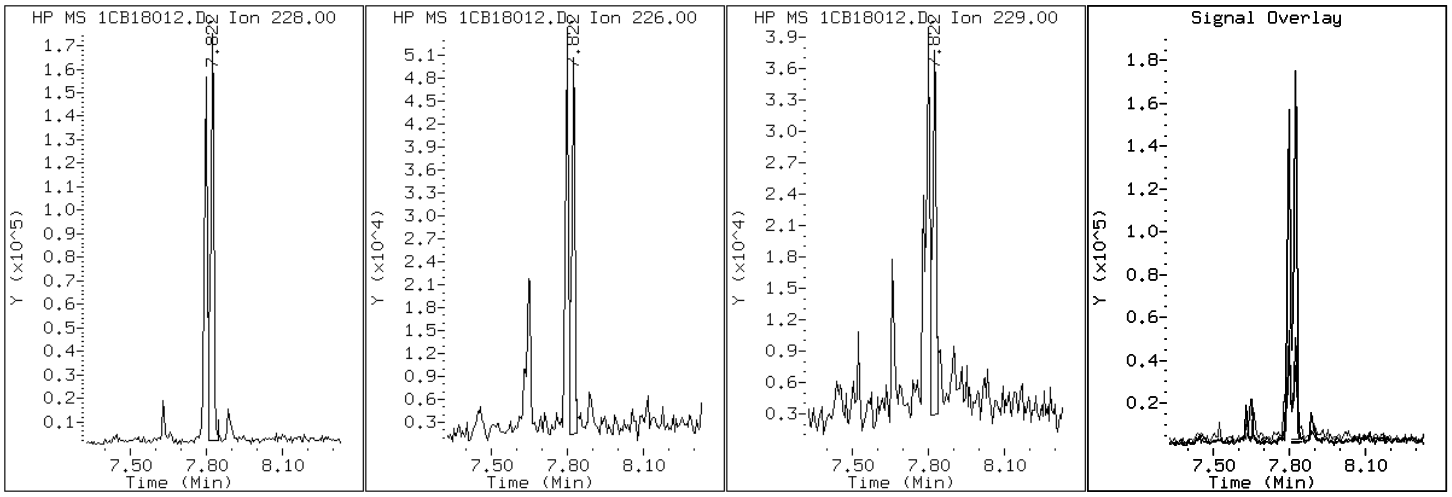
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

19 Chrysene



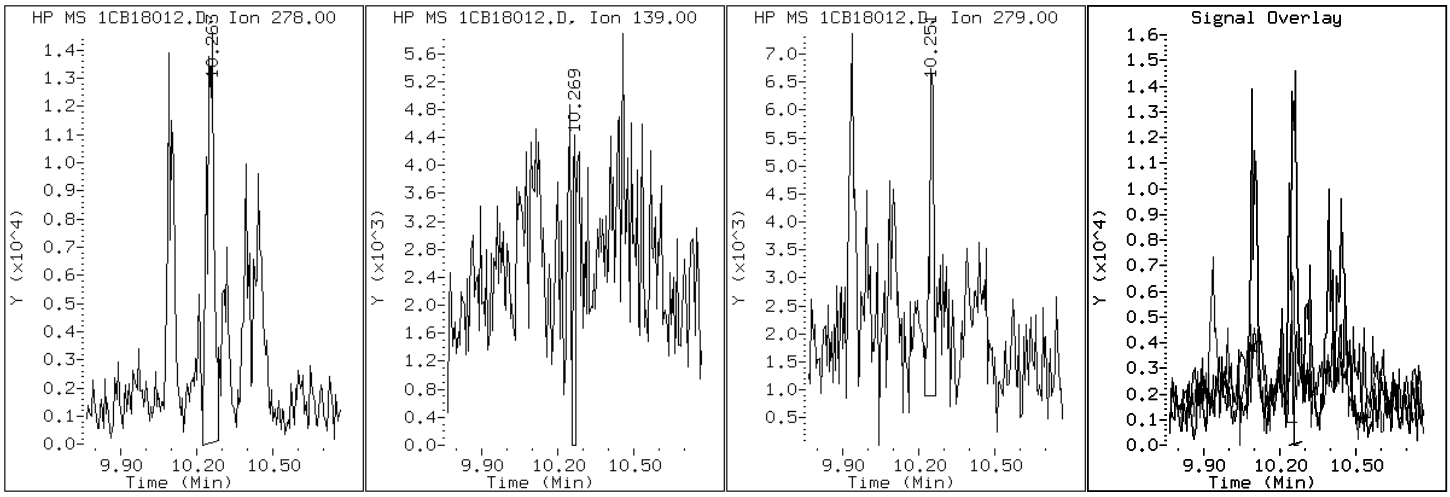
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

25 Dibenzo(a,h)anthracene



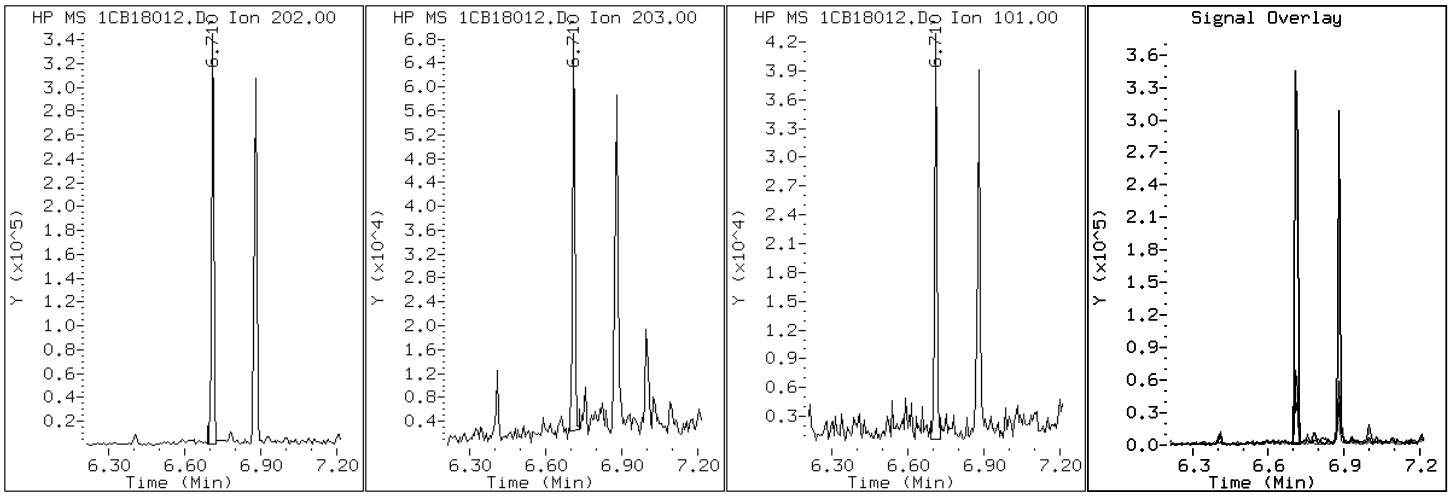
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

15 Fluoranthene



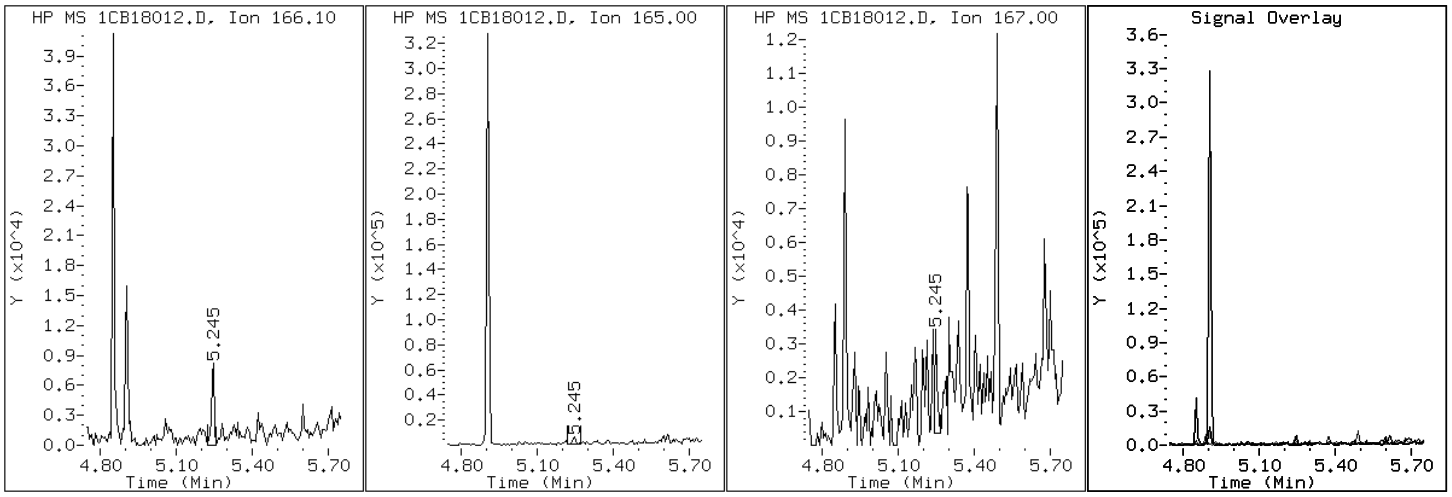
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

9 Fluorene



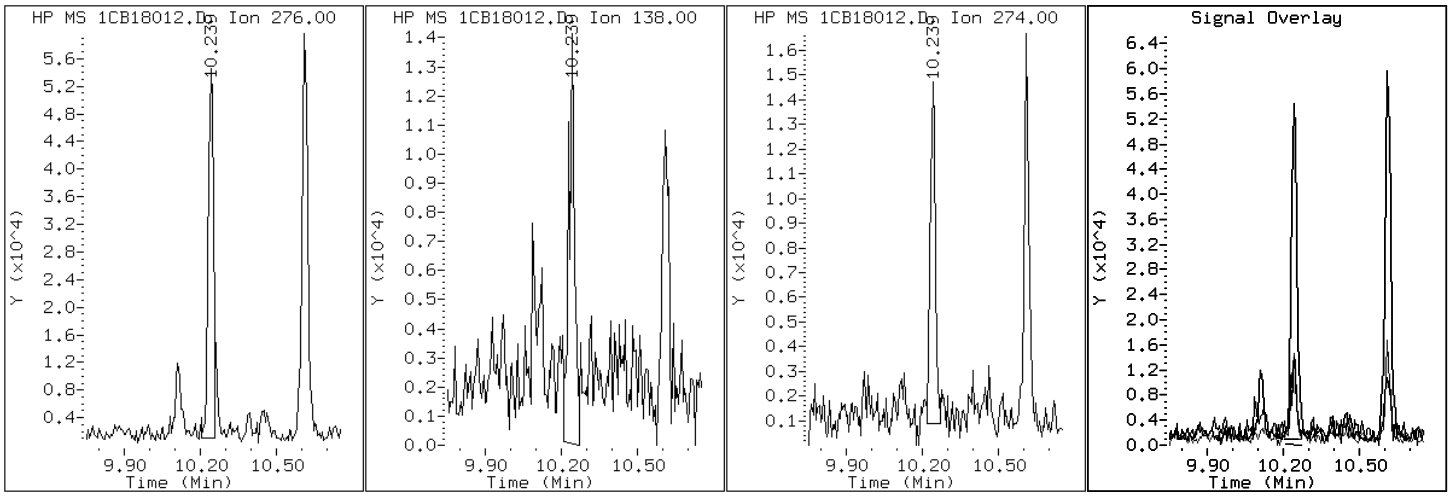
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

24 Indeno(1,2,3-cd)pyrene



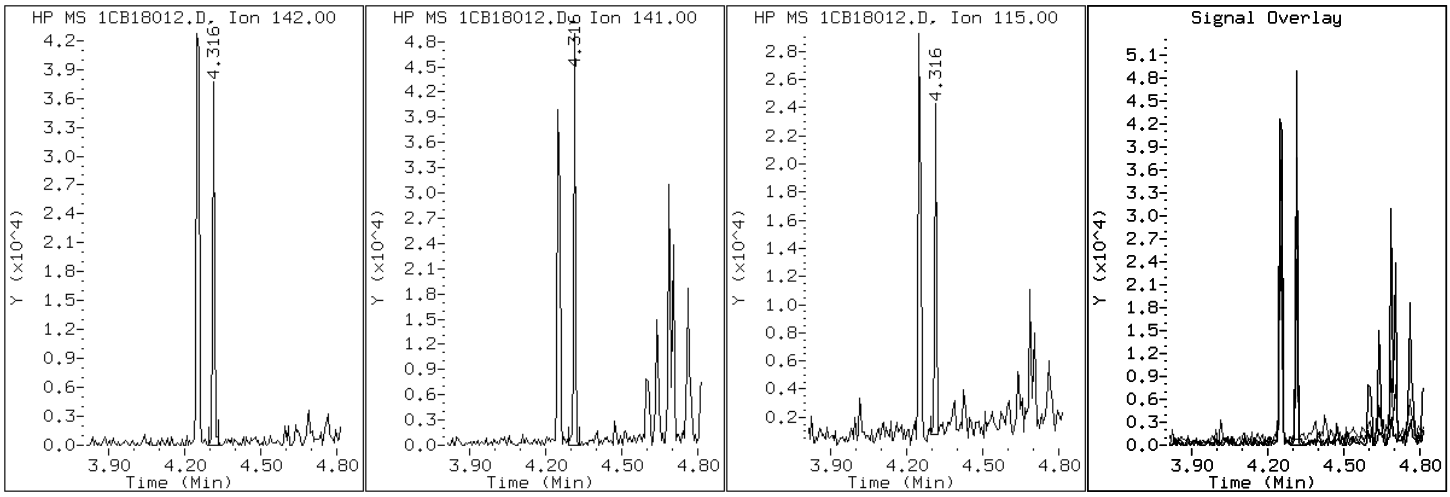
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

4 1-Methylnaphthalene



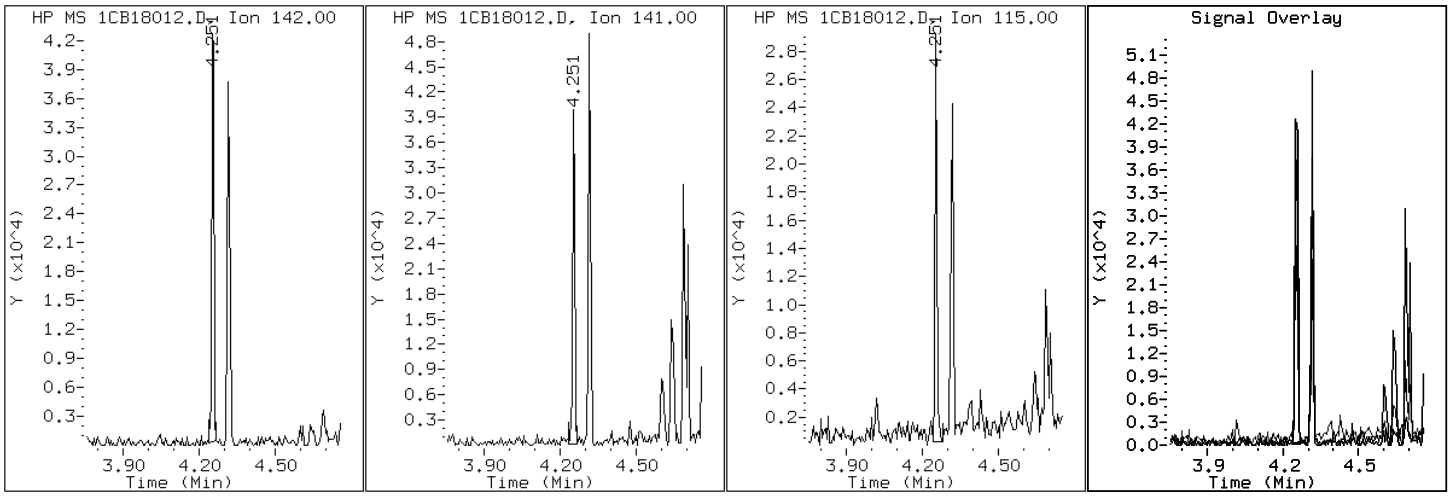
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

3 2-Methylnaphthalene



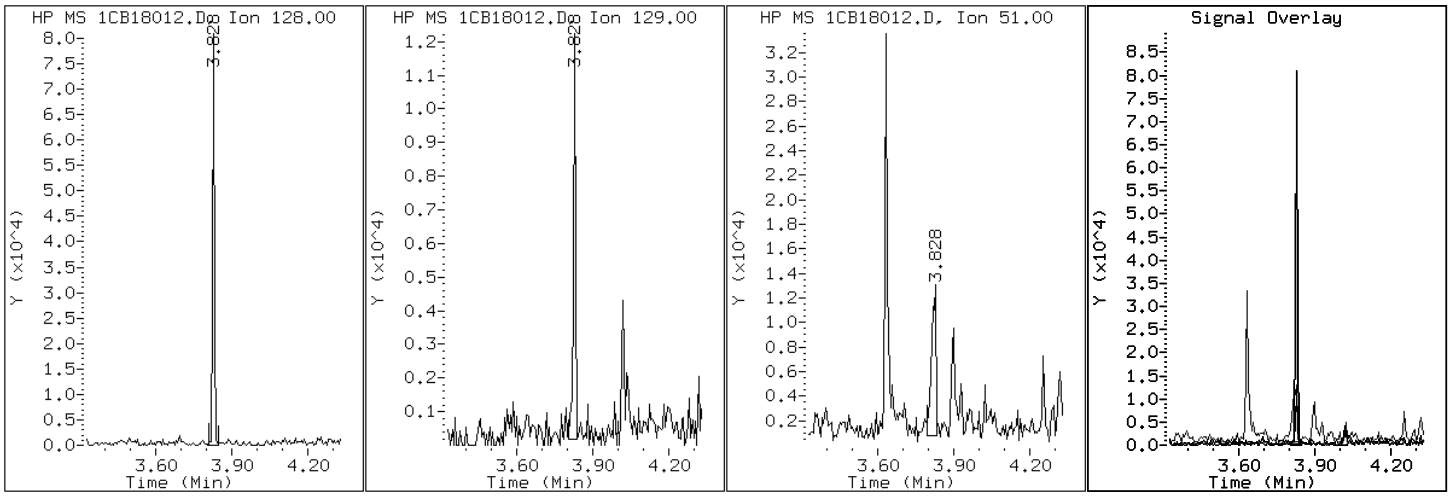
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

2 Naphthalene



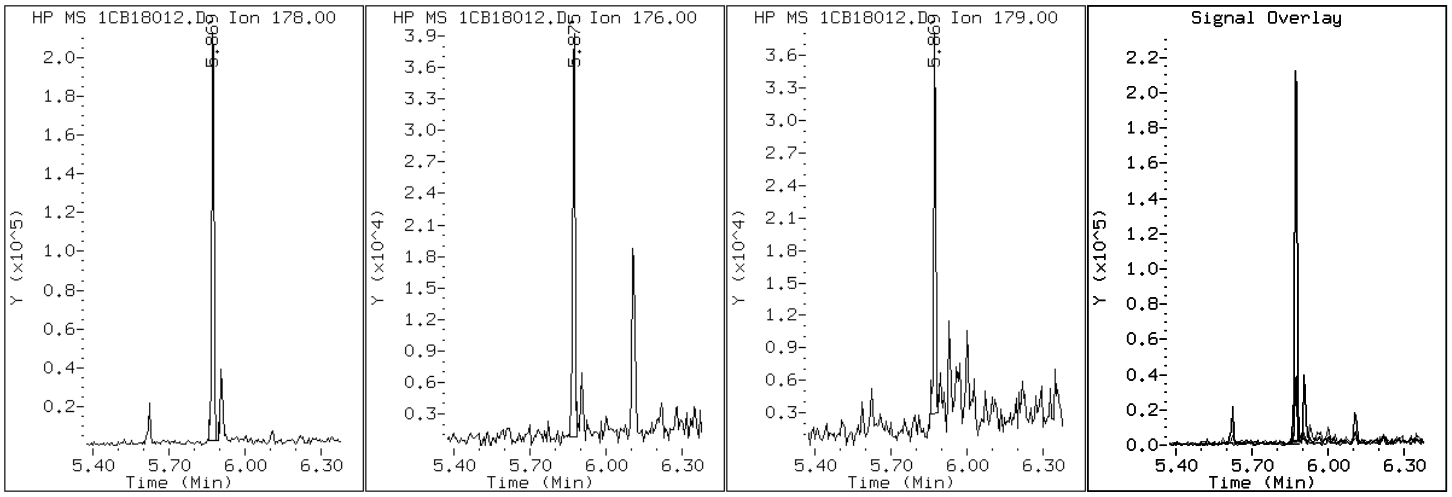
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

11 Phenanthrene



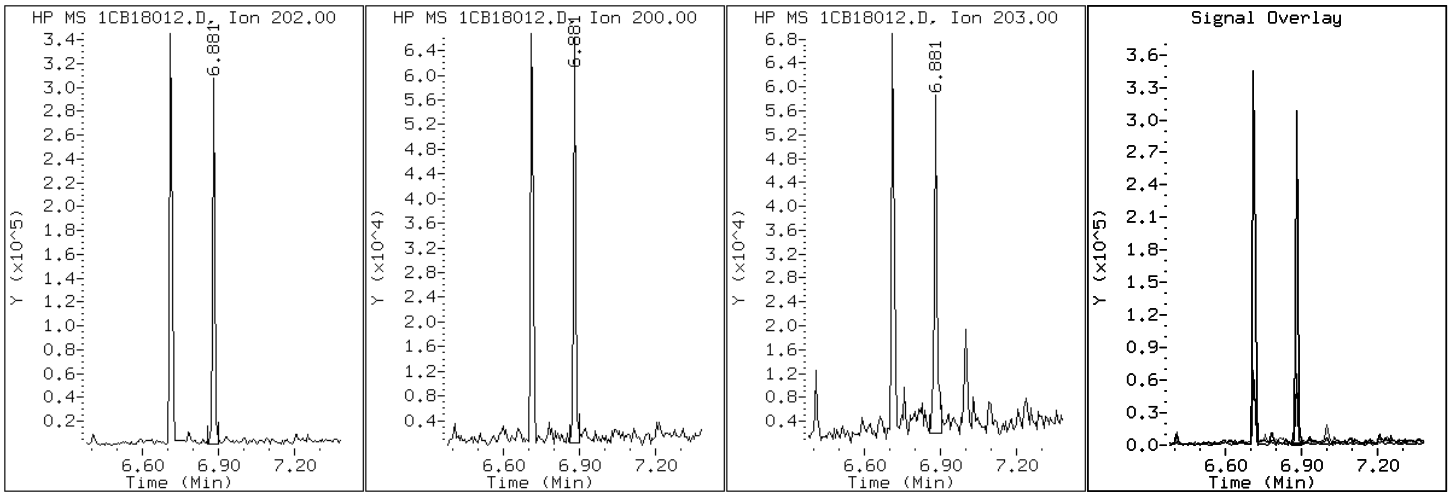
Data File: 1CB18012.D

Date: 18-FEB-2013 16:54

Client ID: CV0748EEE-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-25-A Operator: SCC

16 Pyrene



Manual Integration Report

Data File: 1CB18012.D
Inj. Date and Time: 18-FEB-2013 16:54
Instrument ID: BSMC5973.i
Client ID: CV0748EEE-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 02/19/2013

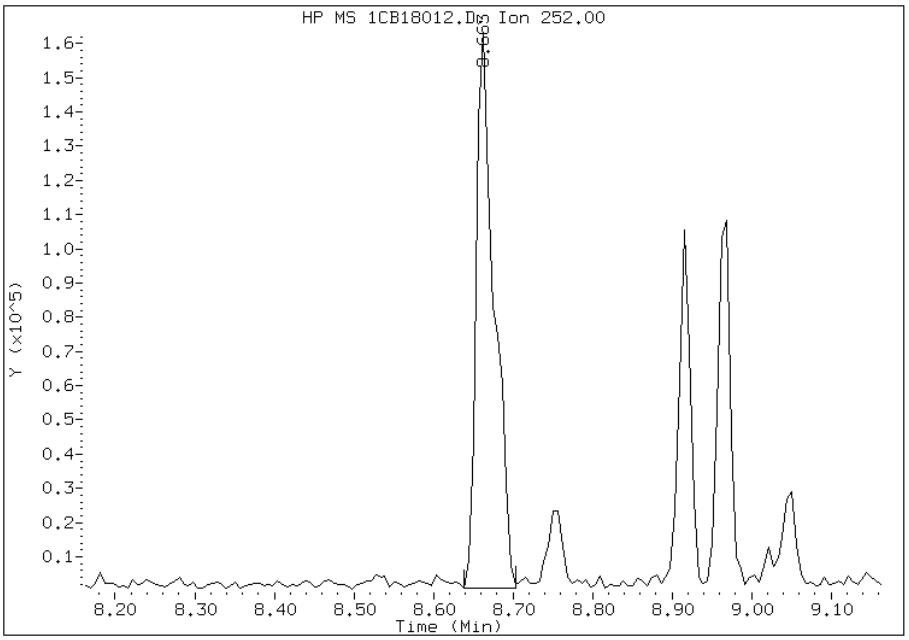
Processing Integration Results

RT: 8.66

Response: 254992

Amount: 4

Conc: 310



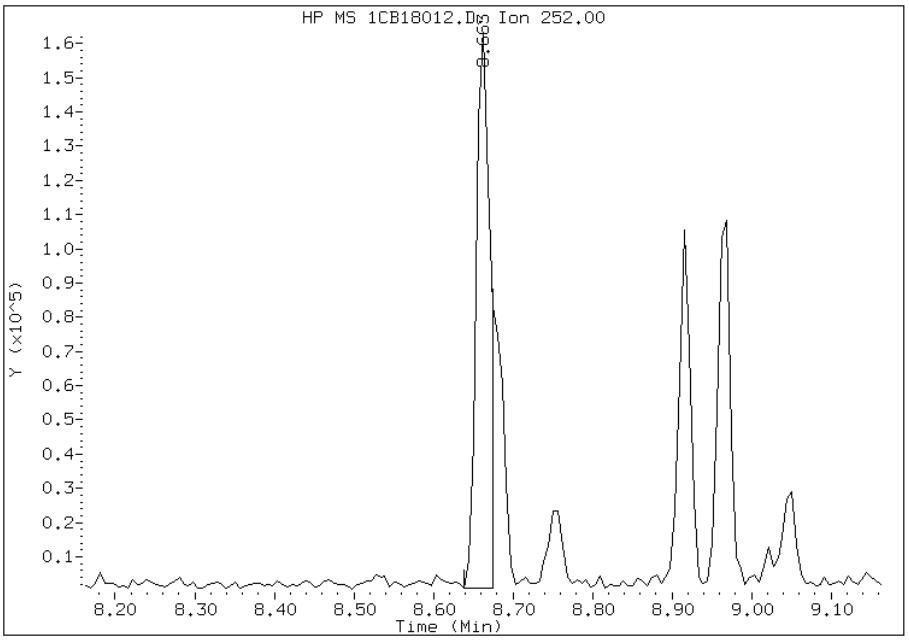
Manual Integration Results

RT: 8.66

Response: 194263

Amount: 3

Conc: 236



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 09:54
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CB18012.D
Inj. Date and Time: 18-FEB-2013 16:54
Instrument ID: BSMC5973.i
Client ID: CV0748EEE-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 02/19/2013

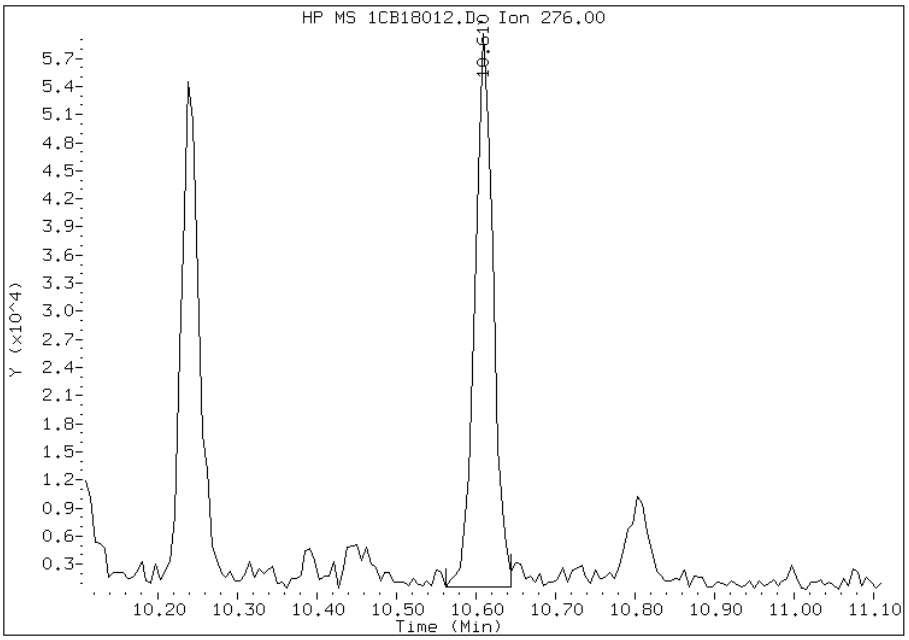
Processing Integration Results

RT: 10.61

Response: 94118

Amount: 2

Conc: 123



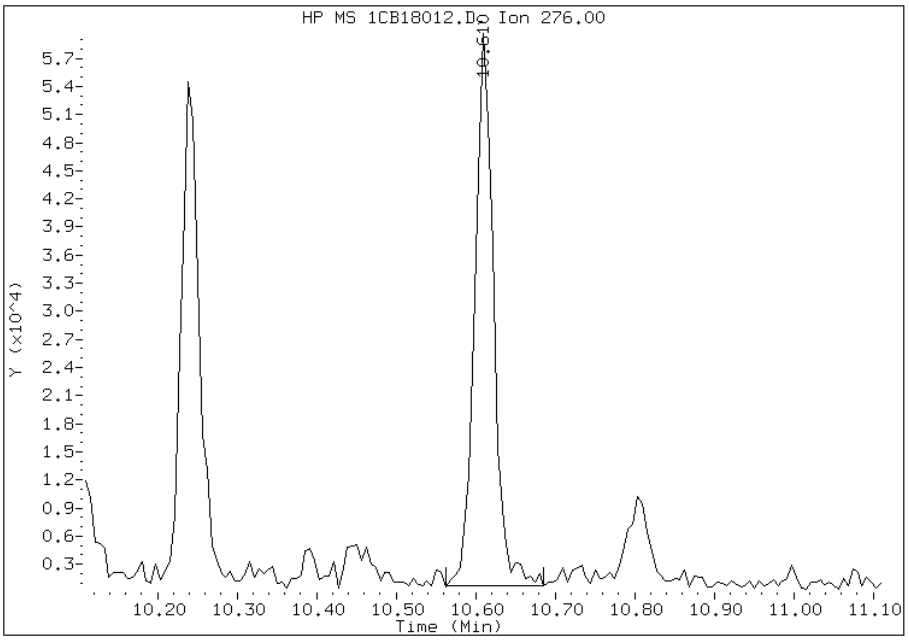
Manual Integration Results

RT: 10.61

Response: 96569

Amount: 2

Conc: 126



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 09:54
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CB18012.D
Inj. Date and Time: 18-FEB-2013 16:54
Instrument ID: BSMC5973.i
Client ID: CV0748EEE-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 02/19/2013

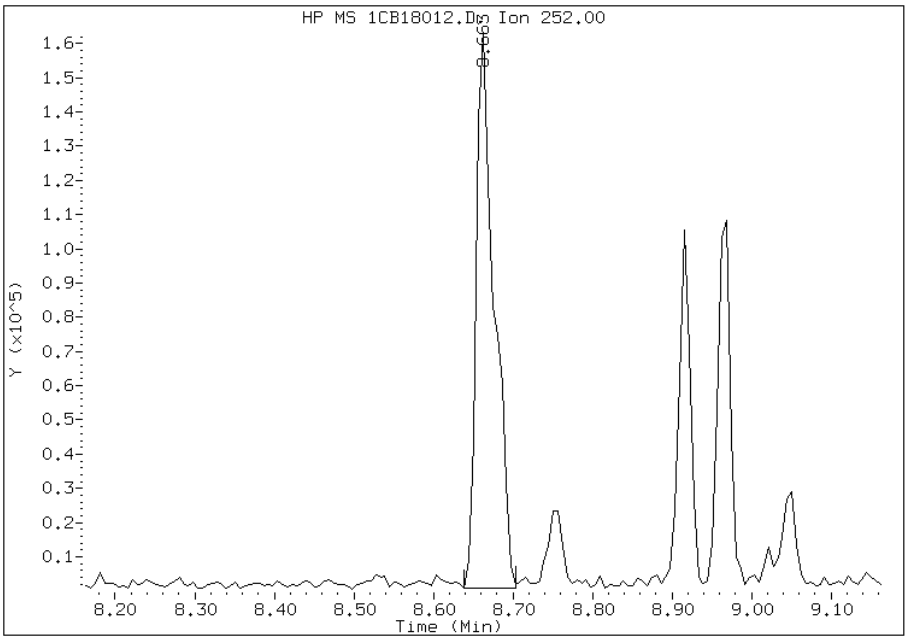
Processing Integration Results

RT: 8.66

Response: 254992

Amount: 4

Conc: 281



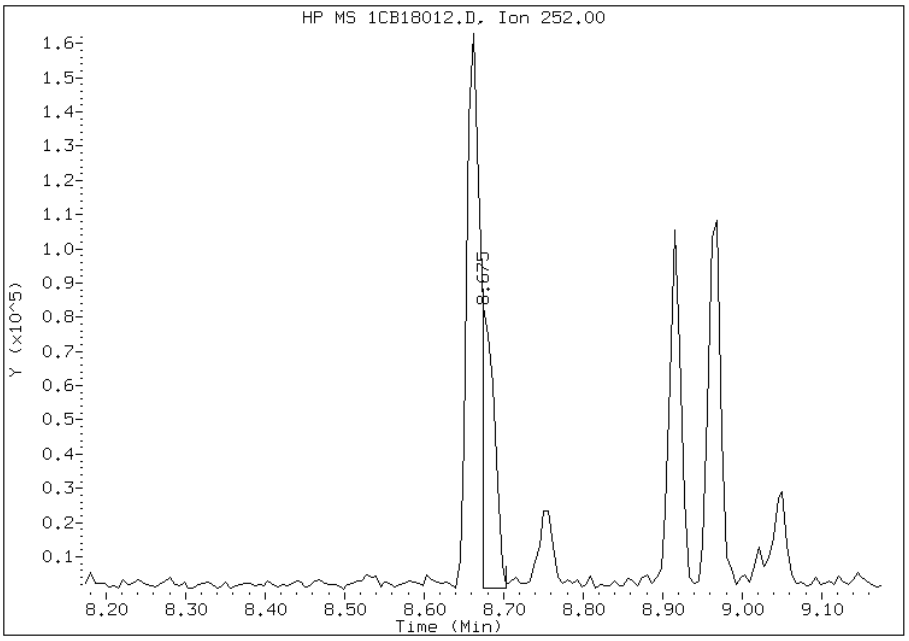
Manual Integration Results

RT: 8.67

Response: 89651

Amount: 1

Conc: 99



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 09:54
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CB18012.D
Inj. Date and Time: 18-FEB-2013 16:54
Instrument ID: BSMC5973.i
Client ID: CV0748EEE-CS
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 02/19/2013

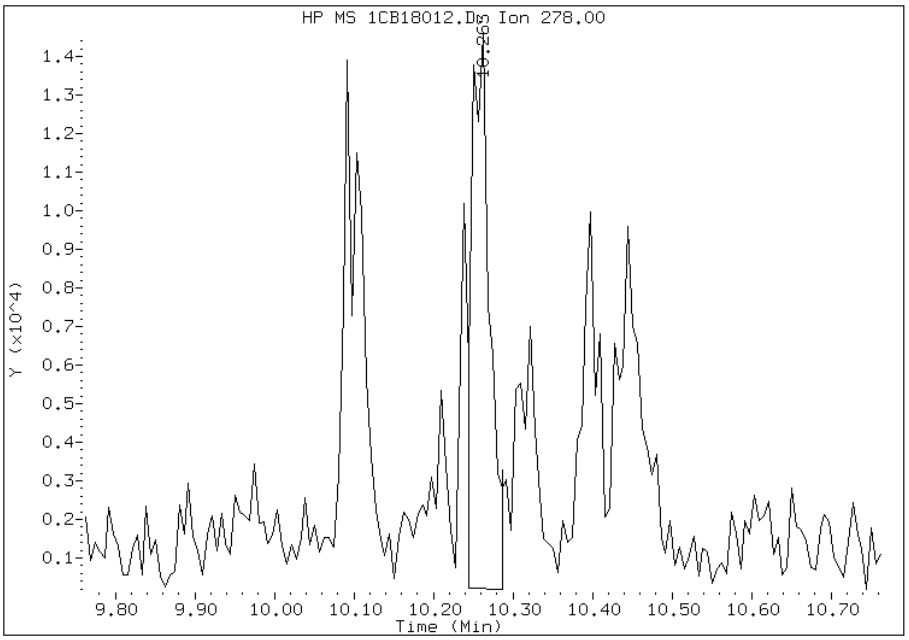
Processing Integration Results

RT: 10.26

Response: 22902

Amount: 0

Conc: 32



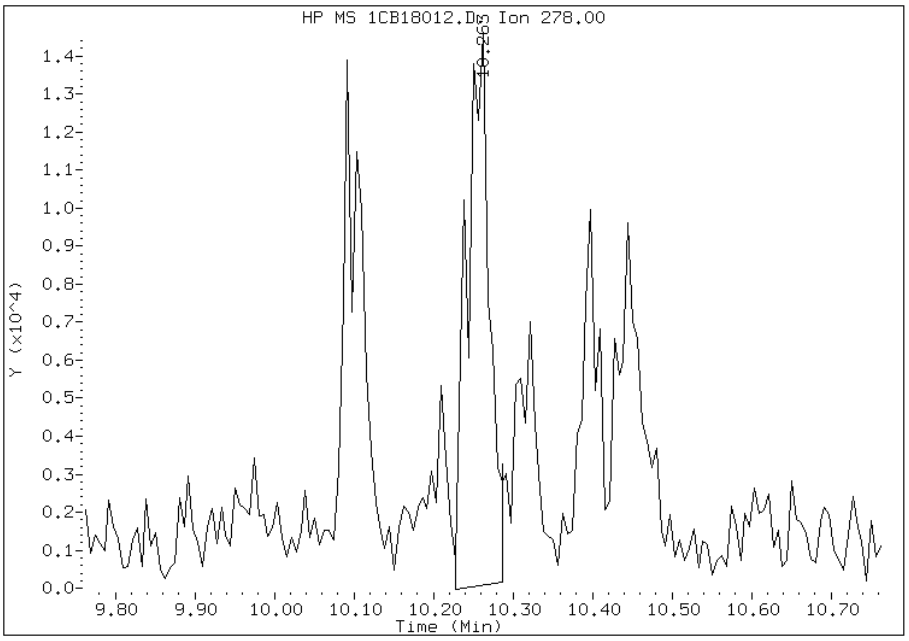
Manual Integration Results

RT: 10.26

Response: 29265

Amount: 1

Conc: 41



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 09:54
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CB18012.D
Inj. Date and Time: 18-FEB-2013 16:54
Instrument ID: BSMC5973.i
Client ID: CV0748EEE-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/19/2013

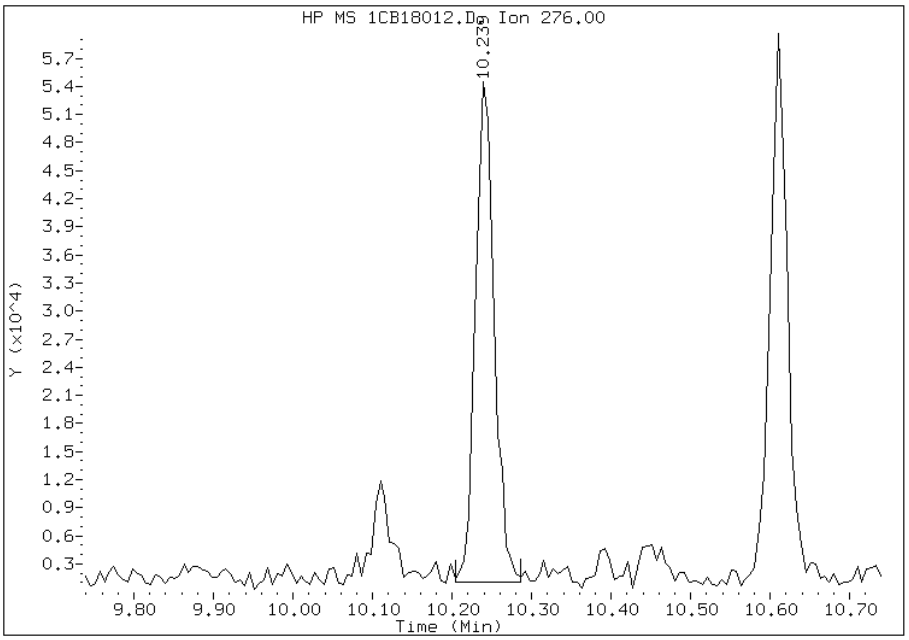
Processing Integration Results

RT: 10.24

Response: 86746

Amount: 1

Conc: 115



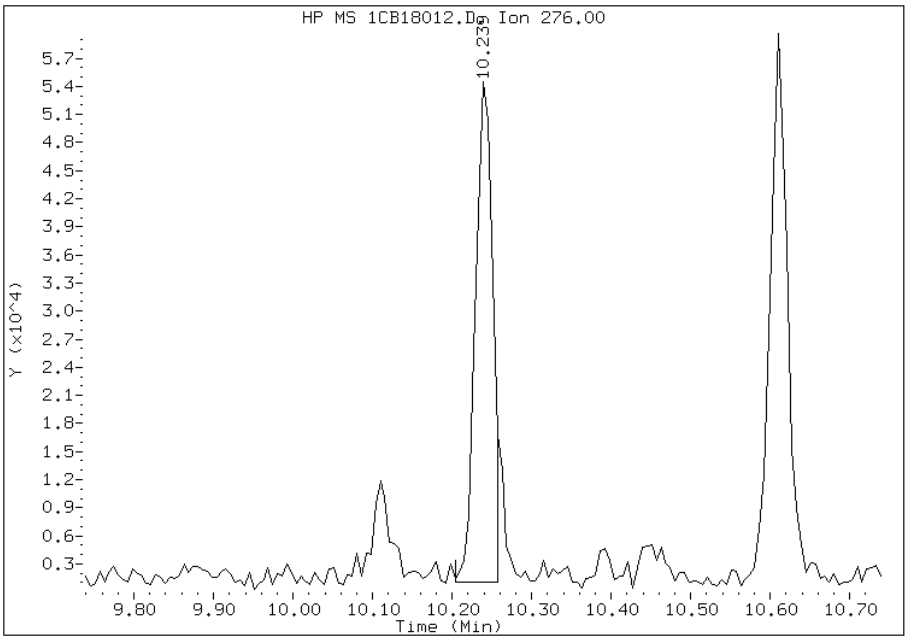
Manual Integration Results

RT: 10.24

Response: 79751

Amount: 1

Conc: 106



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 09:55
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748FFF-CS | Lab Sample ID: 680-87279-26

Matrix: Solid | Lab File ID: 1CB18013.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 15:21

Extract. Method: 3546 | Date Extracted: 02/14/2013 08:35

Sample wt/vol: 14.99(g) | Date Analyzed: 02/18/2013 17:13

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.2 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134598 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	110	U	110	21
208-96-8	Acenaphthylene	16	J	43	5.3
120-12-7	Anthracene	29		9.0	4.5
56-55-3	Benzo[a]anthracene	170		8.5	4.2
50-32-8	Benzo[a]pyrene	160		11	5.5
205-99-2	Benzo[b]fluoranthene	260		13	6.5
191-24-2	Benzo[g,h,i]perylene	120		21	4.7
207-08-9	Benzo[k]fluoranthene	98		8.5	3.8
218-01-9	Chrysene	180		9.6	4.8
53-70-3	Dibenz(a,h)anthracene	35		21	4.4
206-44-0	Fluoranthene	270		21	4.3
86-73-7	Fluorene	8.3	J	21	4.4
193-39-5	Indeno[1,2,3-cd]pyrene	91		21	7.6
90-12-0	1-Methylnaphthalene	54		43	4.7
91-57-6	2-Methylnaphthalene	60		43	7.6
91-20-3	Naphthalene	57		43	4.7
85-01-8	Phenanthrene	120		8.5	4.2
129-00-0	Pyrene	240		21	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	64		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\1CB18013.D
Lab Smp Id: 680-87279-A-26-A Client Smp ID: CV0748FFF-CS
Inj Date : 18-FEB-2013 17:13
Operator : SCC Inst ID: BSMC5973.i
Smp Info : 680-87279-A-26-A
Misc Info : 680-87279-A-26-A
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\a-bFASTPAHi-m.m
Meth Date : 18-Feb-2013 14:24 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	14.990	Weight Extracted
M	6.181	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	3.816	3.816	(1.000)	2019079	40.0000	
* 6 Acenaphthene-d10	164	4.904	4.904	(1.000)	1580384	40.0000	
* 10 Phenanthrene-d10	188	5.857	5.857	(1.000)	2879690	40.0000	
$ 14 o-Terphenyl	230	6.110	6.109	(1.043)	269913	6.39695	454.8627
* 18 Chrysene-d12	240	7.804	7.809	(1.000)	2947957	40.0000	
* 23 Perylene-d12	264	9.021	9.027	(1.000)	2741541	40.0000	
2 Naphthalene	128	3.827	3.827	(1.003)	43029	0.80424	57.1861
3 2-Methylnaphthalene	142	4.251	4.257	(1.114)	29201	0.83938	59.6849
4 1-Methylnaphthalene	142	4.316	4.315	(1.131)	23967	0.75749	53.8622
5 Acenaphthylene	152	4.816	4.815	(0.982)	13750	0.21869	15.5502
9 Fluorene	166	5.245	5.245	(1.070)	5916	0.11687	8.3103(Q)
11 Phenanthrene	178	5.869	5.874	(1.002)	146828	1.70816	121.4608
12 Anthracene	178	5.904	5.909	(1.008)	31882	0.41168	29.2727
13 Carbazole	167	6.010	6.015	(1.026)	22528	0.33489	23.8127

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
15 Fluoranthene	202	6.710	6.715	(1.146)	316405	3.76710	267.8640
16 Pyrene	202	6.880	6.880	(0.882)	267773	3.41191	242.6081
17 Benzo(a)anthracene	228	7.798	7.798	(0.999)	199525	2.45436	174.5205
19 Chrysene	228	7.821	7.827	(1.002)	216879	2.58274	183.6490
20 Benzo(b)fluoranthene	252	8.662	8.662	(0.960)	242398	3.60638	256.4361
21 Benzo(k)fluoranthene	252	8.680	8.686	(0.962)	102402	1.38293	98.3348(Q)
22 Benzo(a)pyrene	252	8.962	8.968	(0.993)	145978	2.28242	162.2942
24 Indeno(1,2,3-cd)pyrene	276	10.239	10.250	(1.135)	78433	1.27679	90.7876(M)
25 Dibenzo(a,h)anthracene	278	10.251	10.268	(1.136)	28412	0.49046	34.8746
26 Benzo(g,h,i)perylene	276	10.604	10.621	(1.175)	109607	1.75651	124.8987(M)

QC Flag Legend

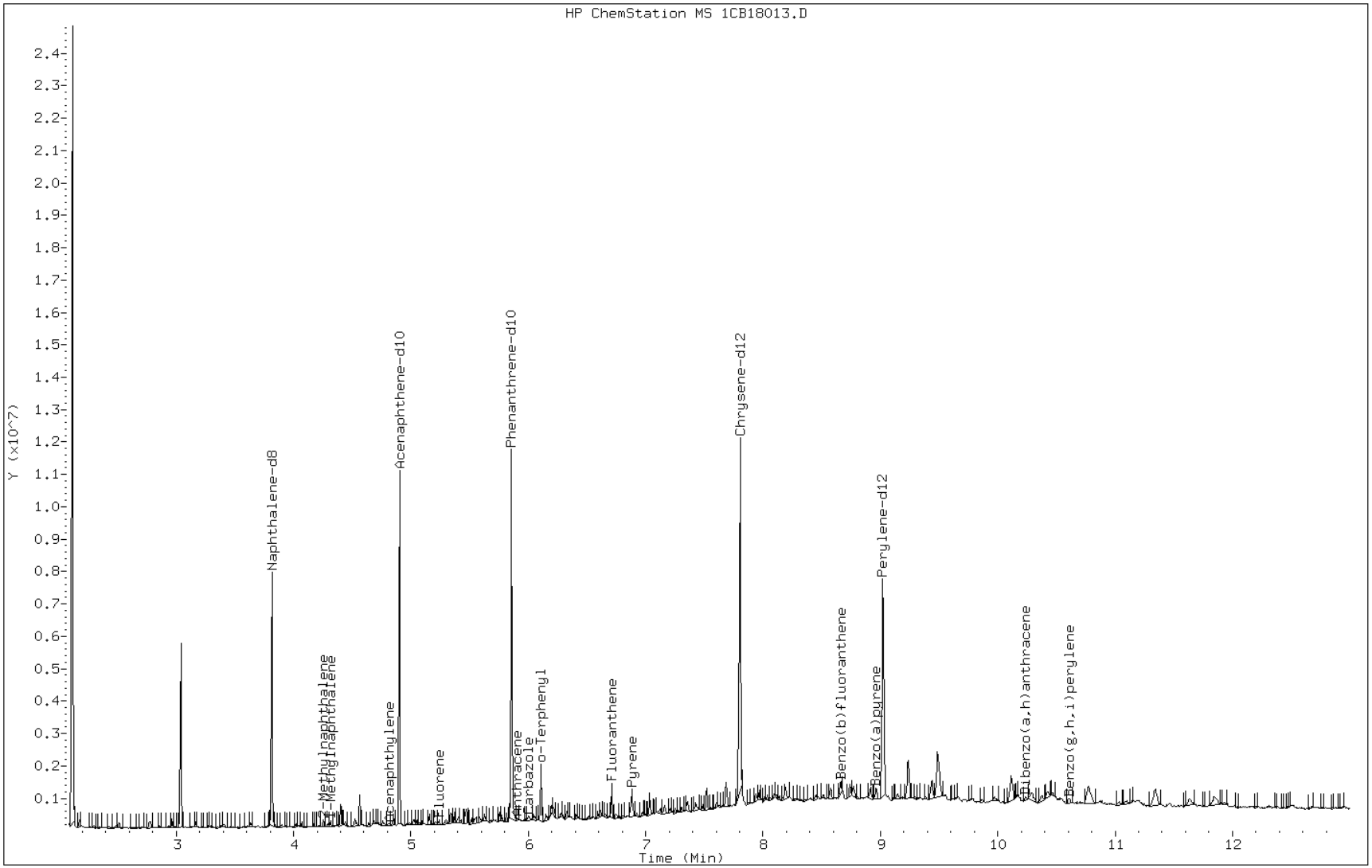
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC



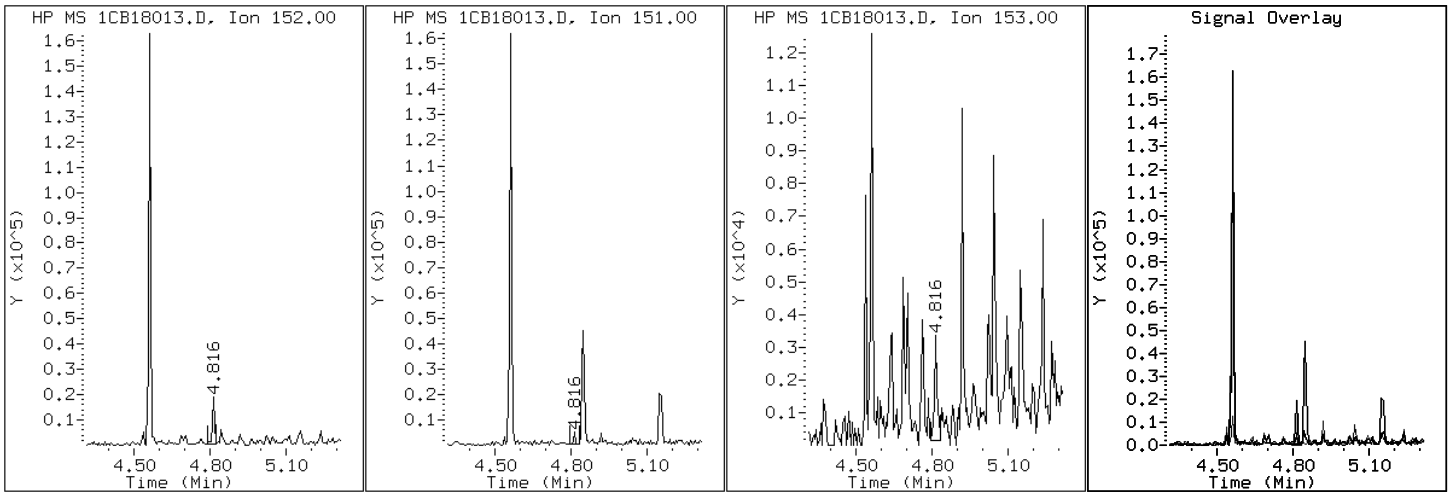
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

5 Acenaphthylene



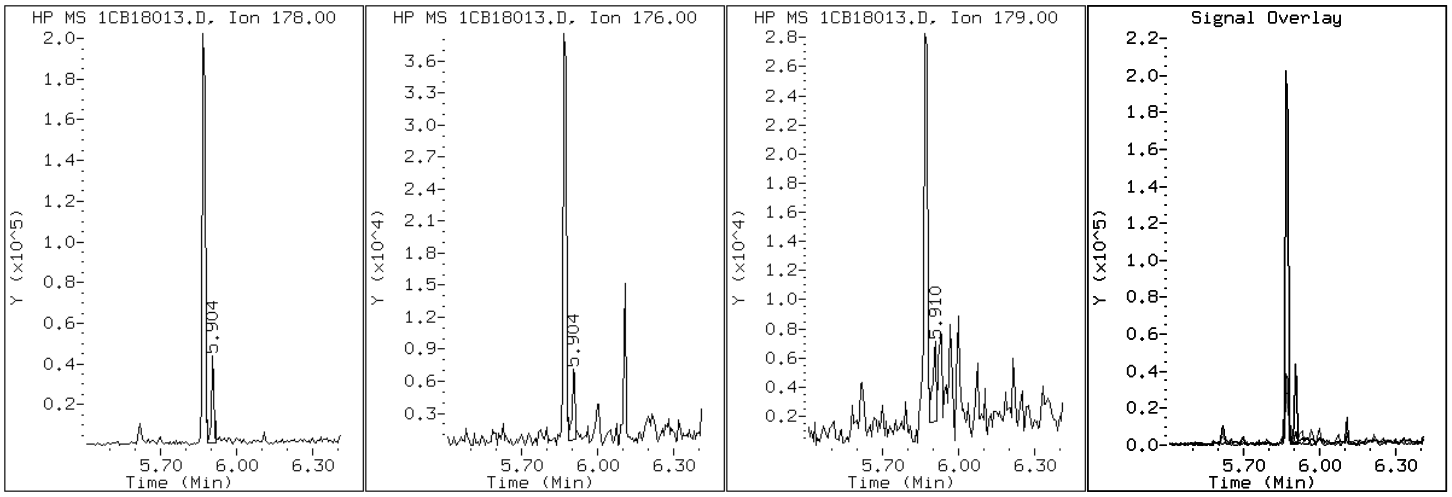
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

12 Anthracene



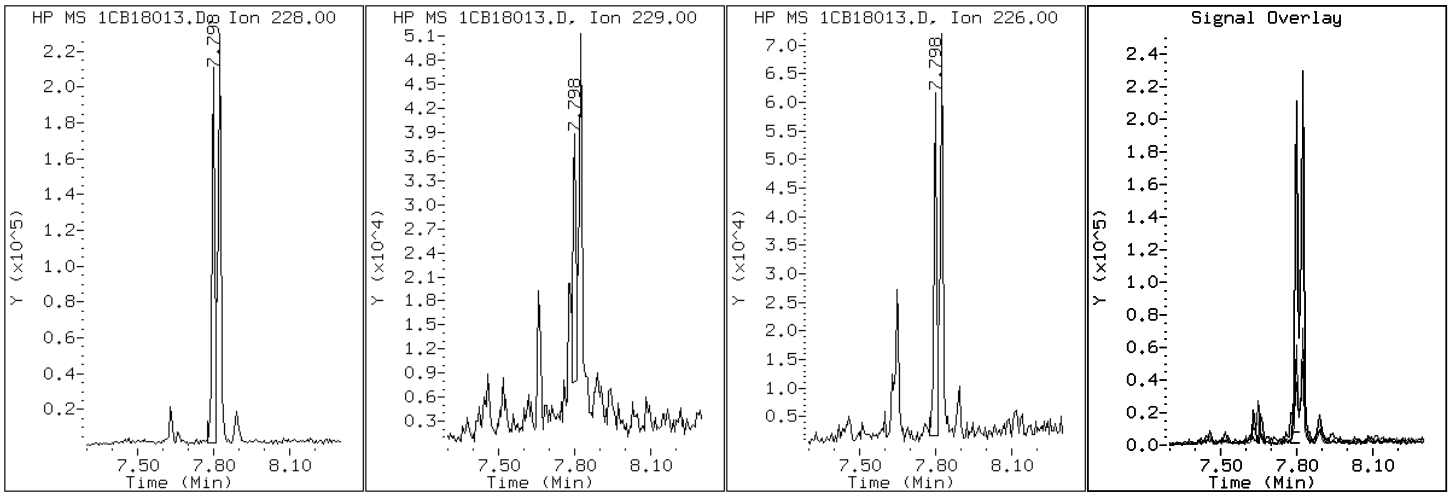
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

17 Benzo(a)anthracene



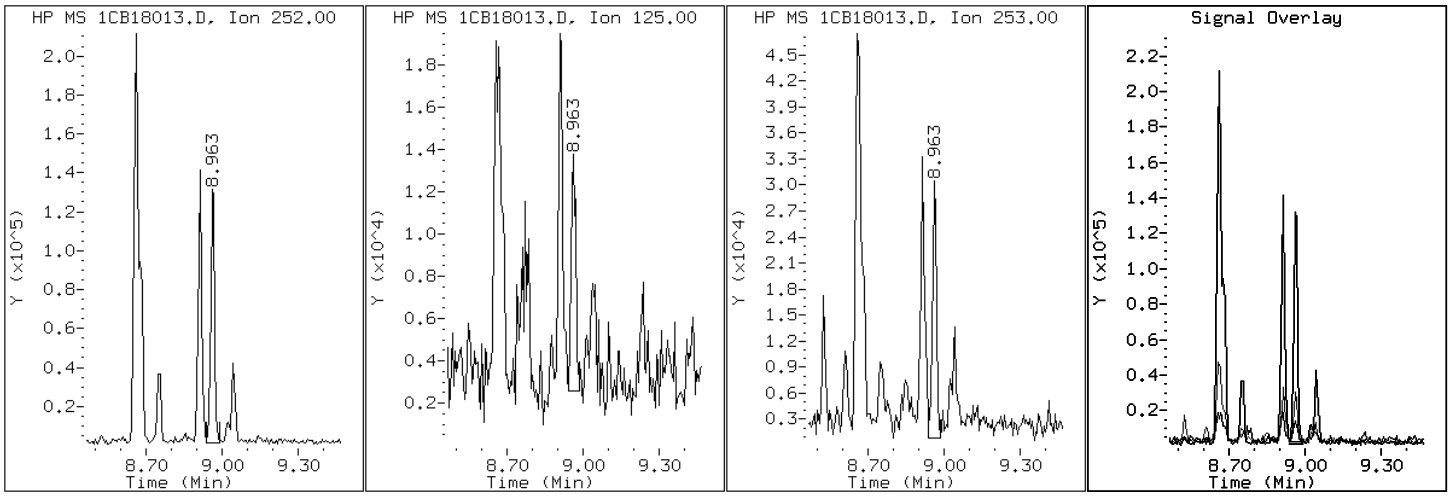
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

22 Benzo(a)pyrene



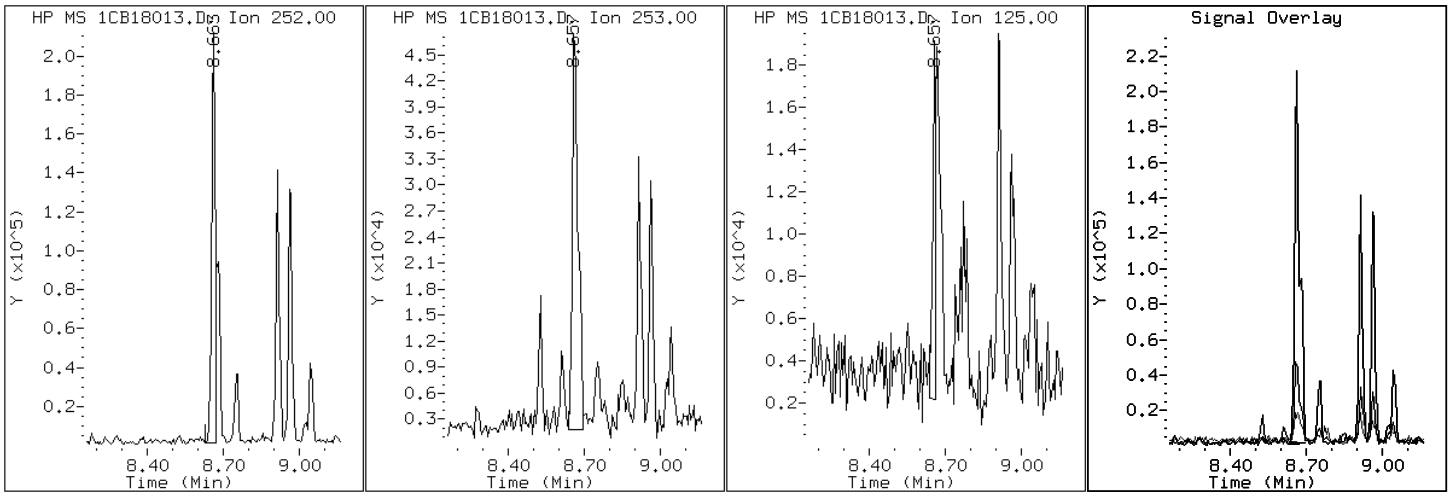
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

20 Benzo(b)fluoranthene



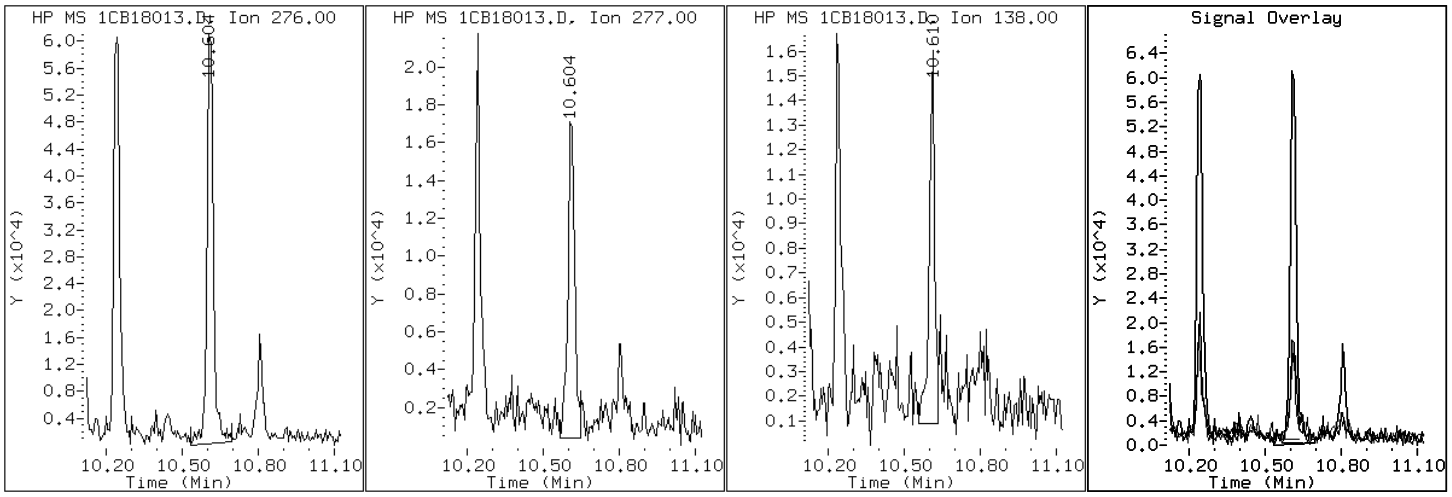
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

26 Benzo(g,h,i)perylene



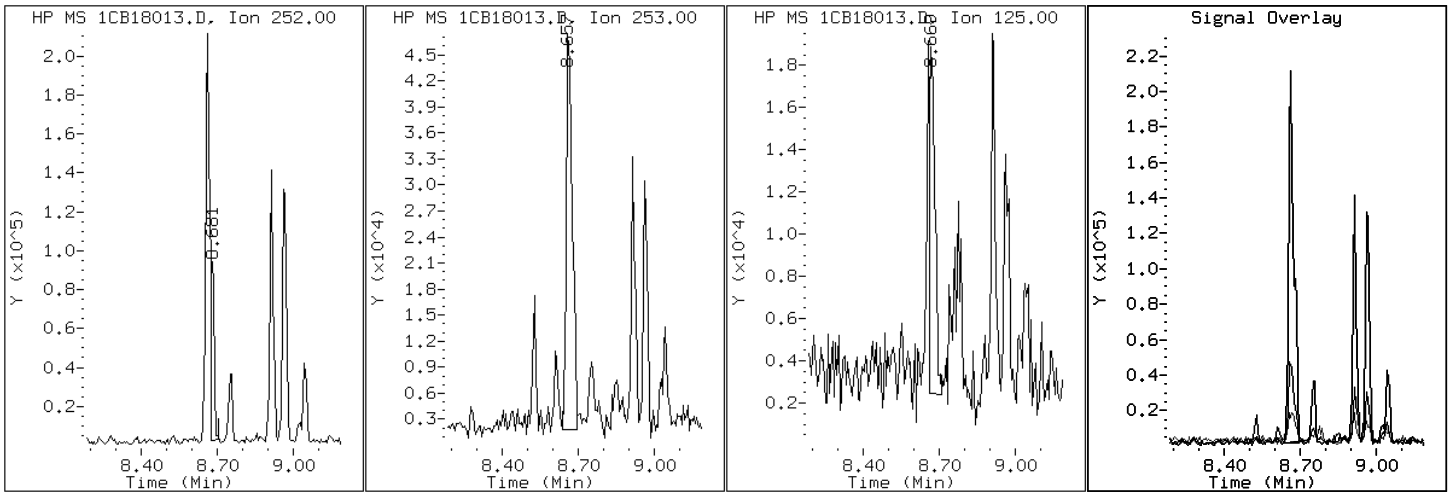
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

21 Benzo(k)fluoranthene



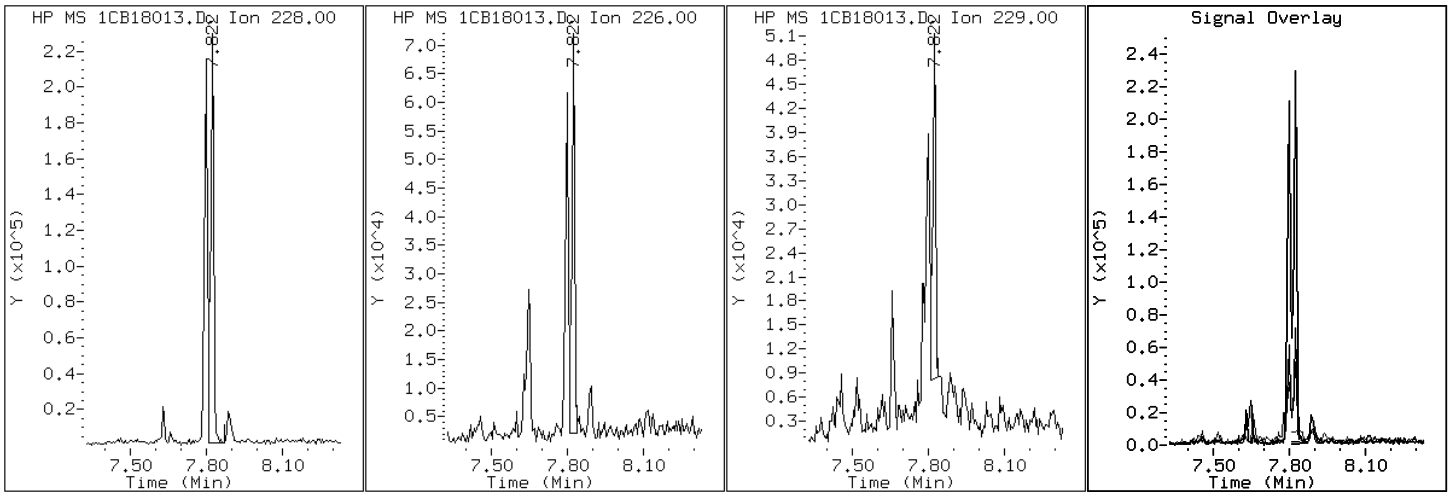
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

19 Chrysene



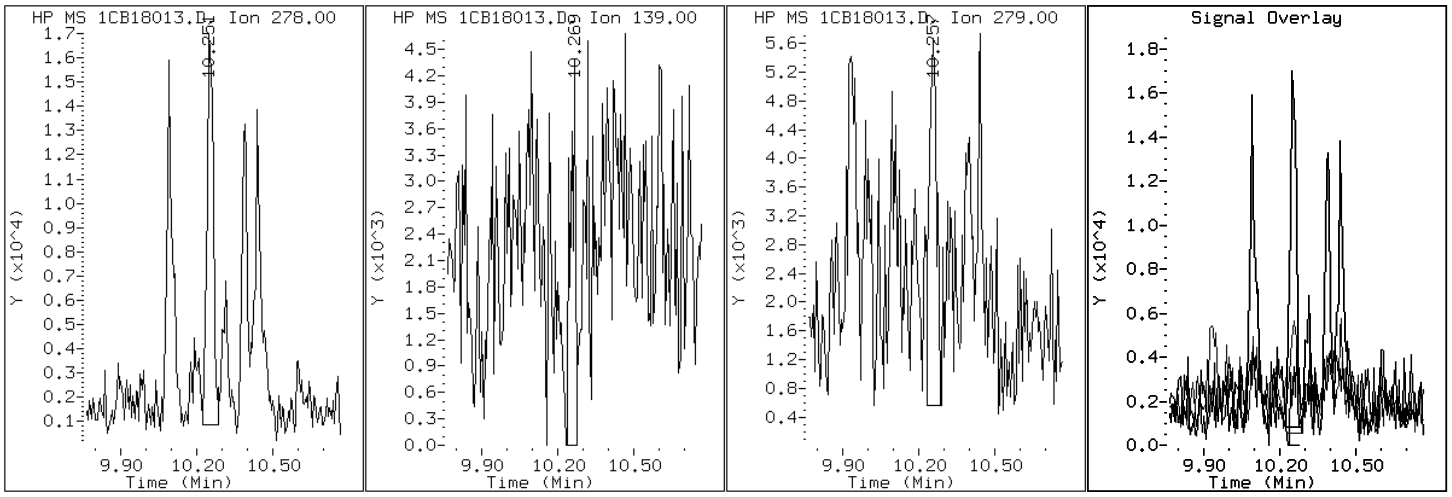
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

25 Dibenzo(a,h)anthracene



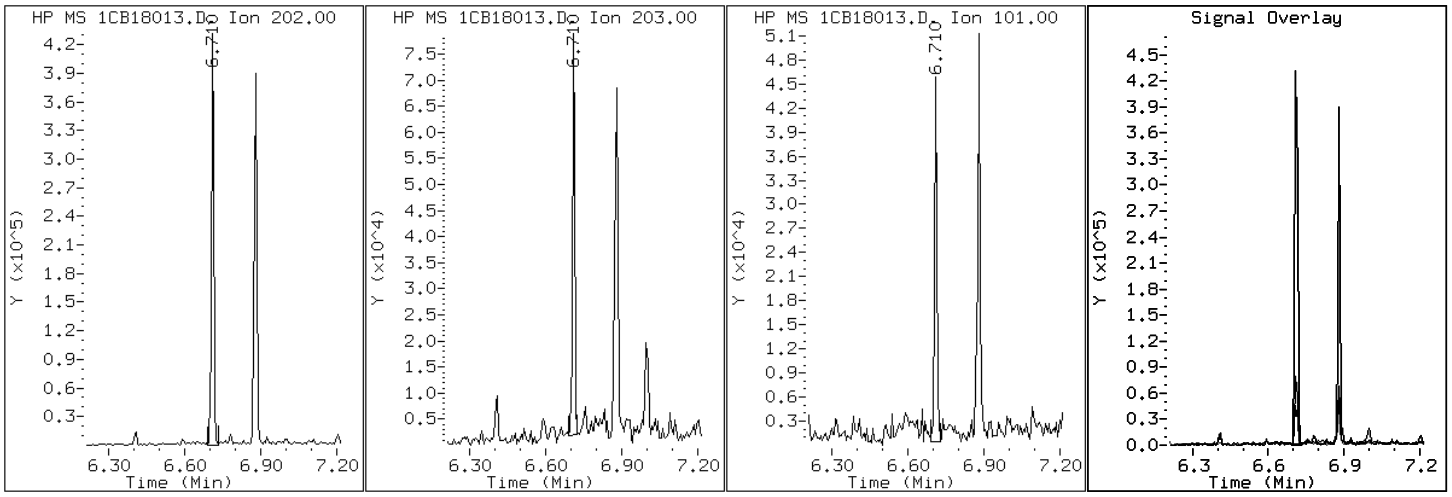
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

15 Fluoranthene



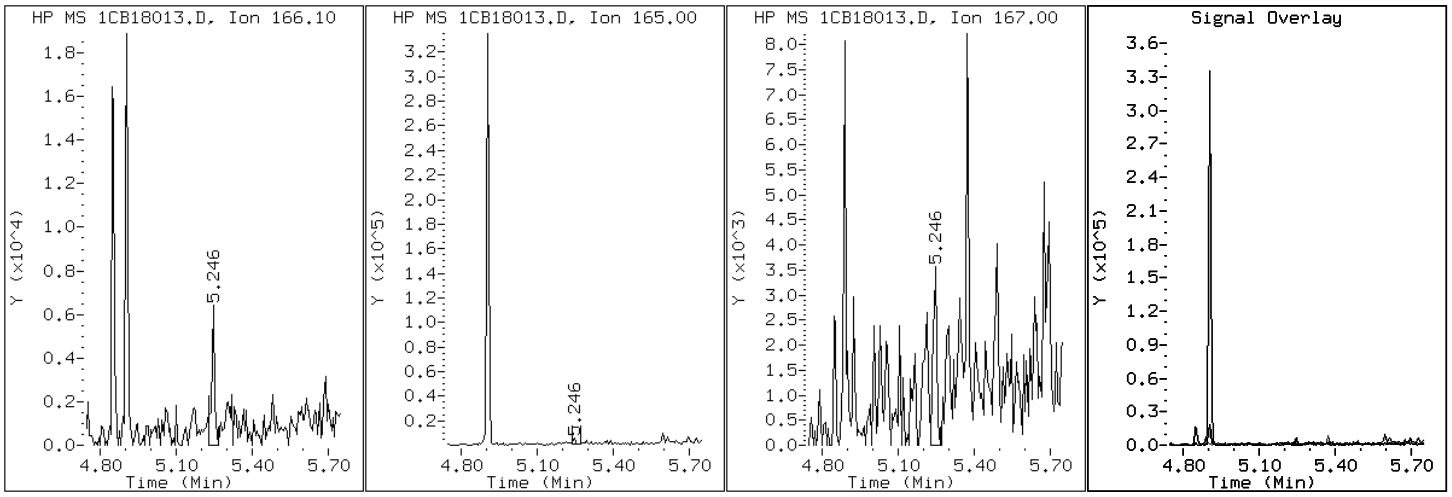
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

9 Fluorene



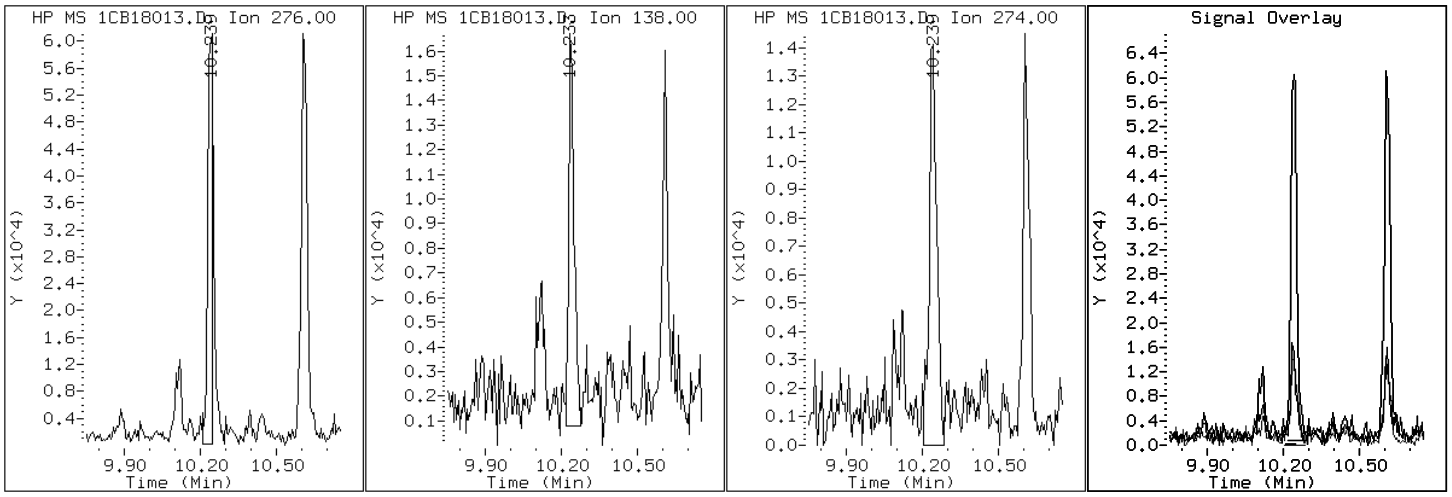
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

24 Indeno(1,2,3-cd)pyrene



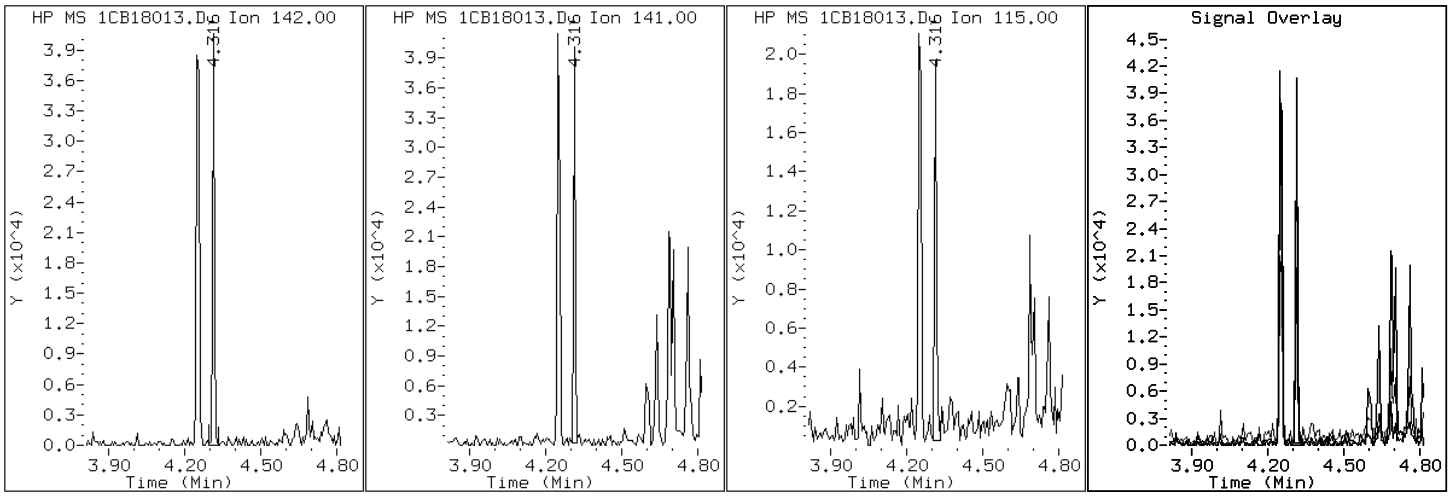
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

4 1-Methylnaphthalene



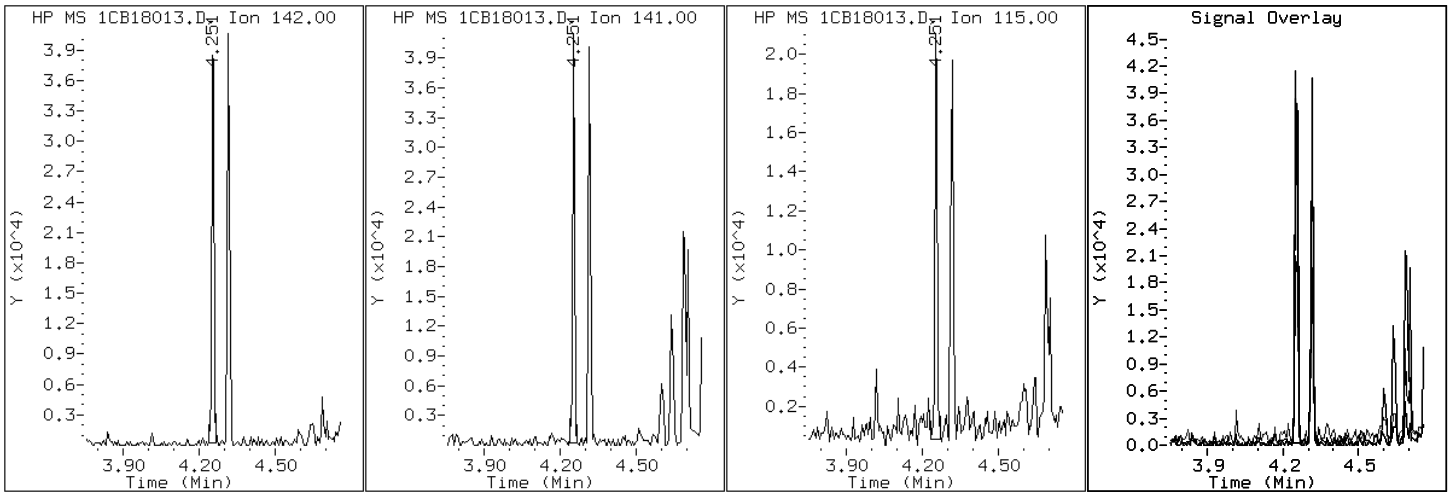
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

3 2-Methylnaphthalene



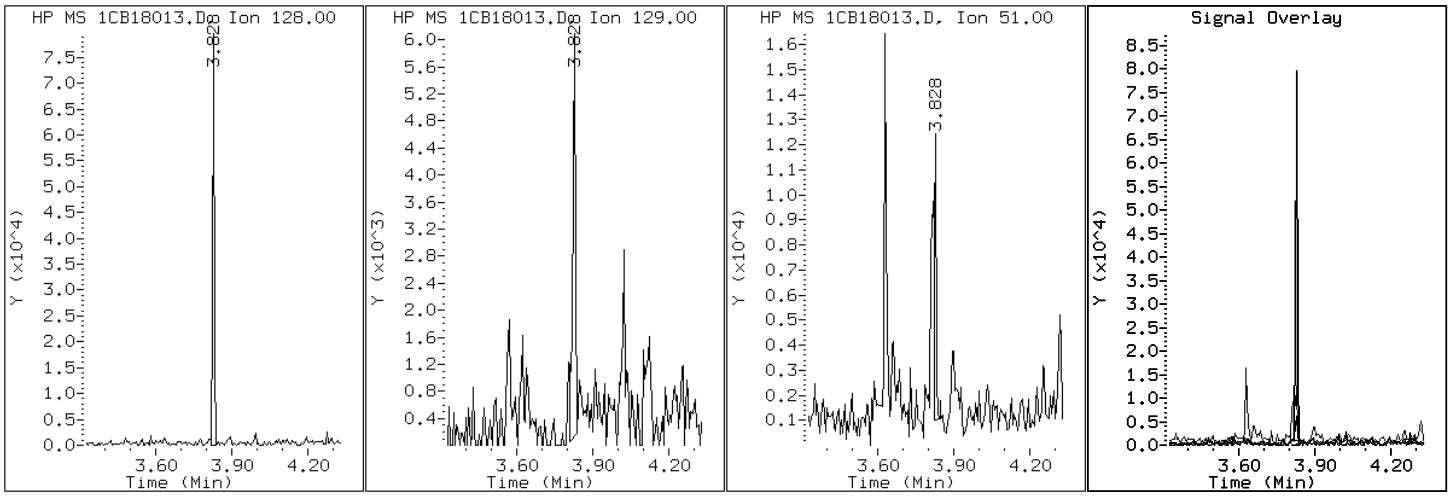
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

2 Naphthalene



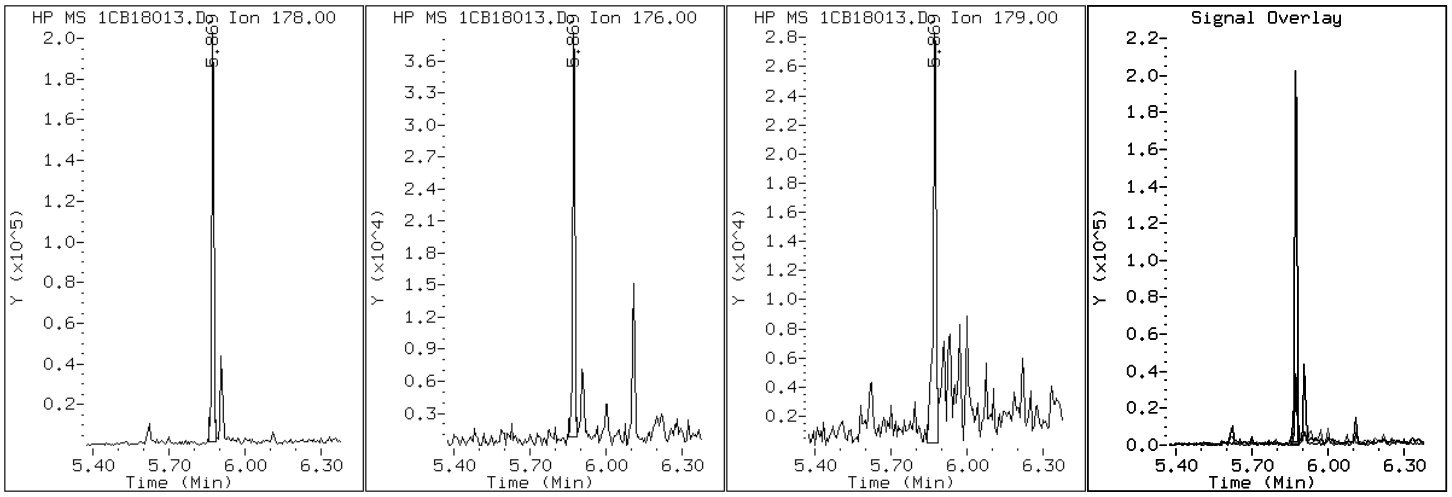
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

11 Phenanthrene



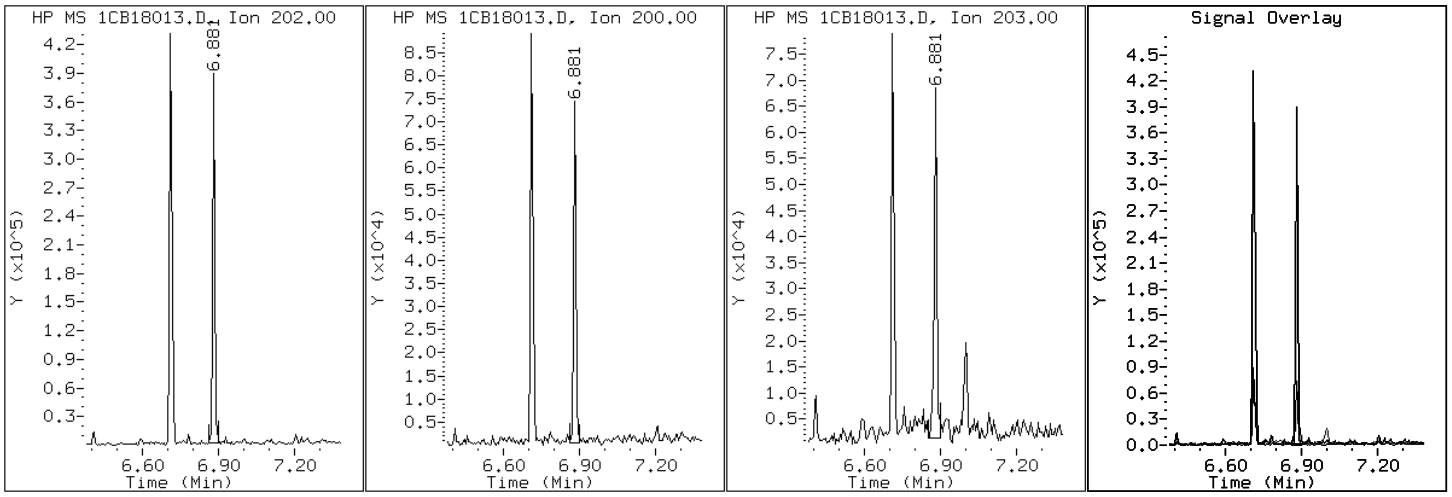
Data File: 1CB18013.D

Date: 18-FEB-2013 17:13

Client ID: CV0748FFF-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-26-A Operator: SCC

16 Pyrene



Manual Integration Report

Data File: 1CB18013.D
Inj. Date and Time: 18-FEB-2013 17:13
Instrument ID: BSMC5973.i
Client ID: CV0748FFF-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 02/19/2013

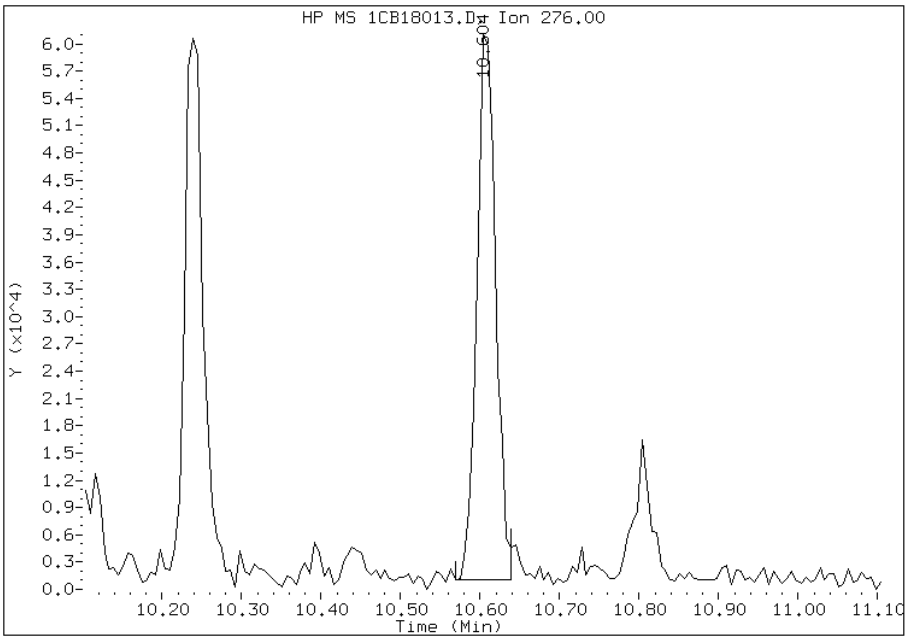
Processing Integration Results

RT: 10.60

Response: 98132

Amount: 2

Conc: 112



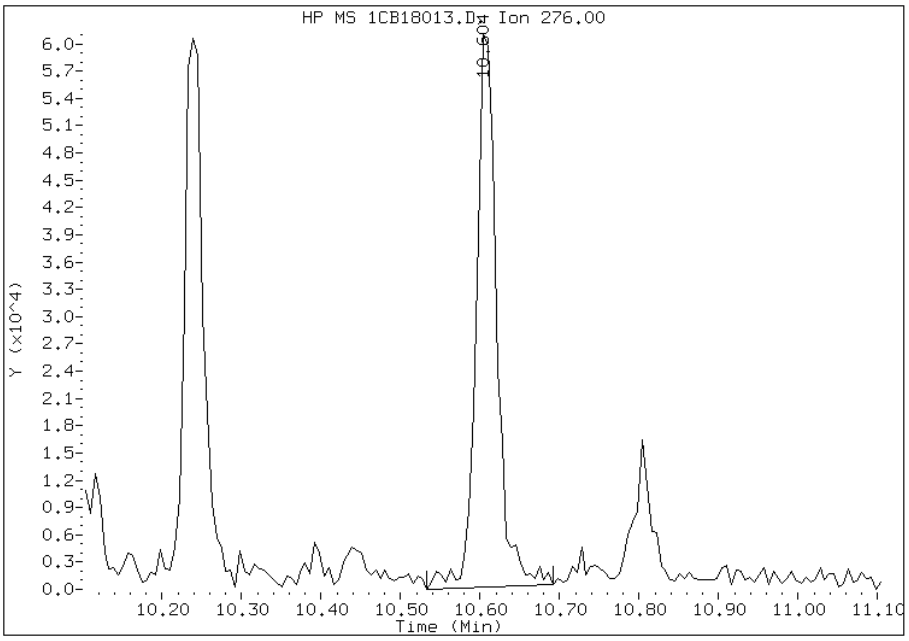
Manual Integration Results

RT: 10.60

Response: 109607

Amount: 2

Conc: 125



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 09:55
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CB18013.D
Inj. Date and Time: 18-FEB-2013 17:13
Instrument ID: BSMC5973.i
Client ID: CV0748FFF-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/19/2013

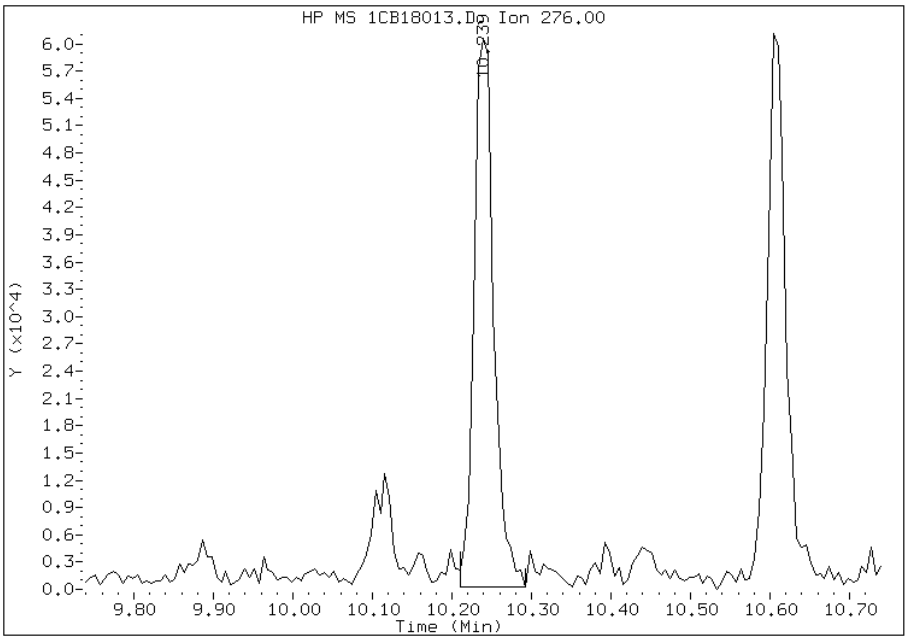
Processing Integration Results

RT: 10.24

Response: 103740

Amount: 2

Conc: 120



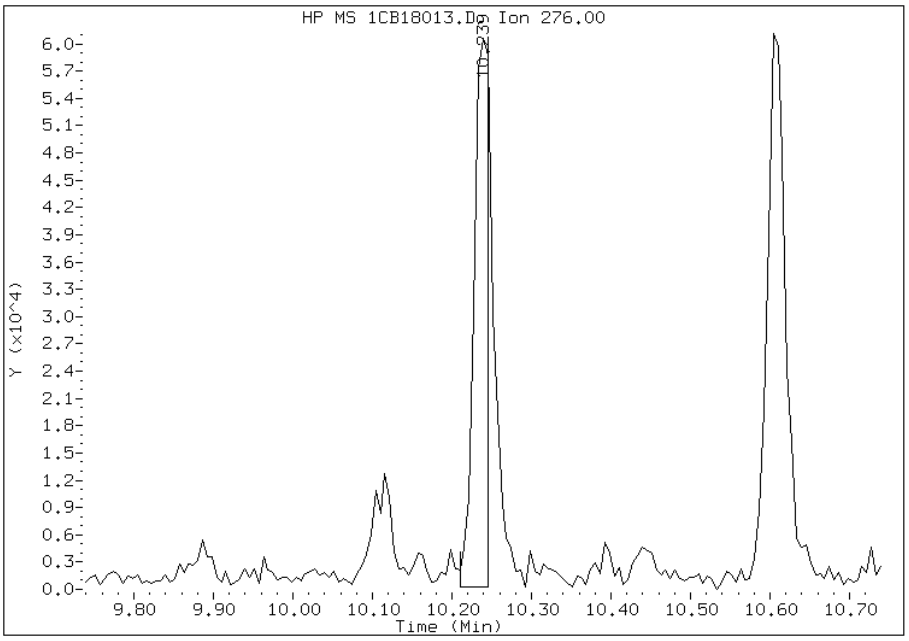
Manual Integration Results

RT: 10.24

Response: 78433

Amount: 1

Conc: 91



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 09:56
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748KKK-CS | Lab Sample ID: 680-87279-27

Matrix: Solid | Lab File ID: 1AB15021.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 16:38

Extract. Method: 3546 | Date Extracted: 02/14/2013 08:35

Sample wt/vol: 15.14(g) | Date Analyzed: 02/15/2013 19:08

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 6.9 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134532 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	110	U	110	21
208-96-8	Acenaphthylene	18	J	43	5.3
120-12-7	Anthracene	24		8.9	4.5
56-55-3	Benzo[a]anthracene	100		8.5	4.2
50-32-8	Benzo[a]pyrene	65		11	5.5
205-99-2	Benzo[b]fluoranthene	100		13	6.5
191-24-2	Benzo[g,h,i]perylene	80		21	4.7
207-08-9	Benzo[k]fluoranthene	48		8.5	3.8
218-01-9	Chrysene	110		9.6	4.8
53-70-3	Dibenz(a,h)anthracene	28		21	4.4
206-44-0	Fluoranthene	160		21	4.3
86-73-7	Fluorene	4.5	J	21	4.4
193-39-5	Indeno[1,2,3-cd]pyrene	72		21	7.6
90-12-0	1-Methylnaphthalene	26	J	43	4.7
91-57-6	2-Methylnaphthalene	30	J	43	7.6
91-20-3	Naphthalene	28	J	43	4.7
85-01-8	Phenanthrene	93		8.5	4.2
129-00-0	Pyrene	140		21	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	59		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15021.D
Lab Smp Id: 680-87279-A-27-A Client Smp ID: CV0748KKK-CS
Inj Date : 15-FEB-2013 19:08
Operator : SCC Inst ID: BSMA5973.i
Smp Info : 680-87279-a-27-a
Misc Info : 680-87279-A-27-A
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 15:32 cantins Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.140	Weight Extracted
M	6.917	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	2.418	2.415	(1.000)	864833	40.0000	
* 6 Acenaphthene-d10	164	3.444	3.441	(1.000)	572179	40.0000	
* 10 Phenanthrene-d10	188	4.389	4.386	(1.000)	823922	40.0000	
$ 14 o-Terphenyl	230	4.667	4.664	(1.063)	70098	5.85515	415.4719
* 18 Chrysene-d12	240	6.414	6.411	(1.000)	576223	40.0000	
* 23 Perylene-d12	264	7.515	7.501	(1.000)	732490	40.0000	
2 Naphthalene	128	2.429	2.426	(1.004)	8360	0.39826	28.2596(Q)
3 2-Methylnaphthalene	141	2.829	2.832	(1.170)	4830	0.42950	30.4767
4 1-Methylnaphthalene	142	2.888	2.885	(1.194)	4700	0.36921	26.1984
5 Acenaphthylene	152	3.358	3.355	(0.975)	6264	0.24794	17.5930
9 Fluorene	166	3.775	3.772	(1.096)	1093	0.06357	4.5106(Q)
11 Phenanthrene	178	4.400	4.402	(1.002)	29381	1.30602	92.6731
12 Anthracene	178	4.437	4.434	(1.011)	7691	0.33532	23.7934
13 Carbazole	167	4.592	4.589	(1.046)	4218	0.21454	15.2231

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
15 Fluoranthene	202	5.265	5.262	(1.200)	49656	2.22633	157.9766
16 Pyrene	202	5.436	5.433	(0.848)	41238	1.98162	140.6123
17 Benzo(a)anthracene	228	6.403	6.395	(0.998)	24925	1.44869	102.7964
19 Chrysene	228	6.425	6.427	(1.002)	24934	1.48679	105.5004
20 Benzo(b)fluoranthene	252	7.226	7.217	(0.962)	28912	1.41421	100.3498(M)
21 Benzo(k)fluoranthene	252	7.237	7.239	(0.963)	14460	0.67650	48.0030(M)
22 Benzo(a)pyrene	252	7.456	7.452	(0.992)	17882	0.92109	65.3592
24 Indeno(1,2,3-cd)pyrene	276	8.241	8.238	(1.097)	15470	1.00915	71.6074(M)
25 Dibenzo(a,h)anthracene	278	8.257	8.254	(1.099)	6093	0.39758	28.2114
26 Benzo(g,h,i)perylene	276	8.460	8.446	(1.126)	17879	1.12577	79.8826

QC Flag Legend

Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1AB15021.D

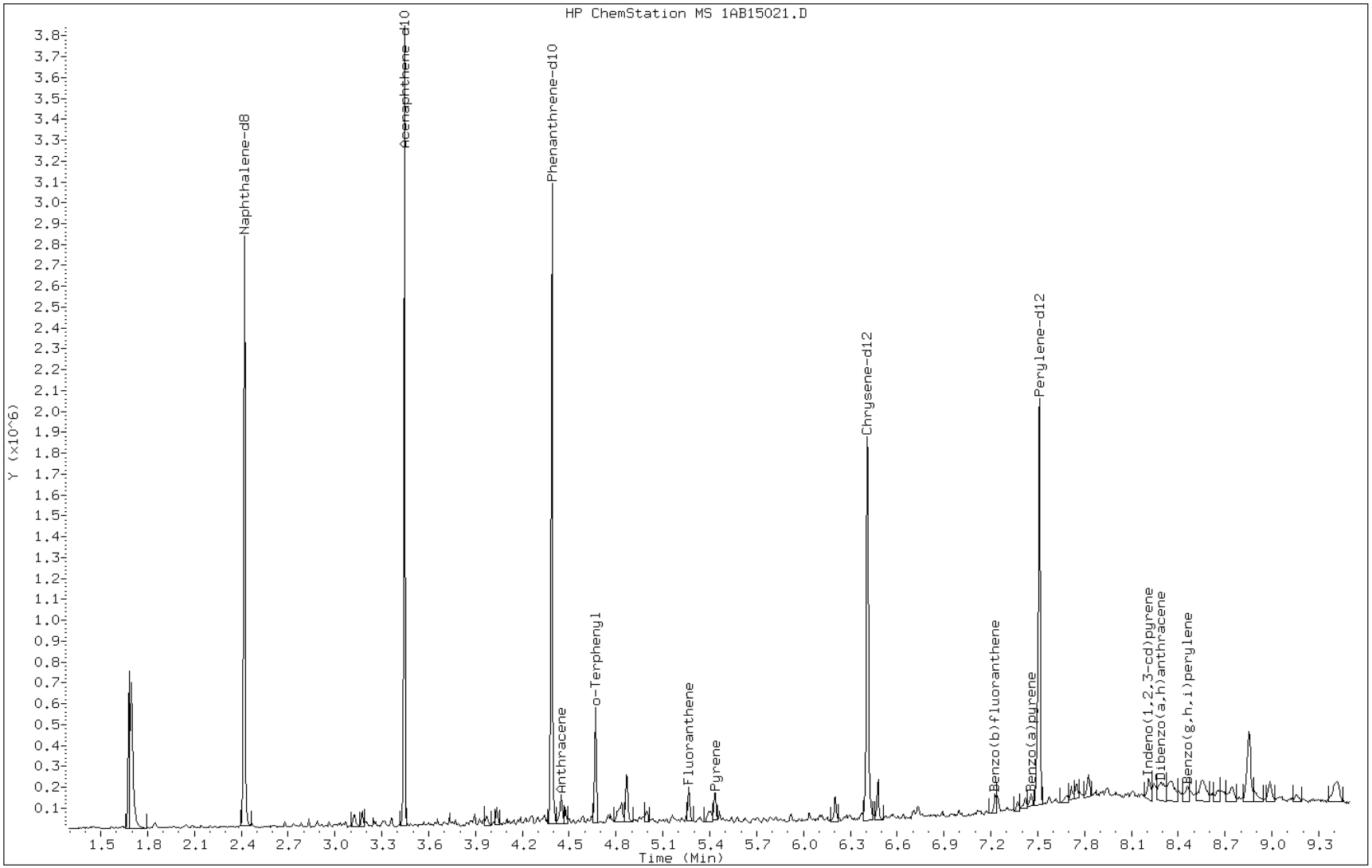
Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS

Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a

Operator: SCC



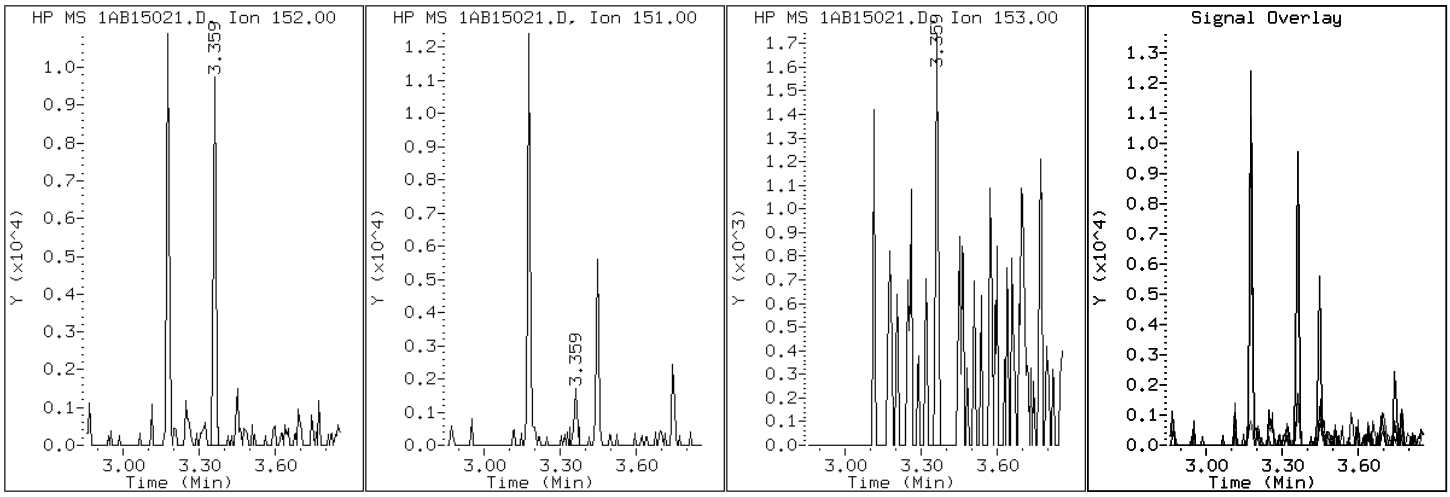
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

5 Acenaphthylene



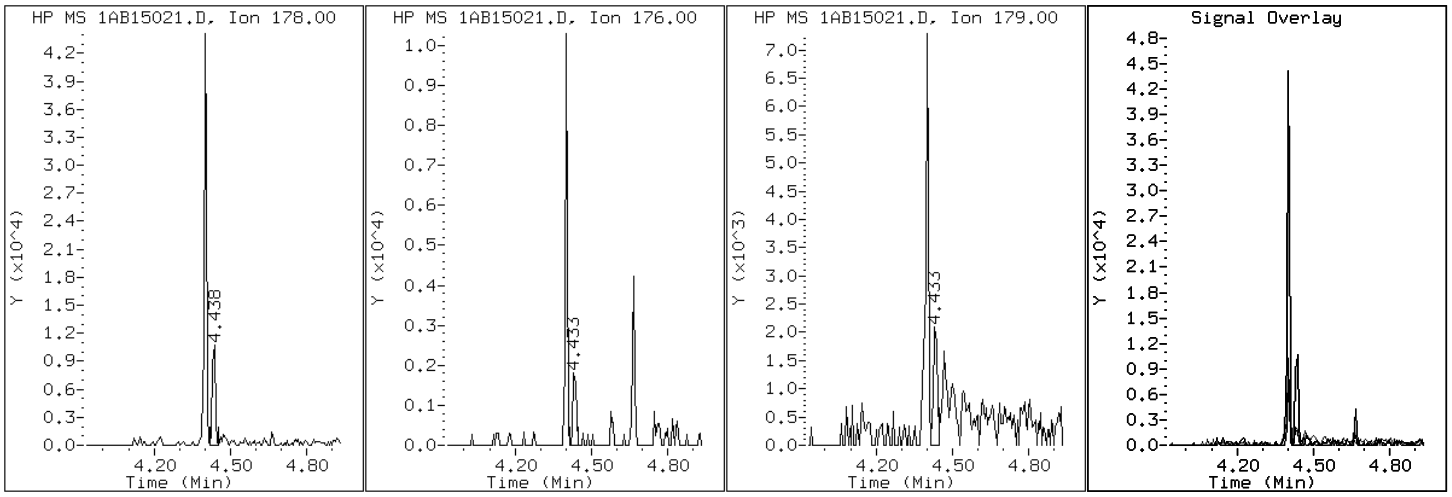
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

12 Anthracene



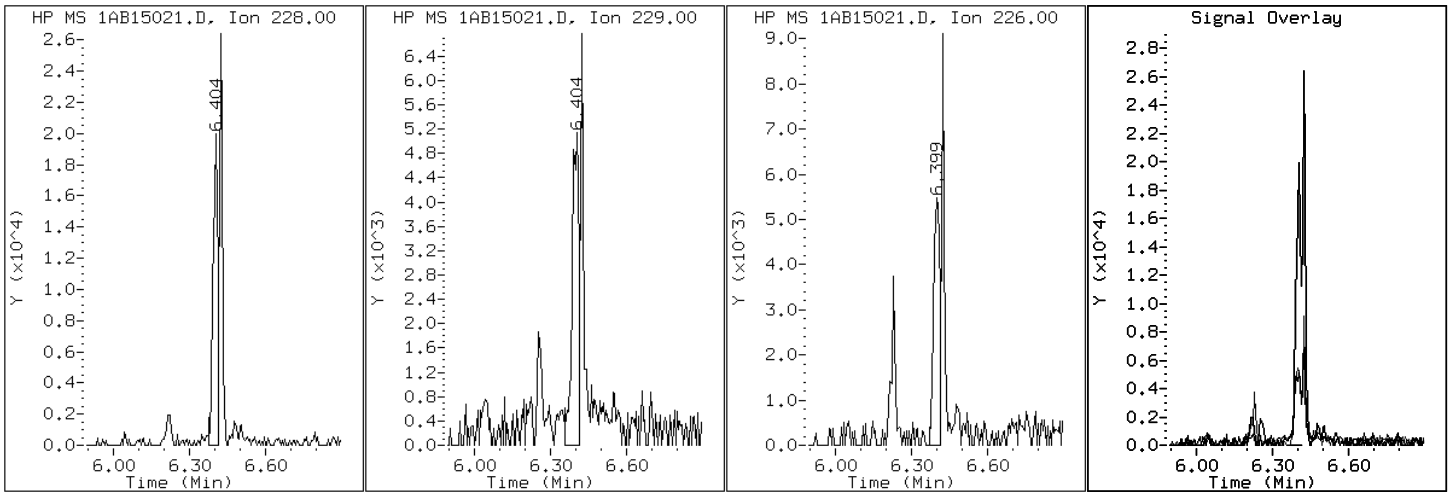
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

17 Benzo(a)anthracene



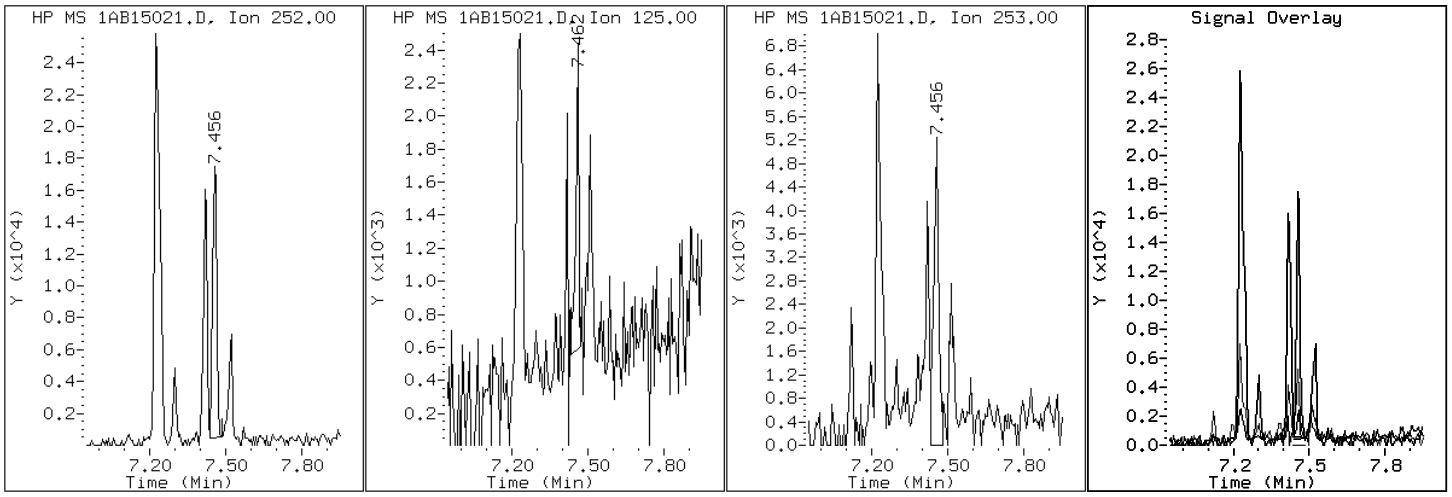
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

22 Benzo(a)pyrene



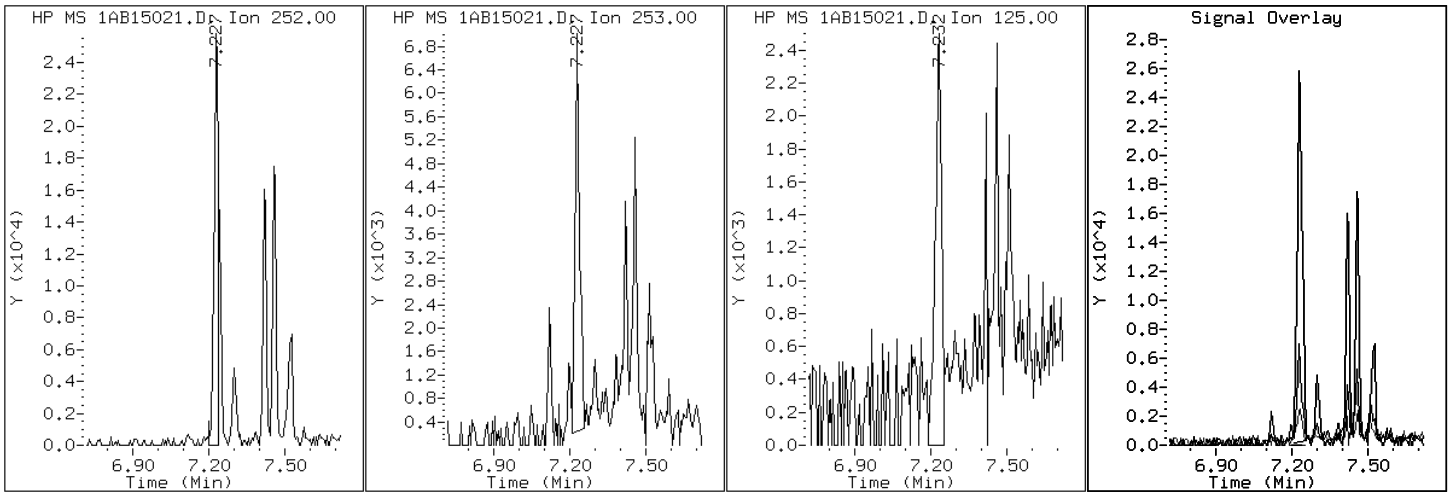
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

20 Benzo(b)fluoranthene



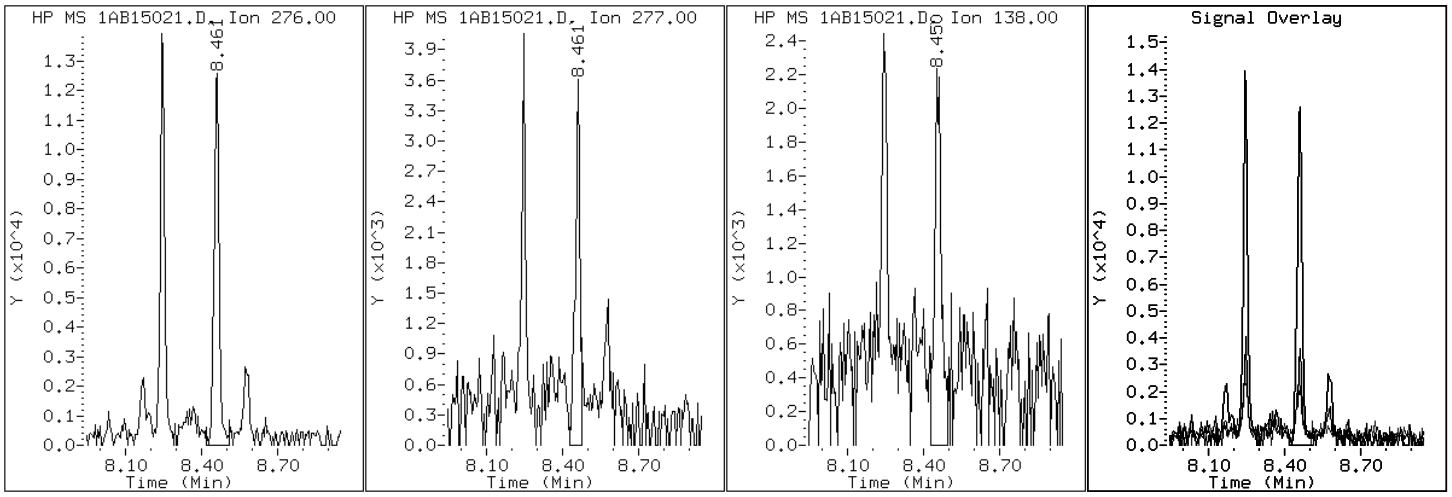
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

26 Benzo(g,h,i)perylene



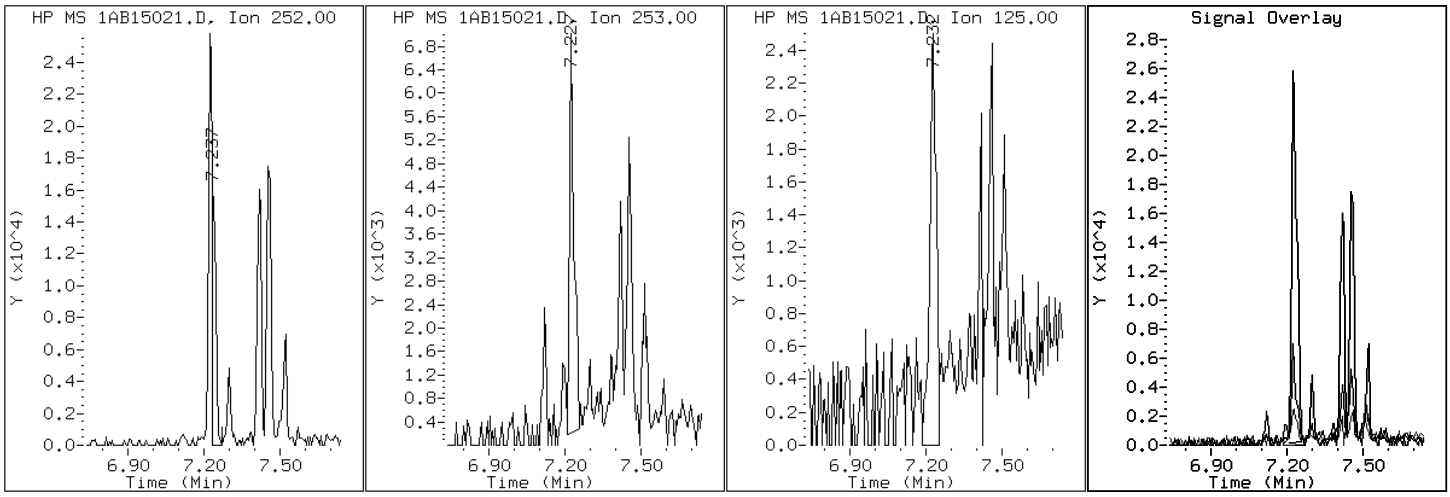
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

21 Benzo(k)fluoranthene



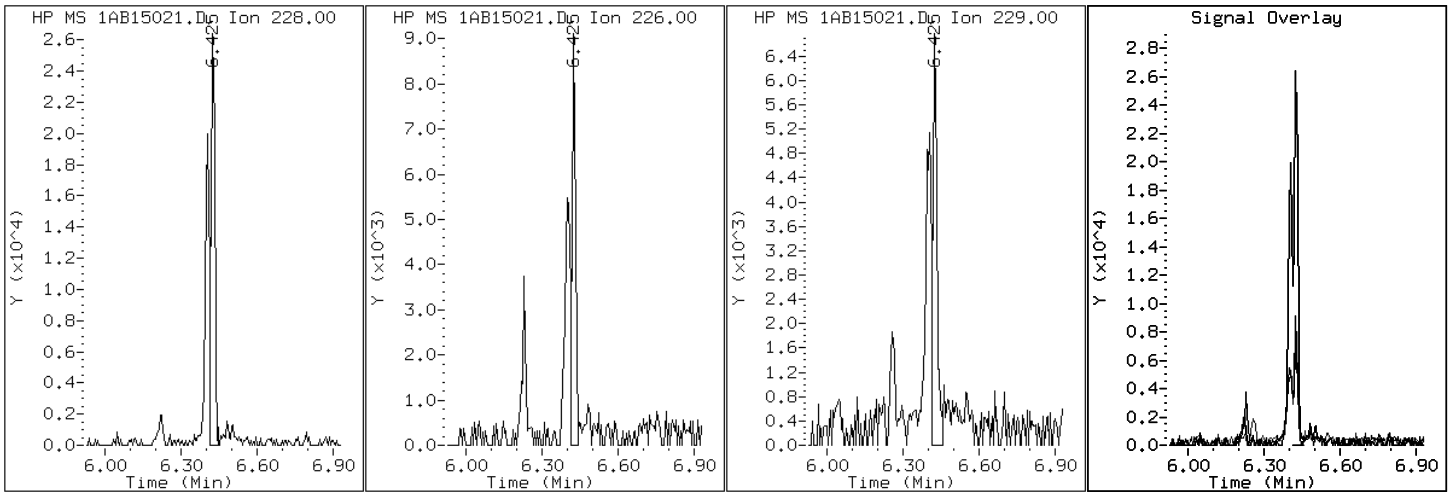
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

19 Chrysene



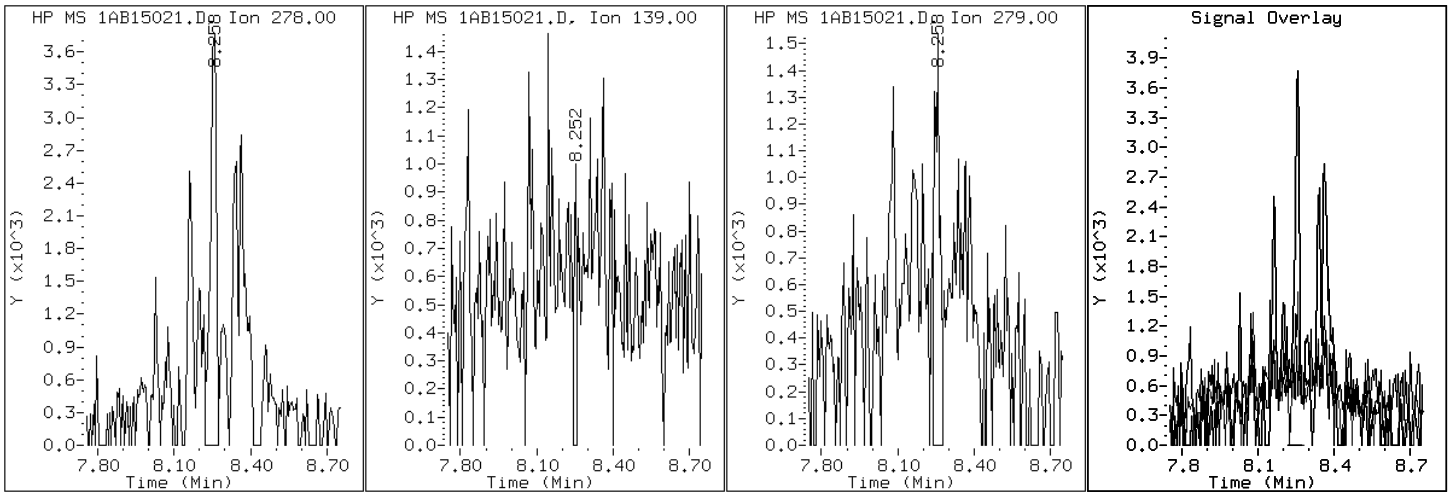
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

25 Dibenzo(a,h)anthracene



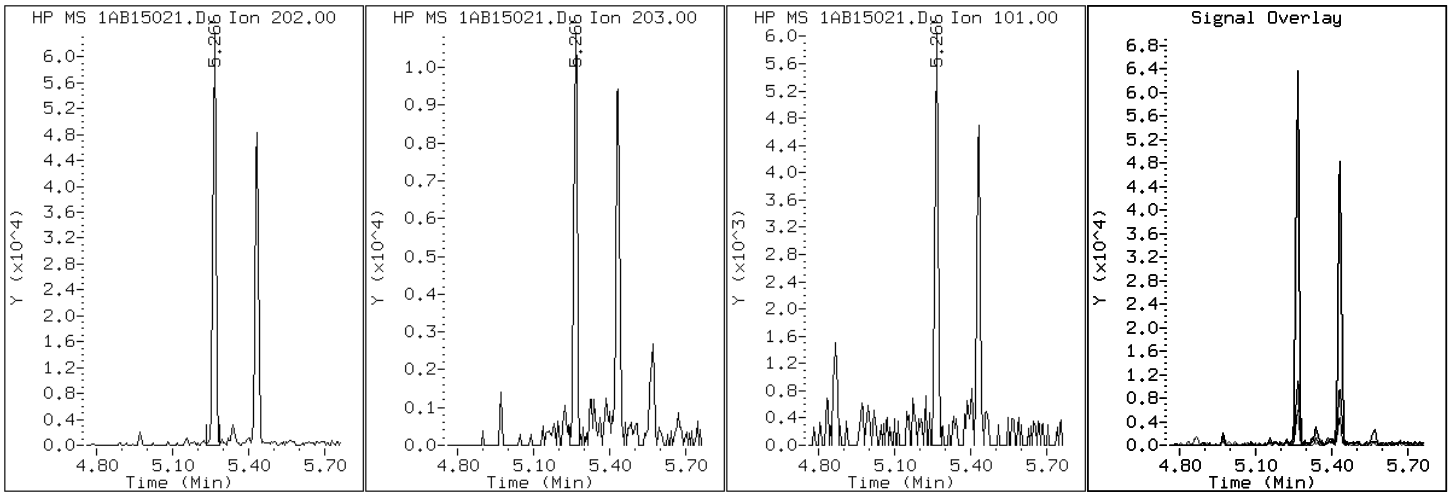
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

15 Fluoranthene



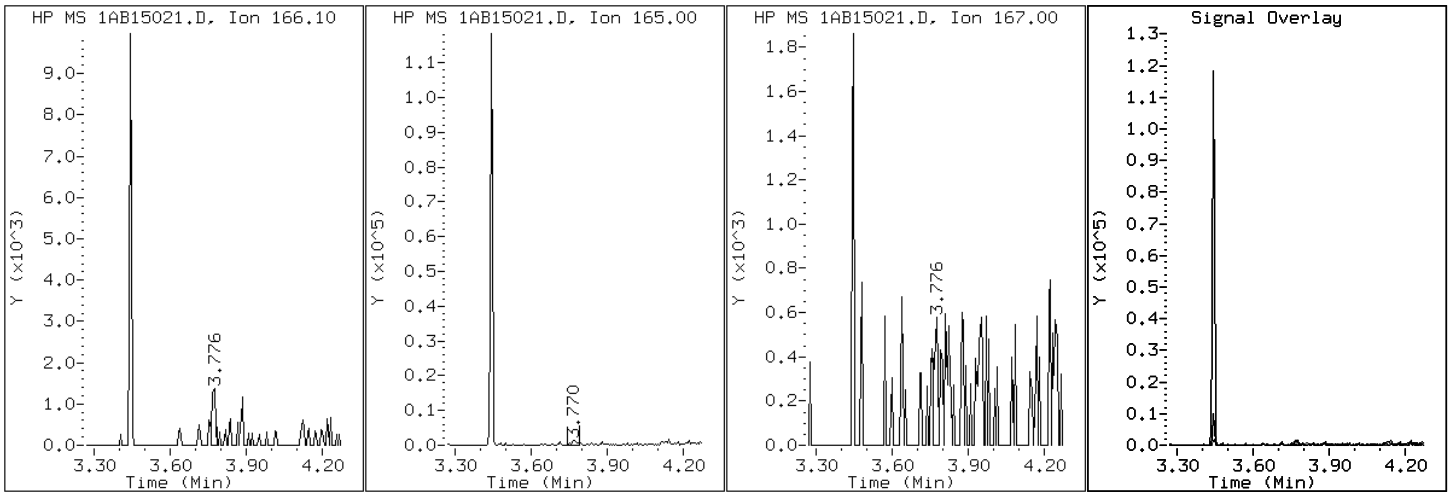
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

9 Fluorene



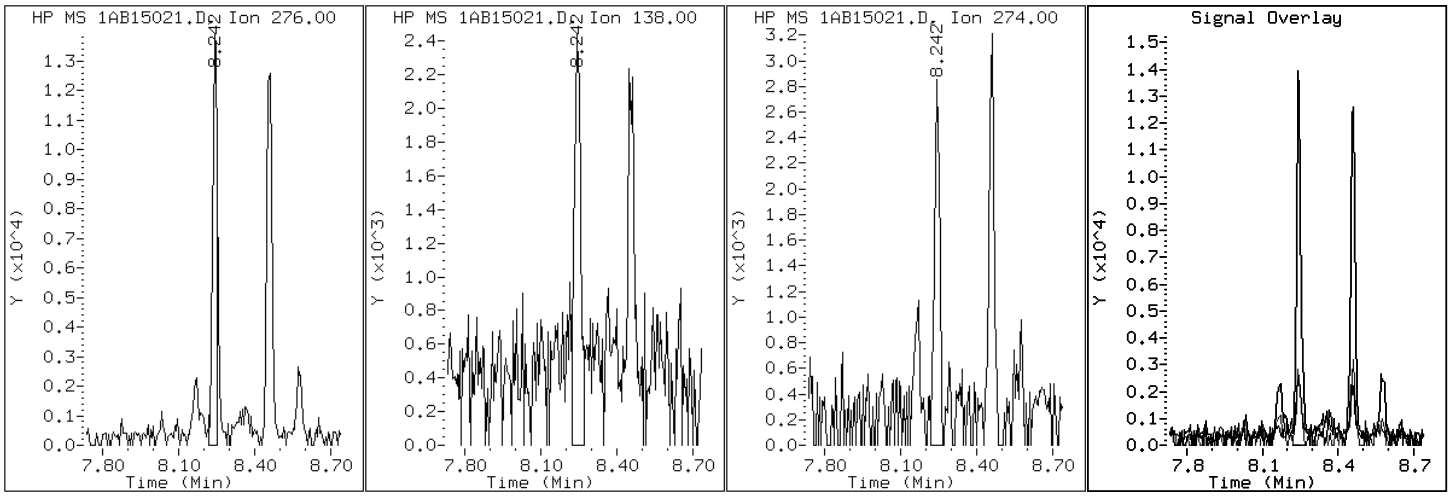
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

24 Indeno(1,2,3-cd)pyrene



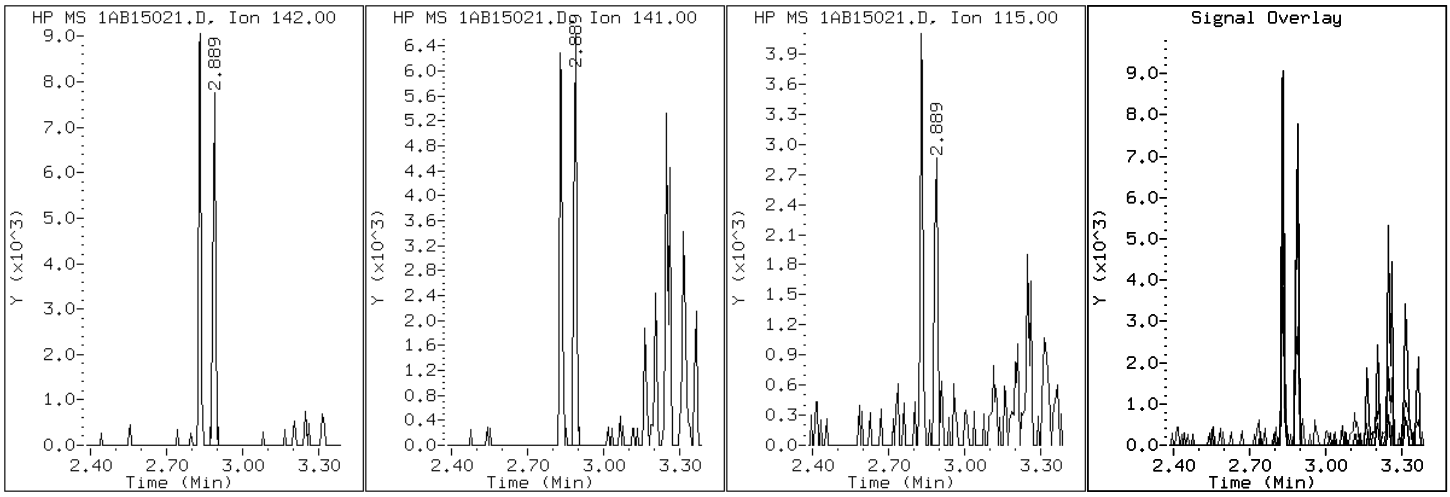
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

4 1-Methylnaphthalene



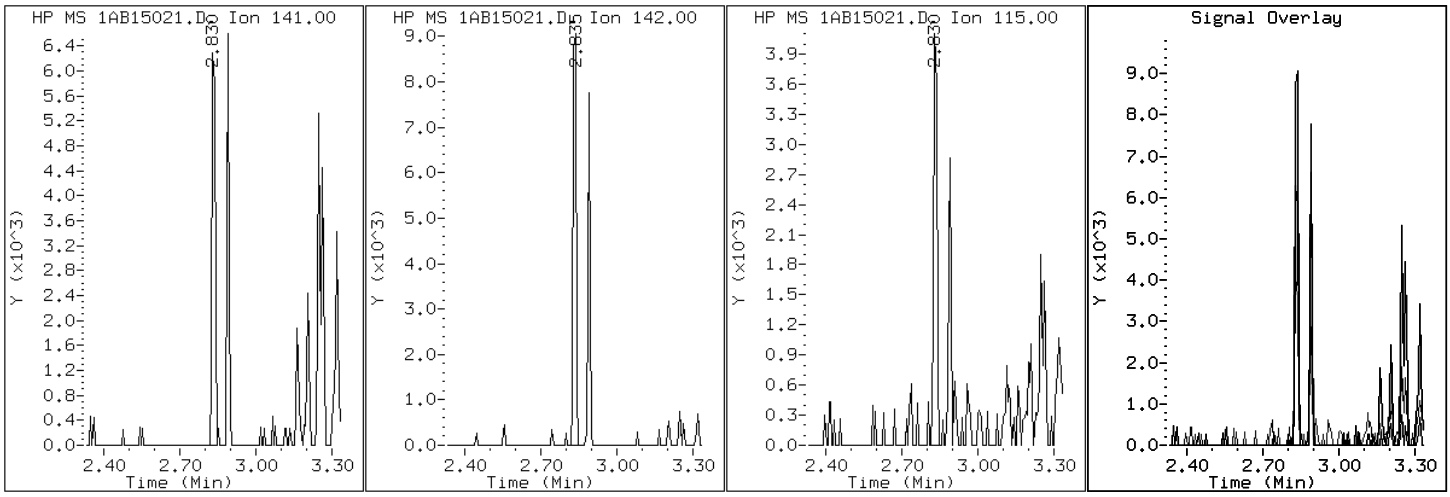
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

3 2-Methylnaphthalene



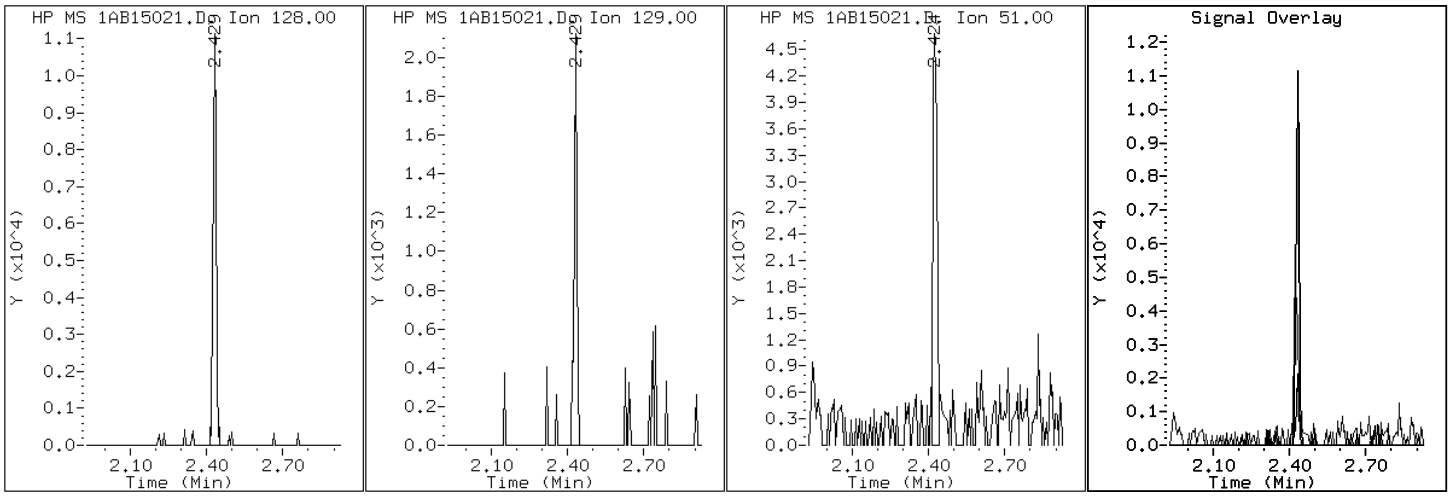
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

2 Naphthalene



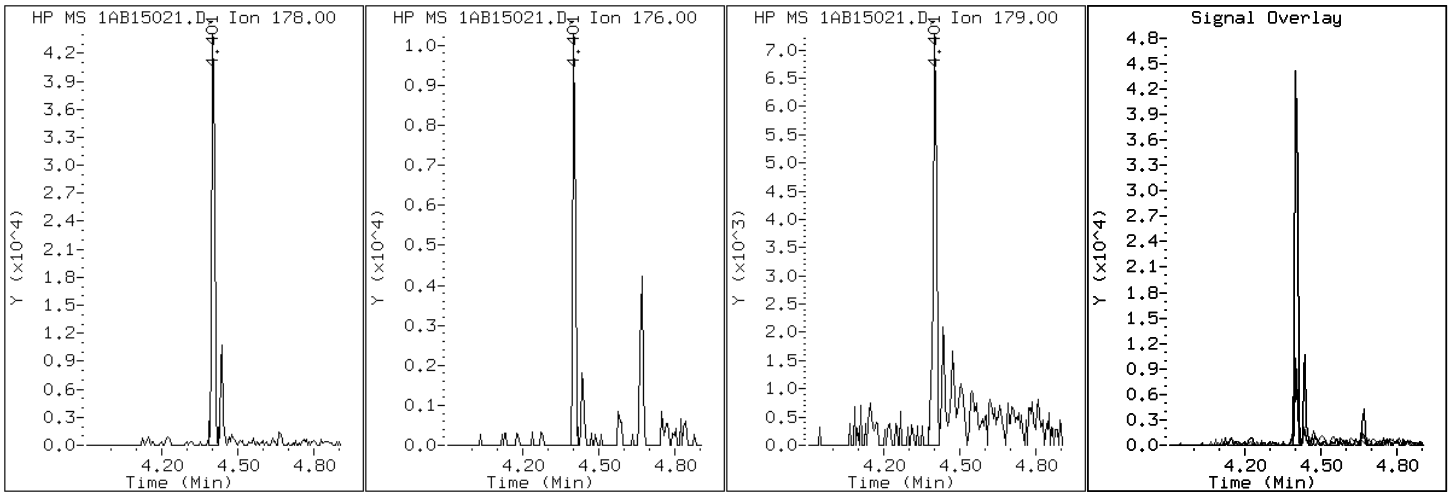
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

11 Phenanthrene



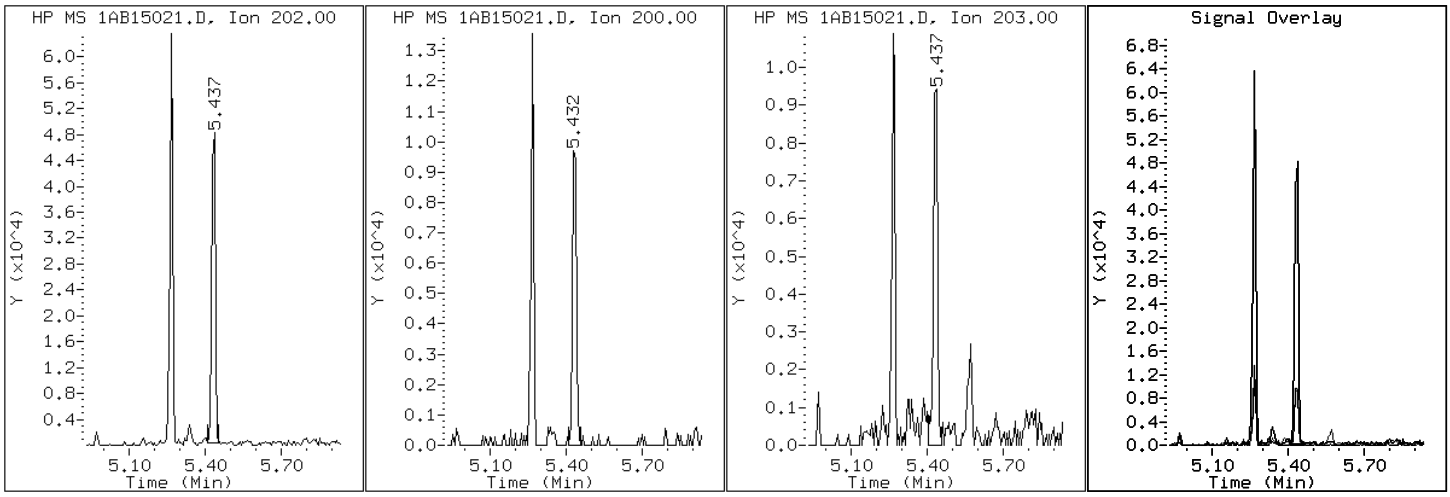
Data File: 1AB15021.D

Date: 15-FEB-2013 19:08

Client ID: CV0748KKK-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-27-a Operator: SCC

16 Pyrene



Manual Integration Report

Data File: 1AB15021.D
Inj. Date and Time: 15-FEB-2013 19:08
Instrument ID: BSMA5973.i
Client ID: CV0748KKK-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 02/18/2013

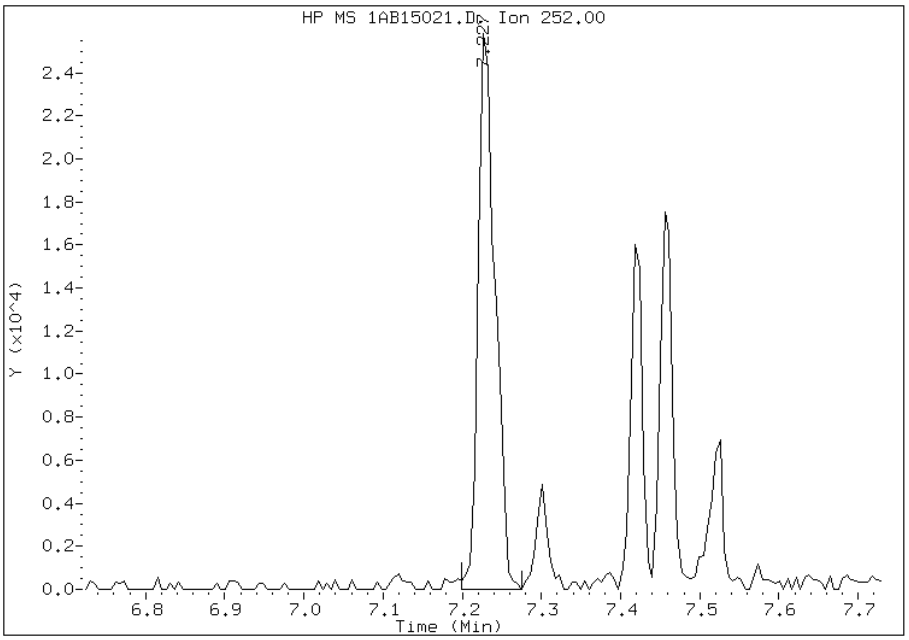
Processing Integration Results

RT: 7.23

Response: 38089

Amount: 2

Conc: 132



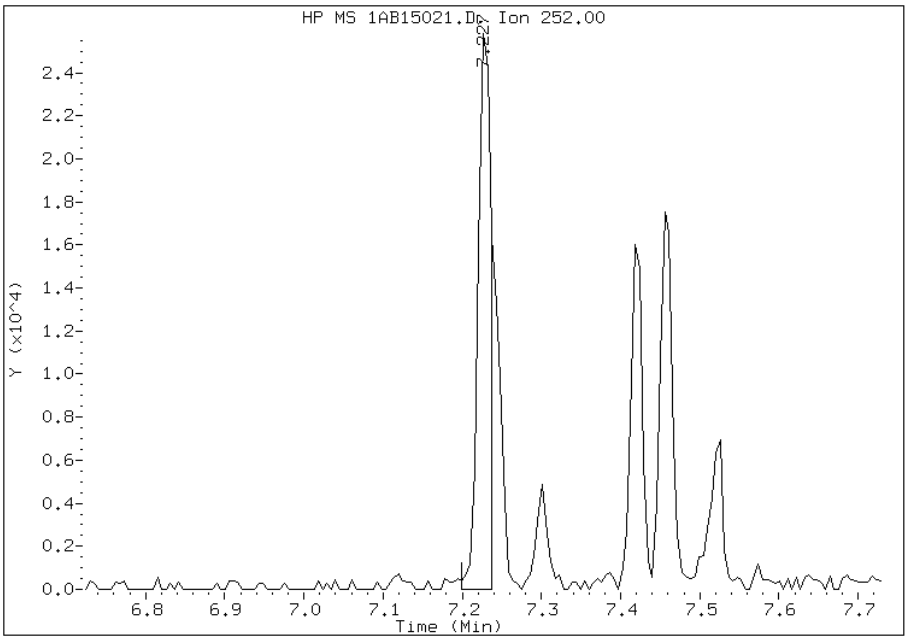
Manual Integration Results

RT: 7.23

Response: 28912

Amount: 1

Conc: 100



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:20
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AB15021.D
Inj. Date and Time: 15-FEB-2013 19:08
Instrument ID: BSMA5973.i
Client ID: CV0748KKK-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 02/18/2013

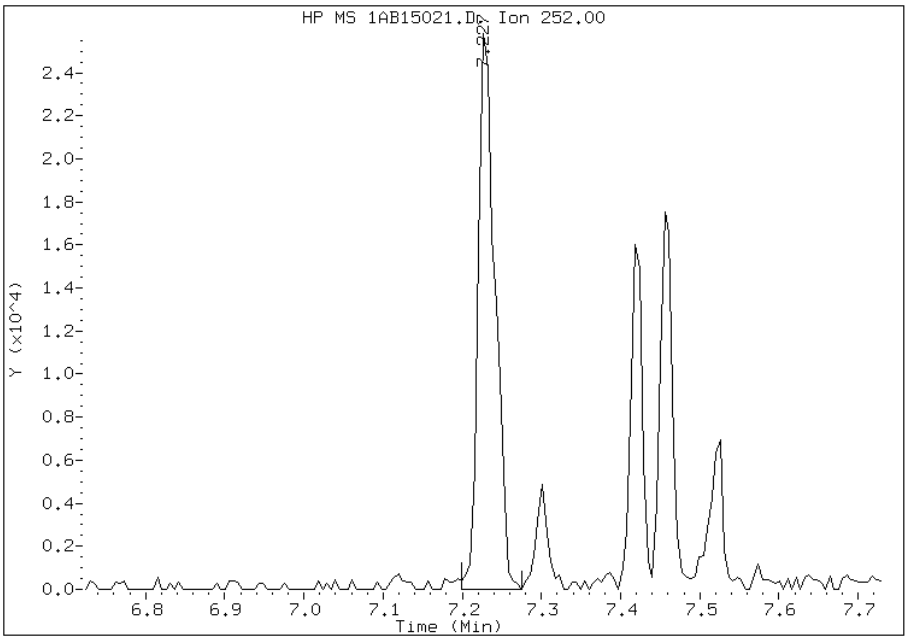
Processing Integration Results

RT: 7.23

Response: 38089

Amount: 2

Conc: 126



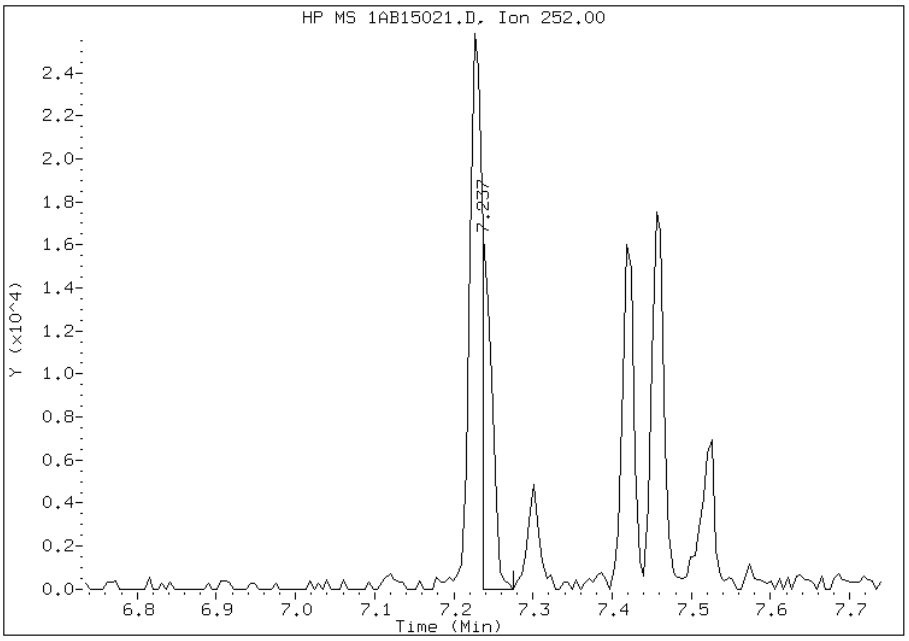
Manual Integration Results

RT: 7.24

Response: 14460

Amount: 1

Conc: 48



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:20
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AB15021.D
Inj. Date and Time: 15-FEB-2013 19:08
Instrument ID: BSMA5973.i
Client ID: CV0748KKK-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/18/2013

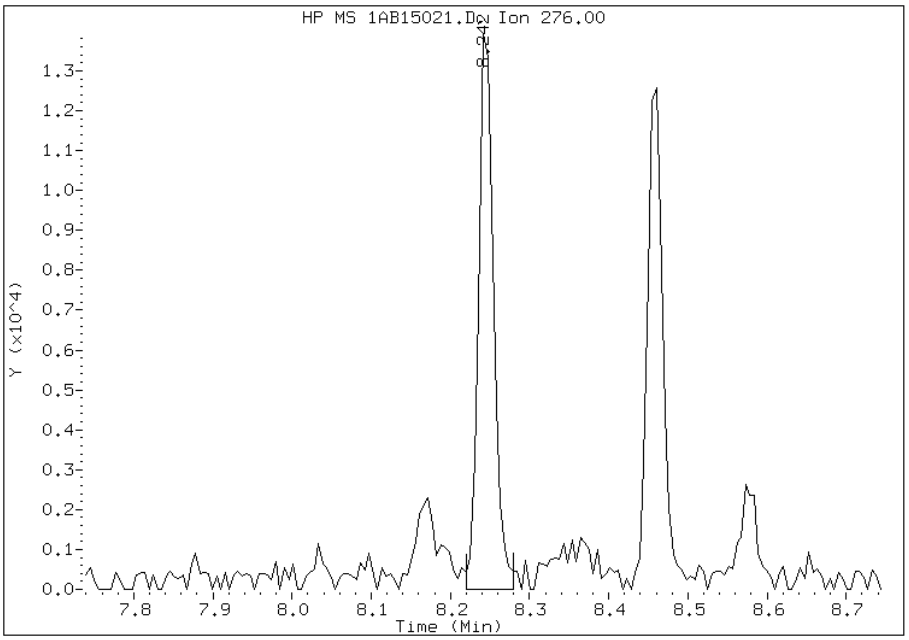
Processing Integration Results

RT: 8.24

Response: 18293

Amount: 1

Conc: 85



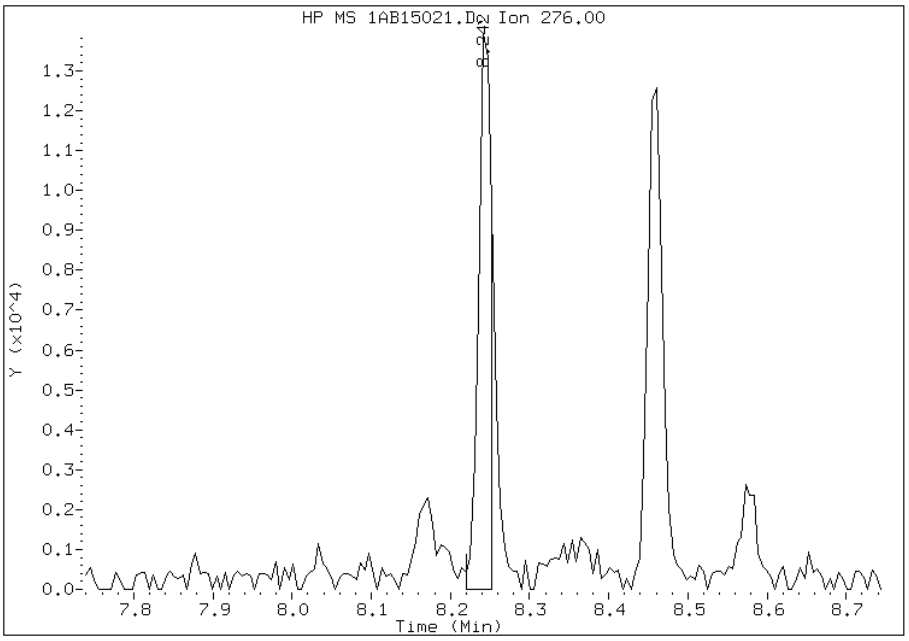
Manual Integration Results

RT: 8.24

Response: 15470

Amount: 1

Conc: 72



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:21
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748III-CS | Lab Sample ID: 680-87279-28

Matrix: Solid | Lab File ID: 1AB15022.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 15:46

Extract. Method: 3546 | Date Extracted: 02/14/2013 08:35

Sample wt/vol: 15.16(g) | Date Analyzed: 02/15/2013 19:23

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 9.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134532 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	110	U	110	22
208-96-8	Acenaphthylene	14	J	44	5.5
120-12-7	Anthracene	20		9.2	4.6
56-55-3	Benzo[a]anthracene	68		8.8	4.3
50-32-8	Benzo[a]pyrene	50		11	5.7
205-99-2	Benzo[b]fluoranthene	84		13	6.7
191-24-2	Benzo[g,h,i]perylene	68		22	4.8
207-08-9	Benzo[k]fluoranthene	23		8.8	3.9
218-01-9	Chrysene	83		9.9	4.9
53-70-3	Dibenz(a,h)anthracene	21	J	22	4.5
206-44-0	Fluoranthene	90		22	4.4
86-73-7	Fluorene	5.8	J	22	4.5
193-39-5	Indeno[1,2,3-cd]pyrene	47		22	7.8
90-12-0	1-Methylnaphthalene	36	J	44	4.8
91-57-6	2-Methylnaphthalene	41	J	44	7.8
91-20-3	Naphthalene	39	J	44	4.8
85-01-8	Phenanthrene	79		8.8	4.3
129-00-0	Pyrene	73		22	4.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	54		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15022.D
Lab Smp Id: 680-87279-A-28-A Client Smp ID: CV0748III-CS
Inj Date : 15-FEB-2013 19:23
Operator : SCC Inst ID: BSMA5973.i
Smp Info : 680-87279-a-28-a
Misc Info : 680-87279-A-28-A
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 15:32 cantins Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.160	Weight Extracted
M	9.800	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	2.423	2.415	(1.000)	824973	40.0000	
* 6 Acenaphthene-d10	164	3.443	3.441	(1.000)	551000	40.0000	
* 10 Phenanthrene-d10	188	4.389	4.386	(1.000)	784948	40.0000	
$ 14 o-Terphenyl	230	4.666	4.664	(1.063)	61672	5.40712	395.4191
* 18 Chrysene-d12	240	6.413	6.411	(1.000)	574150	40.0000	
* 23 Perylene-d12	264	7.514	7.501	(1.000)	770340	40.0000	
2 Naphthalene	128	2.428	2.426	(1.002)	10566	0.52767	38.5879(Q)
3 2-Methylnaphthalene	141	2.834	2.832	(1.170)	5966	0.55615	40.6710
4 1-Methylnaphthalene	142	2.887	2.885	(1.192)	6009	0.49484	36.1876
5 Acenaphthylene	152	3.358	3.355	(0.975)	4598	0.18899	13.8206
9 Fluorene	166	3.769	3.772	(1.095)	1315	0.07942	5.8078(Q)
11 Phenanthrene	178	4.399	4.402	(1.002)	23071	1.07645	78.7203
12 Anthracene	178	4.437	4.434	(1.011)	5998	0.27449	20.0731
13 Carbazole	167	4.592	4.589	(1.046)	4173	0.22279	16.2922

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
15 Fluoranthene	202	5.265	5.262	(1.200)	26102	1.22839	89.8314
16 Pyrene	202	5.436	5.433	(0.848)	20713	0.99892	73.0503
17 Benzo(a)anthracene	228	6.408	6.395	(0.999)	15968	0.93144	68.1157
19 Chrysene	228	6.429	6.427	(1.002)	19048	1.13992	83.3614
20 Benzo(b)fluoranthene	252	7.225	7.217	(0.962)	24696	1.14863	83.9987(M)
21 Benzo(k)fluoranthene	252	7.241	7.239	(0.964)	7164	0.31869	23.3057(QMH)
22 Benzo(a)pyrene	252	7.455	7.452	(0.992)	13830	0.67737	49.5360
24 Indeno(1,2,3-cd)pyrene	276	8.246	8.238	(1.097)	10288	0.63814	46.6666(M)
25 Dibenzo(a,h)anthracene	278	8.262	8.254	(1.100)	4655	0.28882	21.1213
26 Benzo(g,h,i)perylene	276	8.465	8.446	(1.127)	15452	0.92514	67.6552(M)

QC Flag Legend

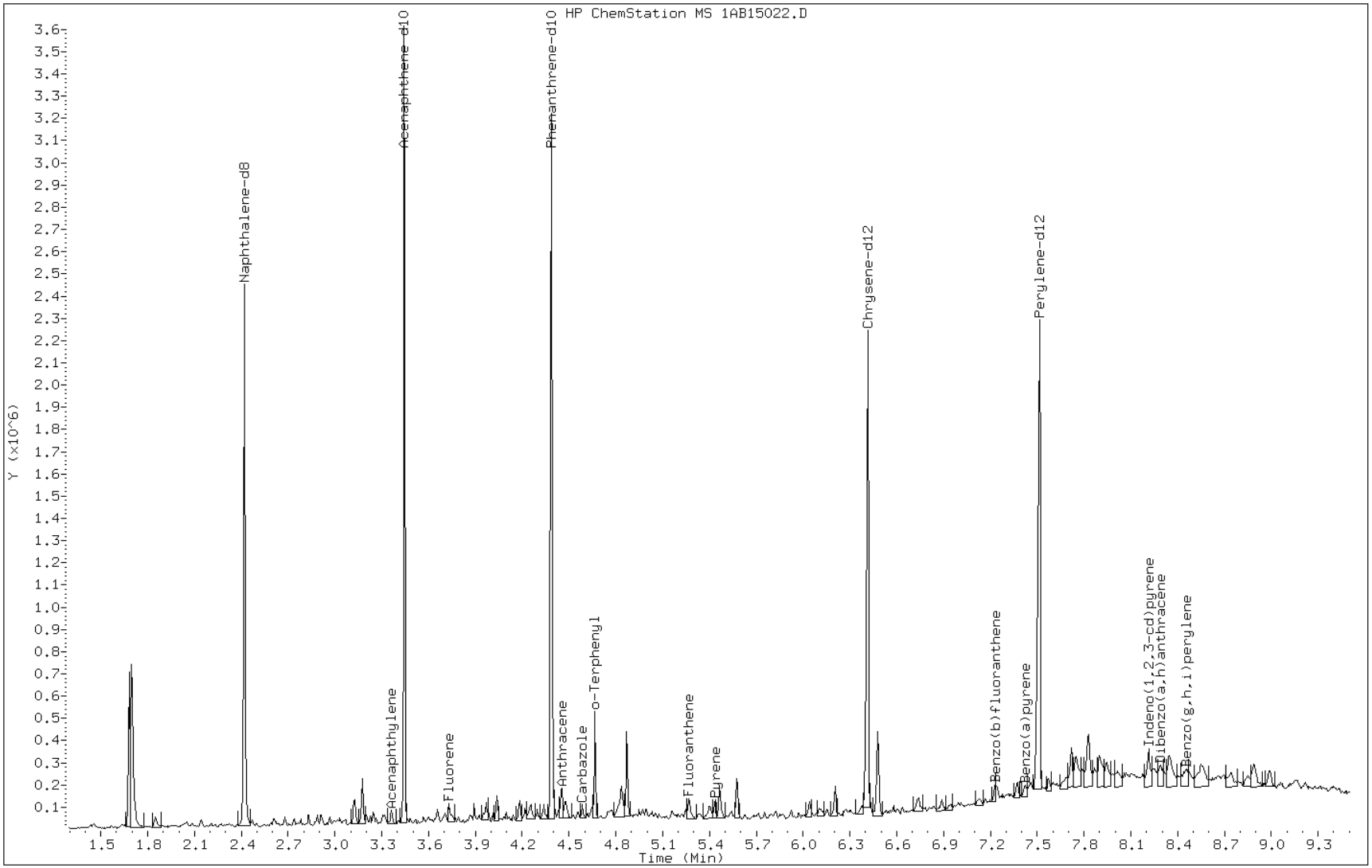
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC



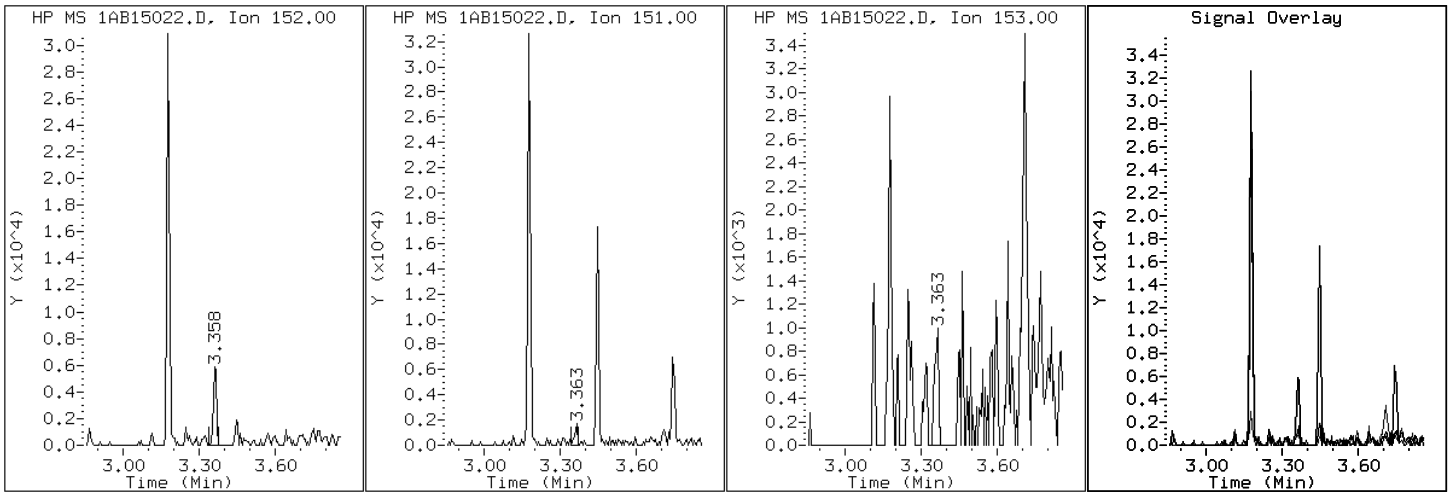
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

5 Acenaphthylene



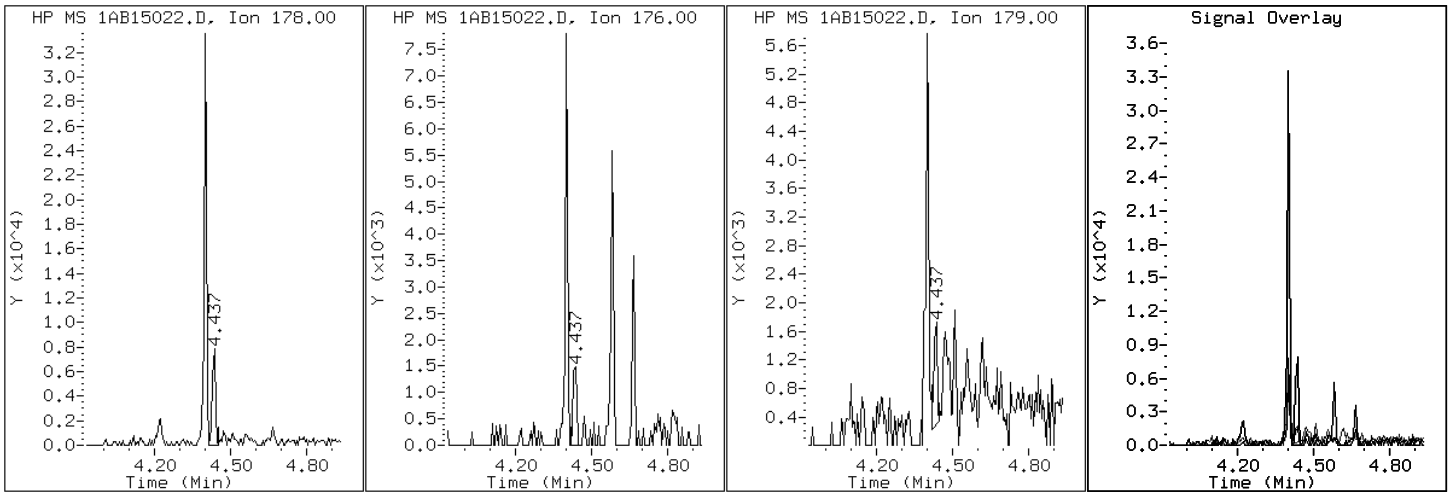
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

12 Anthracene



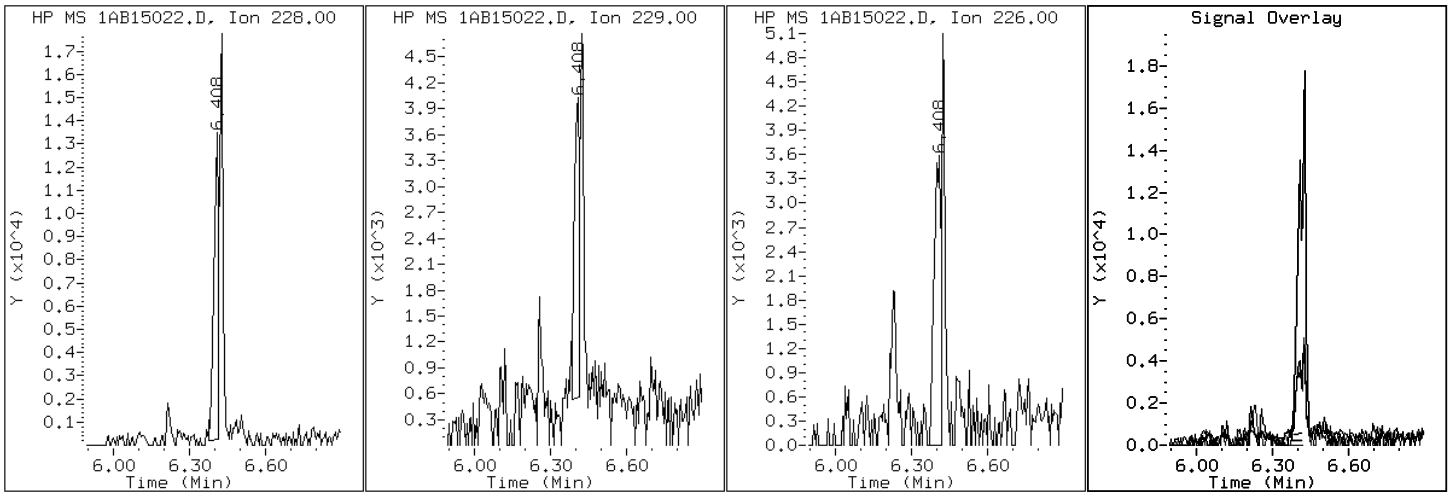
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

17 Benzo(a)anthracene



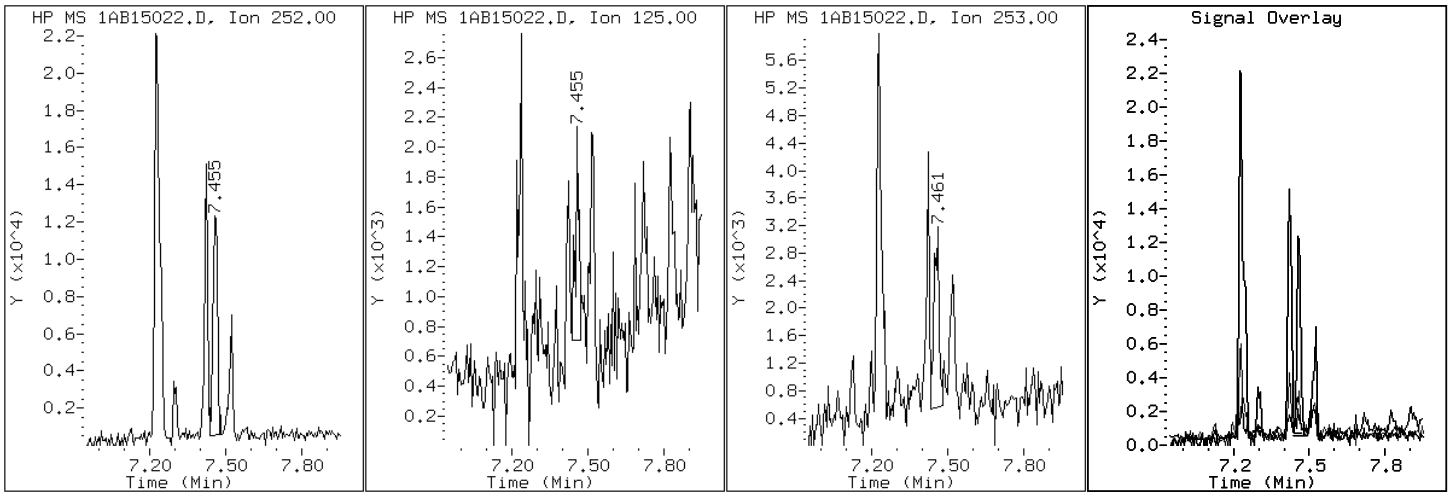
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

22 Benzo(a)pyrene



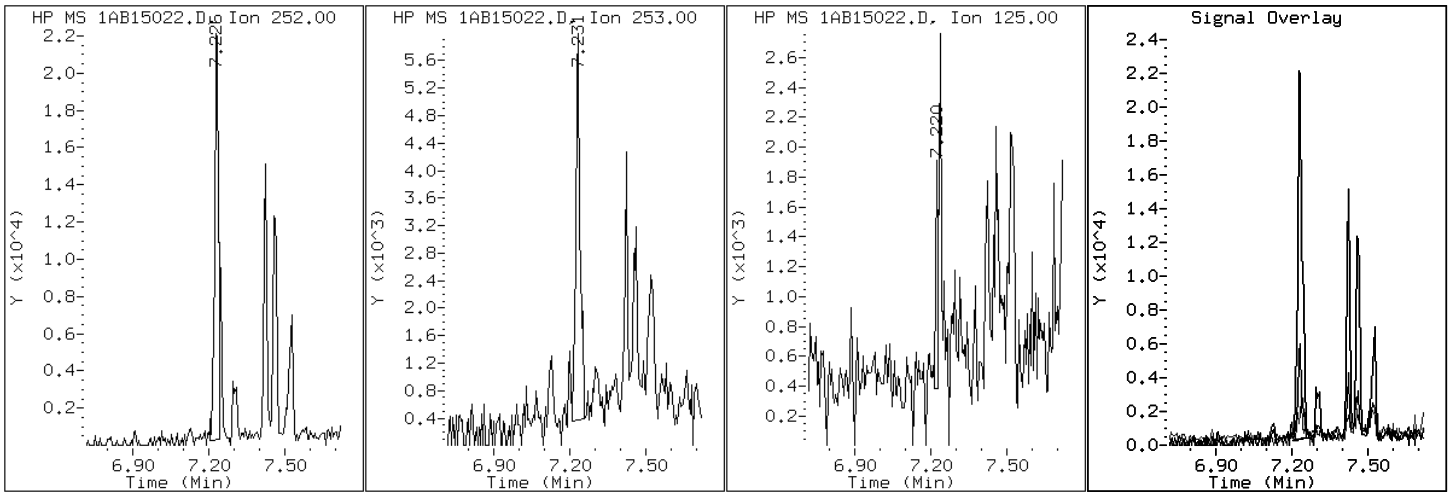
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

20 Benzo(b)fluoranthene



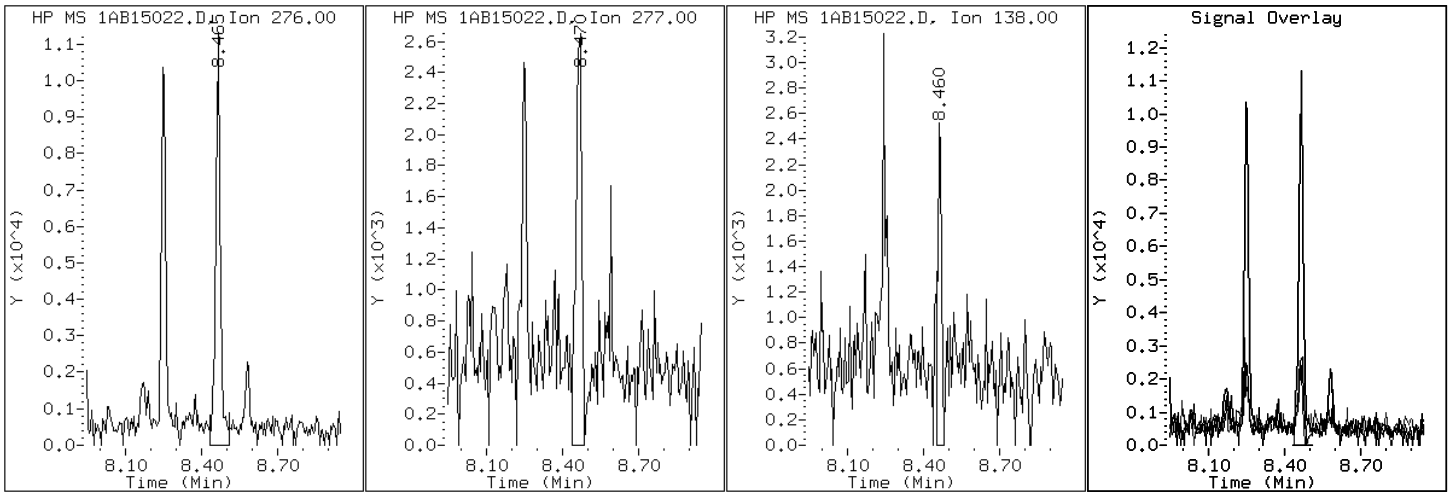
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

26 Benzo(g,h,i)perylene



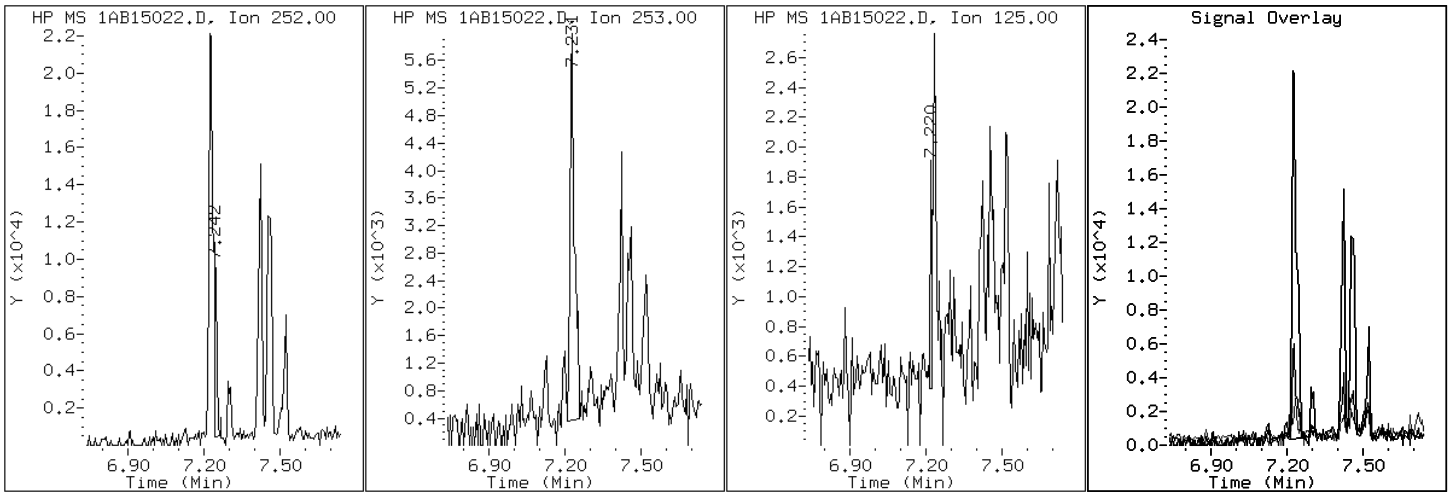
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

21 Benzo(k)fluoranthene



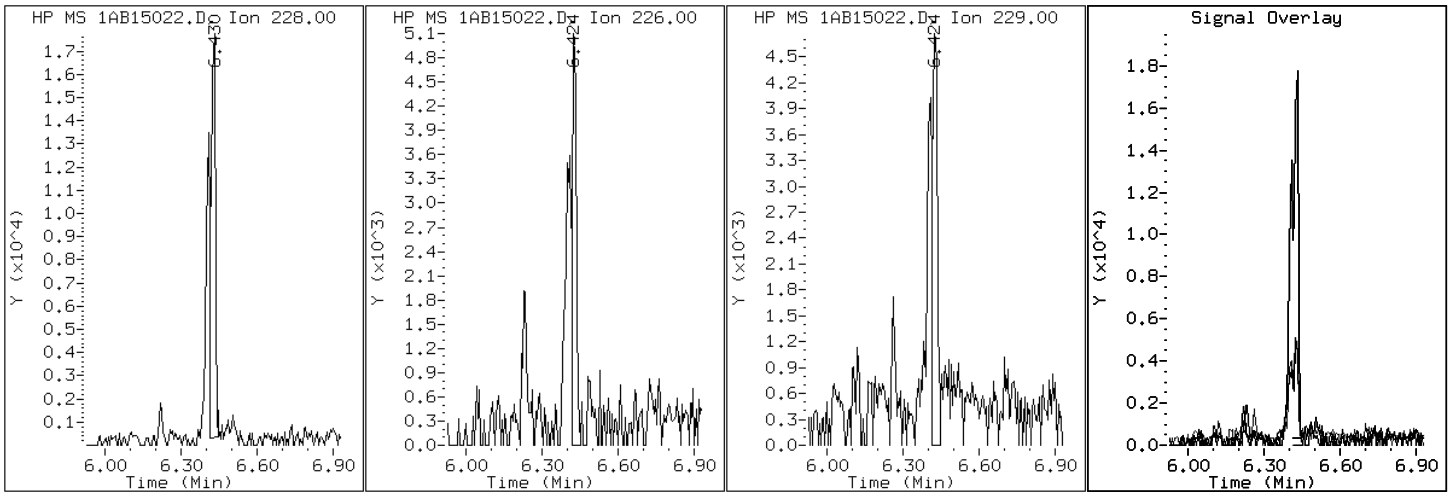
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

19 Chrysene



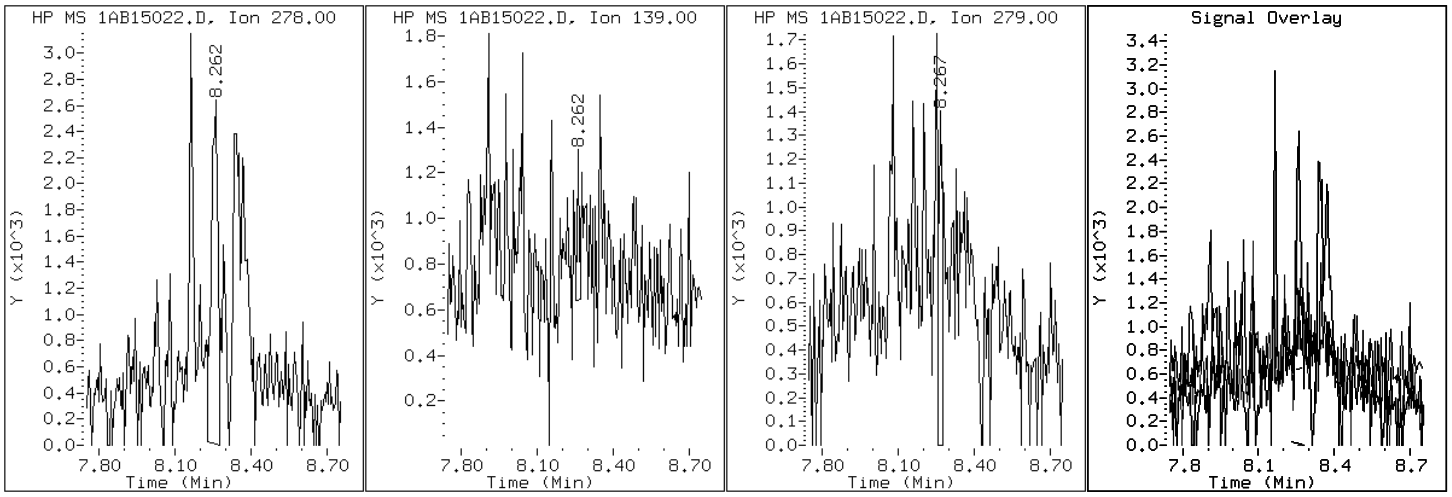
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

25 Dibenzo(a,h)anthracene



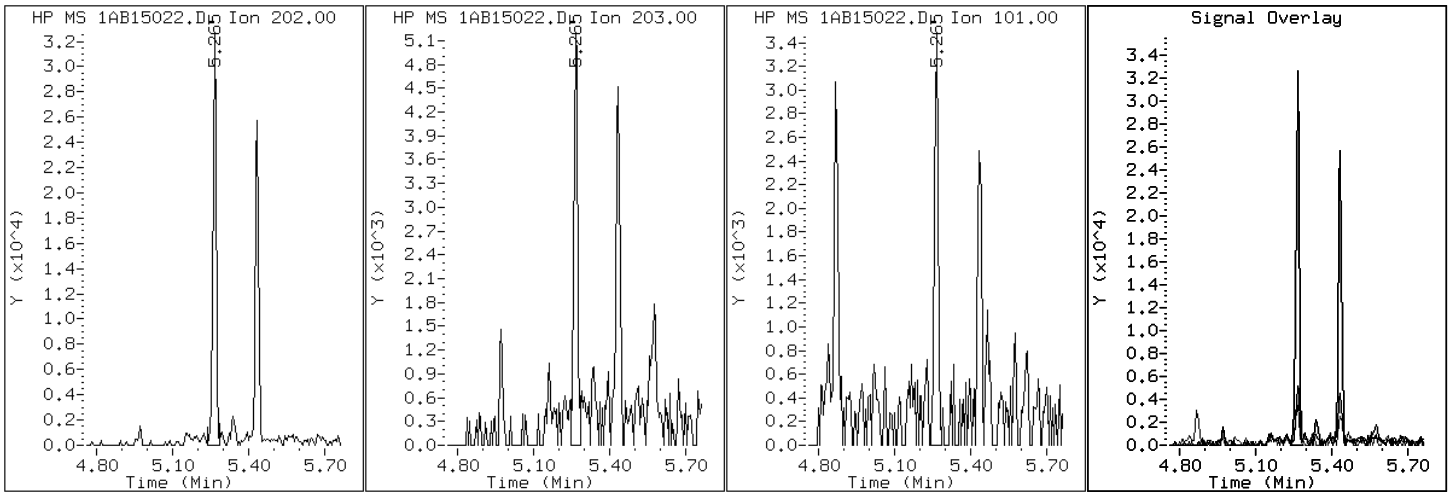
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

15 Fluoranthene



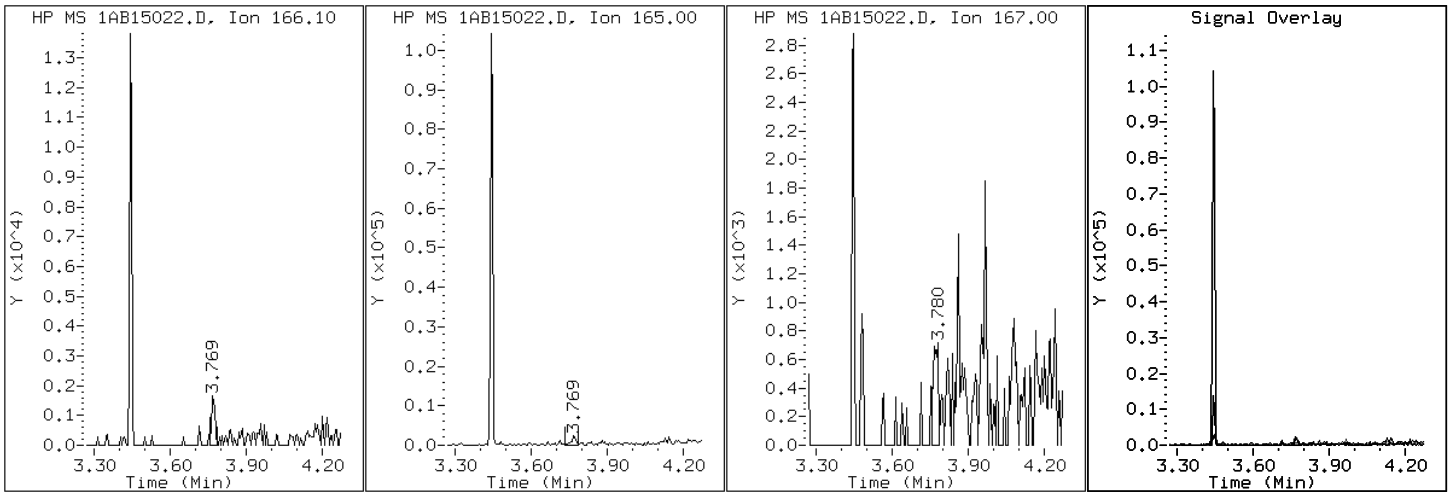
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

9 Fluorene



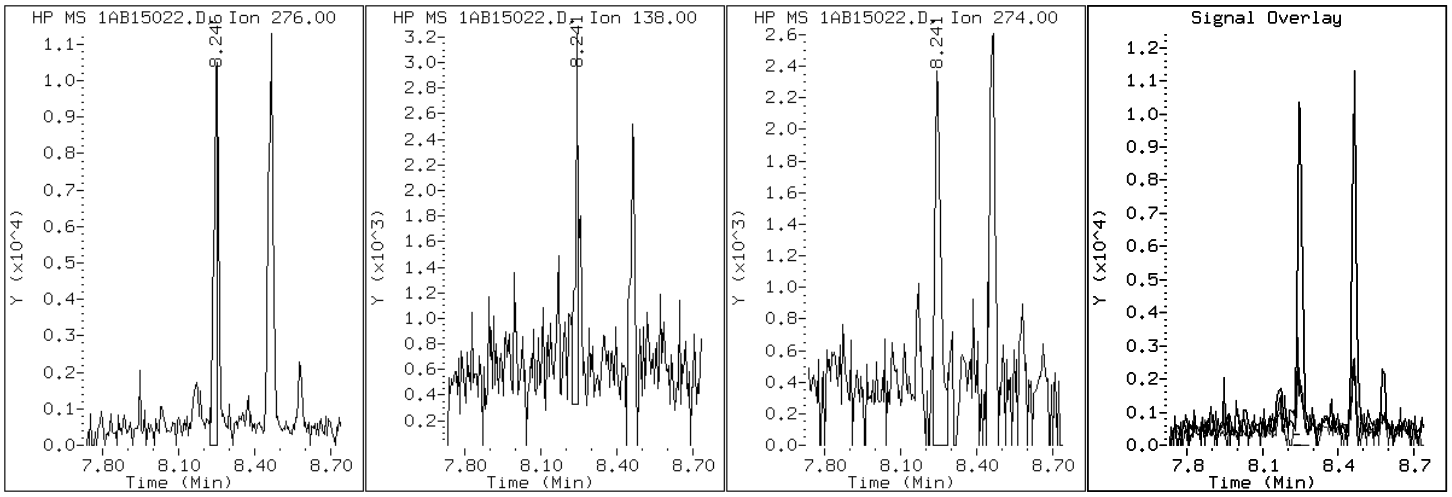
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

24 Indeno(1,2,3-cd)pyrene



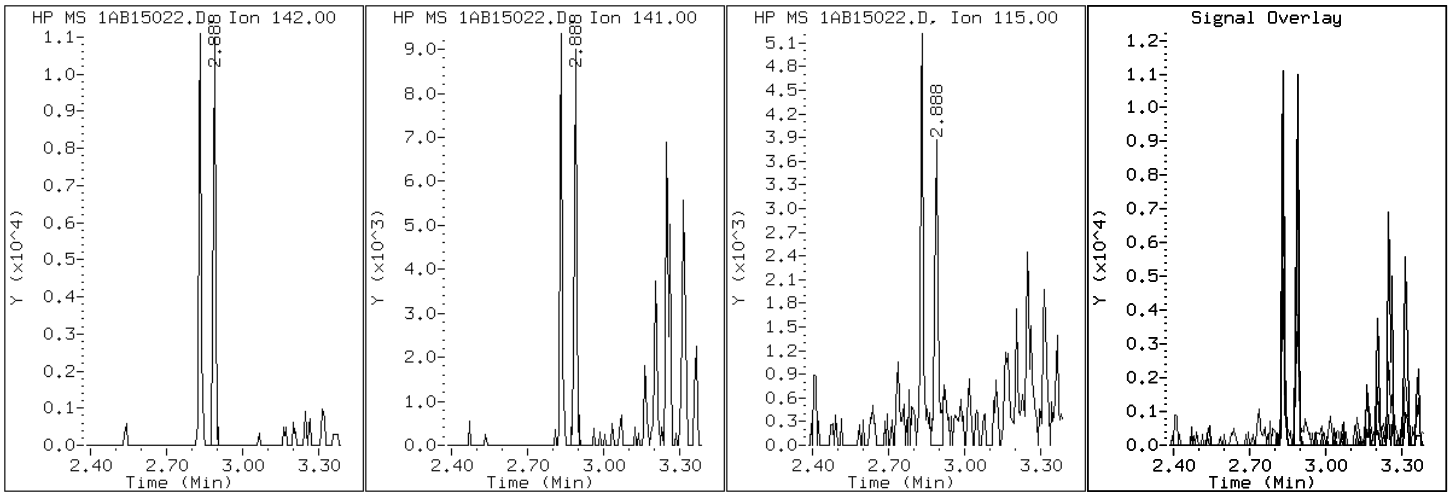
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

4 1-Methylnaphthalene



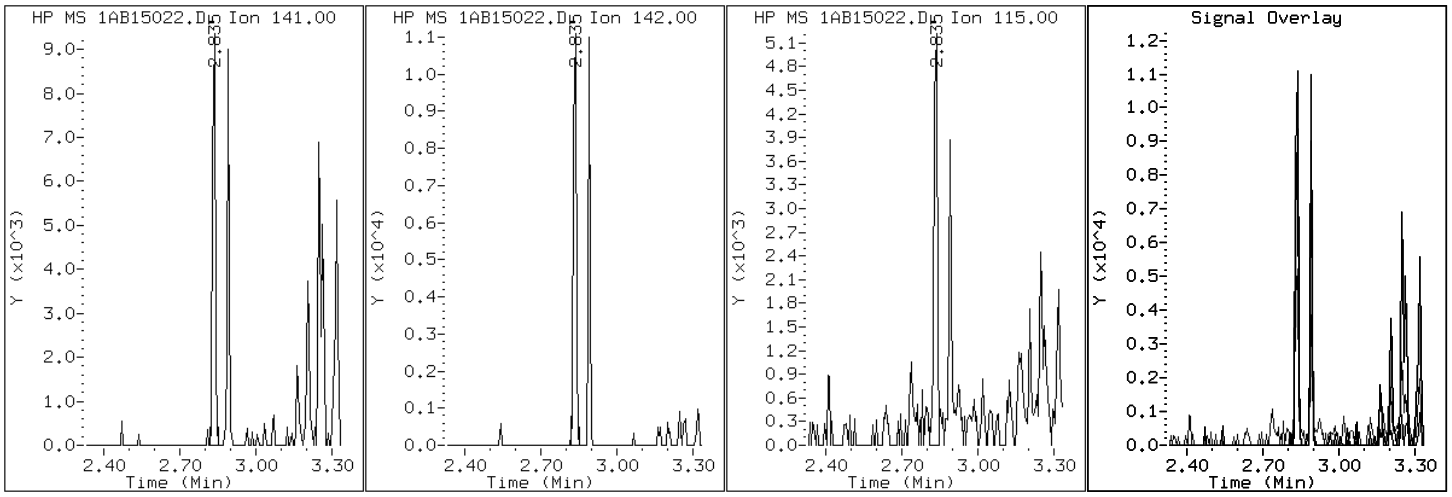
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

3 2-Methylnaphthalene



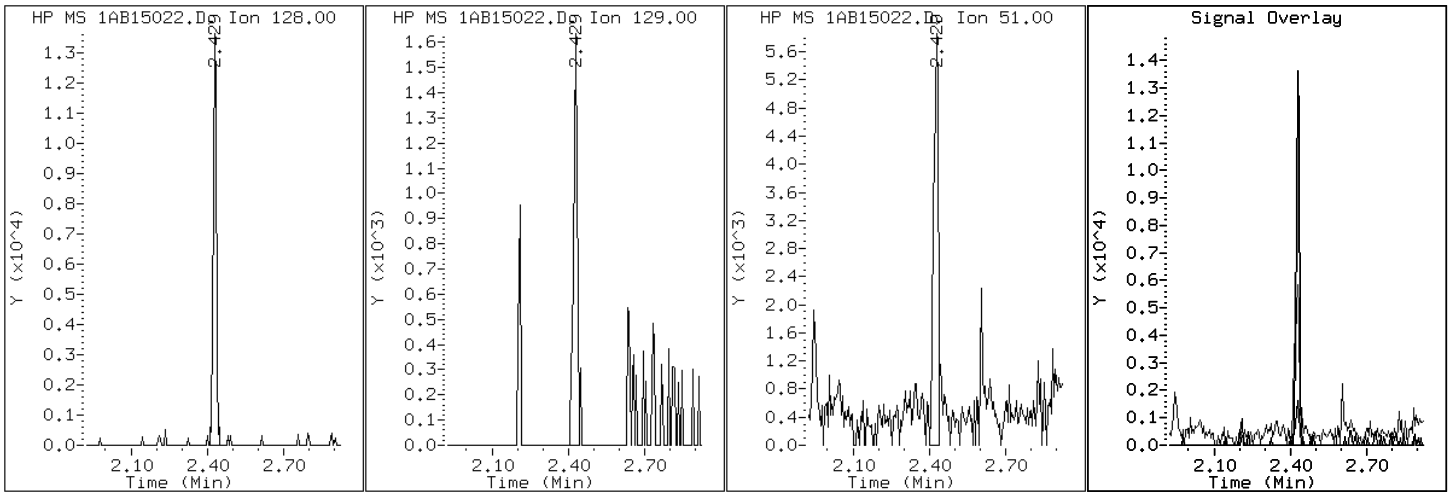
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

2 Naphthalene



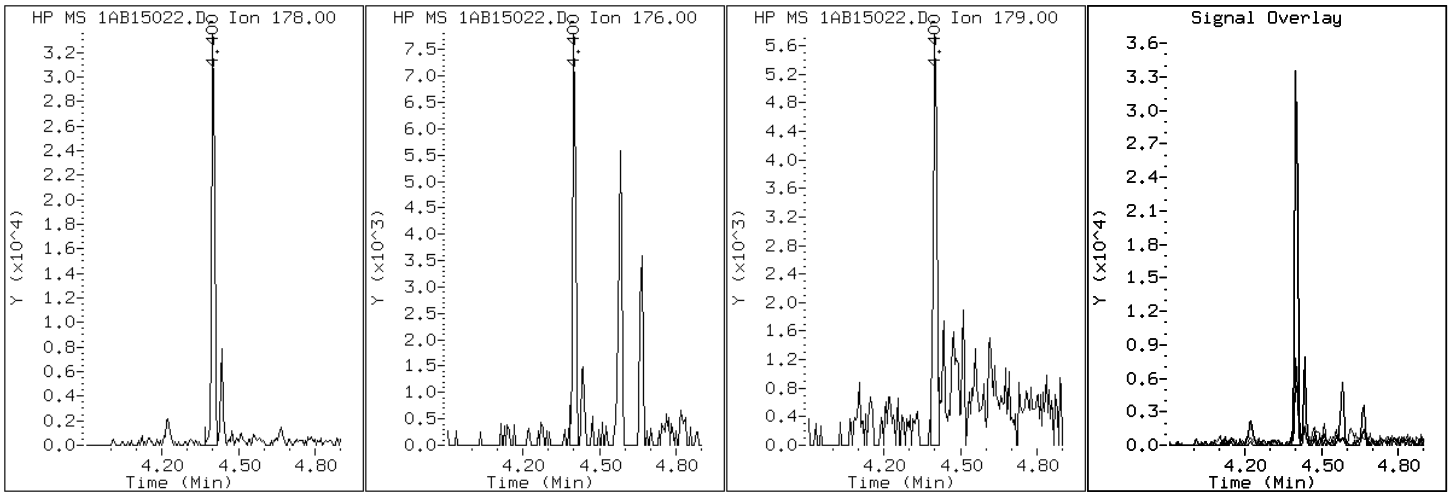
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

11 Phenanthrene



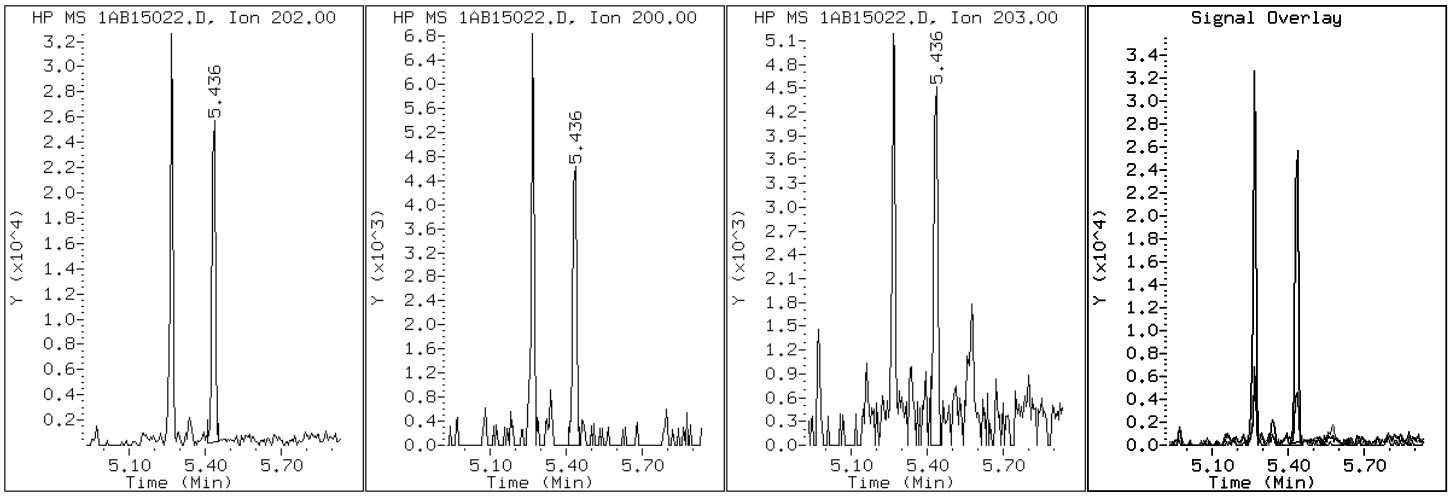
Data File: 1AB15022.D

Date: 15-FEB-2013 19:23

Client ID: CV0748III-CS Instrument: BSMA5973.i

Sample Info: 680-87279-a-28-a Operator: SCC

16 Pyrene



Manual Integration Report

Data File: 1AB15022.D
Inj. Date and Time: 15-FEB-2013 19:23
Instrument ID: BSMA5973.i
Client ID: CV0748III-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 02/18/2013

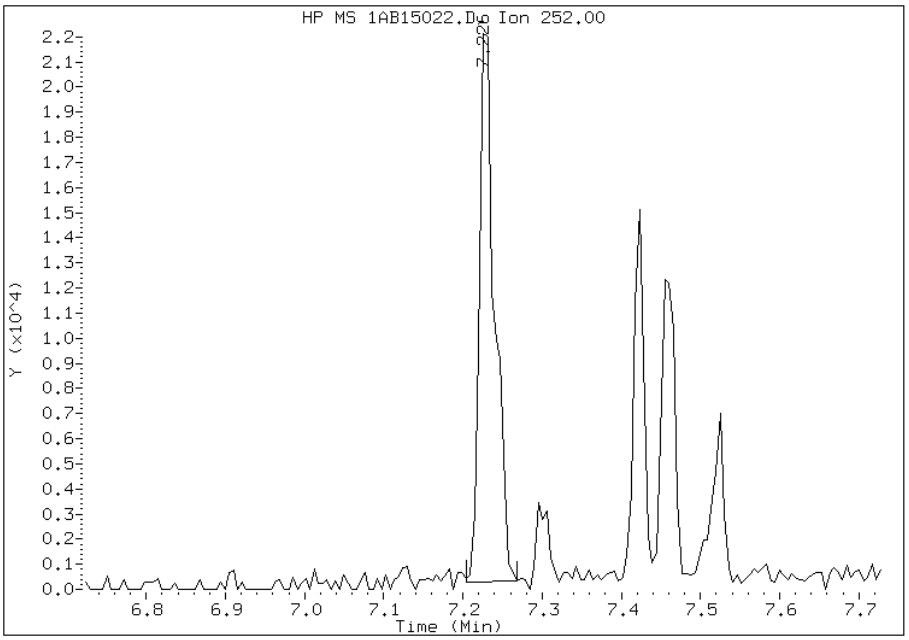
Processing Integration Results

RT: 7.23

Response: 29058

Amount: 1

Conc: 99



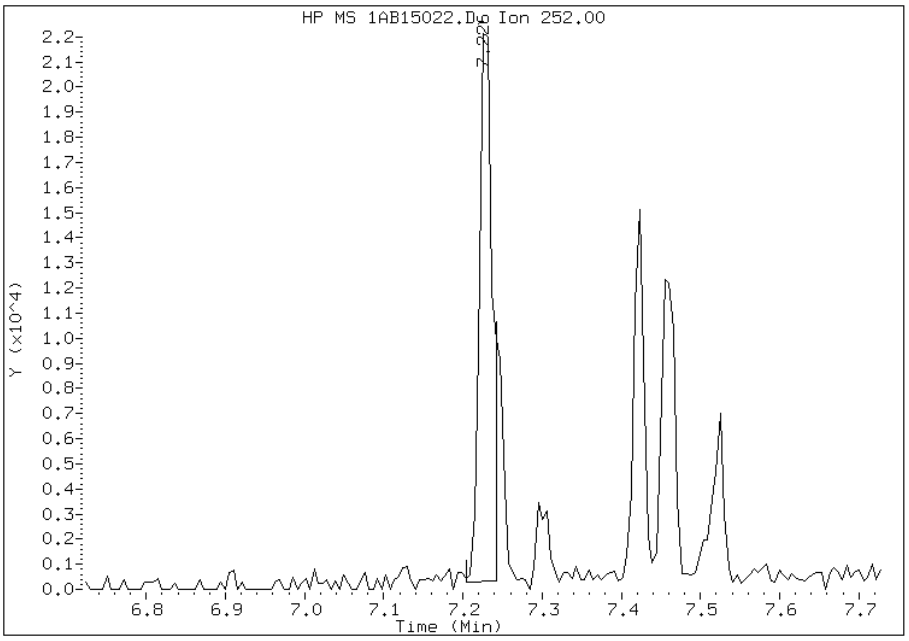
Manual Integration Results

RT: 7.23

Response: 24696

Amount: 1

Conc: 84



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:22
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AB15022.D
Inj. Date and Time: 15-FEB-2013 19:23
Instrument ID: BSMA5973.i
Client ID: CV0748III-CS
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 02/18/2013

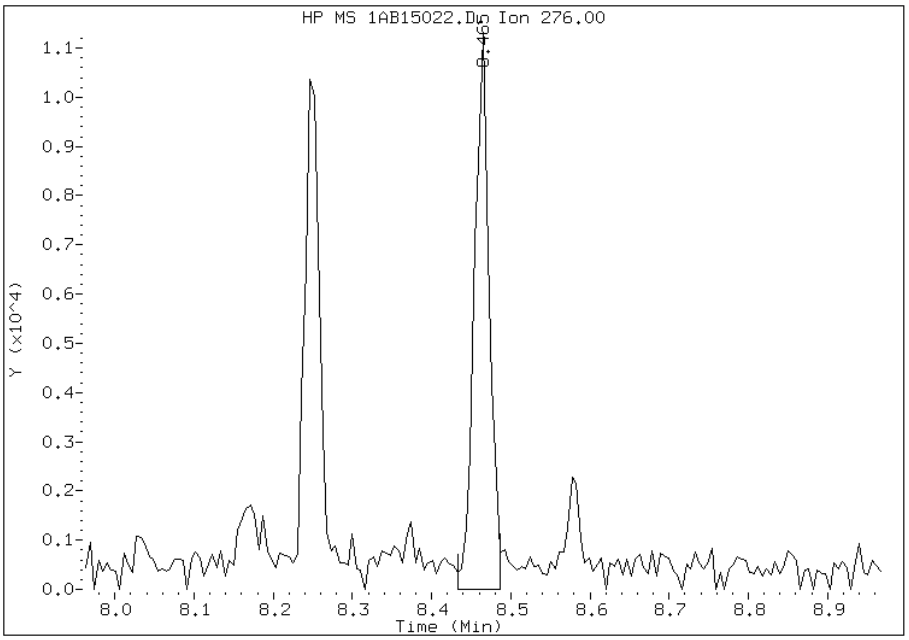
Processing Integration Results

RT: 8.47

Response: 14695

Amount: 1

Conc: 64



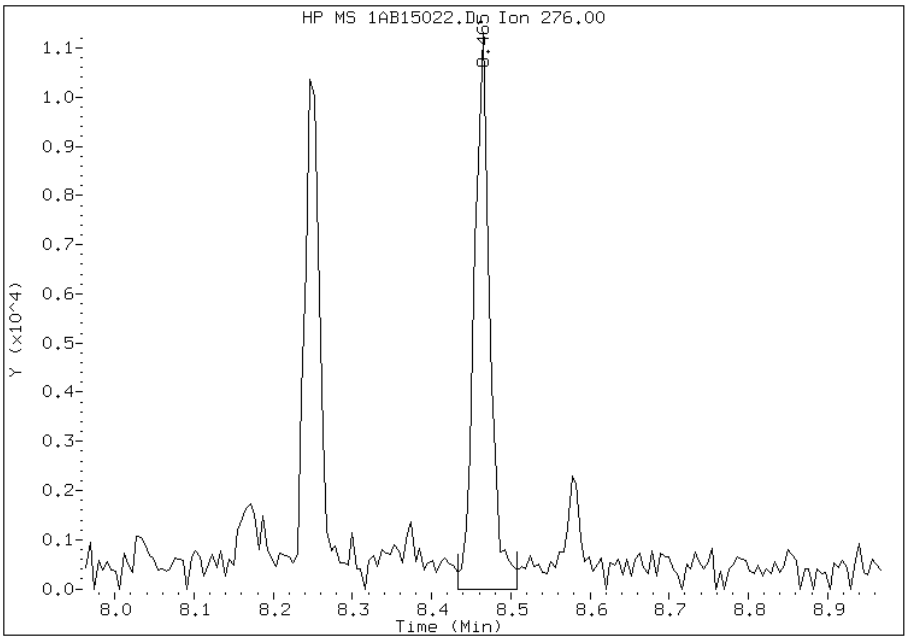
Manual Integration Results

RT: 8.47

Response: 15452

Amount: 1

Conc: 68



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:22
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AB15022.D
Inj. Date and Time: 15-FEB-2013 19:23
Instrument ID: BSMA5973.i
Client ID: CV0748III-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 02/18/2013

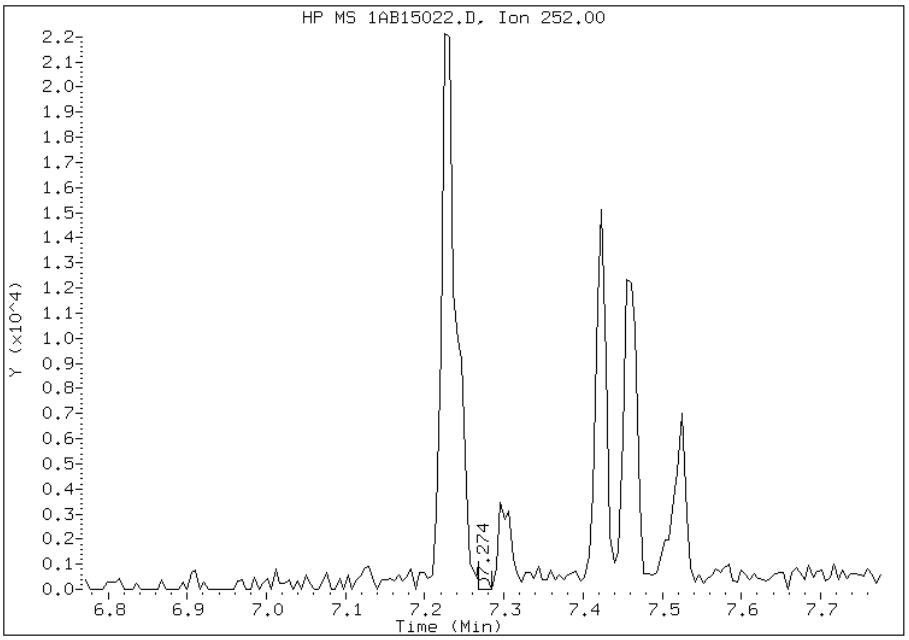
Processing Integration Results

RT: 7.27

Response: 385

Amount: 0

Conc: 1



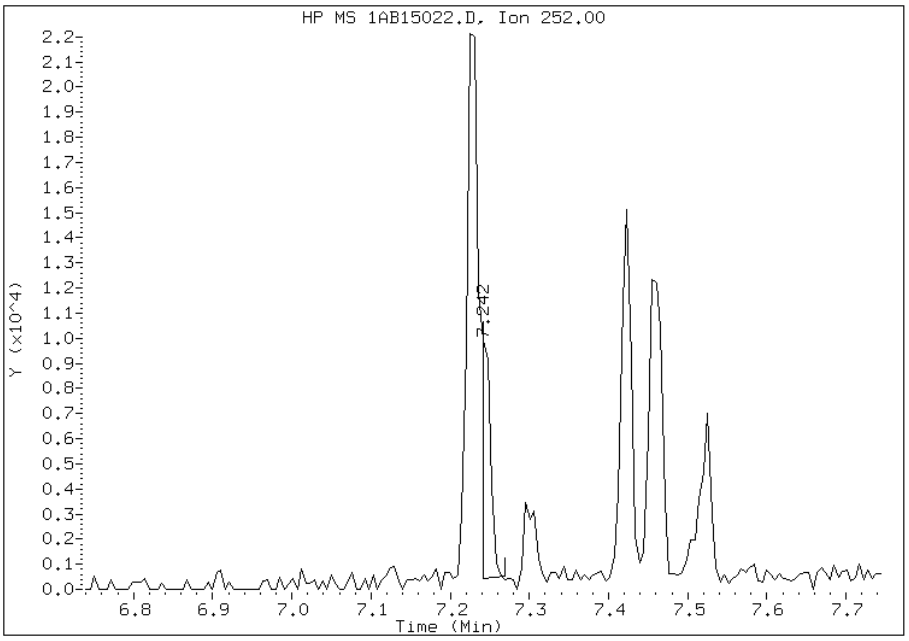
Manual Integration Results

RT: 7.24

Response: 7164

Amount: 0

Conc: 23



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:22
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AB15022.D
Inj. Date and Time: 15-FEB-2013 19:23
Instrument ID: BSMA5973.i
Client ID: CV0748III-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/18/2013

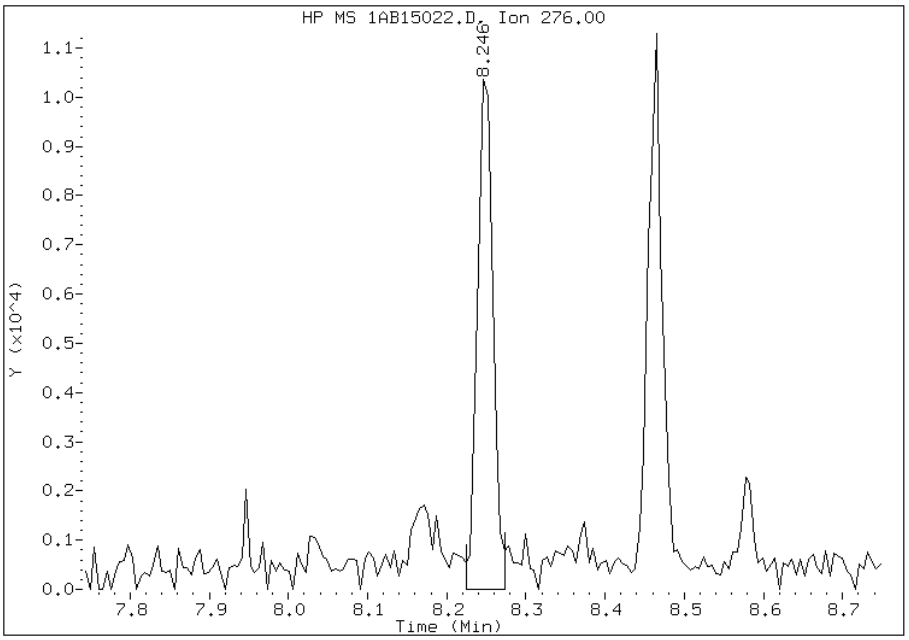
Processing Integration Results

RT: 8.25

Response: 14167

Amount: 1

Conc: 64



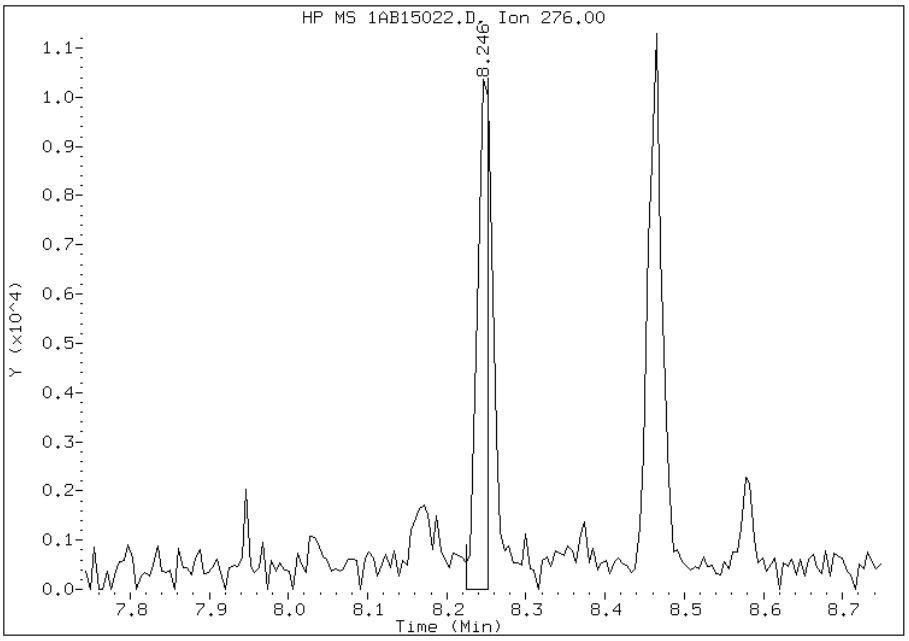
Manual Integration Results

RT: 8.25

Response: 10288

Amount: 1

Conc: 47



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:23
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748JJJ-CS | Lab Sample ID: 680-87279-29

Matrix: Solid | Lab File ID: 1CB18014.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 16:27

Extract. Method: 3546 | Date Extracted: 02/14/2013 08:35

Sample wt/vol: 15.15(g) | Date Analyzed: 02/18/2013 17:31

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 15.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134598 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	120	U	120	23
208-96-8	Acenaphthylene	16	J	47	5.8
120-12-7	Anthracene	54		9.8	4.9
56-55-3	Benzo[a]anthracene	210		9.3	4.5
50-32-8	Benzo[a]pyrene	220		12	6.1
205-99-2	Benzo[b]fluoranthene	350		14	7.1
191-24-2	Benzo[g,h,i]perylene	170		23	5.1
207-08-9	Benzo[k]fluoranthene	160		9.3	4.2
218-01-9	Chrysene	250		10	5.2
53-70-3	Dibenz(a,h)anthracene	51		23	4.8
206-44-0	Fluoranthene	480		23	4.7
86-73-7	Fluorene	23		23	4.8
193-39-5	Indeno[1,2,3-cd]pyrene	130		23	8.3
90-12-0	1-Methylnaphthalene	60		47	5.1
91-57-6	2-Methylnaphthalene	73		47	8.3
91-20-3	Naphthalene	75		47	5.1
85-01-8	Phenanthrene	280		9.3	4.5
129-00-0	Pyrene	430		23	4.3

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	73		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\1CB18014.D
Lab Smp Id: 680-87279-A-29-A Client Smp ID: CV0748JJJ-CS
Inj Date : 18-FEB-2013 17:31
Operator : SCC Inst ID: BSMC5973.i
Smp Info : 680-87279-A-29-A
Misc Info : 680-87279-A-29-A
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\a-bFASTPAHi-m.m
Meth Date : 18-Feb-2013 14:24 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 14
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.150	Weight Extracted
M	15.042	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	3.815	3.816	(1.000)	2003635	40.0000	
* 6 Acenaphthene-d10	164	4.904	4.904	(1.000)	1557162	40.0000	
* 10 Phenanthrene-d10	188	5.857	5.857	(1.000)	2835034	40.0000	
$ 14 o-Terphenyl	230	6.109	6.109	(1.043)	304874	7.33934	570.2191
* 18 Chrysene-d12	240	7.803	7.809	(1.000)	2883669	40.0000	
* 23 Perylene-d12	264	9.027	9.027	(1.000)	2705454	40.0000	
2 Naphthalene	128	3.827	3.827	(1.003)	51175	0.96386	74.8858
3 2-Methylnaphthalene	142	4.251	4.257	(1.114)	32315	0.93605	72.7248
4 1-Methylnaphthalene	142	4.315	4.315	(1.131)	24273	0.77307	60.0628
5 Acenaphthylene	152	4.815	4.815	(0.982)	12383	0.19989	15.5298
9 Fluorene	166	5.245	5.245	(1.070)	14756	0.29586	22.9860
11 Phenanthrene	178	5.874	5.874	(1.003)	303647	3.58820	278.7797
12 Anthracene	178	5.904	5.909	(1.008)	52828	0.69289	53.8327
13 Carbazole	167	6.015	6.015	(1.027)	38065	0.57477	44.6558

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
15 Fluoranthene	202	6.715	6.715	(1.147)	505672	6.11533	475.1216
16 Pyrene	202	6.880	6.880	(0.882)	425740	5.54563	430.8600
17 Benzo(a)anthracene	228	7.798	7.798	(0.999)	218956	2.75343	213.9238
19 Chrysene	228	7.821	7.827	(1.002)	266819	3.24830	252.3719
20 Benzo(b)fluoranthene	252	8.662	8.662	(0.960)	298447	4.49950	349.5822(M)
21 Benzo(k)fluoranthene	252	8.674	8.686	(0.961)	149353	2.04390	158.7980(M)
22 Benzo(a)pyrene	252	8.968	8.968	(0.993)	178634	2.83026	219.8932
24 Indeno(1,2,3-cd)pyrene	276	10.244	10.250	(1.135)	101937	1.68154	130.6447(M)
25 Dibenzo(a,h)anthracene	278	10.256	10.268	(1.136)	37760	0.66052	51.3182
26 Benzo(g,h,i)perylene	276	10.615	10.621	(1.176)	138444	2.24823	174.6730

QC Flag Legend

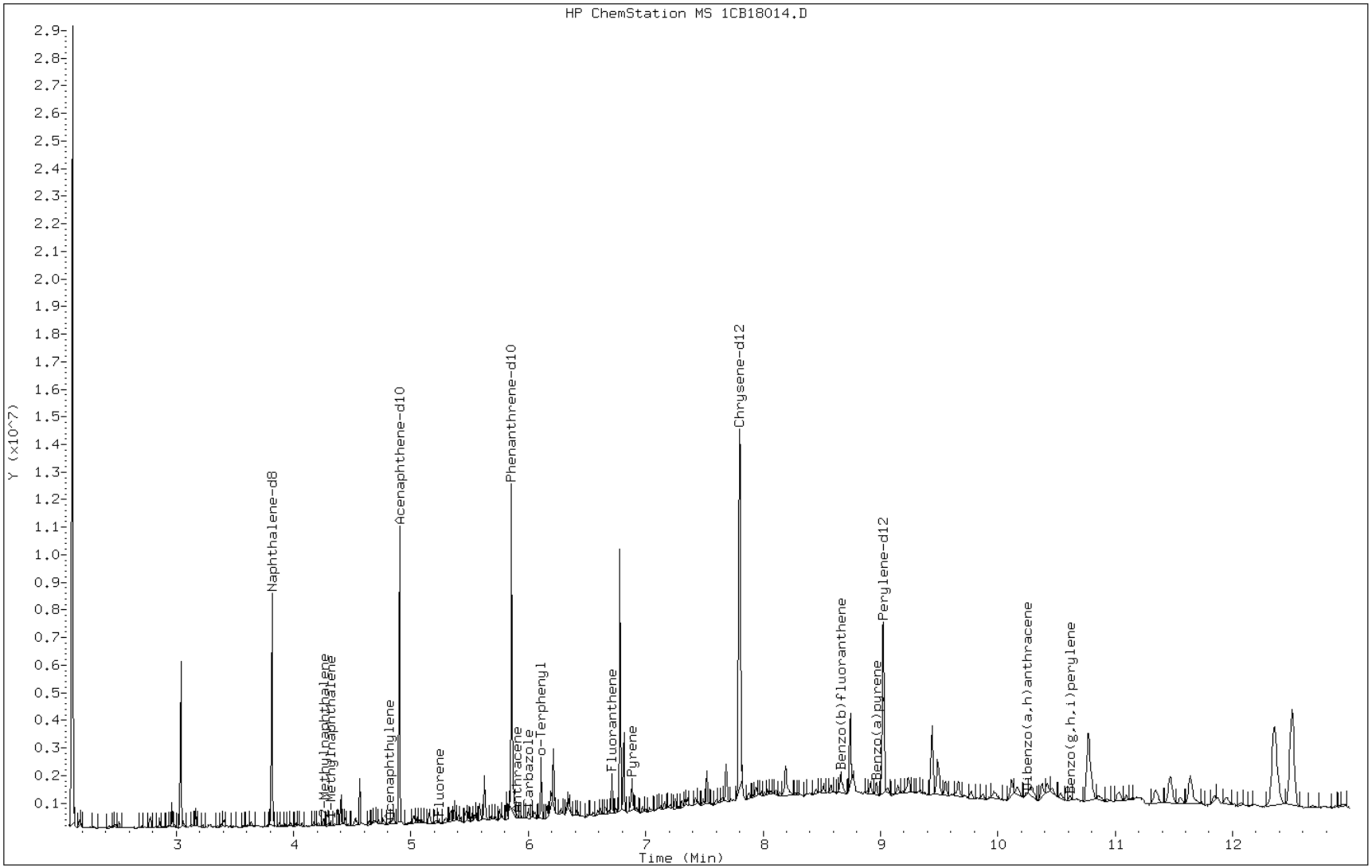
M - Compound response manually integrated.

Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC



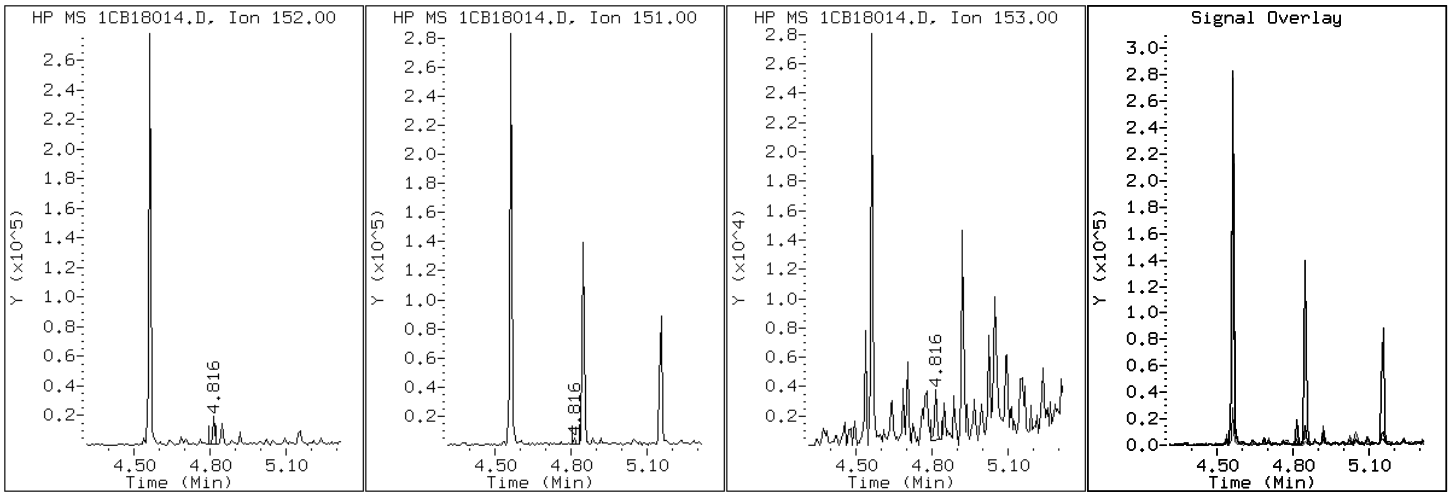
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

5 Acenaphthylene



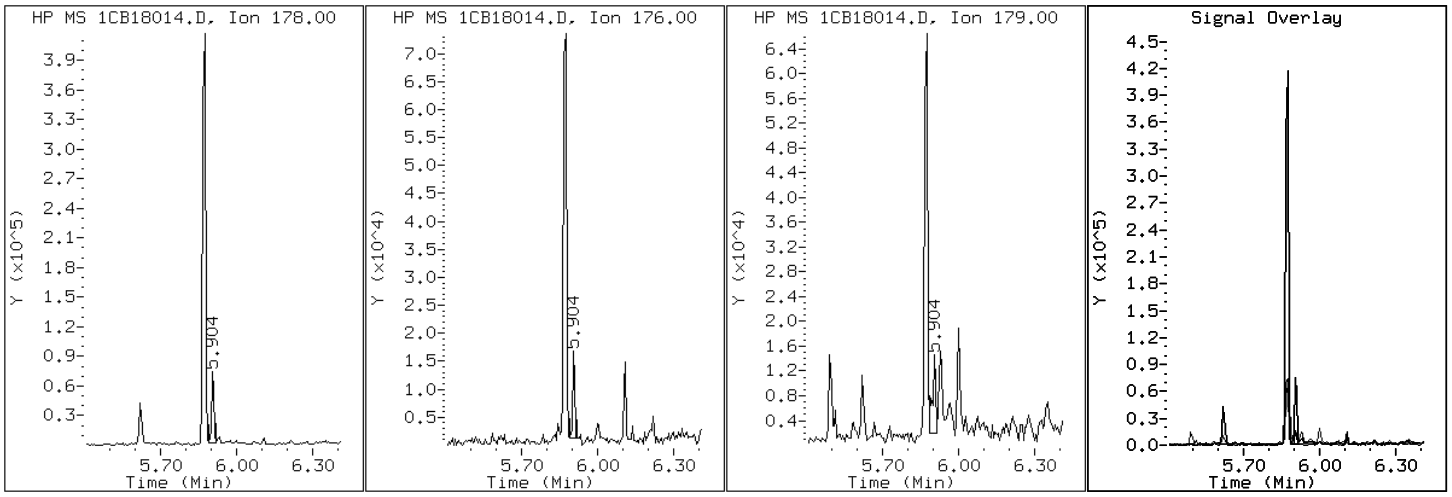
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

12 Anthracene



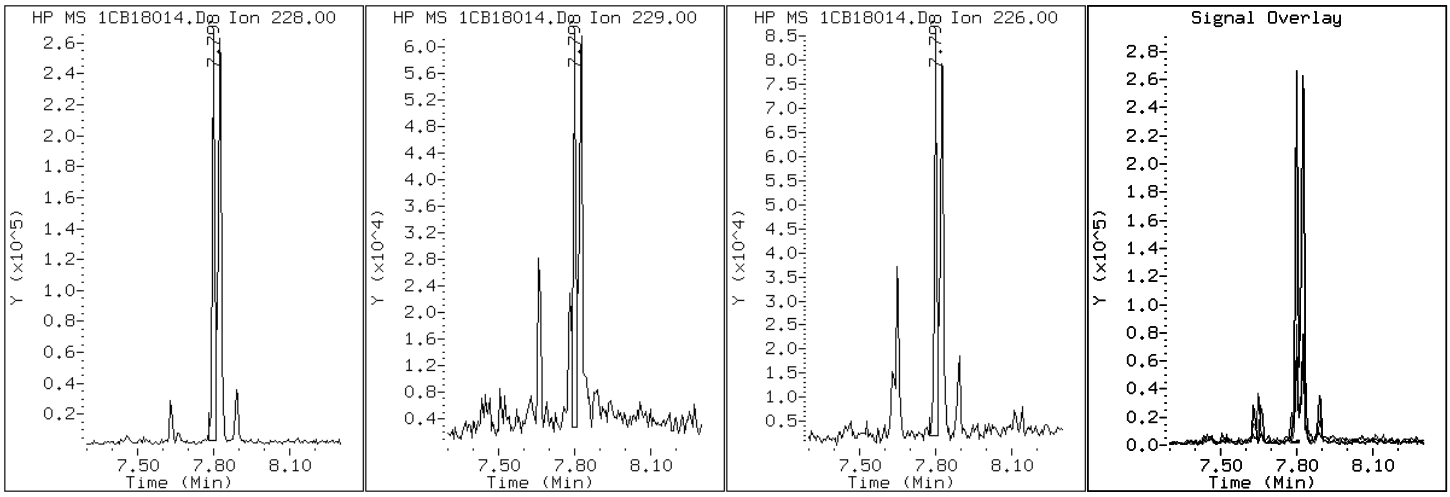
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

17 Benzo(a)anthracene



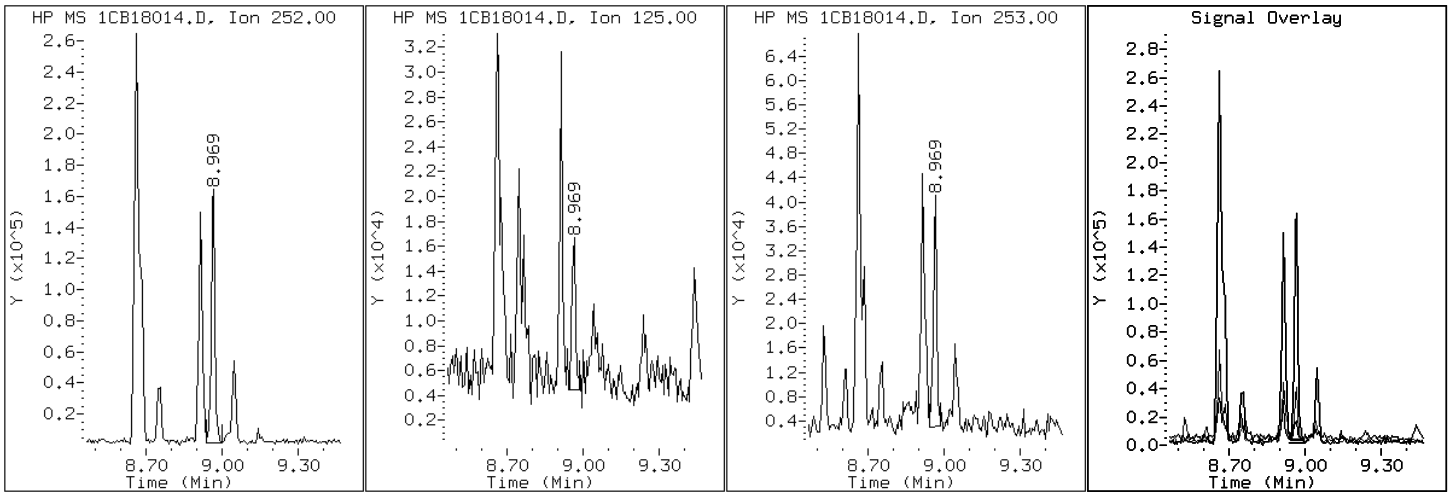
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

22 Benzo(a)pyrene



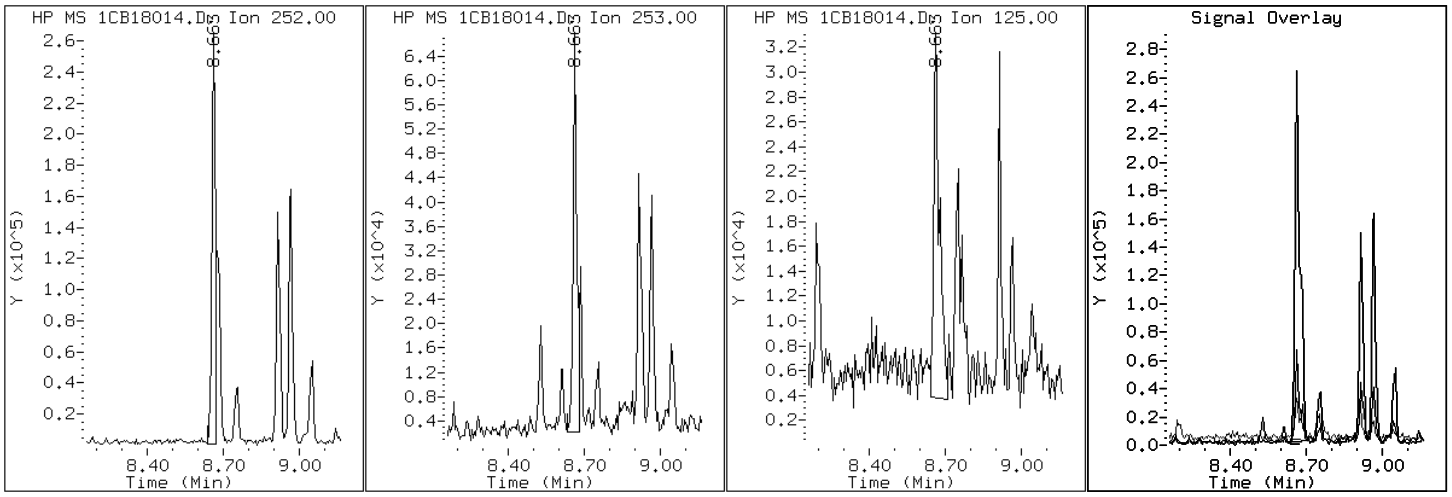
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

20 Benzo(b)fluoranthene



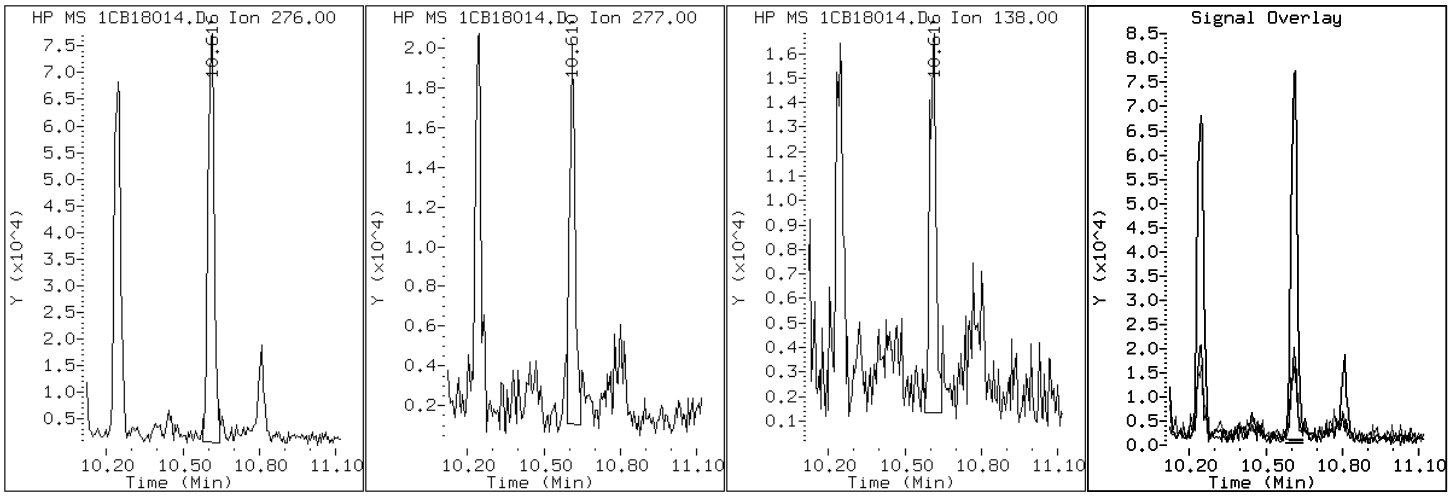
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

26 Benzo(g,h,i)perylene



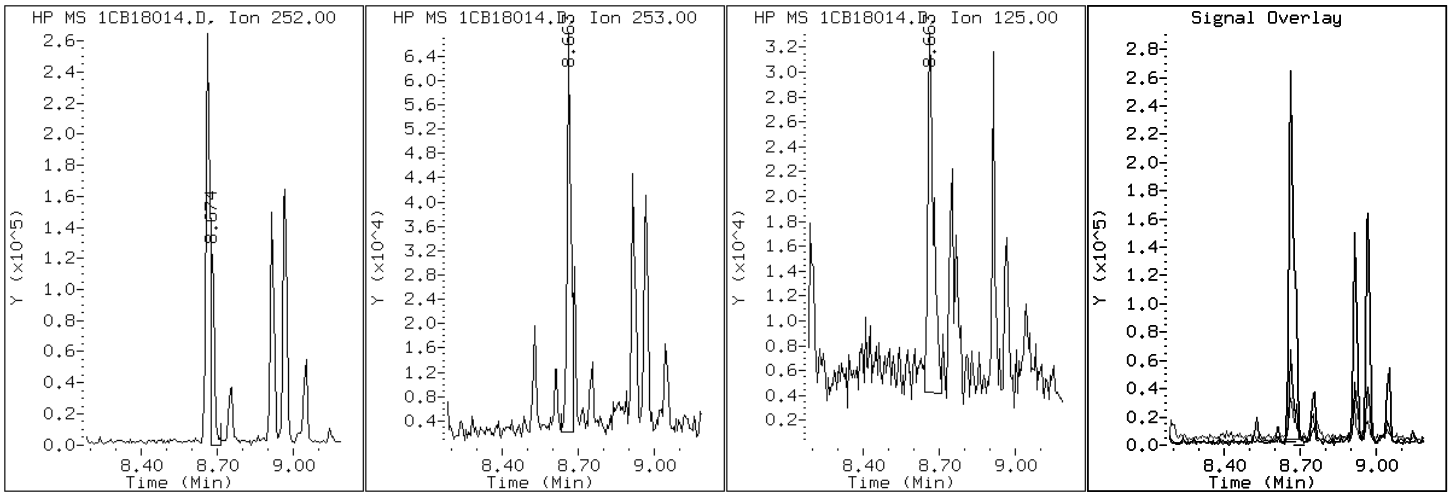
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

21 Benzo(k)fluoranthene



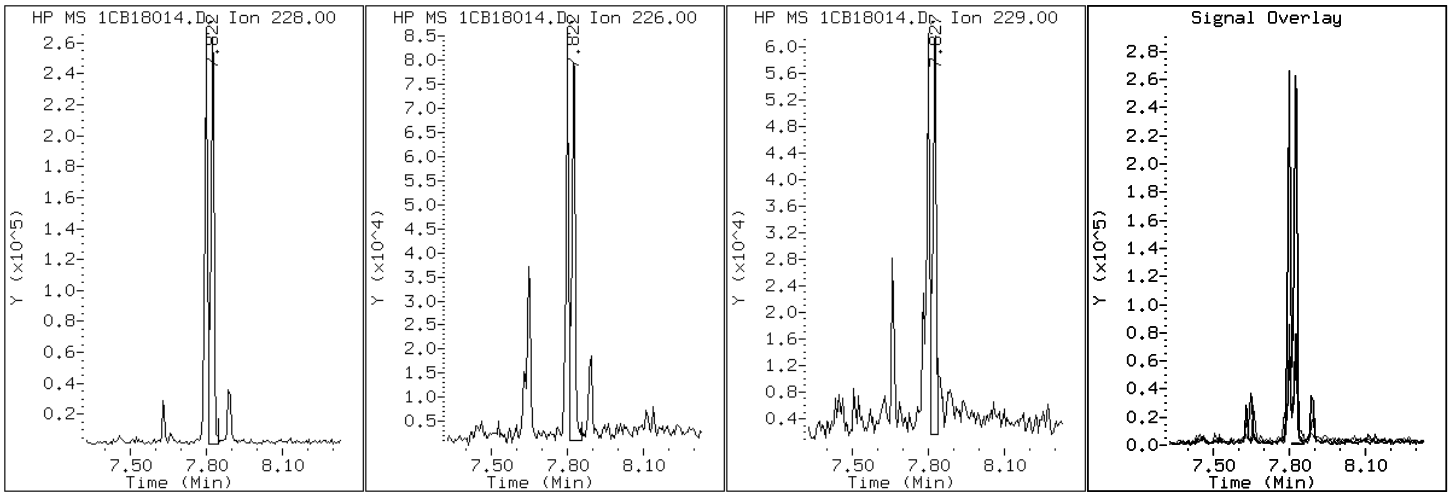
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

19 Chrysene



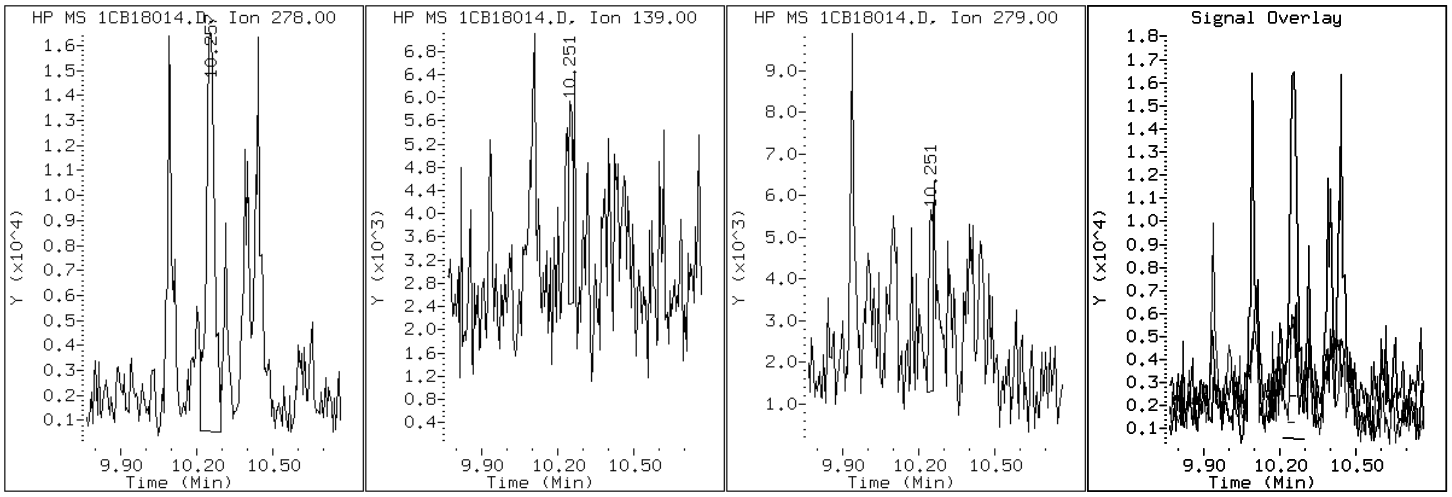
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

25 Dibenzo(a,h)anthracene



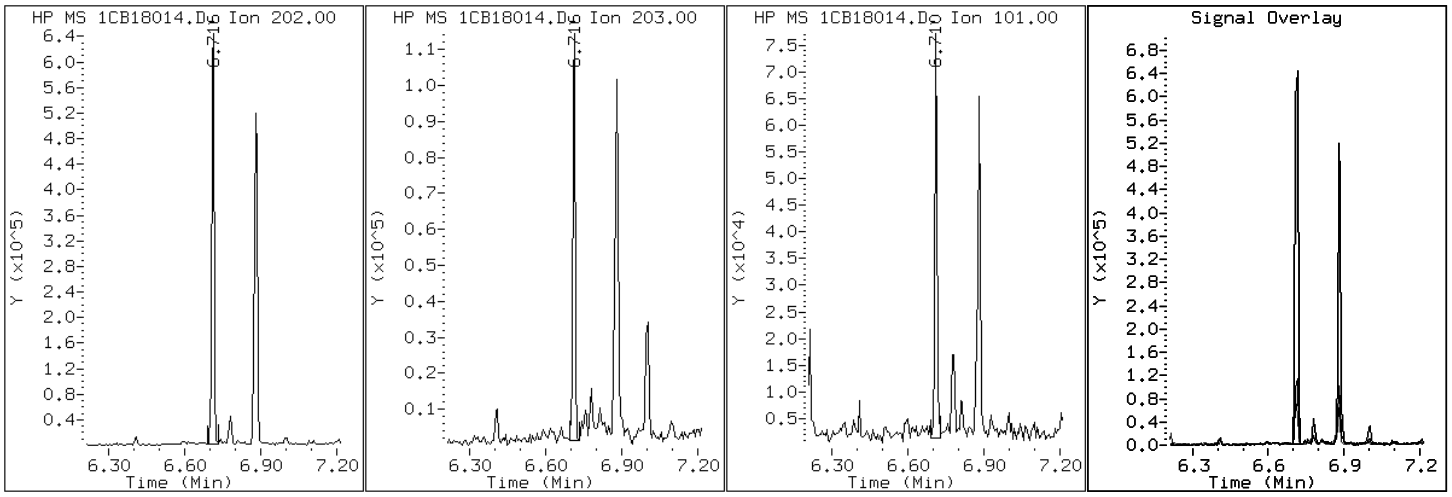
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

15 Fluoranthene



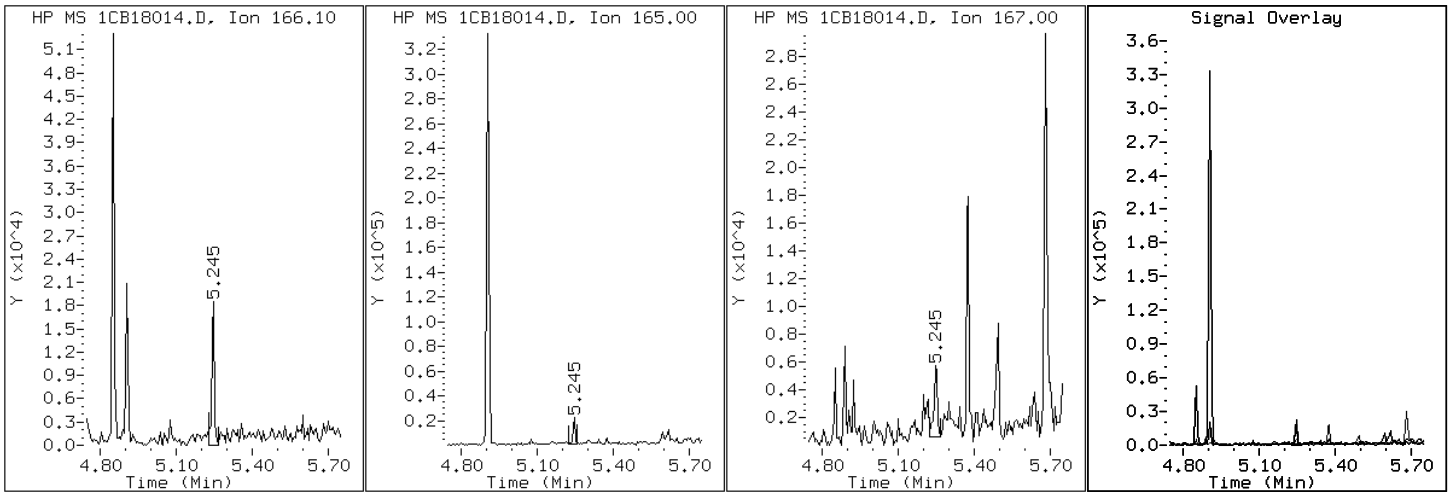
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

9 Fluorene



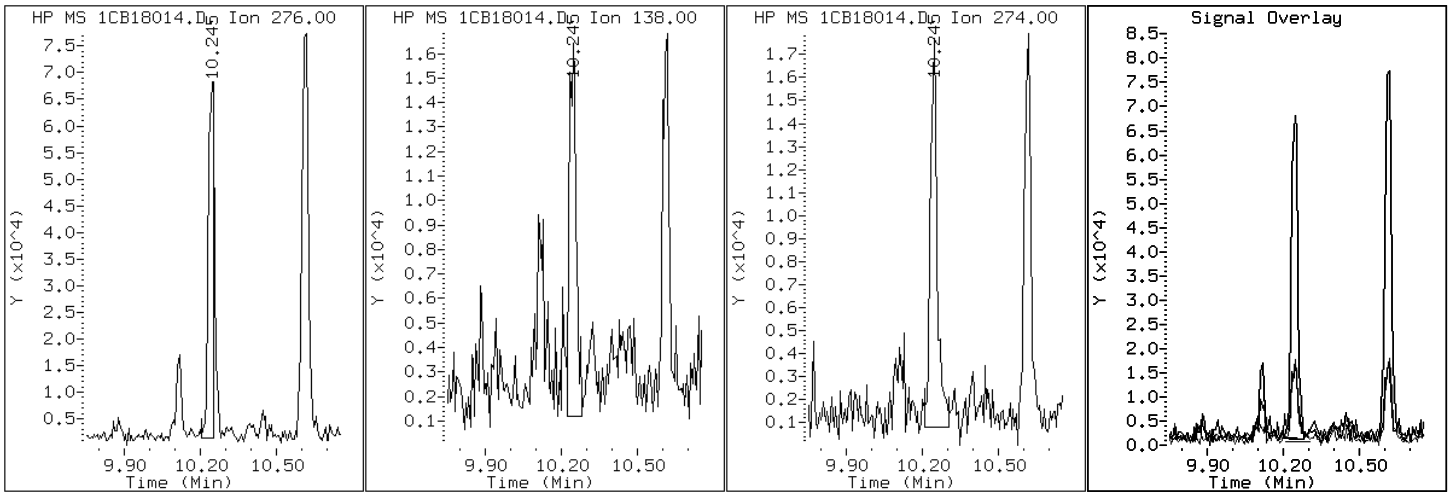
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

24 Indeno(1,2,3-cd)pyrene



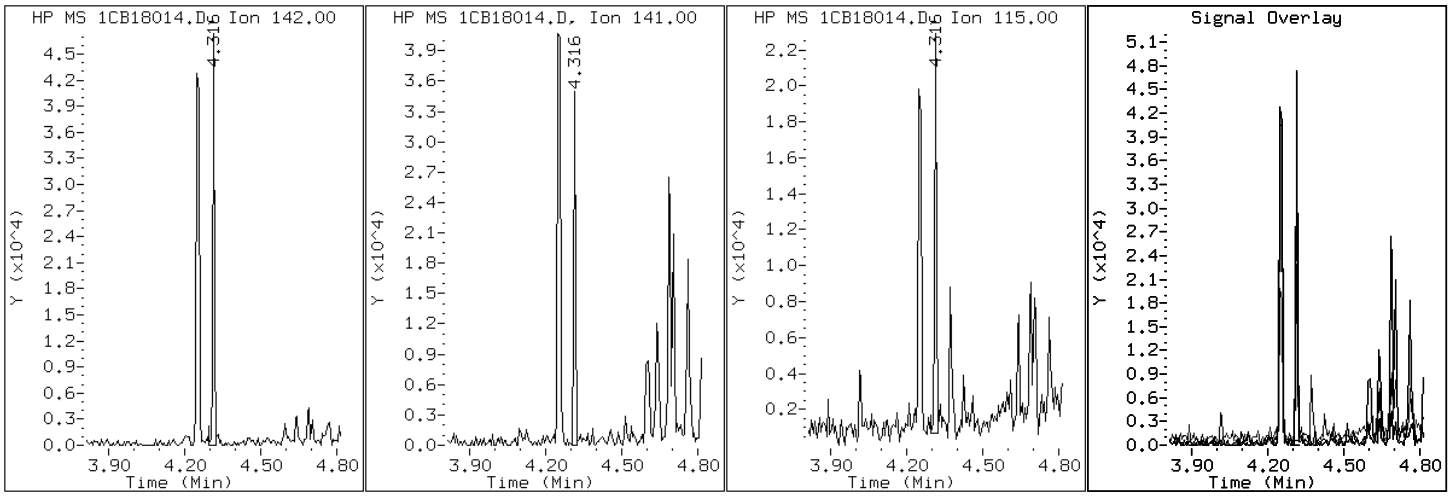
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

4 1-Methylnaphthalene



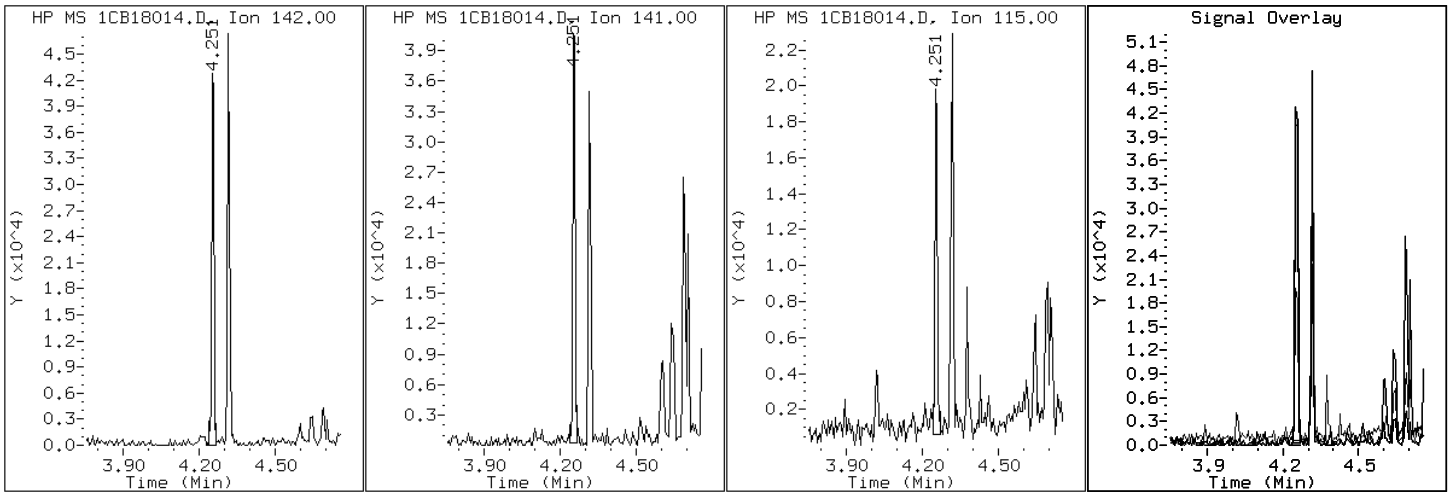
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

3 2-Methylnaphthalene



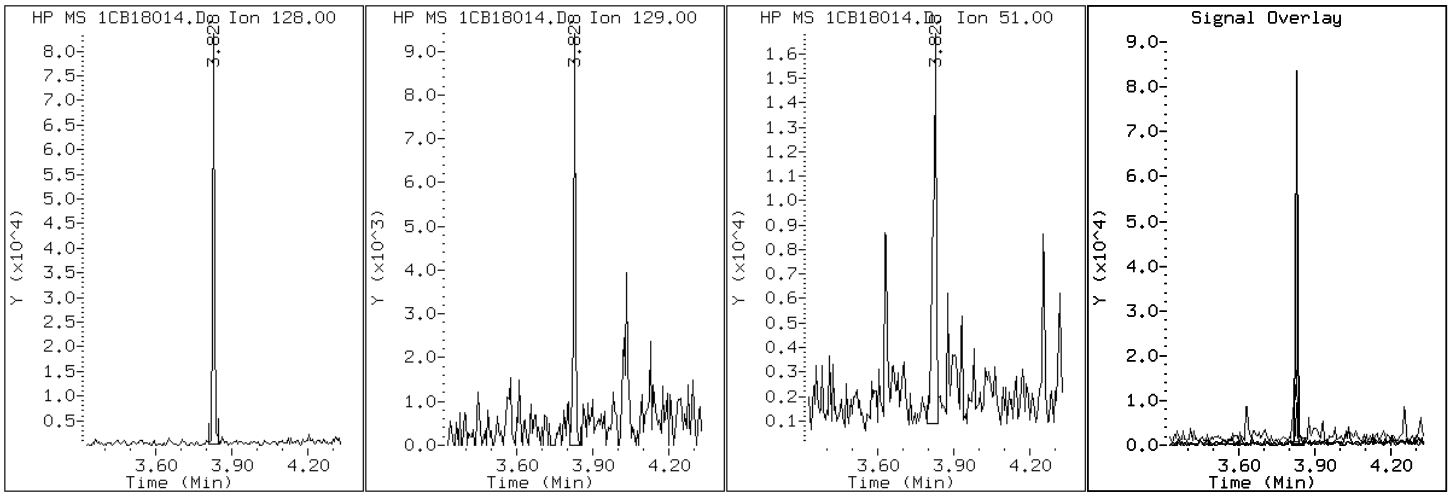
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

2 Naphthalene



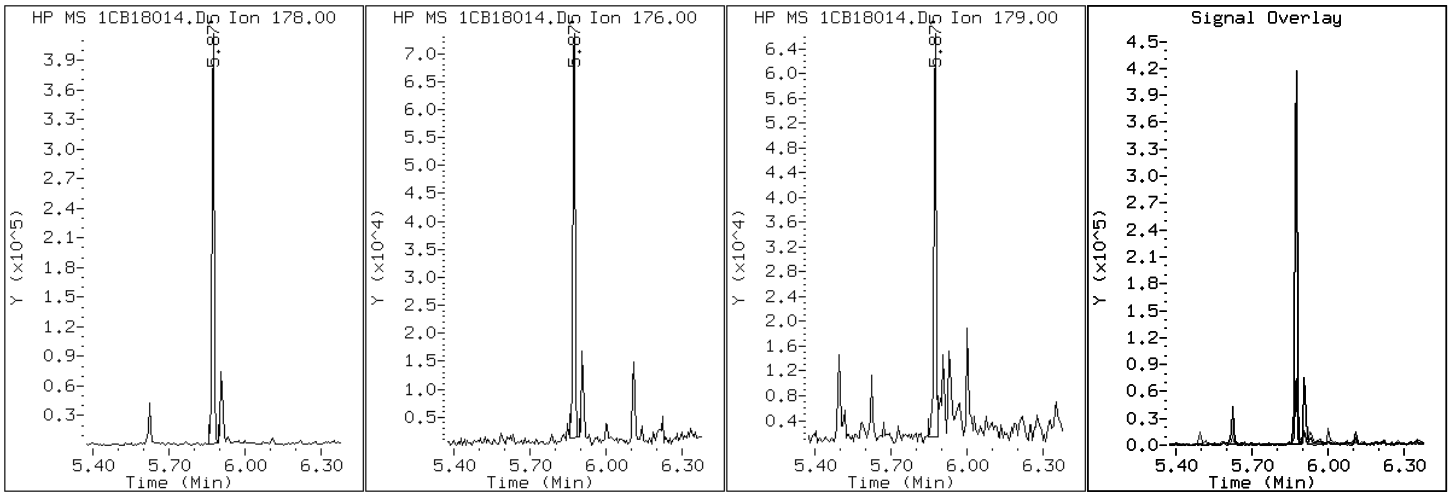
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

11 Phenanthrene



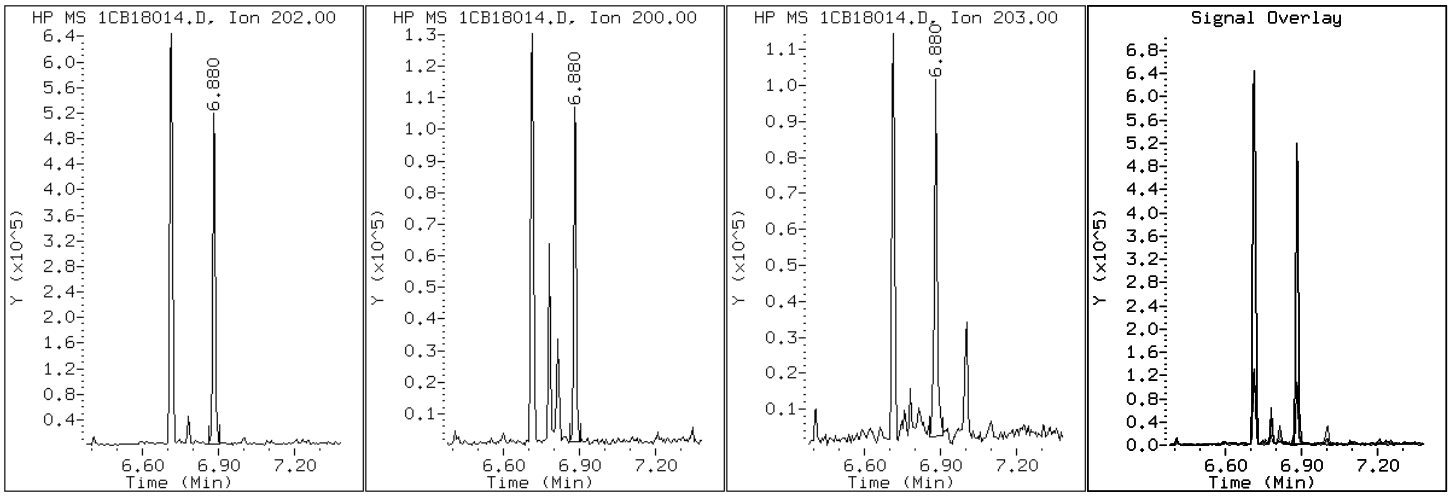
Data File: 1CB18014.D

Date: 18-FEB-2013 17:31

Client ID: CV0748JJJ-CS Instrument: BSMC5973.i

Sample Info: 680-87279-A-29-A Operator: SCC

16 Pyrene



Manual Integration Report

Data File: 1CB18014.D
Inj. Date and Time: 18-FEB-2013 17:31
Instrument ID: BSMC5973.i
Client ID: CV0748JJJ-CS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 02/19/2013

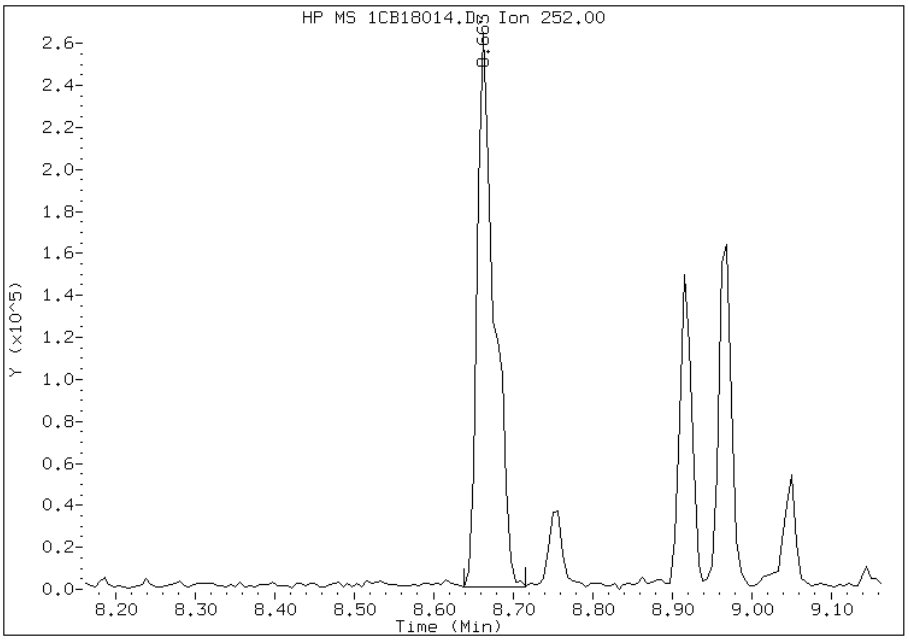
Processing Integration Results

RT: 8.66

Response: 399486

Amount: 6

Conc: 468



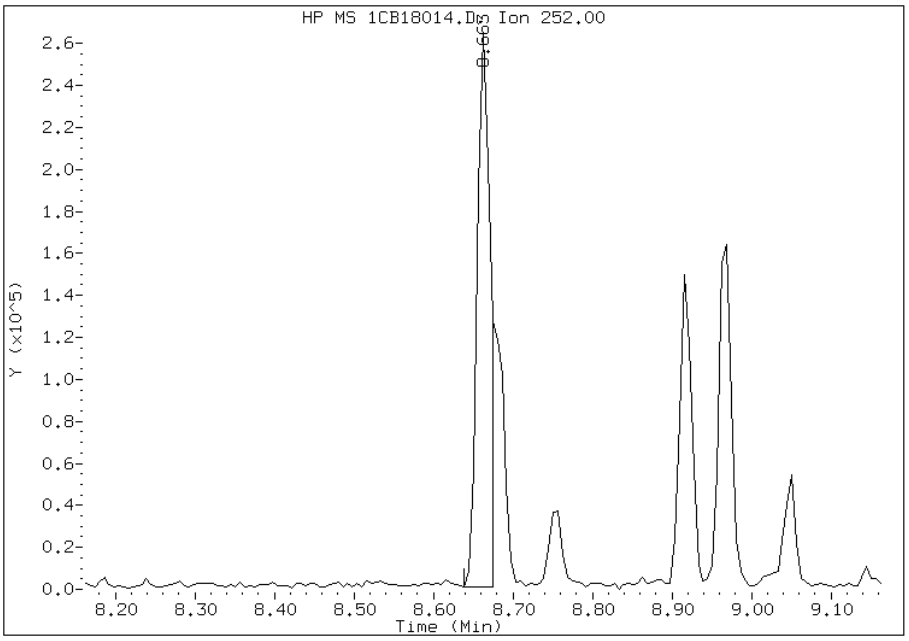
Manual Integration Results

RT: 8.66

Response: 298447

Amount: 4

Conc: 350



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 10:00
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CB18014.D
Inj. Date and Time: 18-FEB-2013 17:31
Instrument ID: BSMC5973.i
Client ID: CV0748JJJ-CS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 02/19/2013

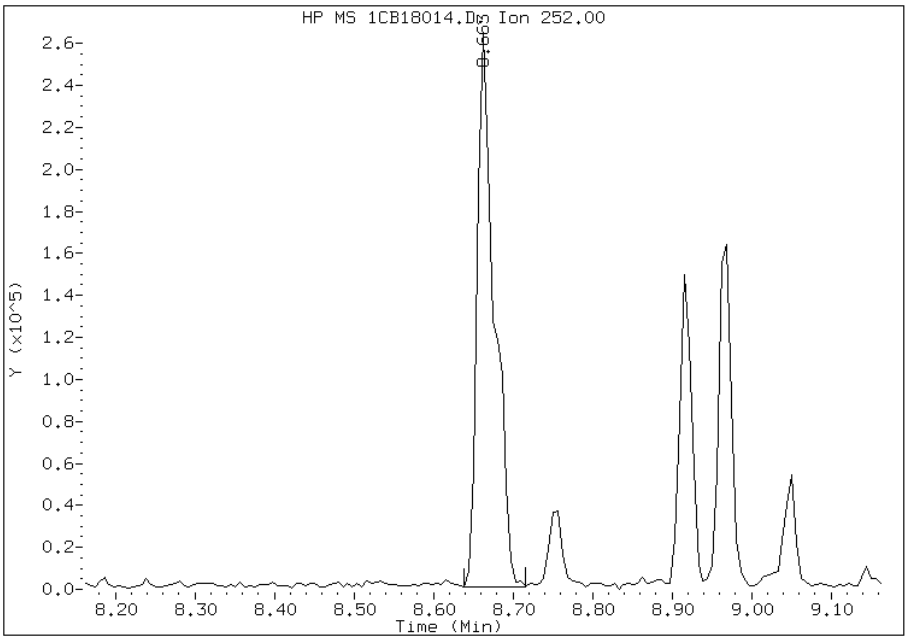
Processing Integration Results

RT: 8.66

Response: 399486

Amount: 5

Conc: 425



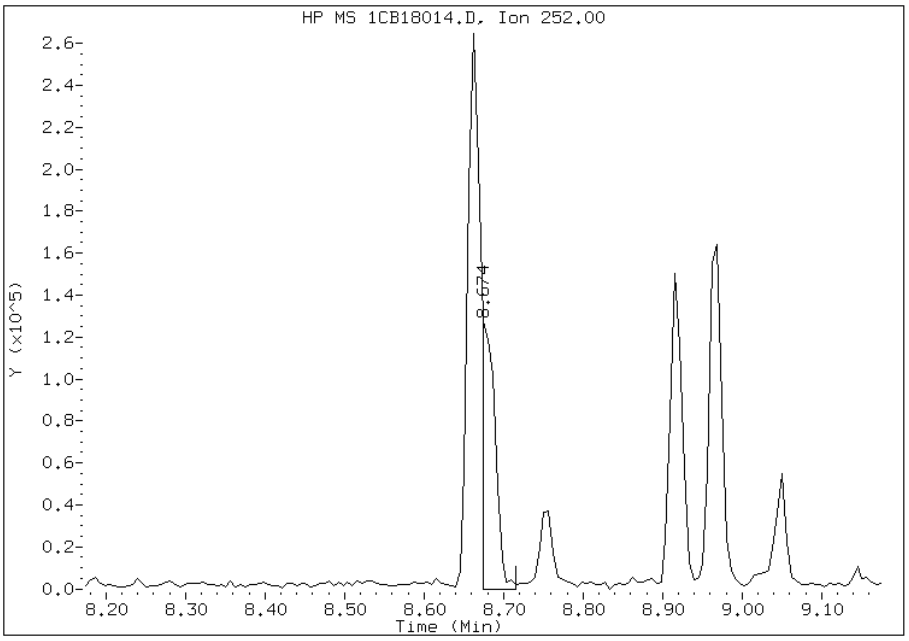
Manual Integration Results

RT: 8.67

Response: 149353

Amount: 2

Conc: 159



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 10:00
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CB18014.D
Inj. Date and Time: 18-FEB-2013 17:31
Instrument ID: BSMC5973.i
Client ID: CV0748JJJ-CS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/19/2013

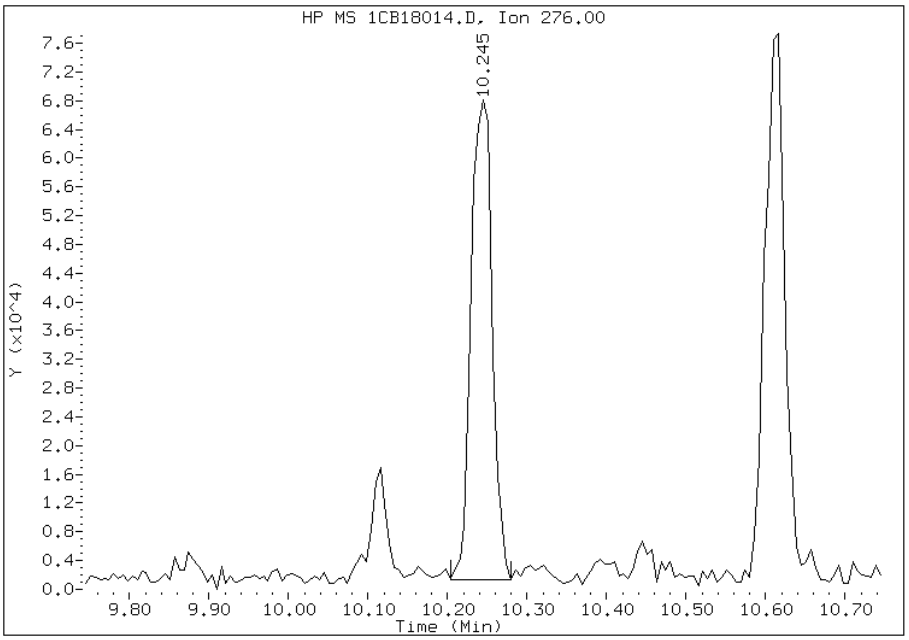
Processing Integration Results

RT: 10.24

Response: 121223

Amount: 2

Conc: 155



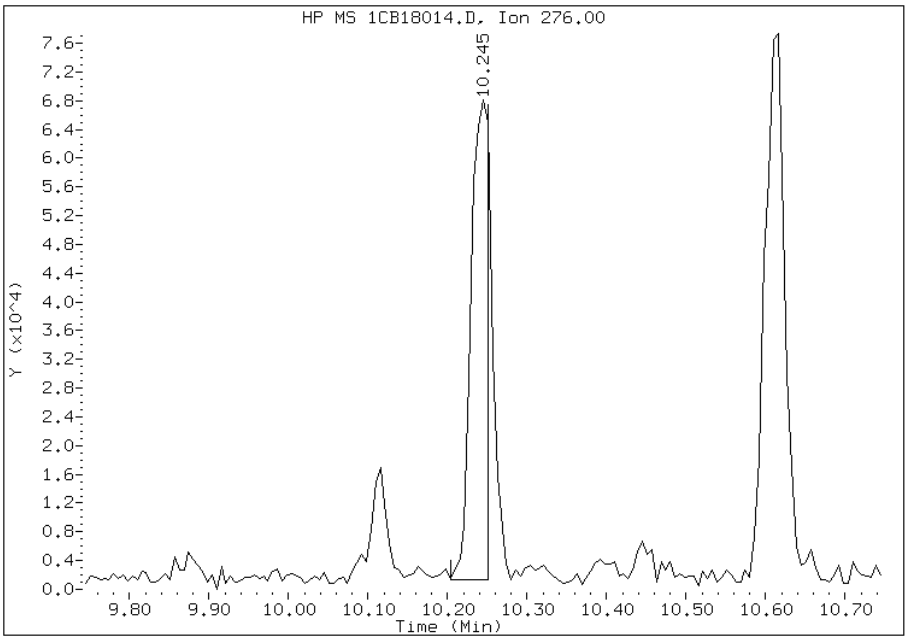
Manual Integration Results

RT: 10.24

Response: 101937

Amount: 2

Conc: 131



Manually Integrated By: cantins
Modification Date: 19-Feb-2013 10:00
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748AF-GS | Lab Sample ID: 680-87279-31

Matrix: Solid | Lab File ID: 1AB15024.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 15:37

Extract. Method: 3546 | Date Extracted: 02/14/2013 08:35

Sample wt/vol: 14.94(g) | Date Analyzed: 02/15/2013 19:53

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 3.8 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134532 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	100	U	100	21
208-96-8	Acenaphthylene	9.1	J	42	5.2
120-12-7	Anthracene	40		8.8	4.4
56-55-3	Benzo[a]anthracene	300		8.4	4.1
50-32-8	Benzo[a]pyrene	160		11	5.4
205-99-2	Benzo[b]fluoranthene	250		13	6.4
191-24-2	Benzo[g,h,i]perylene	130		21	4.6
207-08-9	Benzo[k]fluoranthene	86		8.4	3.8
218-01-9	Chrysene	210		9.4	4.7
53-70-3	Dibenz(a,h)anthracene	53		21	4.3
206-44-0	Fluoranthene	330		21	4.2
86-73-7	Fluorene	8.6	J	21	4.3
193-39-5	Indeno[1,2,3-cd]pyrene	120		21	7.4
90-12-0	1-Methylnaphthalene	26	J	42	4.6
91-57-6	2-Methylnaphthalene	37	J	42	7.4
91-20-3	Naphthalene	26	J	42	4.6
85-01-8	Phenanthrene	120		8.4	4.1
129-00-0	Pyrene	300		21	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	75		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15024.D
Lab Smp Id: 680-87279-A-31-A Client Smp ID: CV0748AF-GS
Inj Date : 15-FEB-2013 19:53
Operator : SCC Inst ID: BSMA5973.i
Smp Info : 680-87279-a-31-a
Misc Info : 680-87279-A-31-A
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 15:32 cantins Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	14.940	Weight Extracted
M	3.823	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	2.420	2.415	(1.000)	900337	40.0000	
* 6 Acenaphthene-d10	164	3.446	3.441	(1.000)	600633	40.0000	
* 10 Phenanthrene-d10	188	4.391	4.386	(1.000)	855569	40.0000	
$ 14 o-Terphenyl	230	4.669	4.664	(1.063)	93746	7.54078	524.8003
* 18 Chrysene-d12	240	6.416	6.411	(1.000)	615817	40.0000	
* 23 Perylene-d12	264	7.516	7.501	(1.000)	824917	40.0000	
2 Naphthalene	128	2.431	2.426	(1.004)	8305	0.38003	26.4484
3 2-Methylnaphthalene	141	2.831	2.832	(1.170)	6151	0.52540	36.5652
4 1-Methylnaphthalene	142	2.890	2.885	(1.194)	4901	0.36982	25.7373(Q)
5 Acenaphthylene	152	3.360	3.355	(0.975)	3473	0.13095	9.1136
9 Fluorene	166	3.772	3.772	(1.095)	2242	0.12422	8.6447(Q)
11 Phenanthrene	178	4.402	4.402	(1.002)	40531	1.73501	120.7479
12 Anthracene	178	4.439	4.434	(1.011)	13688	0.57470	39.9962
13 Carbazole	167	4.594	4.589	(1.046)	5464	0.26763	18.6257

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
15 Fluoranthene	202	5.267	5.262	(1.199)	108718	4.69408	326.6840
16 Pyrene	202	5.438	5.433	(0.848)	95720	4.30392	299.5308
17 Benzo(a)anthracene	228	6.405	6.395	(0.998)	78367	4.26198	296.6124
19 Chrysene	228	6.432	6.427	(1.002)	55230	3.08157	214.4620
20 Benzo(b)fluoranthene	252	7.233	7.217	(0.962)	81504	3.54002	246.3673(M)
21 Benzo(k)fluoranthene	252	7.244	7.239	(0.964)	29901	1.24215	86.4474(M)
22 Benzo(a)pyrene	252	7.463	7.452	(0.993)	50471	2.30845	160.6566
24 Indeno(1,2,3-cd)pyrene	276	8.248	8.238	(1.097)	30513	1.76742	123.0038(M)
25 Dibenzo(a,h)anthracene	278	8.264	8.254	(1.099)	13217	0.76580	53.2957
26 Benzo(g,h,i)perylene	276	8.467	8.446	(1.127)	33316	1.86273	129.6366

QC Flag Legend

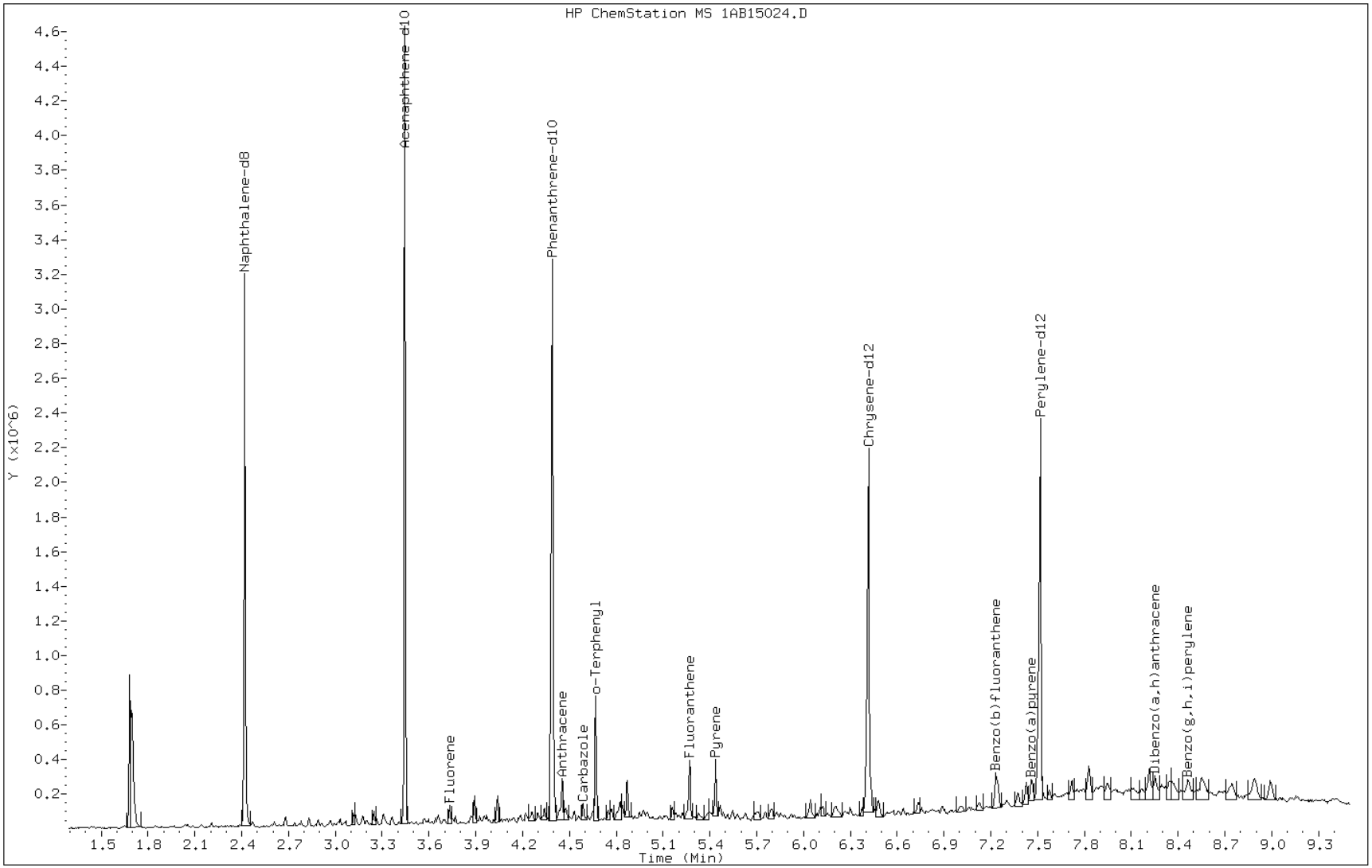
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC



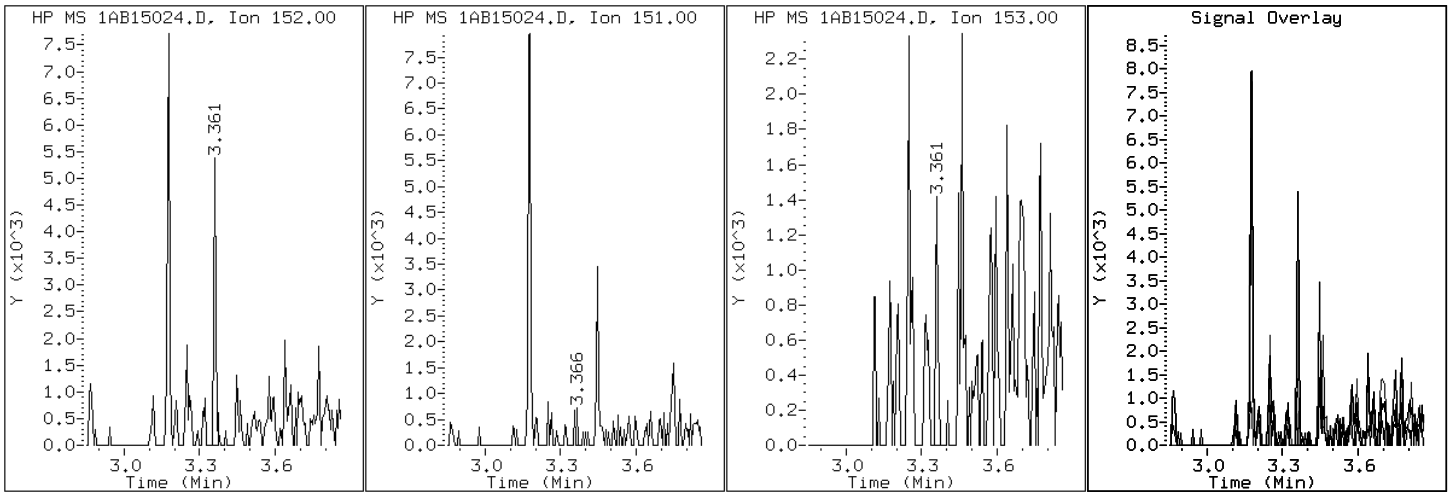
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

5 Acenaphthylene



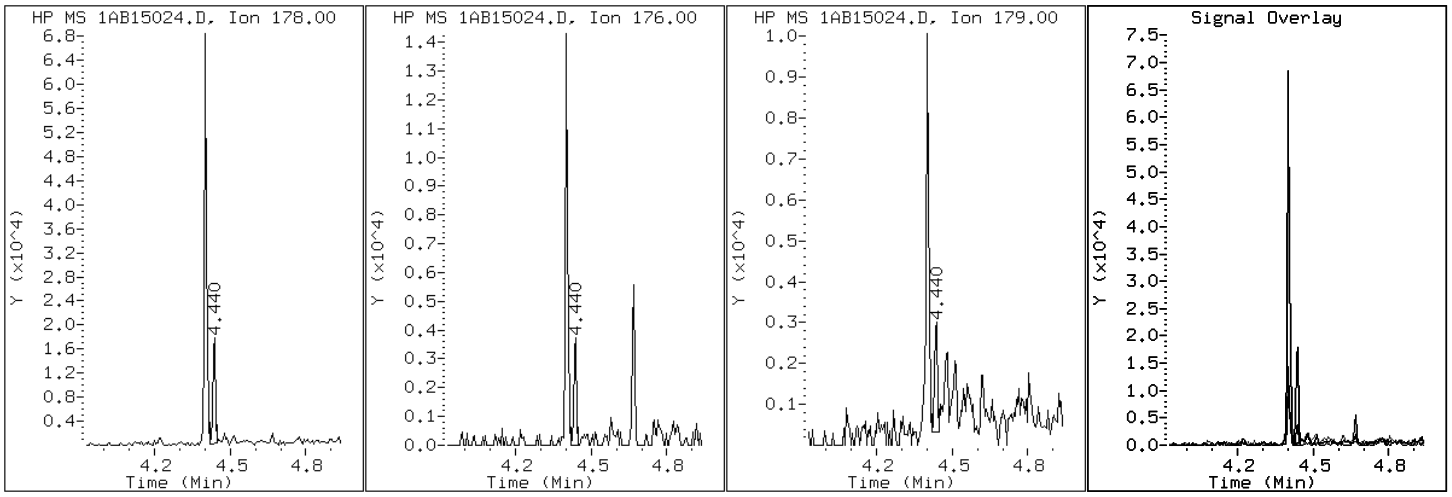
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS | Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a | Operator: SCC

12 Anthracene



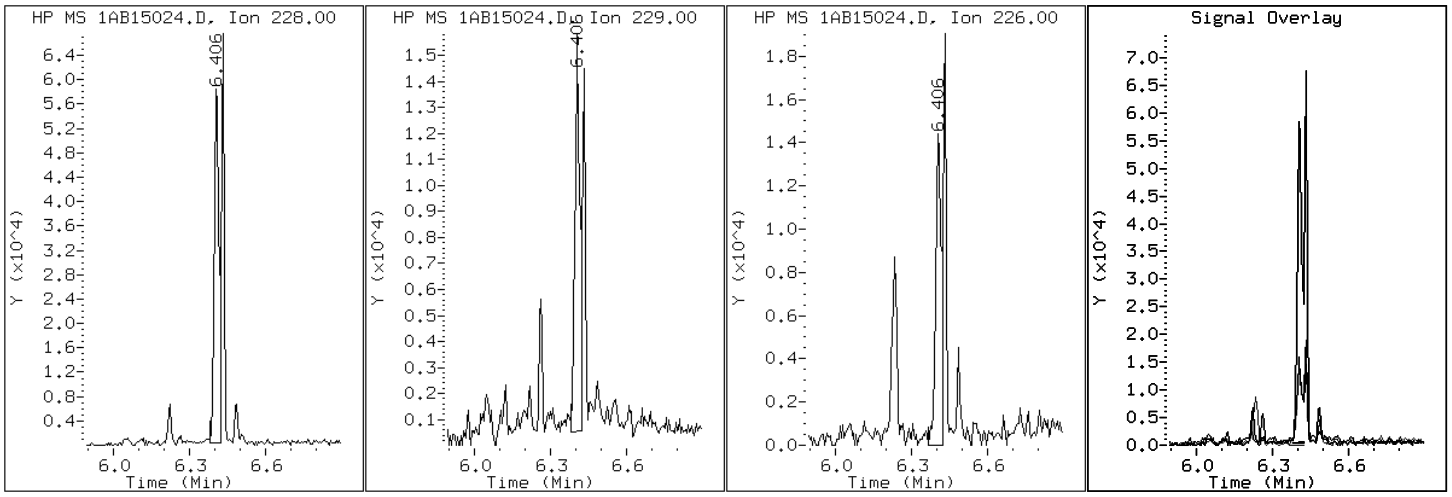
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

17 Benzo(a)anthracene



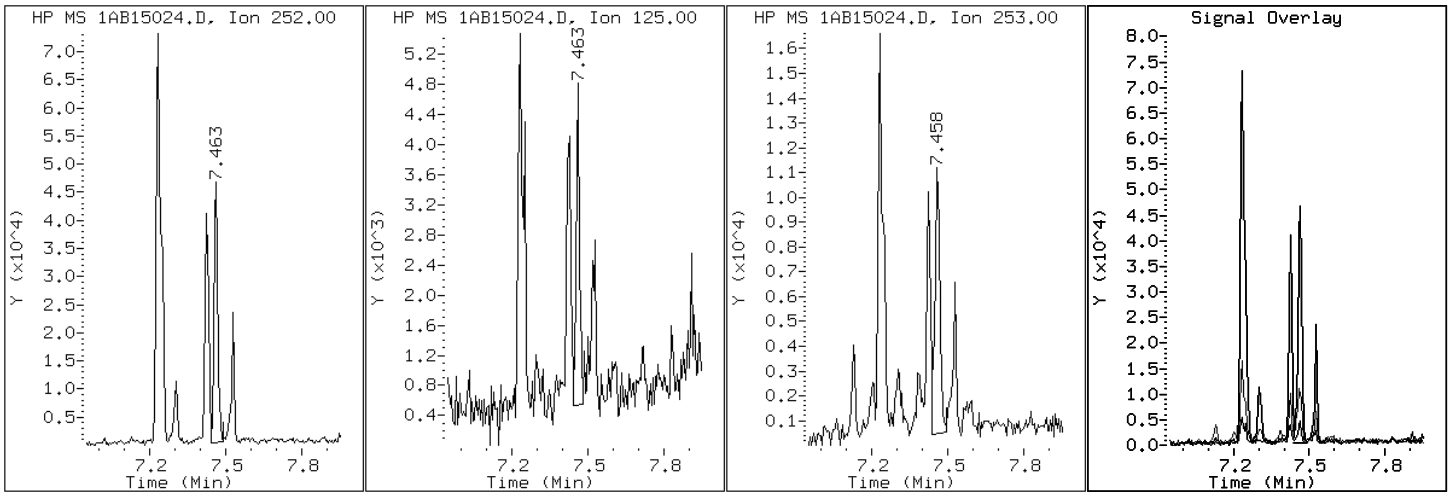
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

22 Benzo(a)pyrene



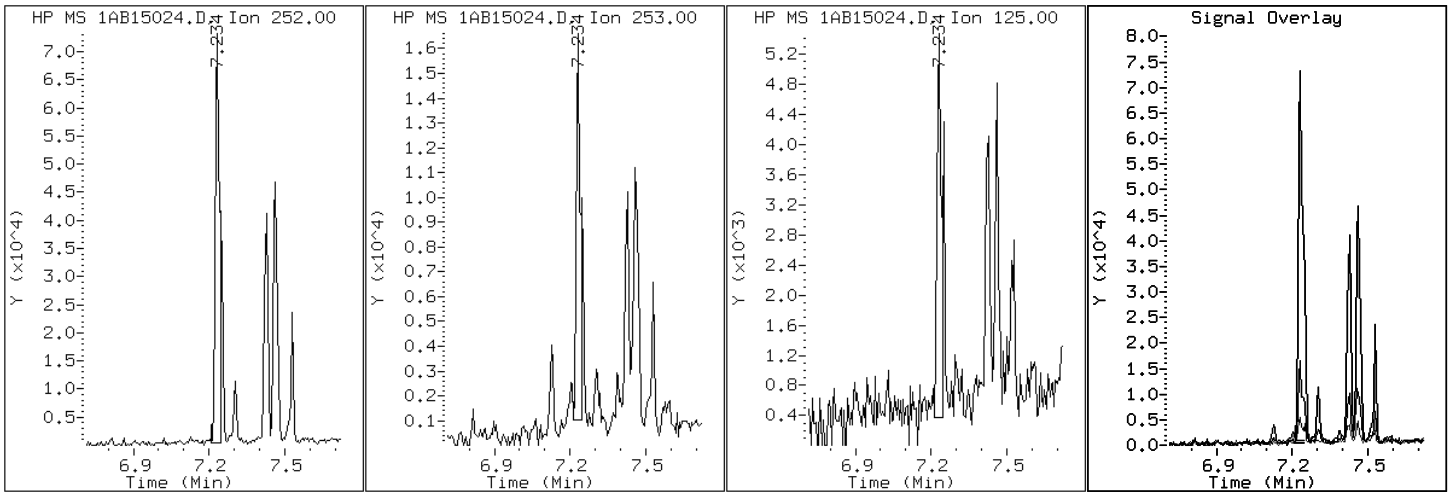
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS | Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a | Operator: SCC

20 Benzo(b)fluoranthene



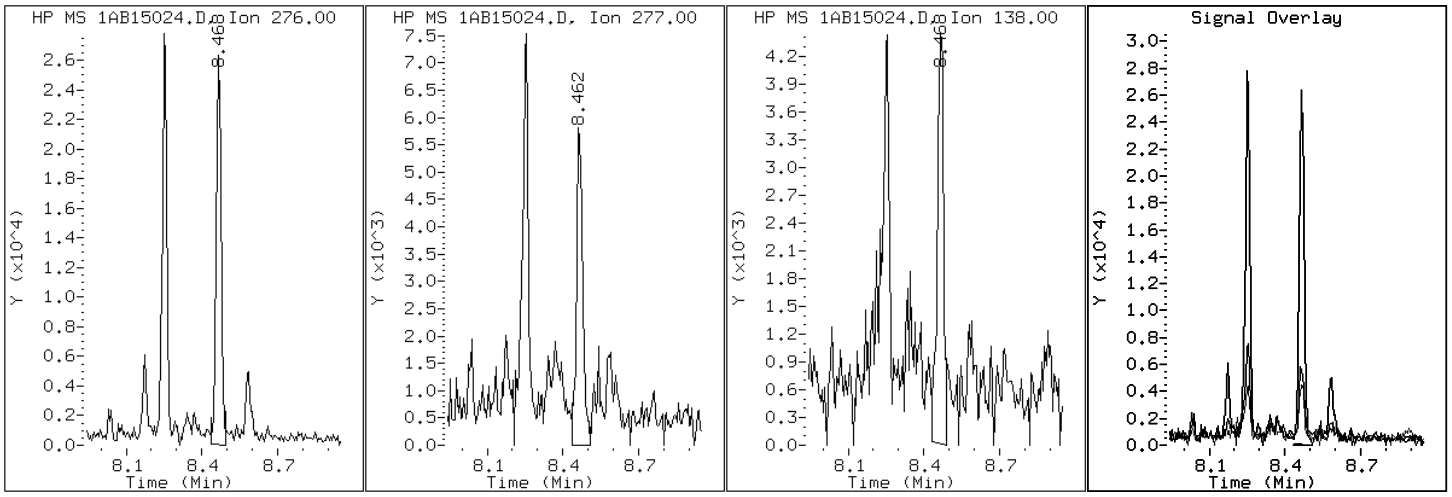
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

26 Benzo(g,h,i)perylene



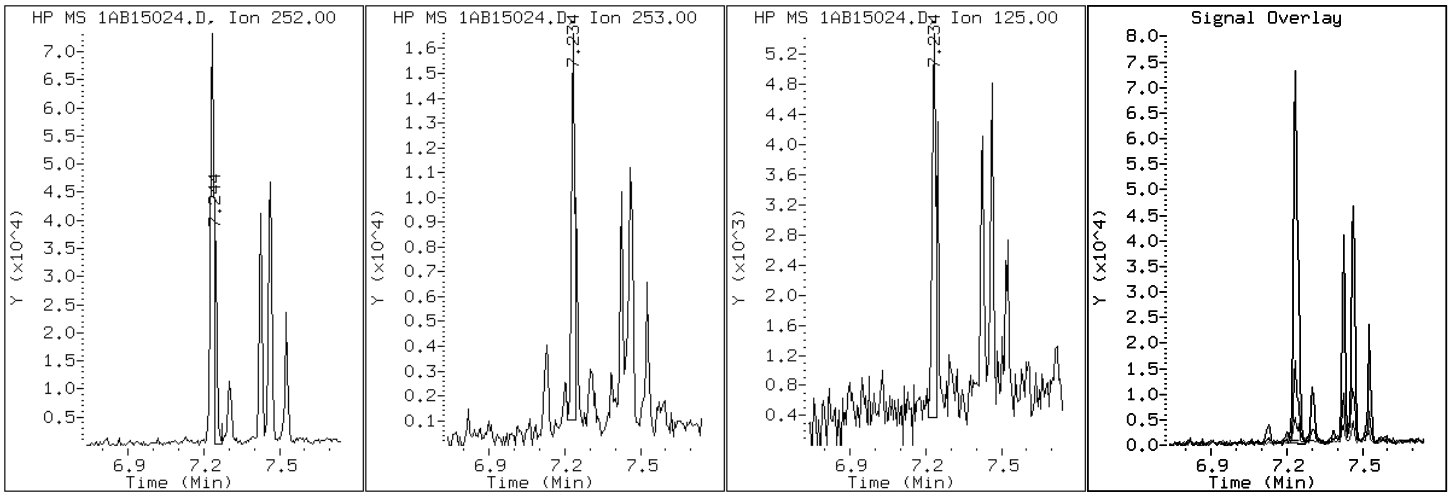
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

21 Benzo(k)fluoranthene



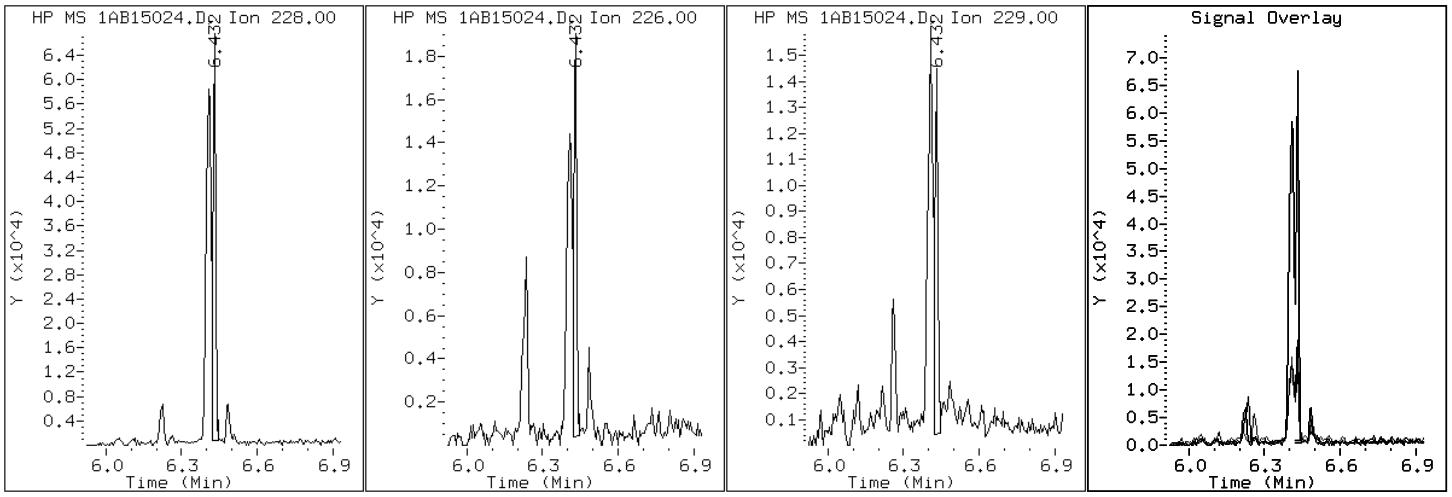
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

19 Chrysene



Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

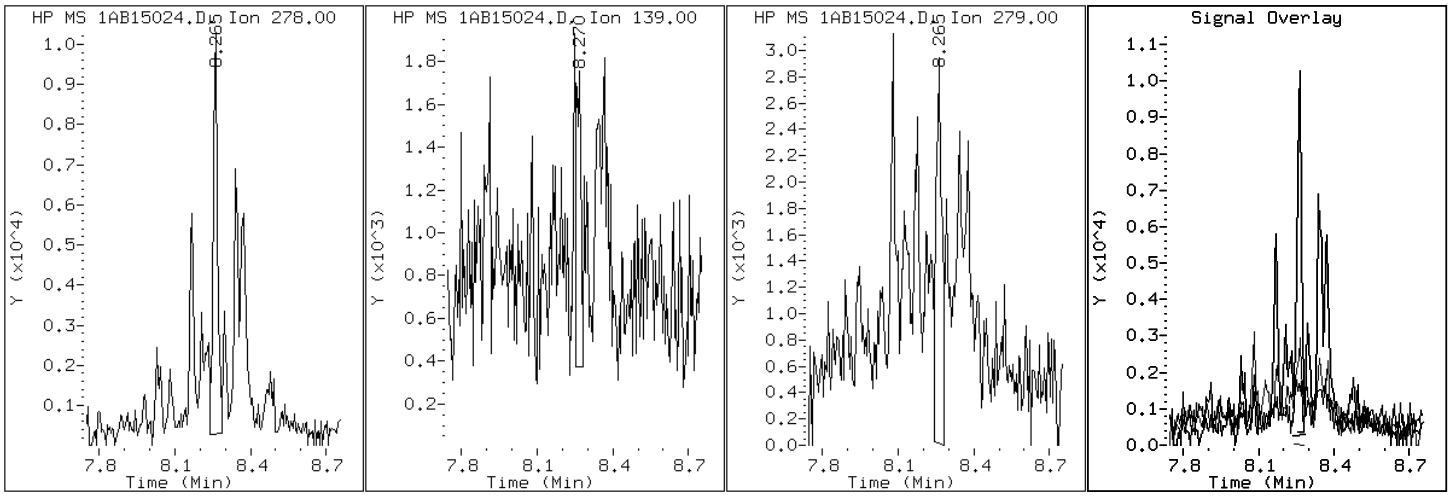
Client ID: CV0748AF-GS

Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a

Operator: SCC

25 Dibenzo(a,h)anthracene



Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

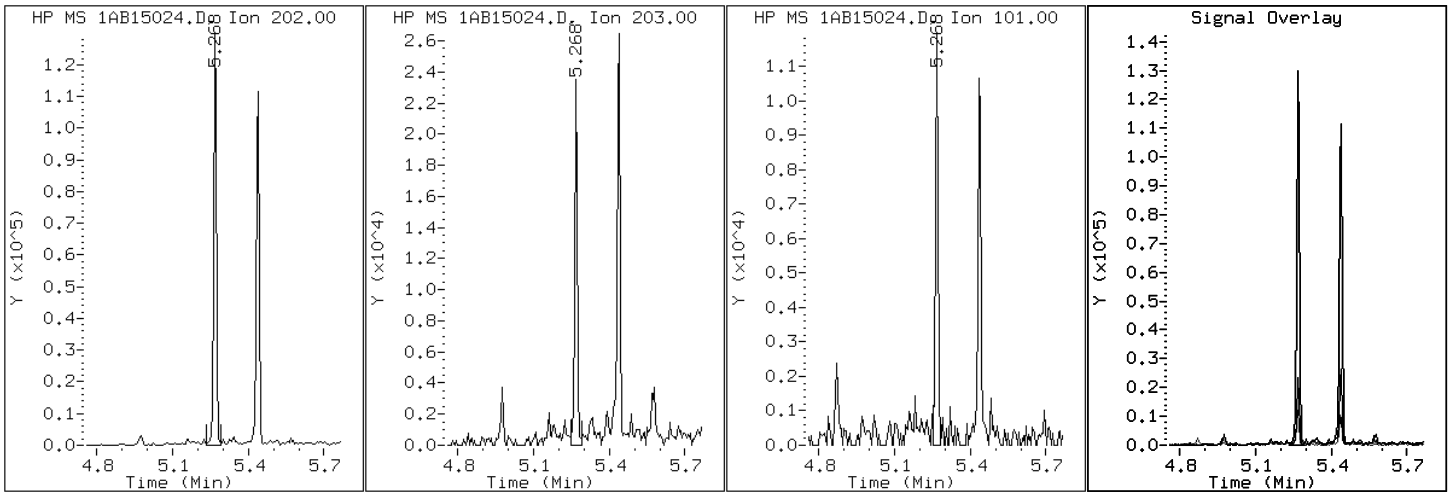
Client ID: CV0748AF-GS

Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a

Operator: SCC

15 Fluoranthene



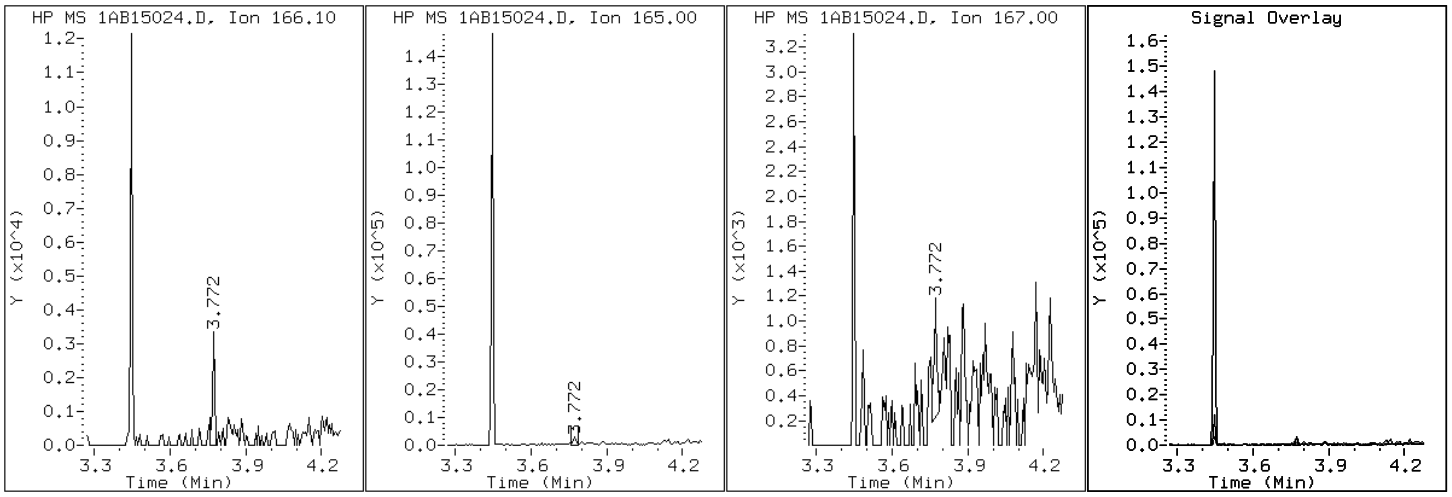
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

9 Fluorene



Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

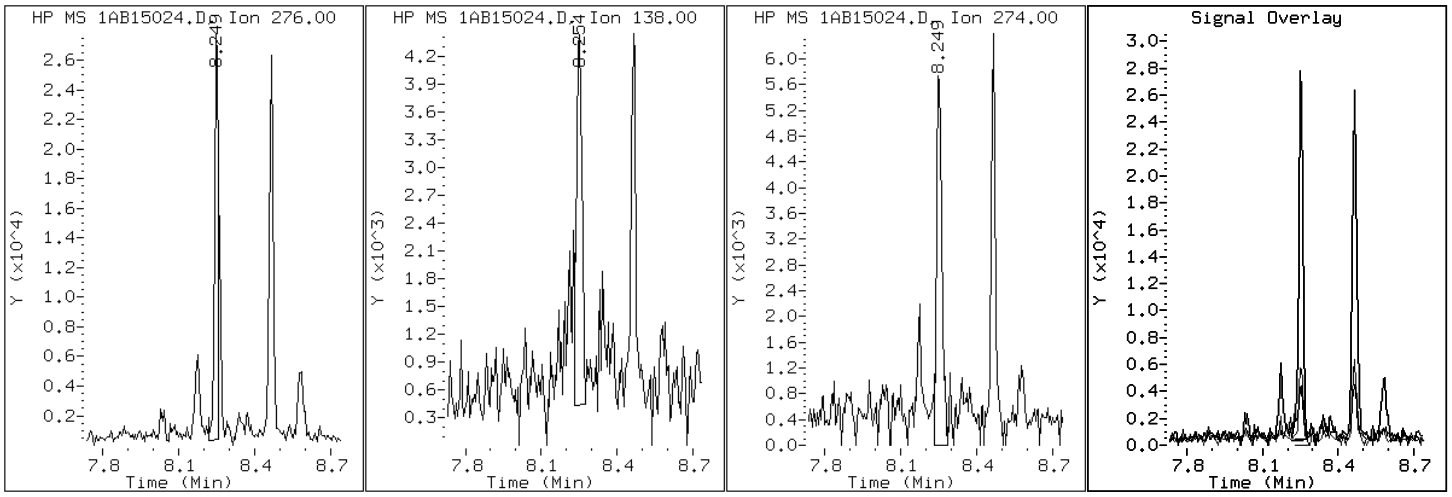
Client ID: CV0748AF-GS

Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a

Operator: SCC

24 Indeno(1,2,3-cd)pyrene



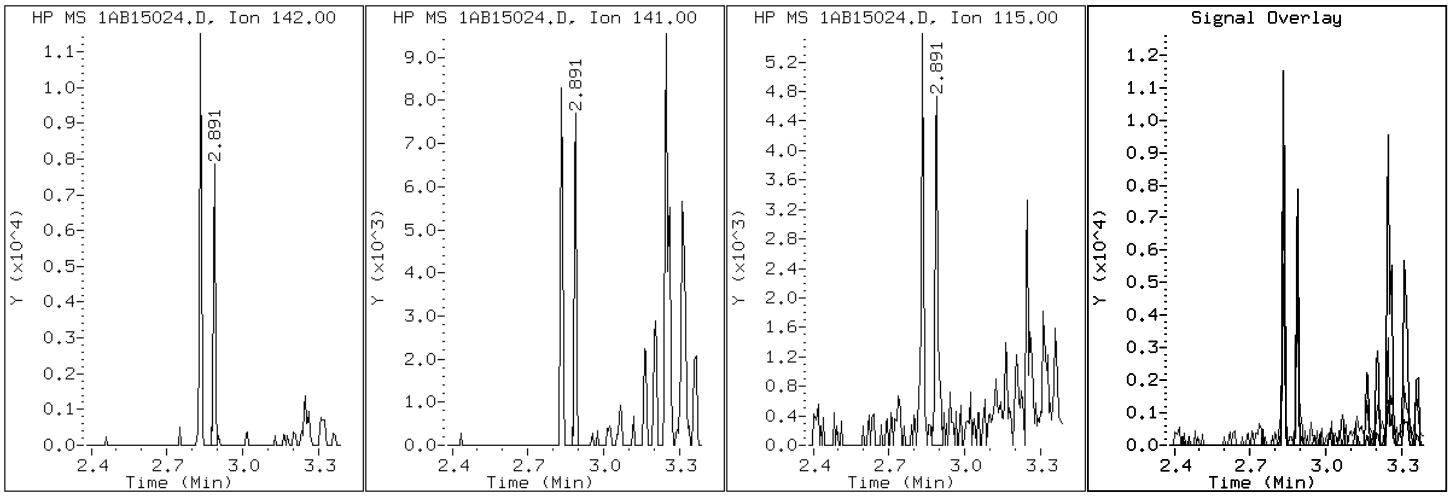
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

4 1-Methylnaphthalene



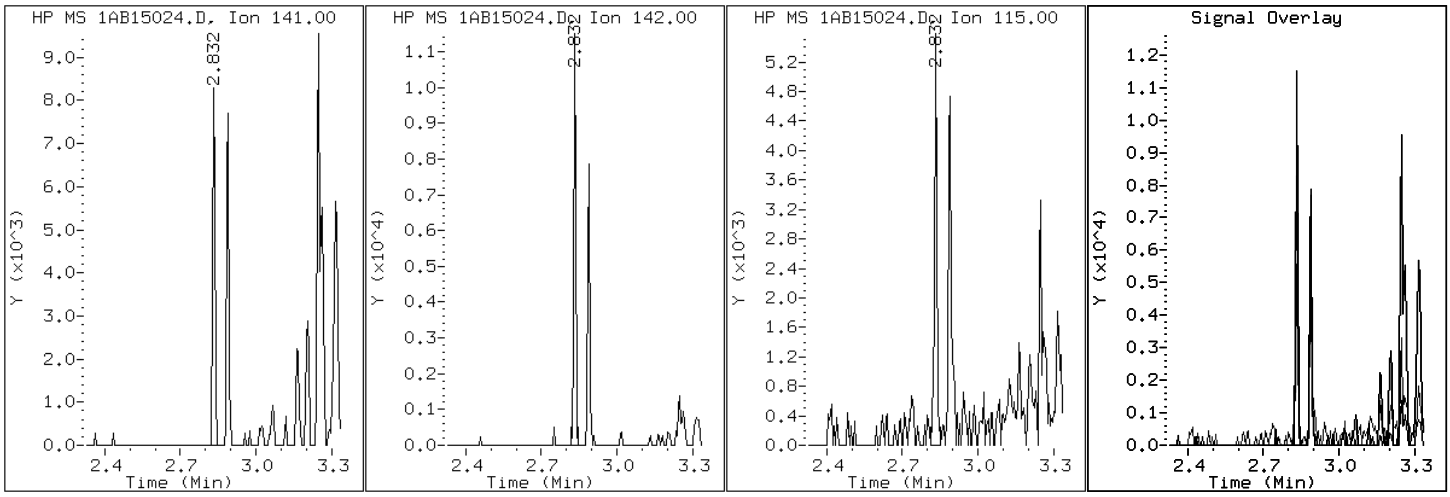
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

3 2-Methylnaphthalene



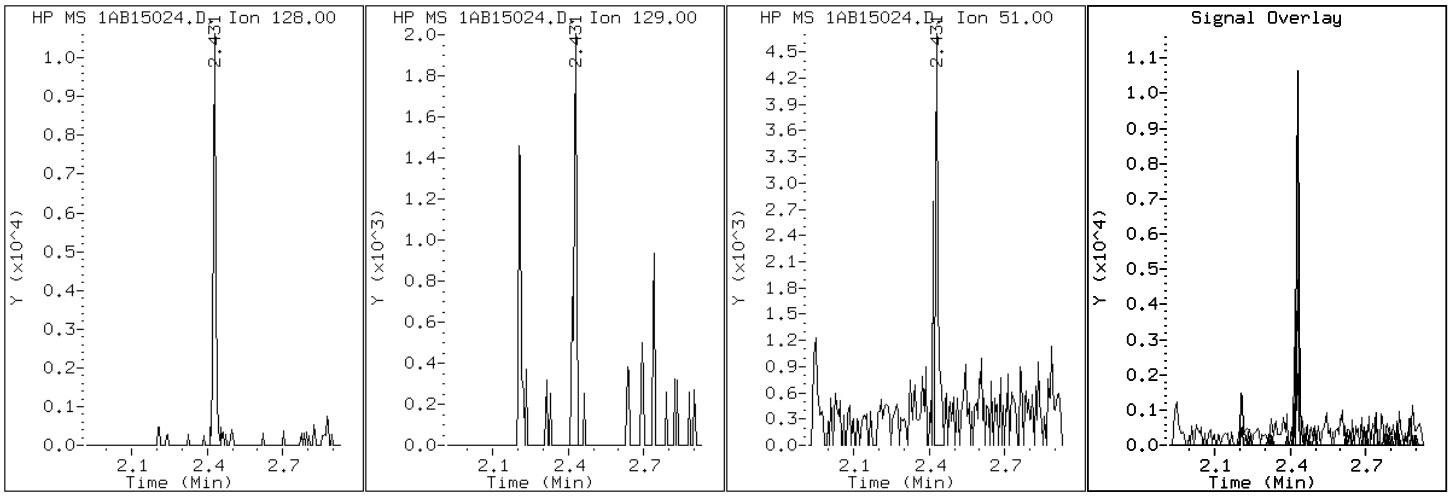
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

2 Naphthalene



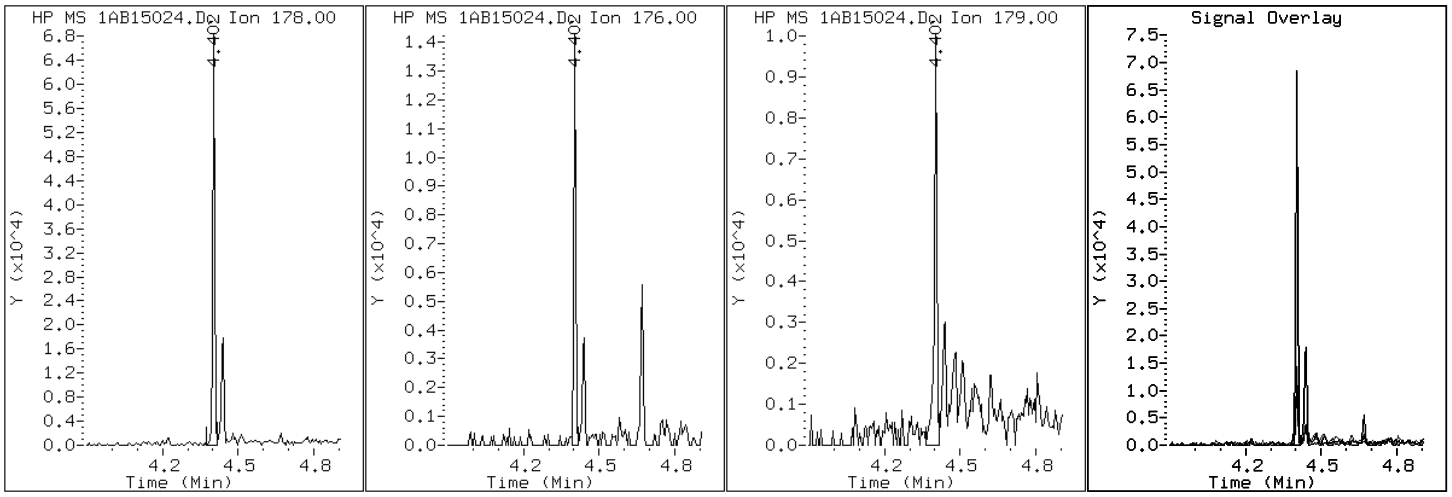
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS | Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a | Operator: SCC

11 Phenanthrene



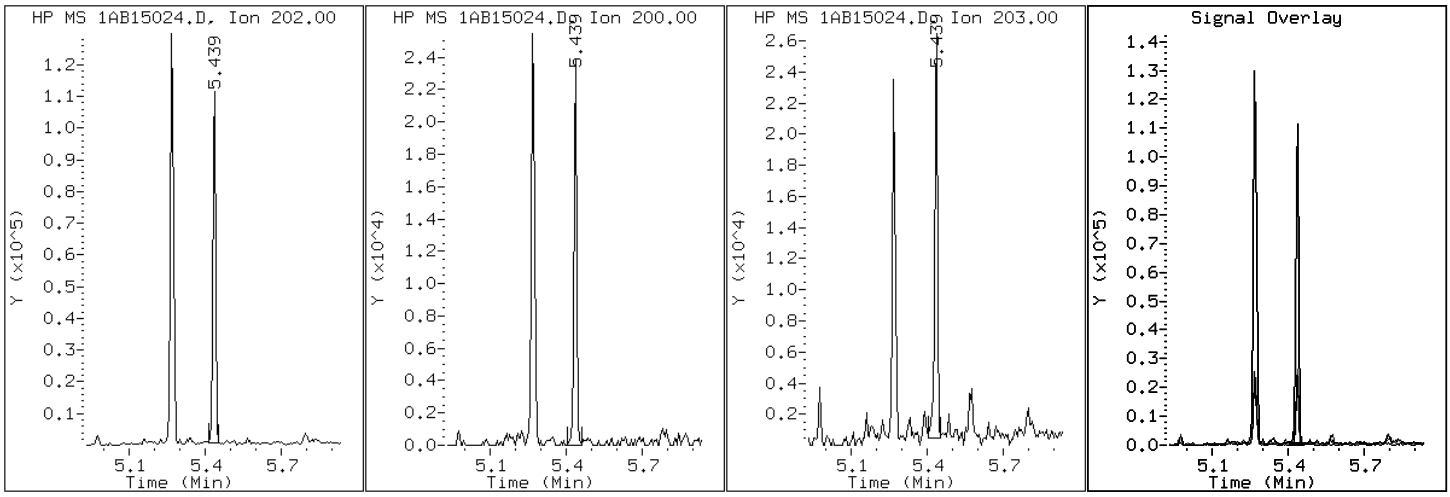
Data File: 1AB15024.D

Date: 15-FEB-2013 19:53

Client ID: CV0748AF-GS Instrument: BSMA5973.i

Sample Info: 680-87279-a-31-a Operator: SCC

16 Pyrene



Manual Integration Report

Data File: 1AB15024.D
Inj. Date and Time: 15-FEB-2013 19:53
Instrument ID: BSMA5973.i
Client ID: CV0748AF-GS
Compound: 20 Benzo(b)fluoranthene
CAS #: 205-99-2
Report Date: 02/18/2013

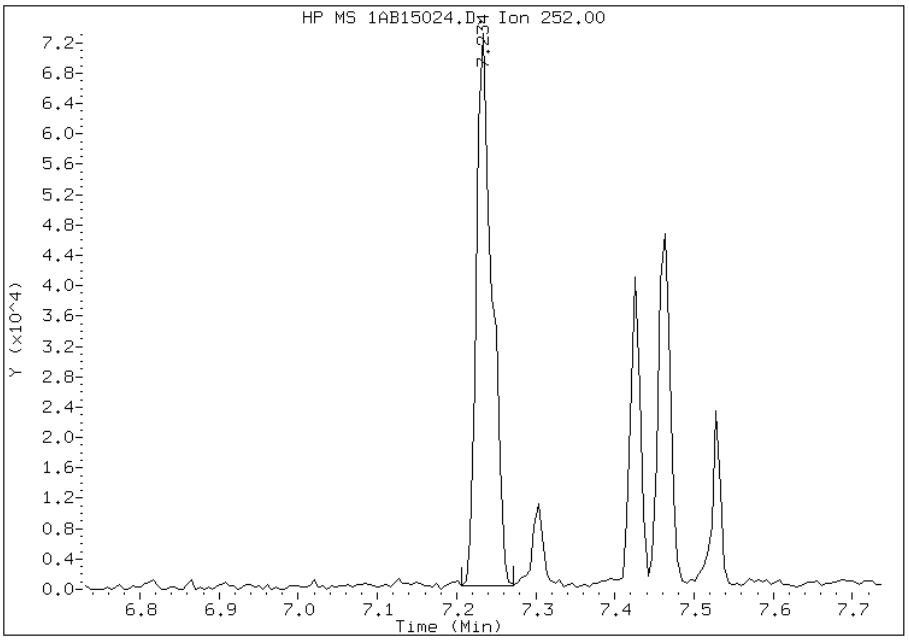
Processing Integration Results

RT: 7.23

Response: 98806

Amount: 4

Conc: 299



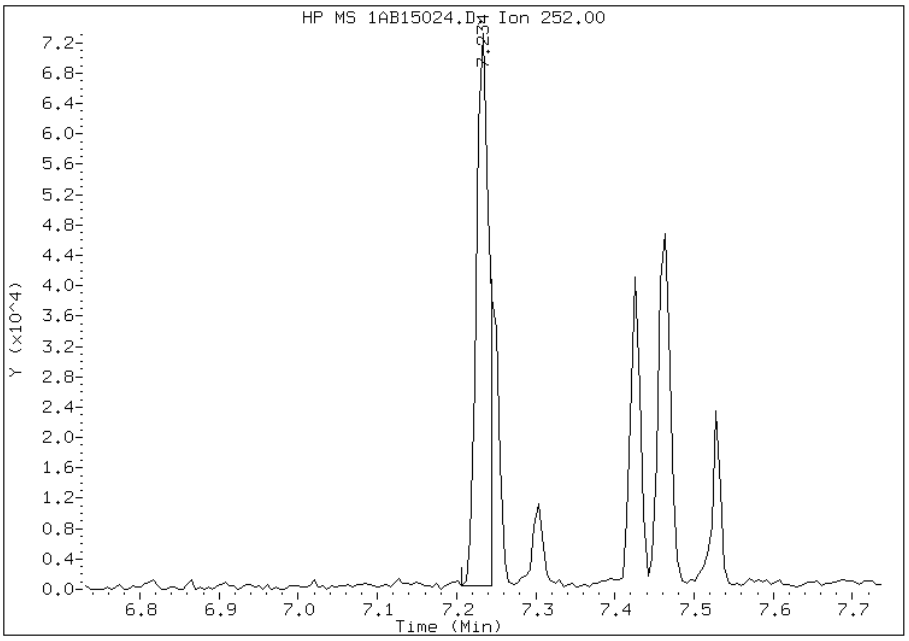
Manual Integration Results

RT: 7.23

Response: 81504

Amount: 4

Conc: 246



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:27
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1AB15024.D
Inj. Date and Time: 15-FEB-2013 19:53
Instrument ID: BSMA5973.i
Client ID: CV0748AF-GS
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 02/18/2013

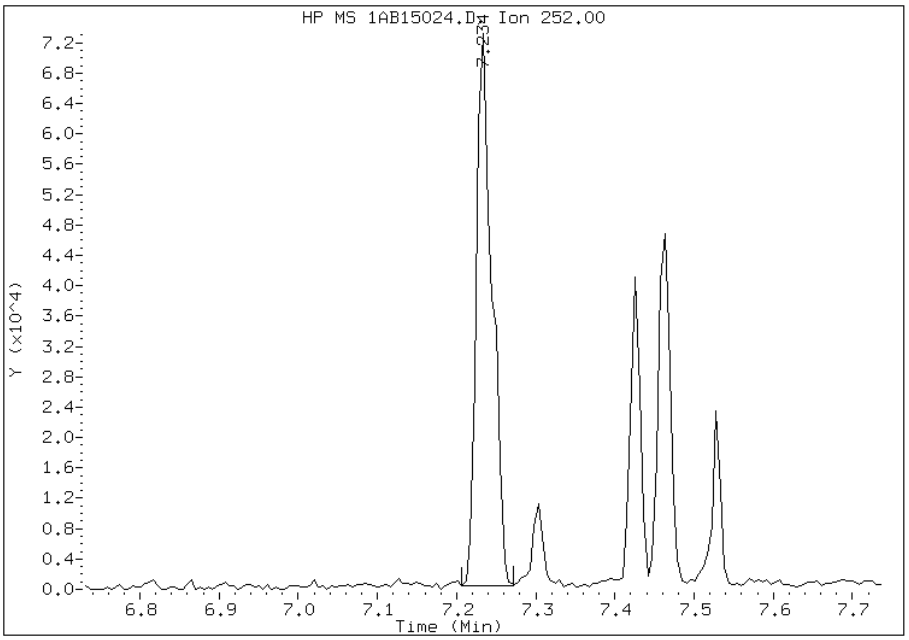
Processing Integration Results

RT: 7.23

Response: 98806

Amount: 4

Conc: 286



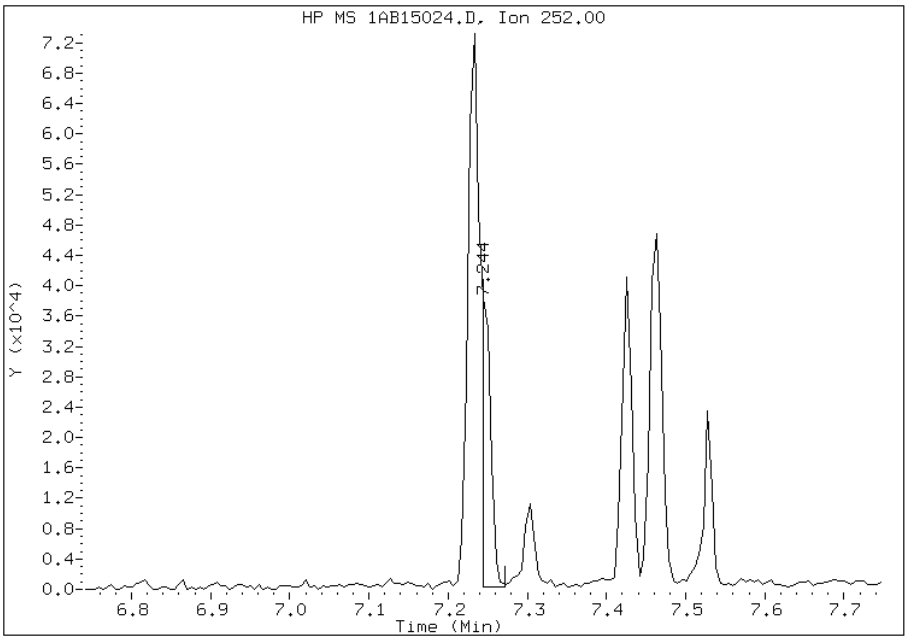
Manual Integration Results

RT: 7.24

Response: 29901

Amount: 1

Conc: 86



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:27
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AB15024.D
Inj. Date and Time: 15-FEB-2013 19:53
Instrument ID: BSMA5973.i
Client ID: CV0748AF-GS
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/18/2013

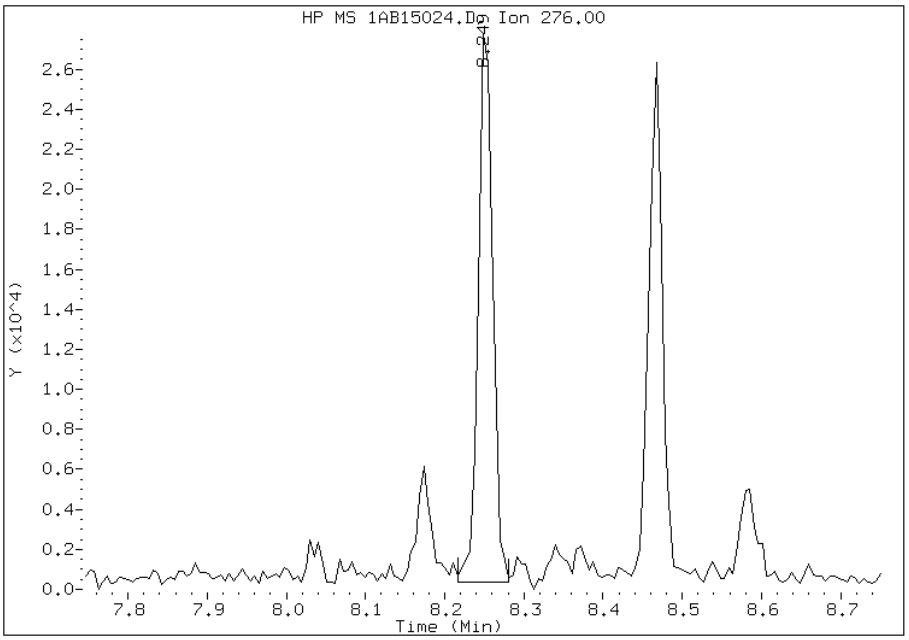
Processing Integration Results

RT: 8.25

Response: 34377

Amount: 2

Conc: 139



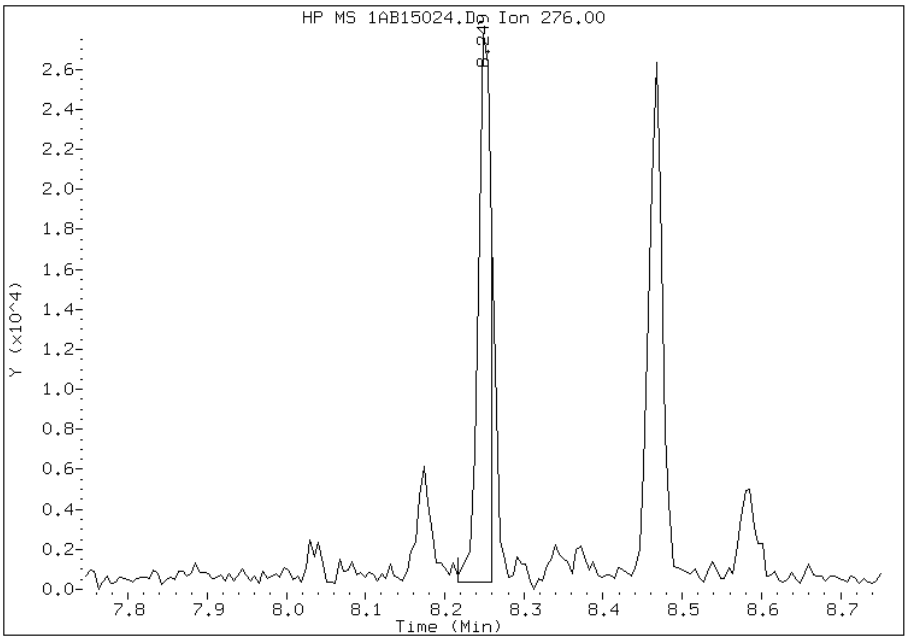
Manual Integration Results

RT: 8.25

Response: 30513

Amount: 2

Conc: 123



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:28
Manual Integration Reason: Split Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-87279-2 Analy Batch No.: 133924

SDG No.: 68087279-2

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250(um) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 11:38 Calibration End Date: 01/30/2013 13:20 Calibration ID: 2712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-133924/4	1AA30004.D
Level 2	IC 660-133924/5	1AA30005.D
Level 3	IC 660-133924/6	1AA30006.D
Level 4	IC 660-133924/7	1AA30007.D
Level 5	ICIS 660-133924/3	1AA30003.D
Level 6	IC 660-133924/8	1AA30008.D
Level 7	IC 660-133924/9	1AA30009.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	0.8691 1.0049	0.9779 0.9900	0.9957	0.9868	0.9720	Ave		0.9709			0.0000	4.8		15.0			
2-Methylnaphthalene	0.4405 0.5310	0.5425 0.5229	0.5533	0.5344	0.5162	Ave		0.5201			0.0000	7.1		15.0			
1-Methylnaphthalene	0.5799 0.5720	0.6359 0.5649	0.5884	0.6038	0.5766	Ave		0.5888			0.0000	4.1		15.0			
Acenaphthylene	1.8063 1.7961	1.7485 1.7517	1.7336	1.7759	1.7513	Ave		1.7662			0.0000	1.5		15.0			
Acenaphthene	0.8363 0.9749	1.0408 0.9370	0.9784	0.9922	0.9321	Ave		0.9559			0.0000	6.7		15.0			
Fluorene	1.2093 1.2053	1.1827 1.1841	1.2172	1.2123	1.2033	Ave		1.2020			0.0000	1.1		15.0			
Phenanthrene	1.1514 1.0704	1.1299 1.0364	1.1042	1.0910	1.0619	Ave		1.0922			0.0000	3.7		15.0			
Anthracene	1.1112 1.0910	1.1548 1.0728	1.1460	1.1218	1.0971	Ave		1.1135			0.0000	2.7		15.0			
Carbazole	0.9544 0.9635	0.9474 0.9325	0.9805	0.9504	0.9530	Ave		0.9545			0.0000	1.5		15.0			
Fluoranthene	1.0706 1.0987	1.0941 1.0549	1.0898	1.1074	1.0642	Ave		1.0828			0.0000	1.8		15.0			
Pyrene	1.4604 1.4486	1.4735 1.4287	1.4495	1.4522	1.3994	Ave		1.4446			0.0000	1.7		15.0			
Benzo[a]anthracene	1.8736 1.2185	1.3140 1.1887	1.2043	1.2254	1.1641	LinF		1.1943			0.0000				0.9996		0.9900
Chrysene	1.2214 1.1280	1.2208 1.1199	1.1854	1.1445	1.1290	Ave		1.1642			0.0000	3.8		15.0			
Benzo[b]fluoranthene	0.8835 1.1569	1.1859 1.1686	1.0690	1.1835	1.1674	Ave		1.1164			0.0000	9.9		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-87279-2 Analy Batch No.: 133924

SDG No.: 68087279-2

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250(um) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 11:38 Calibration End Date: 01/30/2013 13:20 Calibration ID: 2712

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[k]fluoranthene	1.3342 1.1629	1.1471 1.0500	1.2419	1.1682	1.0664	Ave		1.1672			0.0000	8.4		15.0			
Benzo[a]pyrene	1.0378 1.0773	1.0634 1.0590	1.0649	1.0975	1.0213	Ave		1.0602			0.0000	2.4		15.0			
Indeno[1,2,3-cd]pyrene	0.7463 0.8627	0.8312 0.8416	0.8499	0.8359	0.8924	Ave		0.8371			0.0000	5.4		15.0			
Dibenz(a,h)anthracene	0.8535 0.8371	0.8458 0.8214	0.8193	0.8495	0.8317	Ave		0.8369			0.0000	1.6		15.0			
Benzo[g,h,i]perylene	0.8260 0.8801	0.8693 0.8717	0.8470	0.8981	0.8787	Ave		0.8673			0.0000	2.7		15.0			
o-Terphenyl	0.6160 0.5745	0.5755 0.5632	0.5719	0.5995	0.5679	Ave		0.5812			0.0000	3.3		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-87279-2 Analy Batch No.: 133924

SDG No.: 68087279-2

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250(um) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 11:38 Calibration End Date: 01/30/2013 13:20 Calibration ID: 2712

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-133924/4	1AA30004.D
Level 2	IC 660-133924/5	1AA30005.D
Level 3	IC 660-133924/6	1AA30006.D
Level 4	IC 660-133924/7	1AA30007.D
Level 5	ICIS 660-133924/3	1AA30003.D
Level 6	IC 660-133924/8	1AA30008.D
Level 7	IC 660-133924/9	1AA30009.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Naphthalene	NPT	Ave	6607 931156	30367 1392262	157606	301178	659441	0.200 30.0	1.00 50.0	5.00	10.0	20.0
2-Methylnaphthalene	NPT	Ave	3349 492071	16848 735363	87583	163104	350225	0.200 30.0	1.00 50.0	5.00	10.0	20.0
1-Methylnaphthalene	NPT	Ave	4409 530019	19749 794373	93134	184298	391143	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthylene	ANT	Ave	8115 932857	32040 1380232	163466	310278	673599	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthene	ANT	Ave	3757 506350	19071 738267	92259	173347	358522	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluorene	ANT	Ave	5433 626008	21671 932971	114770	211811	462830	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Phenanthrene	PHN	Ave	7708 845549	30365 1235274	153087	280076	620739	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Anthracene	PHN	Ave	7439 861847	31036 1278708	158879	287973	641280	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Carbazole	PHN	Ave	6389 761082	25461 1111447	135929	243964	557093	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluoranthene	PHN	Ave	7167 867897	29405 1257334	151084	284287	622099	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Pyrene	CRY	Ave	7924 909822	32526 1318254	165790	301919	659745	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[a]anthracene	CRY	LinF	10166 765266	29004 1096876	137745	254775	548828	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Chrysene	CRY	Ave	6627 708484	26947 1033398	135587	237952	532301	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[b]fluoranthene	PRY	Ave	4560 708379	25297 1080002	117636	238908	520719	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[k]fluoranthene	PRY	Ave	6886 712080	24469 970372	136662	235819	475653	0.200 30.0	1.00 50.0	5.00	10.0	20.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-87279-2 Analy Batch No.: 133924

SDG No.: 68087279-2

Instrument ID: BSMA5973 GC Column: DB-5MS ID: 250(um) Heated Purge: (Y/N) N

Calibration Start Date: 01/30/2013 11:38 Calibration End Date: 01/30/2013 13:20 Calibration ID: 2712

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzo[a]pyrene	PRY	Ave	5356 659672	22683 978664	117182	221540	455561	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	3852 528224	17731 777793	93523	168724	398038	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Dibenz(a,h)anthracene	PRY	Ave	4405 512548	18042 759088	90159	171475	370987	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[g,h,i]perylene	PRY	Ave	4263 538912	18543 805634	93202	181282	391957	0.200 30.0	1.00 50.0	5.00	10.0	20.0
o-Terphenyl	PHN	Ave	4124 453816	15467 671289	79289	153886	331984	0.200 30.0	1.00 50.0	5.00	10.0	20.0

Curve Type Legend:

Ave = Average ISTD
LinF = Linear ISTD forced zero

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\1AA30003.D
Lab Smp Id: ICIS-1489898
Inj Date : 30-JAN-2013 11:38
Operator : SCC Inst ID: BSMA5973.i
Smp Info : ICIS-1489898
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\a-bFASTPAHi-m.m
Meth Date : 30-Jan-2013 13:33 BSMA5973.i Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 3 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.508	2.508	(1.000)	1356829	40.0000	
* 6 Acenaphthene-d10	164	3.539	3.539	(1.000)	769245	40.0000	
* 10 Phenanthrene-d10	188	4.501	4.501	(1.000)	1169097	40.0000	
$ 14 o-Terphenyl	230	4.779	4.779	(1.062)	331984	20.0000	19.5427
* 18 Chrysene-d12	240	6.536	6.536	(1.000)	942927	40.0000	
* 23 Perylene-d12	264	7.637	7.637	(1.000)	892108	40.0000	
2 Naphthalene	128	2.519	2.519	(1.004)	659441	20.0000	20.0234
3 2-Methylnaphthalene	141	2.925	2.925	(1.166)	350225	20.0000	19.8505
4 1-Methylnaphthalene	142	2.978	2.978	(1.187)	391143	20.0000	19.5846
5 Acenaphthylene	152	3.454	3.454	(0.976)	673599	20.0000	19.8314
7 Acenaphthene	154	3.555	3.555	(1.005)	358522	20.0000	19.5019
9 Fluorene	166	3.871	3.871	(1.094)	462830	20.0000	20.0218
11 Phenanthrene	178	4.517	4.517	(1.004)	620739	20.0000	19.4458
12 Anthracene	178	4.549	4.549	(1.011)	641280	20.0000	19.7039
13 Carbazole	167	4.704	4.704	(1.045)	557093	20.0000	19.9690
15 Fluoranthene	202	5.388	5.388	(1.197)	622099	20.0000	19.6567
16 Pyrene	202	5.559	5.559	(0.850)	659745	20.0000	19.3736
17 Benzo(a)anthracene	228	6.531	6.531	(0.999)	548828	20.0000	19.4934
19 Chrysene	228	6.558	6.558	(1.003)	532301	20.0000	19.3967
20 Benzo(b)fluoranthene	252	7.359	7.359	(0.964)	520719	20.0000	20.9132
21 Benzo(k)fluoranthene	252	7.380	7.380	(0.966)	475653	20.0000	18.2713
22 Benzo(a)pyrene	252	7.594	7.594	(0.994)	455561	20.0000	19.2671
24 Indeno(1,2,3-cd)pyrene	276	8.427	8.427	(1.104)	398038	20.0000	21.3193(M)
25 Dibenzo(a,h)anthracene	278	8.443	8.443	(1.106)	370987	20.0000	19.8762
26 Benzo(g,h,i)perylene	276	8.657	8.657	(1.134)	391957	20.0000	20.2641

QC Flag Legend

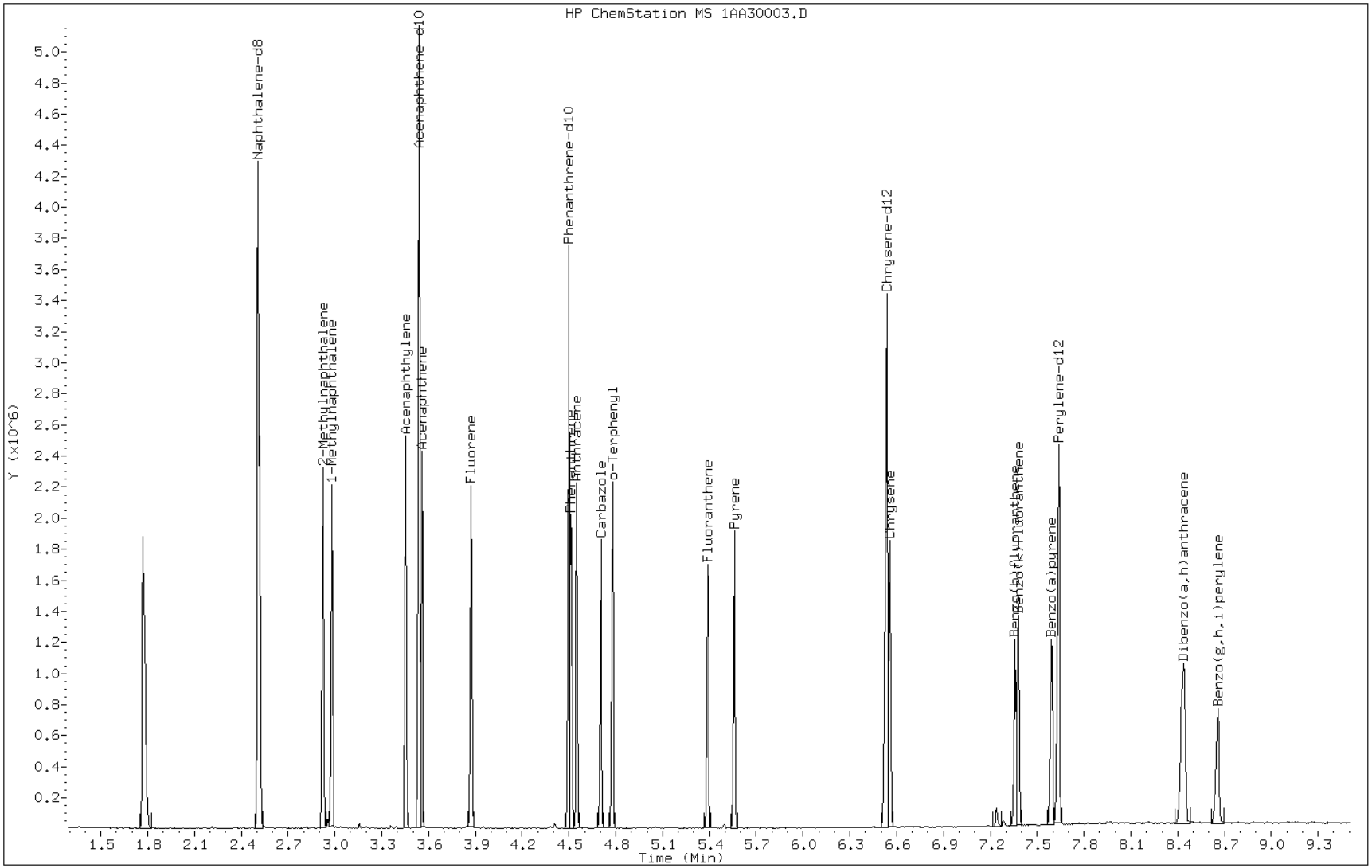
M - Compound response manually integrated.

Data File: 1AA30003.D

Date: 30-JAN-2013 11:38

Client ID: Instrument: BSMA5973.i

Sample Info: ICIS-1489898 Operator: SCC



Manual Integration Report

Data File: 1AA30003.D
Inj. Date and Time: 30-JAN-2013 11:38
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/30/2013

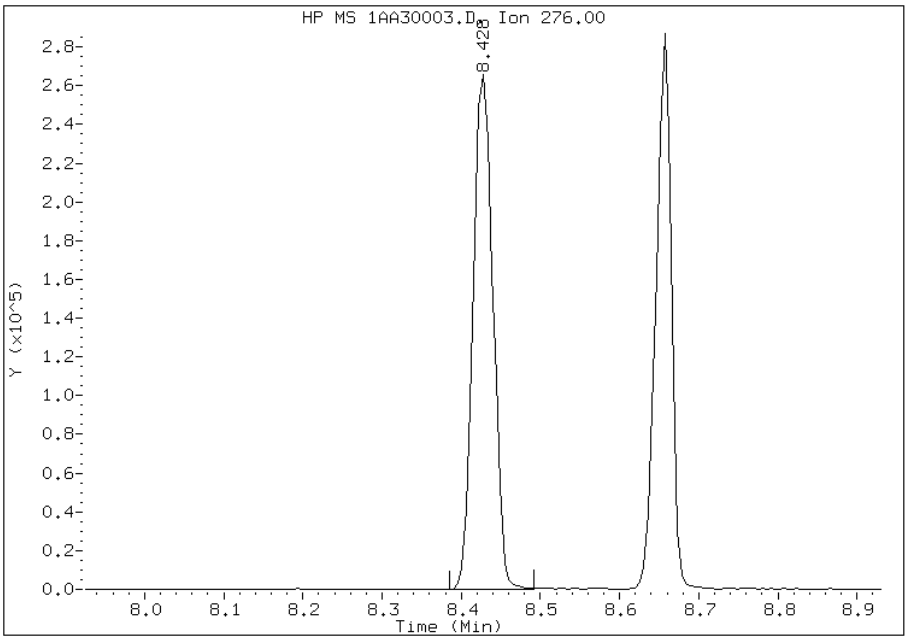
Processing Integration Results

RT: 8.43

Response: 458405

Amount: 22

Conc: 22



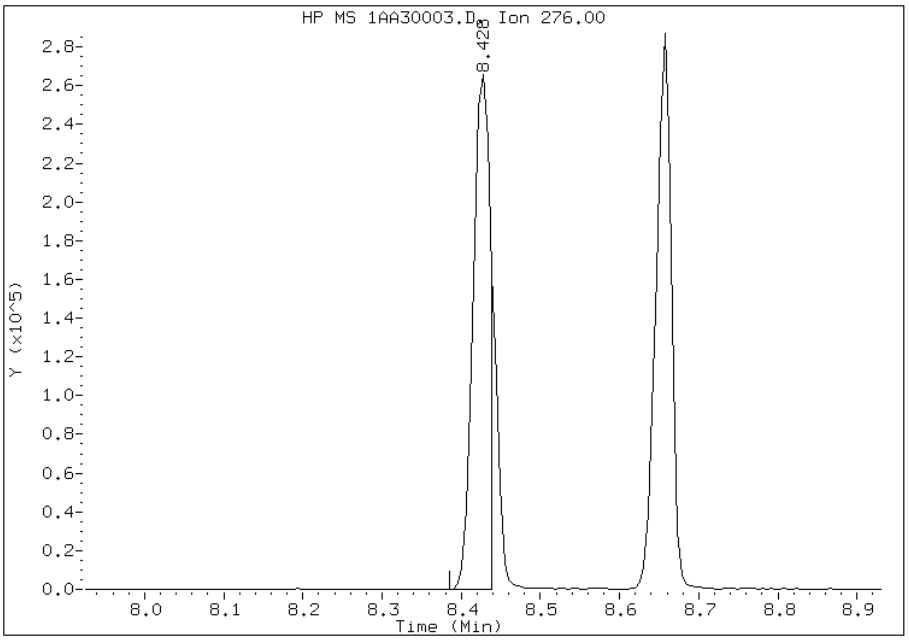
Manual Integration Results

RT: 8.43

Response: 398038

Amount: 21

Conc: 21



Manually Integrated By: cantins
Modification Date: 30-Jan-2013 12:17
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\1AA30004.D
Lab Smp Id: IC-1489894
Inj Date : 30-JAN-2013 12:04
Operator : SCC Inst ID: BSMA5973.i
Smp Info : IC-1489894
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\a-bFASTPAHi-m.m
Meth Date : 30-Jan-2013 13:33 BSMA5973.i Quant Type: ISTD
Cal Date : 30-JAN-2013 11:38 Cal File: 1AA30003.D
Als bottle: 4 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.508	2.508	(1.000)	1520482	40.0000	
* 6 Acenaphthene-d10	164	3.539	3.539	(1.000)	898530	40.0000	
* 10 Phenanthrene-d10	188	4.501	4.501	(1.000)	1338880	40.0000	
$ 14 o-Terphenyl	230	4.779	4.779	(1.062)	4124	0.20000	0.2119
* 18 Chrysene-d12	240	6.536	6.536	(1.000)	1085169	40.0000	
* 23 Perylene-d12	264	7.647	7.637	(1.000)	1032233	40.0000	
2 Naphthalene	128	2.519	2.519	(1.004)	6607	0.20000	0.1790
3 2-Methylnaphthalene	141	2.925	2.925	(1.166)	3349	0.20000	0.1693
4 1-Methylnaphthalene	142	2.978	2.978	(1.187)	4409	0.20000	0.1969
5 Acenaphthylene	152	3.454	3.454	(0.976)	8115	0.20000	0.2045
7 Acenaphthene	154	3.555	3.555	(1.005)	3757	0.20000	0.1749
9 Fluorene	166	3.870	3.871	(1.094)	5433	0.20000	0.2012
11 Phenanthrene	178	4.512	4.517	(1.002)	7708	0.20000	0.2108(M)
12 Anthracene	178	4.549	4.549	(1.011)	7439	0.20000	0.1995
13 Carbazole	167	4.704	4.704	(1.045)	6389	0.20000	0.1999
15 Fluoranthene	202	5.388	5.388	(1.197)	7167	0.20000	0.1977
16 Pyrene	202	5.559	5.559	(0.850)	7924	0.20000	0.2021
17 Benzo(a)anthracene	228	6.531	6.531	(0.999)	10166	0.20000	0.3137
19 Chrysene	228	6.552	6.558	(1.002)	6627	0.20000	0.2098
20 Benzo(b)fluoranthene	252	7.359	7.359	(0.962)	4560	0.20000	0.1582(H)
21 Benzo(k)fluoranthene	252	7.375	7.380	(0.964)	6886	0.20000	0.2286
22 Benzo(a)pyrene	252	7.594	7.594	(0.993)	5356	0.20000	0.1957
24 Indeno(1,2,3-cd)pyrene	276	8.433	8.427	(1.103)	3852	0.20000	0.1783(M)
25 Dibenzo(a,h)anthracene	278	8.443	8.443	(1.104)	4405	0.20000	0.2039
26 Benzo(g,h,i)perylene	276	8.657	8.657	(1.132)	4263	0.20000	0.1904

QC Flag Legend

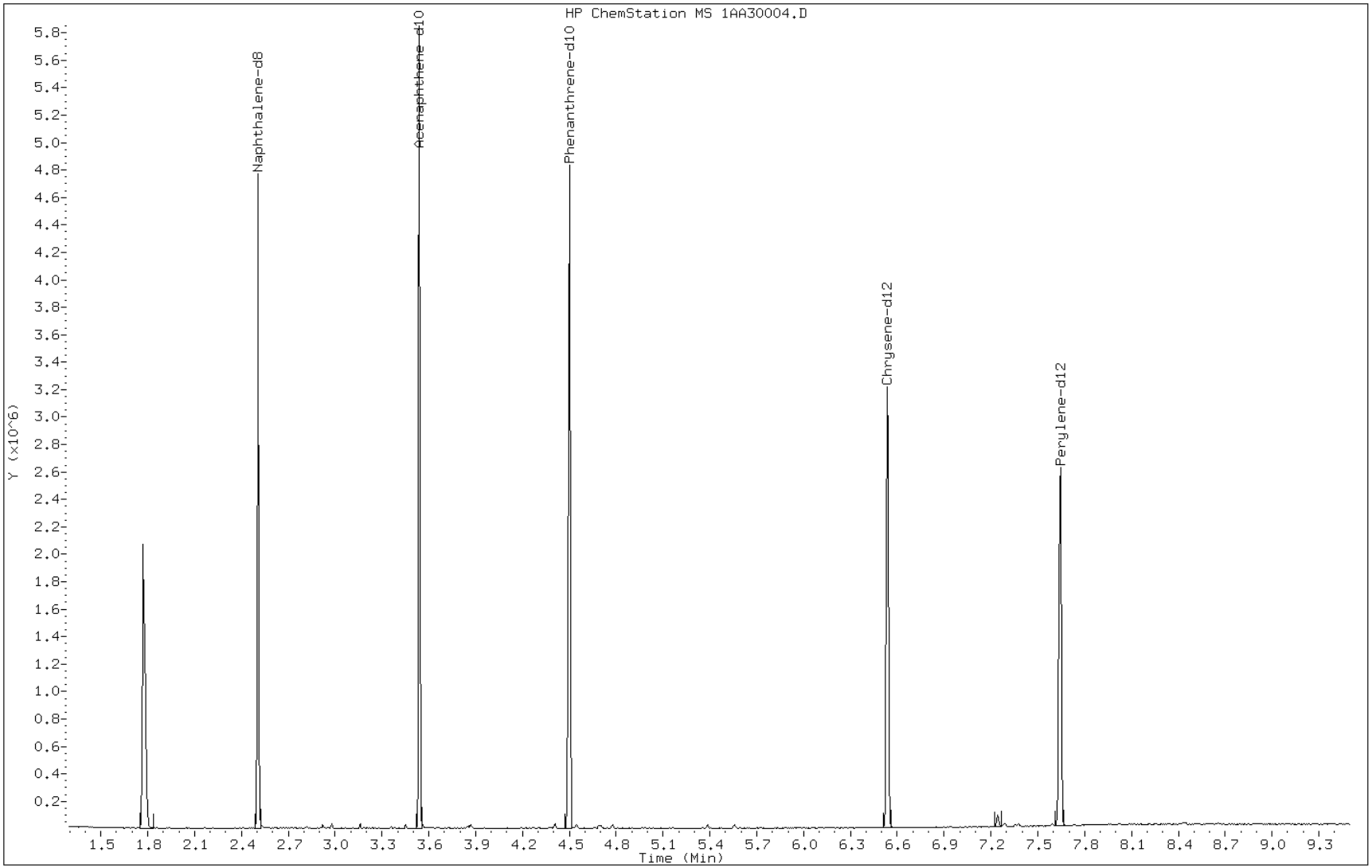
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: 1AA30004.D

Date: 30-JAN-2013 12:04

Client ID: Instrument: BSMA5973.i

Sample Info: IC-1489894 Operator: SCC



Manual Integration Report

Data File: 1AA30004.D
Inj. Date and Time: 30-JAN-2013 12:04
Instrument ID: BSMA5973.i
Client ID:
Compound: 11 Phenanthrene
CAS #: 85-01-8
Report Date: 01/30/2013

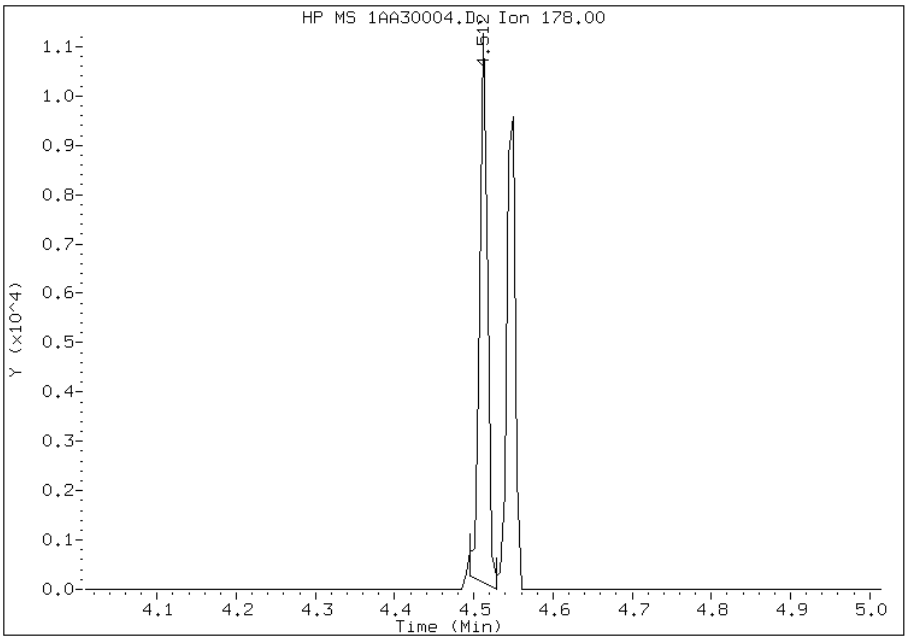
Processing Integration Results

RT: 4.51

Response: 7417

Amount: 0

Conc: 0



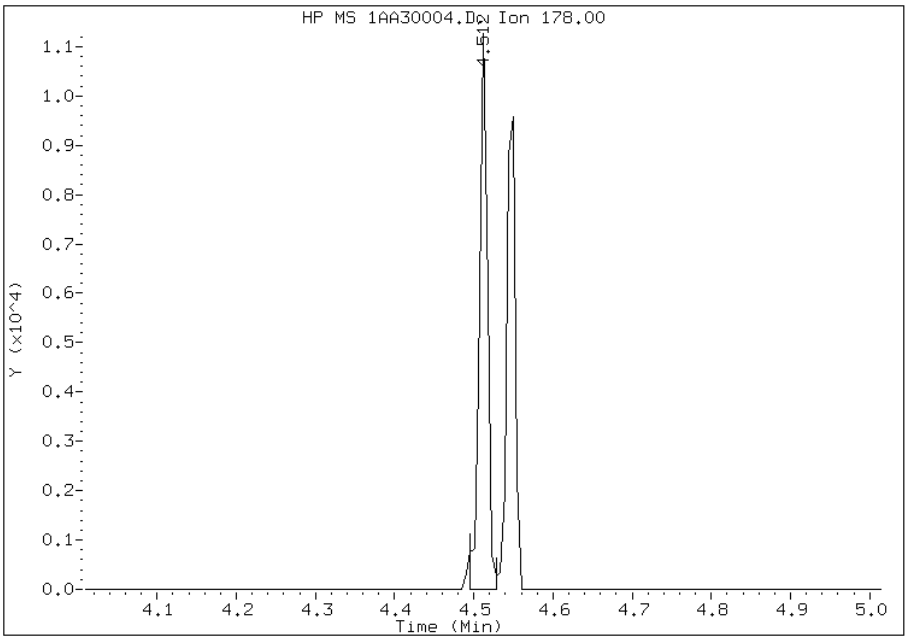
Manual Integration Results

RT: 4.51

Response: 7708

Amount: 0

Conc: 0



Manually Integrated By: cantins
Modification Date: 30-Jan-2013 13:28
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AA30004.D
Inj. Date and Time: 30-JAN-2013 12:04
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/30/2013

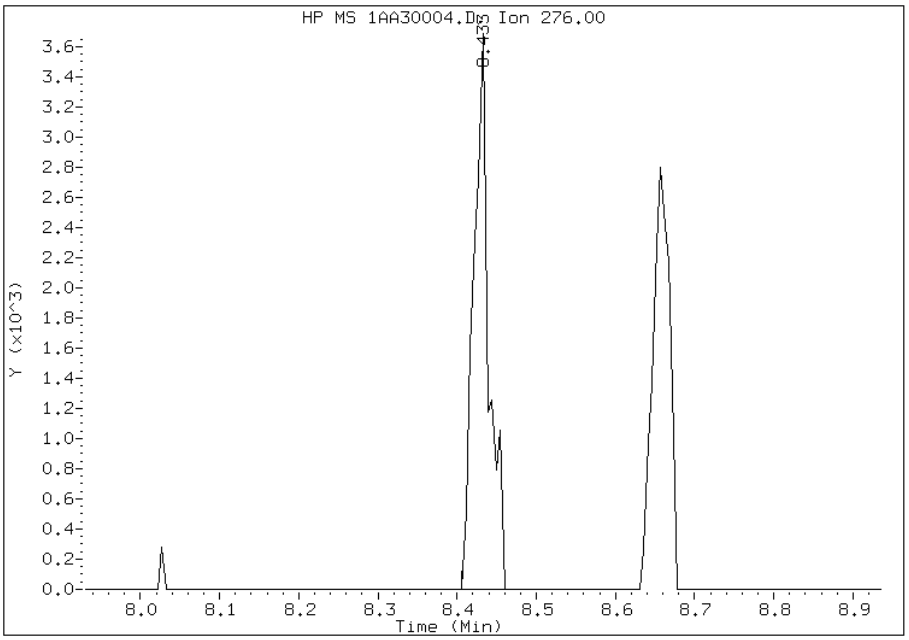
Processing Integration Results

RT: 8.43

Response: 4847

Amount: 0

Conc: 0



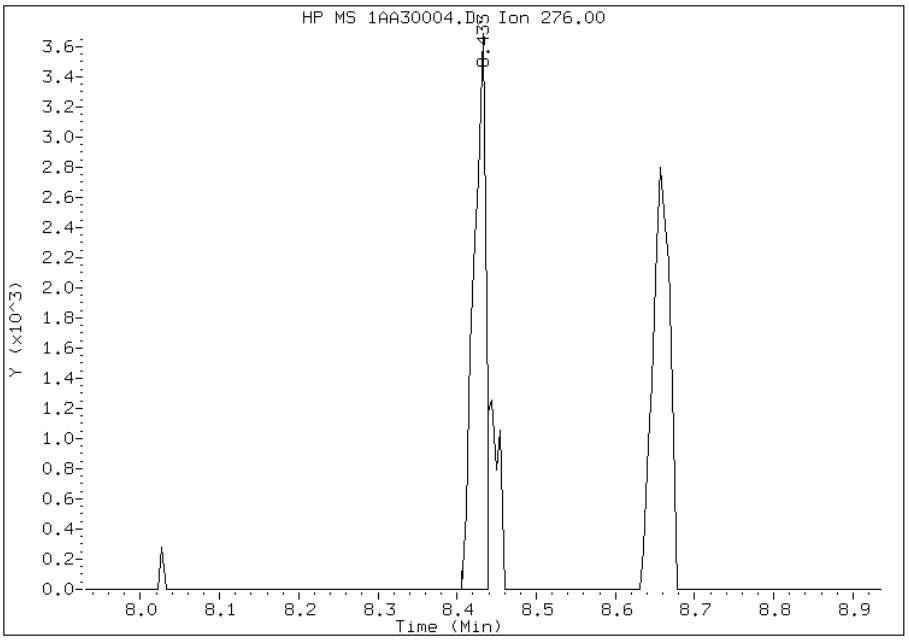
Manual Integration Results

RT: 8.43

Response: 3852

Amount: 0

Conc: 0



Manually Integrated By: cantins
Modification Date: 30-Jan-2013 13:28
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\1AA30005.D
Lab Smp Id: IC-1489895
Inj Date : 30-JAN-2013 12:19
Operator : SCC Inst ID: BSMA5973.i
Smp Info : IC-1489895
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\a-bFASTPAHi-m.m
Meth Date : 30-Jan-2013 13:33 BSMA5973.i Quant Type: ISTD
Cal Date : 30-JAN-2013 12:04 Cal File: 1AA30004.D
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.505	2.508	(1.000)	1242193	40.0000	
* 6 Acenaphthene-d10	164	3.536	3.539	(1.000)	732960	40.0000	
* 10 Phenanthrene-d10	188	4.498	4.501	(1.000)	1075002	40.0000	
$ 14 o-Terphenyl	230	4.776	4.779	(1.062)	15467	1.00000	0.9901
* 18 Chrysene-d12	240	6.533	6.536	(1.000)	882947	40.0000	
* 23 Perylene-d12	264	7.634	7.637	(1.000)	853244	40.0000	
2 Naphthalene	128	2.516	2.519	(1.004)	30367	1.00000	1.0071
3 2-Methylnaphthalene	141	2.922	2.925	(1.166)	16848	1.00000	1.0430
4 1-Methylnaphthalene	142	2.976	2.978	(1.188)	19749	1.00000	1.0800
5 Acenaphthylene	152	3.451	3.454	(0.976)	32040	1.00000	0.9899
7 Acenaphthene	154	3.552	3.555	(1.005)	19071	1.00000	1.0887
9 Fluorene	166	3.868	3.871	(1.094)	21671	1.00000	0.9838
11 Phenanthrene	178	4.509	4.517	(1.002)	30365	1.00000	1.0345
12 Anthracene	178	4.546	4.549	(1.011)	31036	1.00000	1.0370
13 Carbazole	167	4.701	4.704	(1.045)	25461	1.00000	0.9925
15 Fluoranthene	202	5.385	5.388	(1.197)	29405	1.00000	1.0104
16 Pyrene	202	5.556	5.559	(0.850)	32526	1.00000	1.0200
17 Benzo(a)anthracene	228	6.523	6.531	(0.998)	29004	1.00000	1.1001
19 Chrysene	228	6.549	6.558	(1.002)	26947	1.00000	1.0486
20 Benzo(b)fluoranthene	252	7.351	7.359	(0.963)	25297	1.00000	1.0622
21 Benzo(k)fluoranthene	252	7.372	7.380	(0.966)	24469	1.00000	0.9827
22 Benzo(a)pyrene	252	7.586	7.594	(0.994)	22683	1.00000	1.0030
24 Indeno(1,2,3-cd)pyrene	276	8.408	8.427	(1.101)	17731	1.00000	0.9929(M)
25 Dibenzo(a,h)anthracene	278	8.425	8.443	(1.104)	18042	1.00000	1.0106
26 Benzo(g,h,i)perylene	276	8.638	8.657	(1.132)	18543	1.00000	1.0023

QC Flag Legend

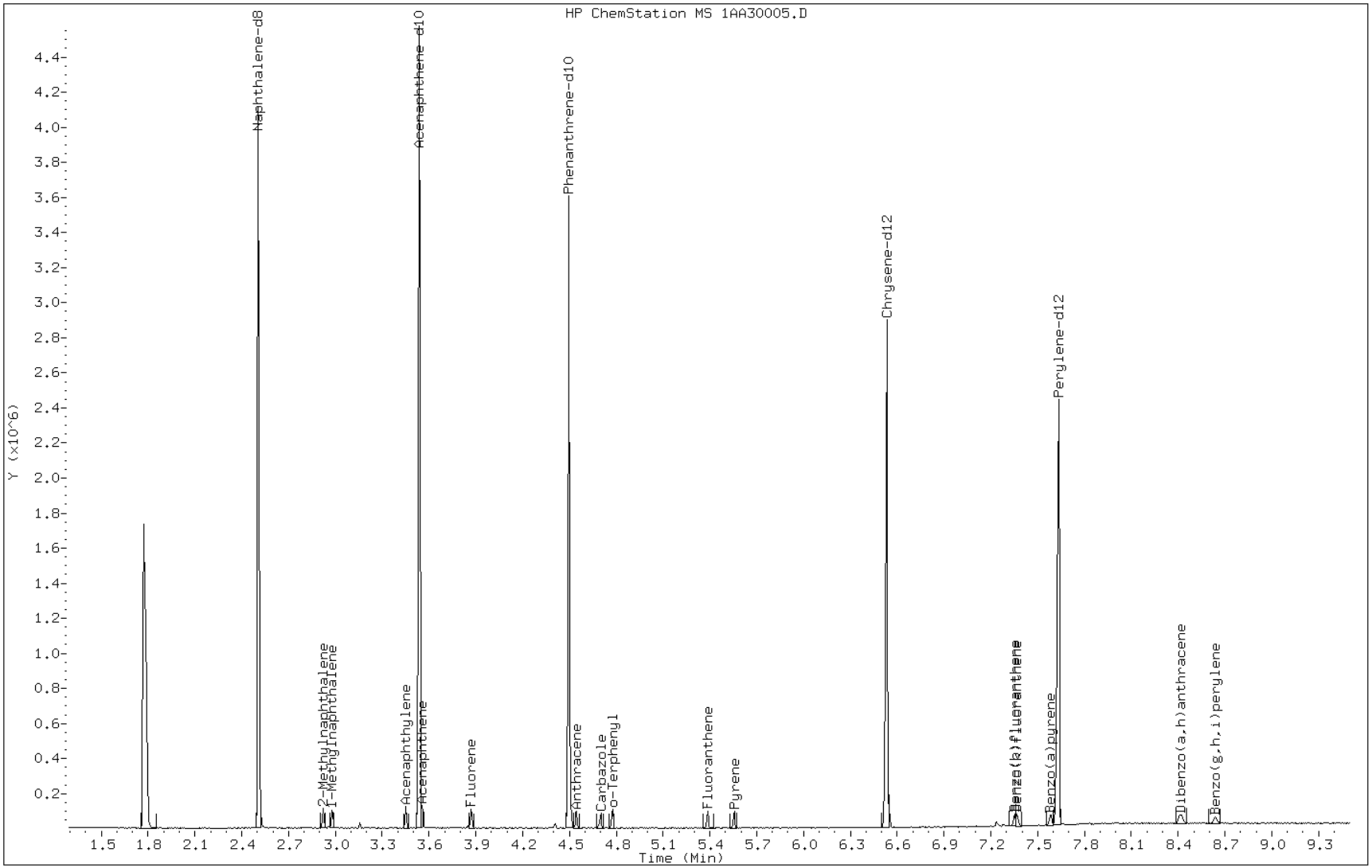
M - Compound response manually integrated.

Data File: 1AA30005.D

Date: 30-JAN-2013 12:19

Client ID: Instrument: BSMA5973.i

Sample Info: IC-1489895 Operator: SCC



Manual Integration Report

Data File: 1AA30005.D
Inj. Date and Time: 30-JAN-2013 12:19
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/30/2013

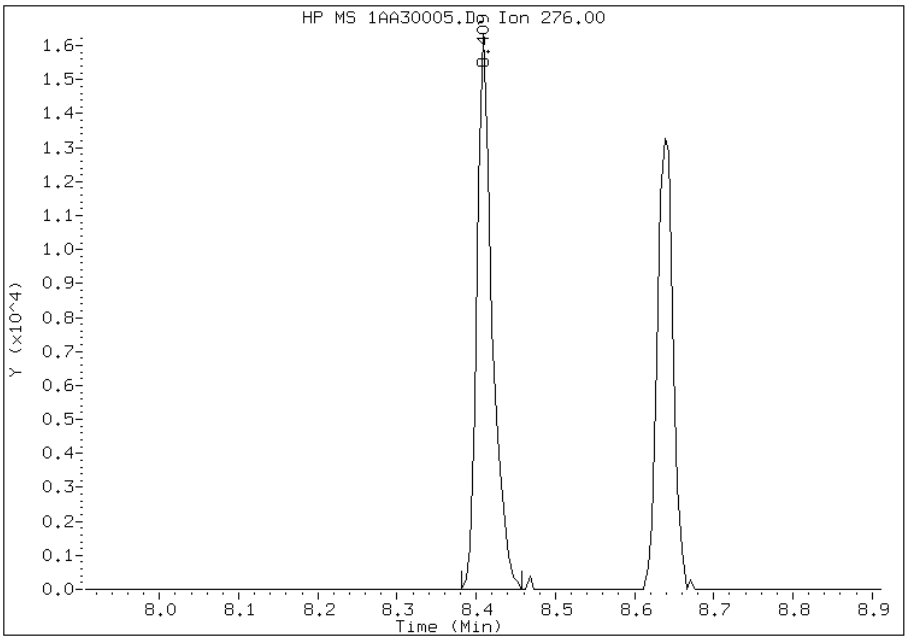
Processing Integration Results

RT: 8.41

Response: 21625

Amount: 1

Conc: 1



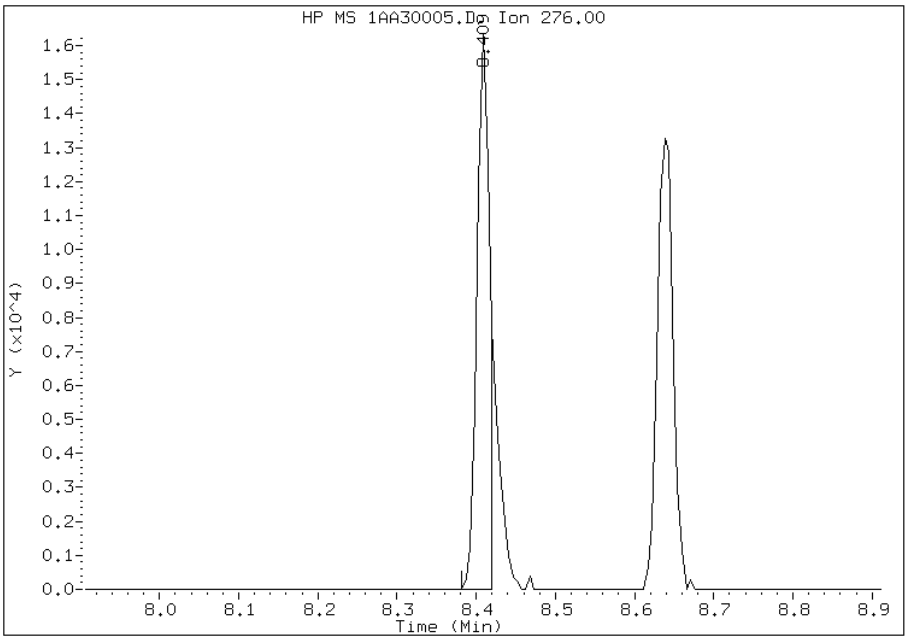
Manual Integration Results

RT: 8.41

Response: 17731

Amount: 1

Conc: 1



Manually Integrated By: cantins
Modification Date: 30-Jan-2013 13:29
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\1AA30006.D
Lab Smp Id: IC-1489896
Inj Date : 30-JAN-2013 12:34
Operator : SCC Inst ID: BSMA5973.i
Smp Info : IC-1489896
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\a-bFASTPAHi-m.m
Meth Date : 30-Jan-2013 13:33 BSMA5973.i Quant Type: ISTD
Cal Date : 30-JAN-2013 12:19 Cal File: 1AA30005.D
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.509	2.508	(1.000)	1266331	40.0000	
* 6 Acenaphthene-d10	164	3.540	3.539	(1.000)	754333	40.0000	
* 10 Phenanthrene-d10	188	4.496	4.501	(1.000)	1109110	40.0000	
$ 14 o-Terphenyl	230	4.774	4.779	(1.062)	79289	5.00000	4.9199
* 18 Chrysene-d12	240	6.532	6.536	(1.000)	915040	40.0000	
* 23 Perylene-d12	264	7.632	7.637	(1.000)	880349	40.0000	
2 Naphthalene	128	2.520	2.519	(1.004)	157606	5.00000	5.1275
3 2-Methylnaphthalene	141	2.920	2.925	(1.164)	87583	5.00000	5.3189
4 1-Methylnaphthalene	142	2.979	2.978	(1.187)	93134	5.00000	4.9965
5 Acenaphthylene	152	3.455	3.454	(0.976)	163466	5.00000	4.9077
7 Acenaphthene	154	3.556	3.555	(1.005)	92259	5.00000	5.1176
9 Fluorene	166	3.871	3.871	(1.094)	114770	5.00000	5.0630
11 Phenanthrene	178	4.512	4.517	(1.004)	153087	5.00000	5.0551
12 Anthracene	178	4.544	4.549	(1.011)	158879	5.00000	5.1457
13 Carbazole	167	4.699	4.704	(1.045)	135929	5.00000	5.1359
15 Fluoranthene	202	5.383	5.388	(1.197)	151084	5.00000	5.0320
16 Pyrene	202	5.554	5.559	(0.850)	165790	5.00000	5.0168
17 Benzo(a)anthracene	228	6.526	6.531	(0.999)	137745	5.00000	5.0415
19 Chrysene	228	6.553	6.558	(1.003)	135587	5.00000	5.0912
20 Benzo(b)fluoranthene	252	7.354	7.359	(0.964)	117636	5.00000	4.7876
21 Benzo(k)fluoranthene	252	7.370	7.380	(0.966)	136662	5.00000	5.3197
22 Benzo(a)pyrene	252	7.584	7.594	(0.994)	117182	5.00000	5.0222
24 Indeno(1,2,3-cd)pyrene	276	8.412	8.427	(1.102)	93523	5.00000	5.0760(M)
25 Dibenzo(a,h)anthracene	278	8.428	8.443	(1.104)	90159	5.00000	4.8949
26 Benzo(g,h,i)perylene	276	8.642	8.657	(1.132)	93202	5.00000	4.8828

QC Flag Legend

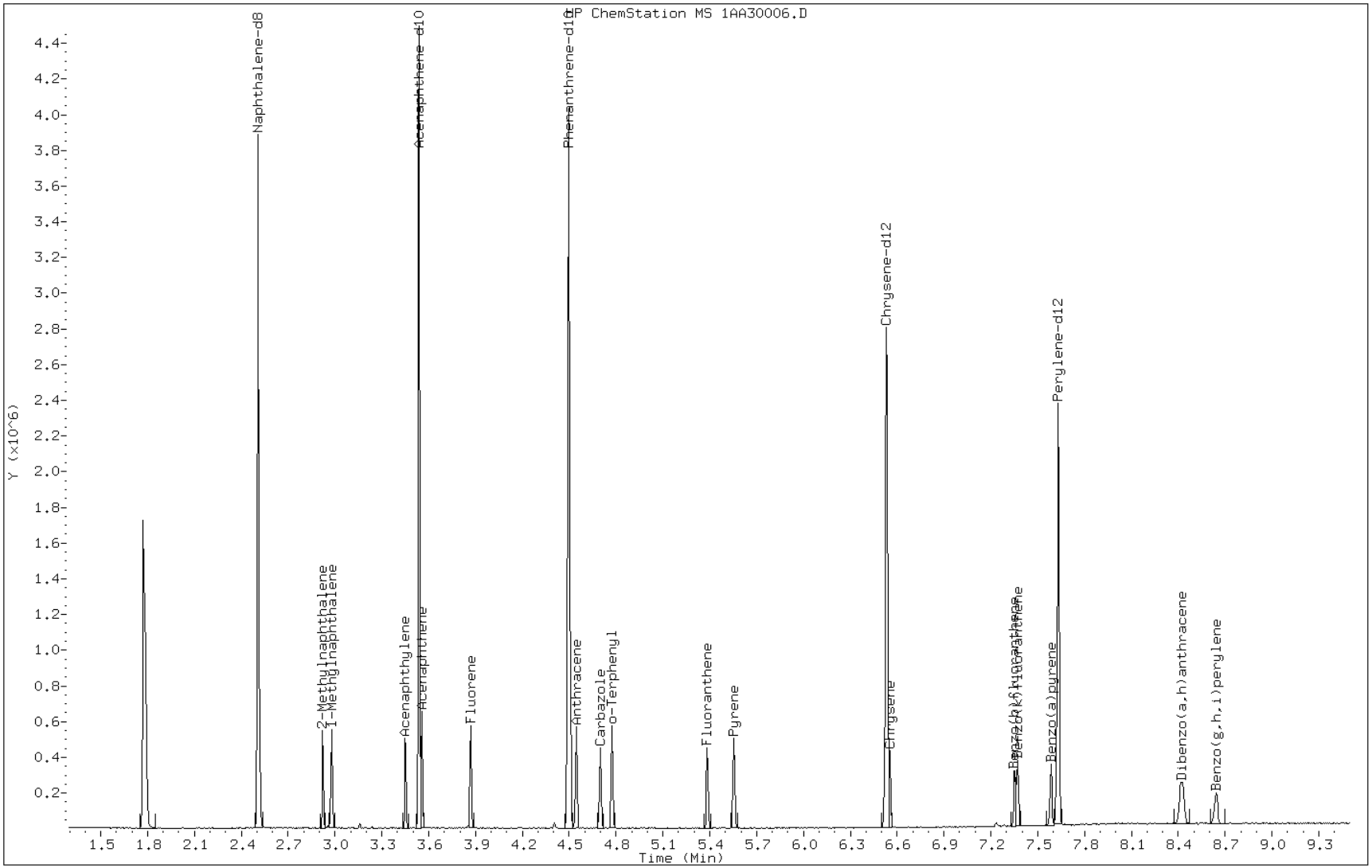
M - Compound response manually integrated.

Data File: 1AA30006.D

Date: 30-JAN-2013 12:34

Client ID: Instrument: BSMA5973.i

Sample Info: IC-1489896 Operator: SCC



Manual Integration Report

Data File: 1AA30006.D
Inj. Date and Time: 30-JAN-2013 12:34
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/30/2013

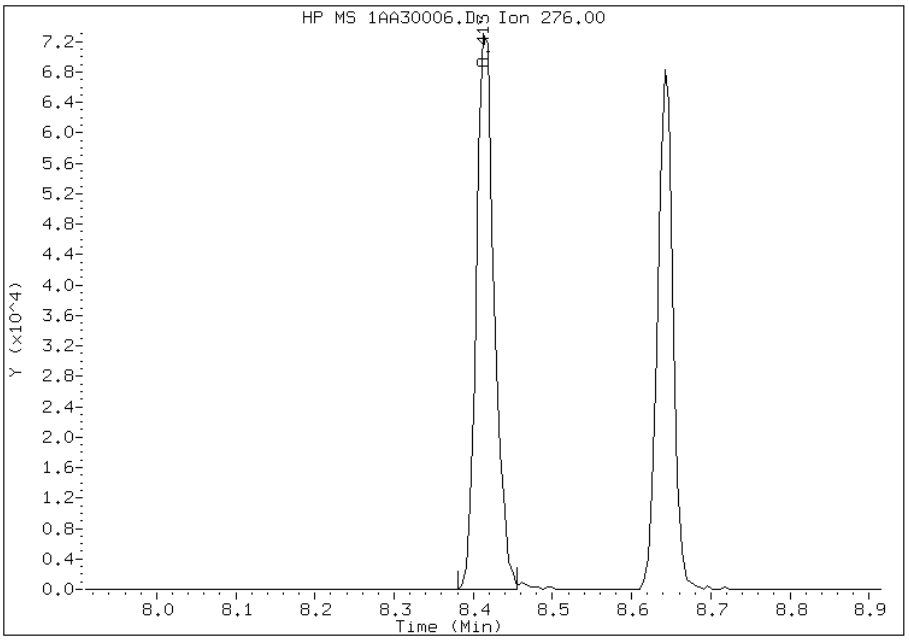
Processing Integration Results

RT: 8.41

Response: 113911

Amount: 5

Conc: 5



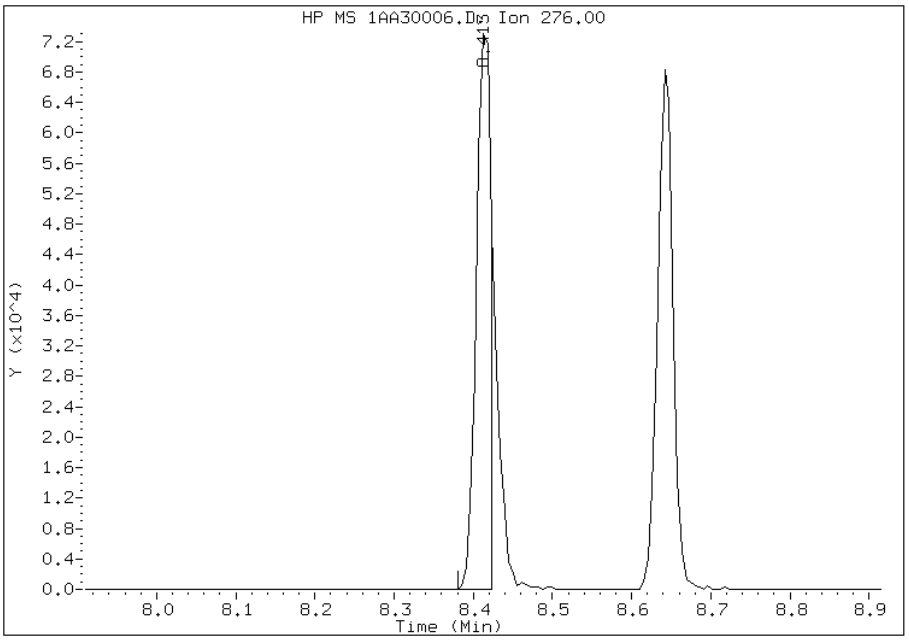
Manual Integration Results

RT: 8.41

Response: 93523

Amount: 5

Conc: 5



Manually Integrated By: cantins
Modification Date: 30-Jan-2013 13:29
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\1AA30007.D
Lab Smp Id: IC-1489897
Inj Date : 30-JAN-2013 12:49
Operator : SCC Inst ID: BSMA5973.i
Smp Info : IC-1489897
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\a-bFASTPAHi-m.m
Meth Date : 30-Jan-2013 13:33 BSMA5973.i Quant Type: ISTD
Cal Date : 30-JAN-2013 12:34 Cal File: 1AA30006.D
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.506	2.508	(1.000)	1220847	40.0000	
* 6 Acenaphthene-d10	164	3.537	3.539	(1.000)	698867	40.0000	
* 10 Phenanthrene-d10	188	4.499	4.501	(1.000)	1026818	40.0000	
$ 14 o-Terphenyl	230	4.777	4.779	(1.062)	153886	10.0000	10.3139
* 18 Chrysene-d12	240	6.534	6.536	(1.000)	831641	40.0000	
* 23 Perylene-d12	264	7.635	7.637	(1.000)	807429	40.0000	
2 Naphthalene	128	2.517	2.519	(1.004)	301178	10.0000	10.1636
3 2-Methylnaphthalene	141	2.923	2.925	(1.166)	163104	10.0000	10.2743
4 1-Methylnaphthalene	142	2.976	2.978	(1.188)	184298	10.0000	10.2556
5 Acenaphthylene	152	3.452	3.454	(0.976)	310278	10.0000	10.0548
7 Acenaphthene	154	3.553	3.555	(1.005)	173347	10.0000	10.3788
9 Fluorene	166	3.868	3.871	(1.094)	211811	10.0000	10.0855
11 Phenanthrene	178	4.510	4.517	(1.002)	280076	10.0000	9.9896
12 Anthracene	178	4.547	4.549	(1.011)	287973	10.0000	10.0743
13 Carbazole	167	4.702	4.704	(1.045)	243964	10.0000	9.9566
15 Fluoranthene	202	5.386	5.388	(1.197)	284287	10.0000	10.2274
16 Pyrene	202	5.557	5.559	(0.850)	301919	10.0000	10.0523
17 Benzo(a)anthracene	228	6.524	6.531	(0.998)	254775	10.0000	10.2600
19 Chrysene	228	6.550	6.558	(1.002)	237952	10.0000	9.8311
20 Benzo(b)fluoranthene	252	7.352	7.359	(0.963)	238908	10.0000	10.6013
21 Benzo(k)fluoranthene	252	7.373	7.380	(0.966)	235819	10.0000	10.0085
22 Benzo(a)pyrene	252	7.581	7.594	(0.993)	221540	10.0000	10.3523
24 Indeno(1,2,3-cd)pyrene	276	8.415	8.427	(1.102)	168724	10.0000	9.9847(M)
25 Dibenzo(a,h)anthracene	278	8.425	8.443	(1.104)	171475	10.0000	10.1505
26 Benzo(g,h,i)perylene	276	8.644	8.657	(1.132)	181282	10.0000	10.3551

QC Flag Legend

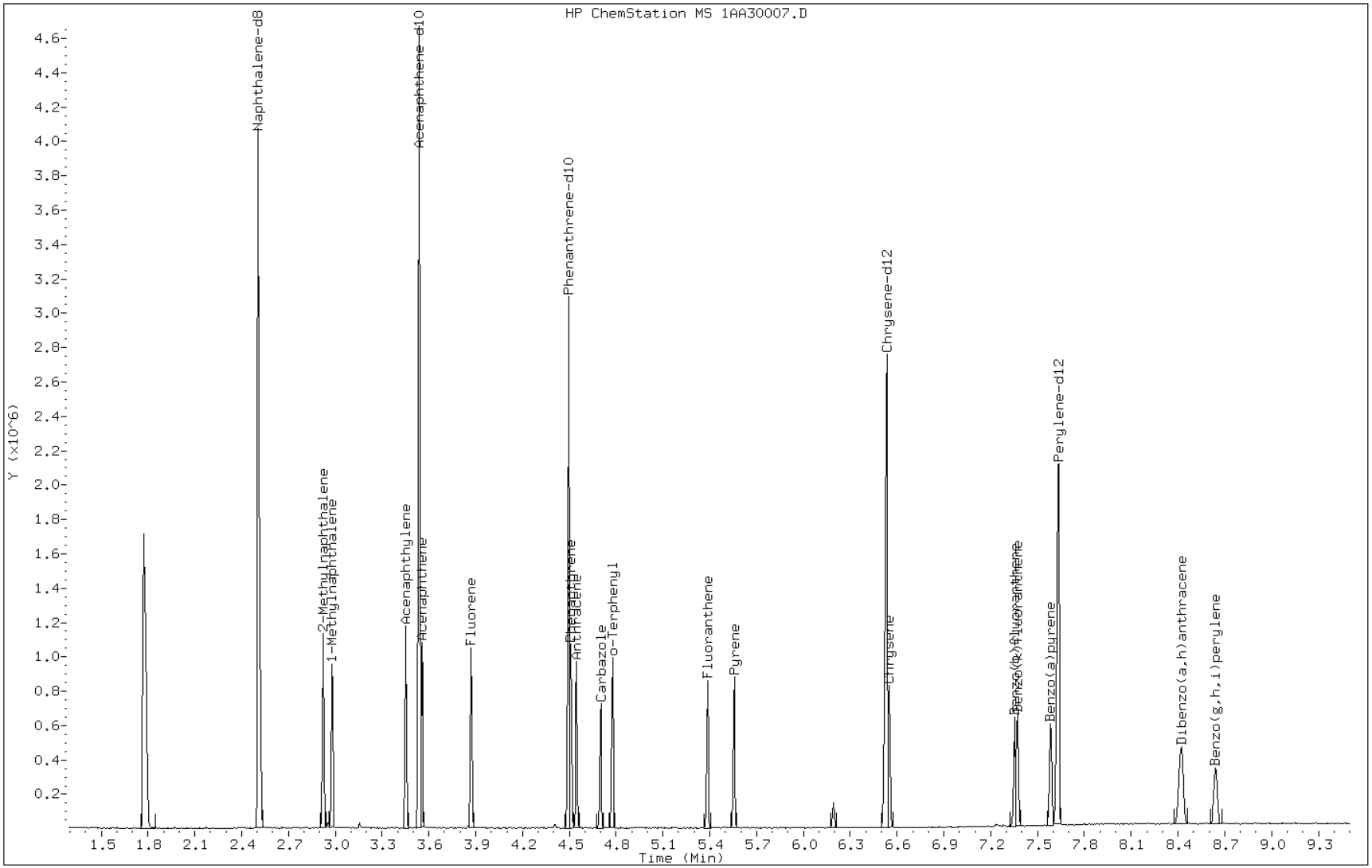
M - Compound response manually integrated.

Data File: 1AA30007.D

Date: 30-JAN-2013 12:49

Client ID: Instrument: BSMA5973.i

Sample Info: IC-1489897 Operator: SCC



Manual Integration Report

Data File: 1AA30007.D
Inj. Date and Time: 30-JAN-2013 12:49
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/30/2013

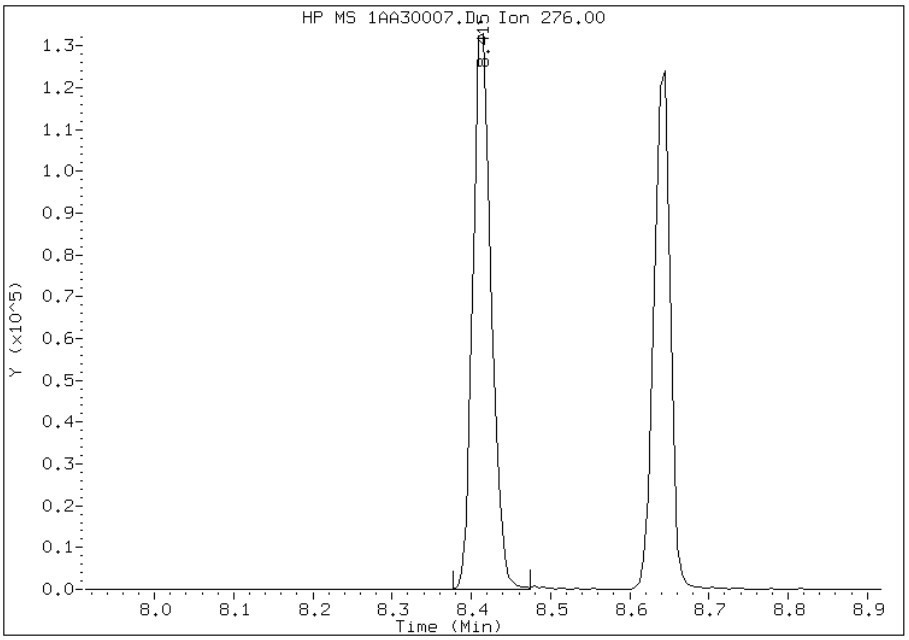
Processing Integration Results

RT: 8.42

Response: 213637

Amount: 11

Conc: 11



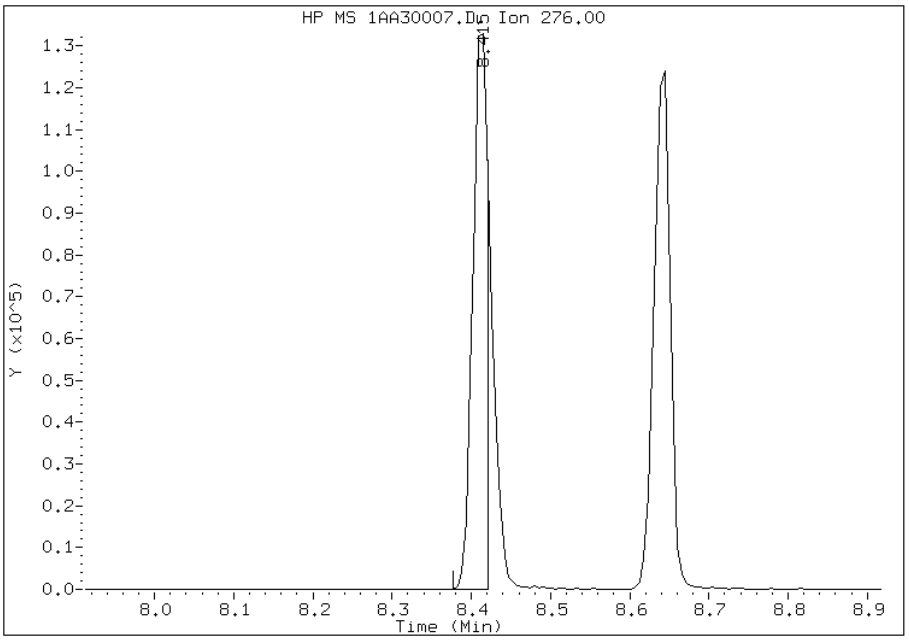
Manual Integration Results

RT: 8.42

Response: 168724

Amount: 10

Conc: 10



Manually Integrated By: cantins
Modification Date: 30-Jan-2013 13:30
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\1AA30008.D
Lab Smp Id: IC-1489899
Inj Date : 30-JAN-2013 13:04
Operator : SCC Inst ID: BSMA5973.i
Smp Info : IC-1489899
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\a-bFASTPAHi-m.m
Meth Date : 30-Jan-2013 13:33 BSMA5973.i Quant Type: ISTD
Cal Date : 30-JAN-2013 12:49 Cal File: 1AA30007.D
Als bottle: 8 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.506	2.508	(1.000)	1235536	40.0000	
* 6 Acenaphthene-d10	164	3.537	3.539	(1.000)	692518	40.0000	
* 10 Phenanthrene-d10	188	4.498	4.501	(1.000)	1053254	40.0000	
$ 14 o-Terphenyl	230	4.776	4.779	(1.062)	453816	30.0000	29.6527
* 18 Chrysene-d12	240	6.539	6.536	(1.000)	837416	40.0000	
* 23 Perylene-d12	264	7.634	7.637	(1.000)	816422	40.0000	
2 Naphthalene	128	2.522	2.519	(1.006)	931156	30.0000	31.0495
3 2-Methylnaphthalene	141	2.922	2.925	(1.166)	492071	30.0000	30.6282
4 1-Methylnaphthalene	142	2.981	2.978	(1.190)	530019	30.0000	29.1434
5 Acenaphthylene	152	3.456	3.454	(0.977)	932857	30.0000	30.5072
7 Acenaphthene	154	3.558	3.555	(1.006)	506350	30.0000	30.5946
9 Fluorene	166	3.873	3.871	(1.095)	626008	30.0000	30.0812
11 Phenanthrene	178	4.514	4.517	(1.004)	845549	30.0000	29.4018
12 Anthracene	178	4.546	4.549	(1.011)	861847	30.0000	29.3936
13 Carbazole	167	4.701	4.704	(1.045)	761082	30.0000	30.2815
15 Fluoranthene	202	5.390	5.388	(1.198)	867897	30.0000	30.4395
16 Pyrene	202	5.556	5.559	(0.850)	909822	30.0000	30.0834
17 Benzo(a)anthracene	228	6.528	6.531	(0.998)	765266	30.0000	30.6056
19 Chrysene	228	6.555	6.558	(1.002)	708484	30.0000	29.0695
20 Benzo(b)fluoranthene	252	7.356	7.359	(0.964)	708379	30.0000	31.0876
21 Benzo(k)fluoranthene	252	7.378	7.380	(0.966)	712080	30.0000	29.8890
22 Benzo(a)pyrene	252	7.591	7.594	(0.994)	659672	30.0000	30.4861
24 Indeno(1,2,3-cd)pyrene	276	8.419	8.427	(1.103)	528224	30.0000	30.9150(M)
25 Dibenzo(a,h)anthracene	278	8.435	8.443	(1.105)	512548	30.0000	30.0062
26 Benzo(g,h,i)perylene	276	8.654	8.657	(1.134)	538912	30.0000	30.4446

QC Flag Legend

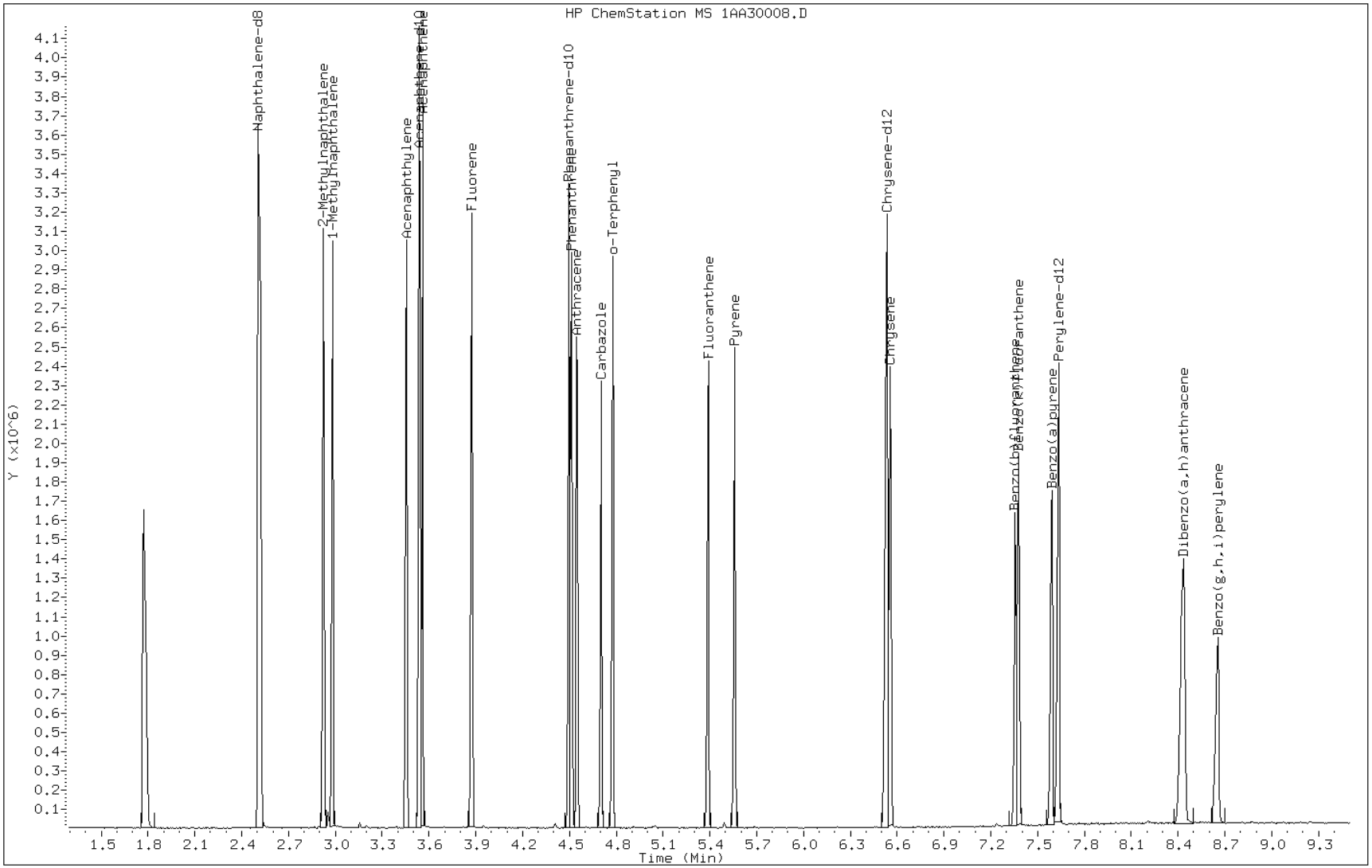
M - Compound response manually integrated.

Data File: 1AA30008.D

Date: 30-JAN-2013 13:04

Client ID: Instrument: BSMA5973.i

Sample Info: IC-1489899 Operator: SCC



Manual Integration Report

Data File: 1AA30008.D
Inj. Date and Time: 30-JAN-2013 13:04
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/30/2013

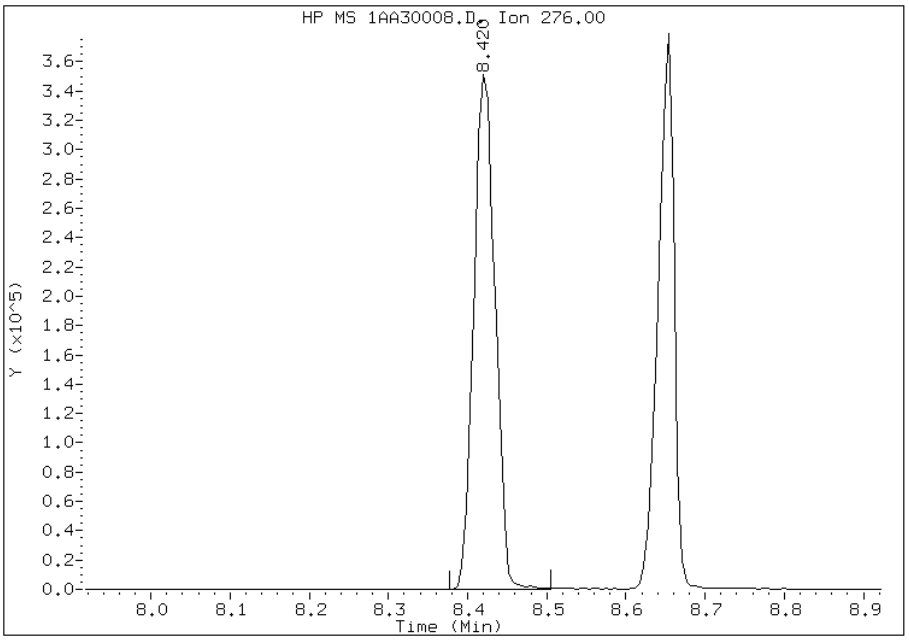
Processing Integration Results

RT: 8.42

Response: 649974

Amount: 32

Conc: 32



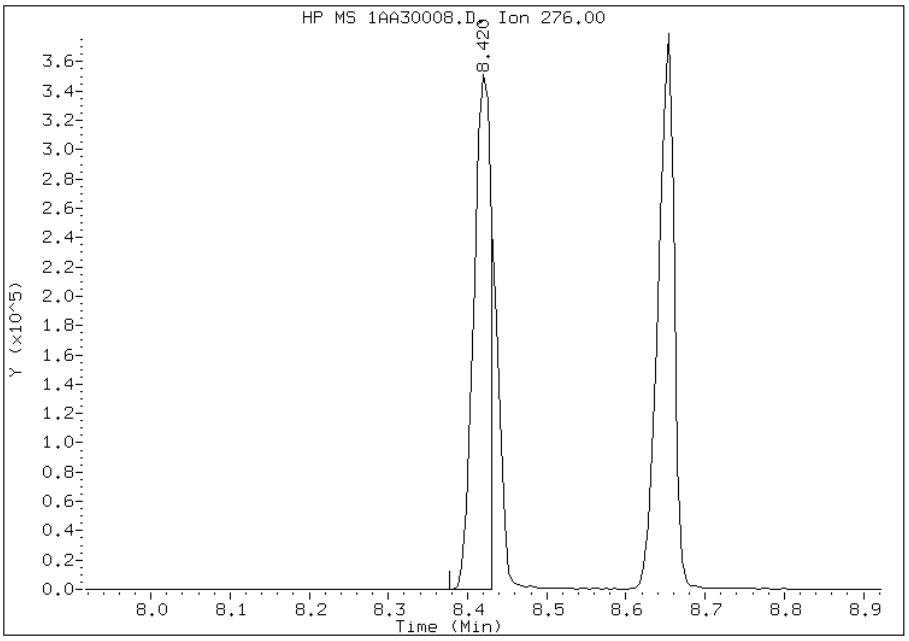
Manual Integration Results

RT: 8.42

Response: 528224

Amount: 31

Conc: 31



Manually Integrated By: cantins
Modification Date: 30-Jan-2013 13:30
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\1AA30009.D
Lab Smp Id: IC-1489900
Inj Date : 30-JAN-2013 13:20
Operator : SCC Inst ID: BSMA5973.i
Smp Info : IC-1489900
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\a-bFASTPAHi-m.m
Meth Date : 30-Jan-2013 13:33 BSMA5973.i Quant Type: ISTD
Cal Date : 30-JAN-2013 13:04 Cal File: 1AA30008.D
Als bottle: 9 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.510	2.508	(1.000)	1125072	40.0000	
* 6 Acenaphthene-d10	164	3.541	3.539	(1.000)	630343	40.0000	
* 10 Phenanthrene-d10	188	4.497	4.501	(1.000)	953549	40.0000	
$ 14 o-Terphenyl	230	4.781	4.779	(1.063)	671289	50.0000	48.4490
* 18 Chrysene-d12	240	6.538	6.536	(1.000)	738179	40.0000	
* 23 Perylene-d12	264	7.633	7.637	(1.000)	739344	40.0000	
2 Naphthalene	128	2.521	2.519	(1.004)	1392262	50.0000	50.9834(A)
3 2-Methylnaphthalene	141	2.927	2.925	(1.166)	735363	50.0000	50.2656(A)
4 1-Methylnaphthalene	142	2.980	2.978	(1.187)	794373	50.0000	47.9677
5 Acenaphthylene	152	3.456	3.454	(0.976)	1380232	50.0000	49.5899
7 Acenaphthene	154	3.557	3.555	(1.005)	738267	50.0000	49.0074
9 Fluorene	166	3.872	3.871	(1.094)	932971	50.0000	49.2537
11 Phenanthrene	178	4.514	4.517	(1.004)	1235274	50.0000	47.4449
12 Anthracene	178	4.551	4.549	(1.012)	1278708	50.0000	48.1709
13 Carbazole	167	4.706	4.704	(1.046)	1111447	50.0000	48.8456
15 Fluoranthene	202	5.390	5.388	(1.198)	1257334	50.0000	48.7092
16 Pyrene	202	5.561	5.559	(0.850)	1318254	50.0000	49.4481
17 Benzo(a)anthracene	228	6.527	6.531	(0.998)	1096876	50.0000	49.7652
19 Chrysene	228	6.560	6.558	(1.003)	1033398	50.0000	48.1011
20 Benzo(b)fluoranthene	252	7.361	7.359	(0.964)	1080002	50.0000	52.3376(A)
21 Benzo(k)fluoranthene	252	7.382	7.380	(0.967)	970372	50.0000	44.9769
22 Benzo(a)pyrene	252	7.591	7.594	(0.994)	978664	50.0000	49.9431
24 Indeno(1,2,3-cd)pyrene	276	8.424	8.427	(1.104)	777793	50.0000	50.2670(AM)
25 Dibenzo(a,h)anthracene	278	8.440	8.443	(1.106)	759088	50.0000	49.0724
26 Benzo(g,h,i)perylene	276	8.664	8.657	(1.135)	805634	50.0000	50.2572(A)

QC Flag Legend

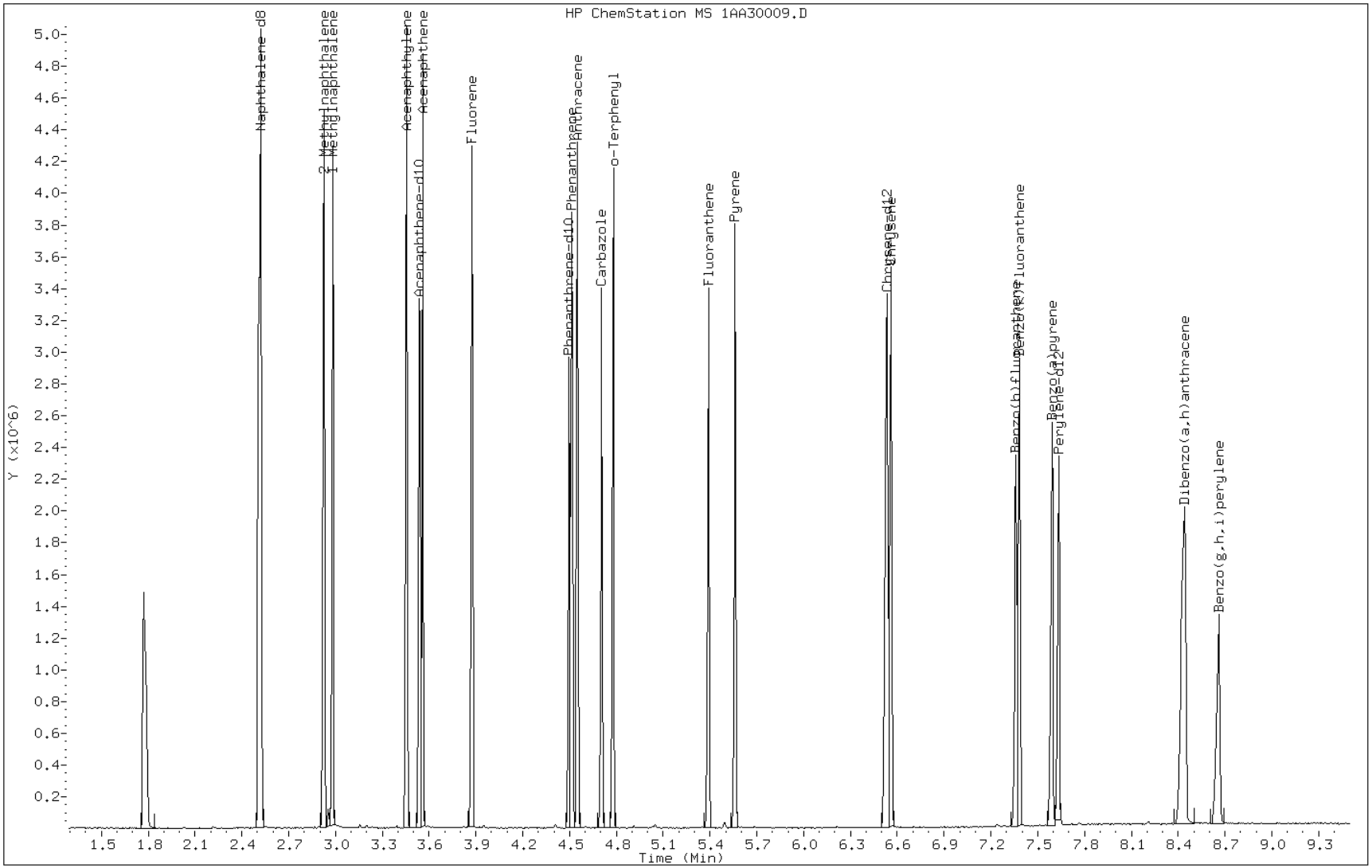
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: 1AA30009.D

Date: 30-JAN-2013 13:20

Client ID: Instrument: BSMA5973.i

Sample Info: IC-1489900 Operator: SCC



Manual Integration Report

Data File: 1AA30009.D
Inj. Date and Time: 30-JAN-2013 13:20
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/30/2013

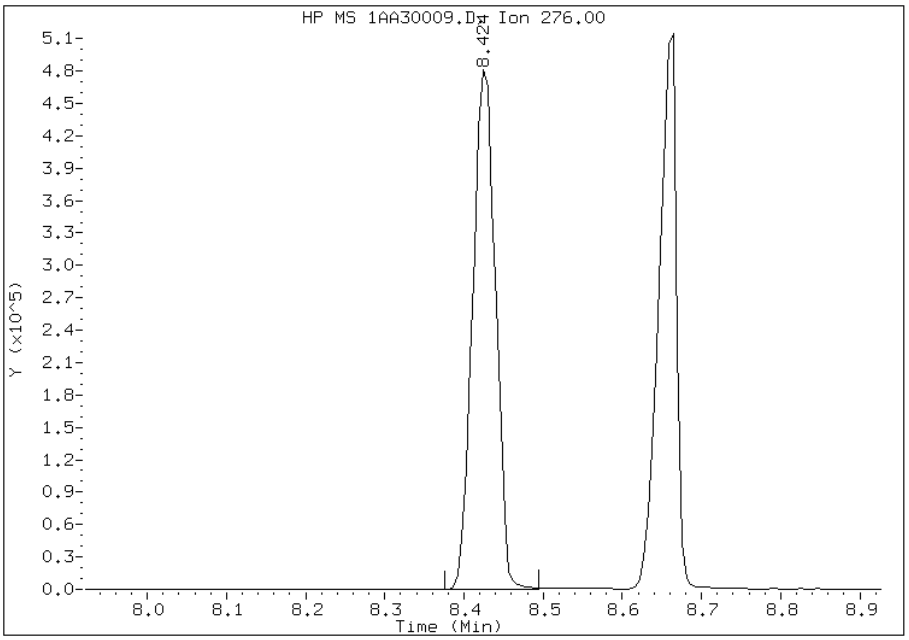
Processing Integration Results

RT: 8.42

Response: 954291

Amount: 60

Conc: 60



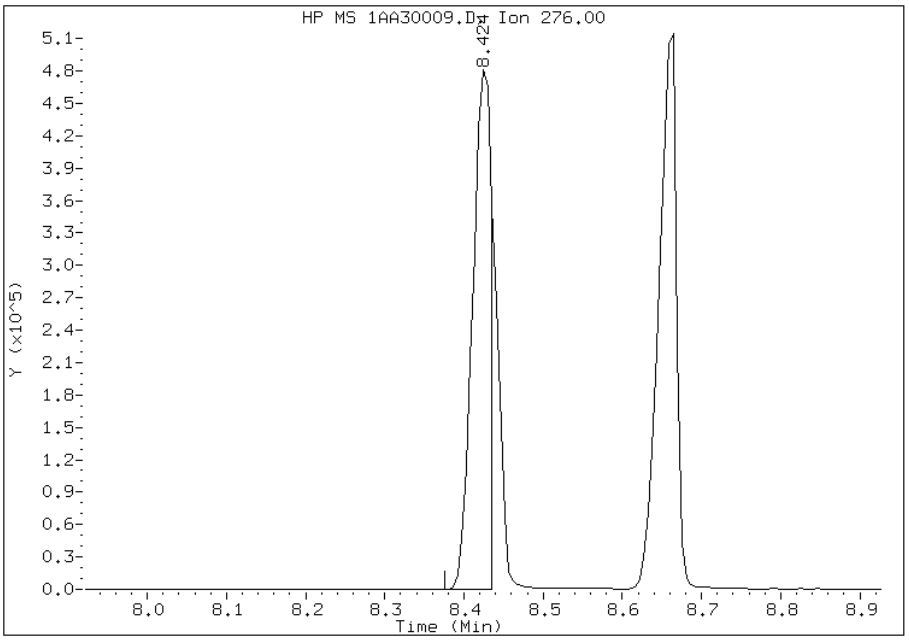
Manual Integration Results

RT: 8.42

Response: 777793

Amount: 50

Conc: 50



Manually Integrated By: cantins
Modification Date: 30-Jan-2013 13:32
Manual Integration Reason: Split Peak

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-87279-2 Analy Batch No.: 133227

SDG No.: 68087279-2

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250(um) Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2013 15:23 Calibration End Date: 01/07/2013 17:13 Calibration ID: 2667

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-133227/3	1CA07013.D
Level 2	IC 660-133227/4	1CA07014.D
Level 3	IC 660-133227/5	1CA07015.D
Level 4	IC 660-133227/6	1CA07016.D
Level 5	ICIS 660-133227/7	1CA07017.D
Level 6	IC 660-133227/8	1CA07018.D
Level 7	IC 660-133227/9	1CA07019.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Naphthalene	1.0948 1.0545	0.9495 1.0923	1.1033	1.0932	1.0321	Ave		1.0599			0.0000	5.2		15.0			
2-Methylnaphthalene	0.7336 0.6800	0.6777 0.6981	0.6603	0.7017	0.6730	Ave		0.6892			0.0000	3.5		15.0			
1-Methylnaphthalene	0.5817 0.6643	0.5360 0.6684	0.6316	0.6552	0.6507	Ave		0.6268			0.0000	7.9		15.0			
Acenaphthylene	1.7181 1.6465	1.4412 1.6572	1.4779	1.5857	1.6130	Ave		1.5914			0.0000	6.3		15.0			
Acenaphthene	1.1390 0.9603	1.0282 0.9633	0.9458	1.0094	0.9406	Ave		0.9981			0.0000	7.0		15.0			
Fluorene	1.3483 1.3015	1.2058 1.2912	1.2211	1.3274	1.2732	Ave		1.2812			0.0000	4.1		15.0			
Phenanthrene	1.5909 1.1271	1.1807 1.1120	1.0815	1.1674	1.0983	Ave		1.1940			0.0000	15.0		15.0			
Anthracene	1.0132 1.1091	0.9972 1.1231	1.0674	1.1234	1.0967	Ave		1.0757			0.0000	4.8		15.0			
Carbazole	0.8906 0.9895	0.8628 0.9866	0.8811	0.9644	0.9658	Ave		0.9344			0.0000	5.8		15.0			
Fluoranthene	0.9799 1.2313	1.0735 1.2497	1.1621	1.2234	1.2469	Ave		1.1667			0.0000	8.9		15.0			
Pyrene	0.8059 1.1858	1.0113 1.1112	1.0616	1.1543	1.1241	Ave		1.0649			0.0000	12.0		15.0			
Benzo[a]anthracene	1.4670 1.0800	0.9986 1.0530	1.0400	1.0600	1.0228	Ave		1.1031			0.0000	14.7		15.0			
Chrysene	1.2057 1.1045	1.2101 1.0821	1.1125	1.1626	1.0982	Ave		1.1394			0.0000	4.7		15.0			
Benzo[b]fluoranthene	0.8713 1.0190	0.8691 1.1293	0.9456	1.0325	0.9979	Ave		0.9807			0.0000	9.5		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD CURVE EVALUATION

Lab Name: TestAmerica Tampa Job No.: 680-87279-2 Analy Batch No.: 133227

SDG No.: 68087279-2

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250(um) Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2013 15:23 Calibration End Date: 01/07/2013 17:13 Calibration ID: 2667

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Benzo[k]fluoranthene	0.9252 1.2002	0.9572 1.1097	1.0697	1.1497	1.1509	Ave		1.0804			0.0000	9.6		15.0			
Benzo[a]pyrene	0.7248 1.0316	0.8455 1.0436	0.9117	0.9956	0.9794	Ave		0.9332			0.0000	12.3		15.0			
Indeno[1,2,3-cd]pyrene	0.6998 0.9422	0.4820 0.8813	0.8137	0.8316	0.9002	LinF		0.8963			0.0000				0.9980		0.9900
Dibenz(a,h)anthracene	0.7712 0.9005	0.7805 0.9132	0.8152	0.8774	0.8585	Ave		0.8452			0.0000	6.7		15.0			
Benzo[g,h,i]perylene	0.8112 0.9967	0.7908 0.9698	0.9172	0.9667	0.9207	Ave		0.9104			0.0000	8.8		15.0			
o-Terphenyl	0.5355 0.5984	0.5589 0.5994	0.5931	0.6168	0.6005	Ave		0.5861			0.0000	4.8		15.0			

Note: The m1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-87279-2 Analy Batch No.: 133227

SDG No.: 68087279-2

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250(um) Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2013 15:23 Calibration End Date: 01/07/2013 17:13 Calibration ID: 2667

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	IC 660-133227/3	1CA07013.D
Level 2	IC 660-133227/4	1CA07014.D
Level 3	IC 660-133227/5	1CA07015.D
Level 4	IC 660-133227/6	1CA07016.D
Level 5	ICIS 660-133227/7	1CA07017.D
Level 6	IC 660-133227/8	1CA07018.D
Level 7	IC 660-133227/9	1CA07019.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Naphthalene	NPT	Ave	11168 1744899	49180 2683662	279616	562439	1132608	0.200 30.0	1.00 50.0	5.00	10.0	20.0
2-Methylnaphthalene	NPT	Ave	7484 1125305	35101 1715115	167348	360991	738557	0.200 30.0	1.00 50.0	5.00	10.0	20.0
1-Methylnaphthalene	NPT	Ave	5934 1099203	27760 1642265	160060	337071	714057	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthylene	ANT	Ave	13060 2078096	55638 3143102	277566	597168	1333542	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Acenaphthene	ANT	Ave	8658 1212087	39694 1826987	177622	380155	777625	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluorene	ANT	Ave	10249 1642686	46551 2448772	229328	499898	1052584	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Phenanthrene	PHN	Ave	22944 2725408	87138 3980821	382657	852208	1725035	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Anthracene	PHN	Ave	14612 2681981	73594 4020655	377684	820090	1722588	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Carbazole	PHN	Ave	12845 2392859	63677 3531798	311754	704012	1516911	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Fluoranthene	PHN	Ave	14132 2977438	79223 4473693	411201	893123	1958378	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Pyrene	CRY	Ave	13699 3254878	87607 4789001	444176	1032505	2128584	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[a]anthracene	CRY	Ave	24935 2964525	86510 4538204	435113	948119	1936797	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Chrysene	CRY	Ave	20495 3031738	104834 4663655	465452	1039885	2079538	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[b]fluoranthene	PRY	Ave	15170 2773683	75135 4834833	409334	924867	1891292	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[k]fluoranthene	PRY	Ave	16108 3267104	82752 4750961	463057	1029821	2181246	0.200 30.0	1.00 50.0	5.00	10.0	20.0

FORM VI
GC/MS SEMI VOA INITIAL CALIBRATION DATA
INTERNAL STANDARD RESPONSE AND CONCENTRATION

Lab Name: TestAmerica Tampa Job No.: 680-87279-2 Analy Batch No.: 133227

SDG No.: 68087279-2

Instrument ID: BSMC5973 GC Column: DB-5MS ID: 250(um) Heated Purge: (Y/N) N

Calibration Start Date: 01/07/2013 15:23 Calibration End Date: 01/07/2013 17:13 Calibration ID: 2667

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Benzo[a]pyrene	PRY	Ave	12619 2808161	73092 4467973	394642	891772	1856241	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Indeno[1,2,3-cd]pyrene	PRY	LinF	12184 2564602	41666 3772962	352250	744949	1706161	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Dibenz(a,h)anthracene	PRY	Ave	13428 2451088	67472 3909634	352888	785898	1627151	0.200 30.0	1.00 50.0	5.00	10.0	20.0
Benzo[g,h,i]perylene	PRY	Ave	14123 2713188	68360 4151782	397056	865965	1745002	0.200 30.0	1.00 50.0	5.00	10.0	20.0
o-Terphenyl	PHN	Ave	7723 1447125	41244 2145891	209857	450297	943151	0.200 30.0	1.00 50.0	5.00	10.0	20.0

Curve Type Legend:
Ave = Average ISTD
LinF = Linear ISTD forced zero

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\1CA07013.D
Lab Smp Id: IC-1489894
Inj Date : 07-JAN-2013 15:23
Operator : SCC Inst ID: BSMC5973.i
Smp Info : IC-1489894
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\a-bFASTPAHi-m.m
Meth Date : 08-Jan-2013 12:40 BSMC5973.i Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 13 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.869	3.869	(1.000)	2040281	40.0000	
* 6 Acenaphthene-d10	164	4.957	4.957	(1.000)	1520300	40.0000	
* 10 Phenanthrene-d10	188	5.915	5.915	(1.000)	2884412	40.0000	
$ 14 o-Terphenyl	230	6.162	6.162	(1.042)	7723	0.20000	0.1827
* 18 Chrysene-d12	240	7.868	7.868	(1.000)	3399562	40.0000	
* 23 Perylene-d12	264	9.109	9.109	(1.000)	3482211	40.0000	
2 Naphthalene	128	3.880	3.880	(1.003)	11168	0.20000	0.2065(Q)
3 2-Methylnaphthalene	142	4.304	4.304	(1.113)	7484	0.20000	0.2128
4 1-Methylnaphthalene	142	4.368	4.368	(1.129)	5934	0.20000	0.1855
5 Acenaphthylene	152	4.868	4.868	(0.982)	13060	0.20000	0.2159
7 Acenaphthene	154	4.974	4.974	(1.004)	8658	0.20000	0.2282
9 Fluorene	166	5.298	5.298	(1.069)	10249	0.20000	0.2104
11 Phenanthrene	178	5.927	5.927	(1.002)	22944	0.20000	0.2664
12 Anthracene	178	5.962	5.962	(1.008)	14612	0.20000	0.1883
13 Carbazole	167	6.074	6.074	(1.027)	12845	0.20000	0.1906
15 Fluoranthene	202	6.774	6.774	(1.145)	14132	0.20000	0.1679
16 Pyrene	202	6.945	6.945	(0.883)	13699	0.20000	0.1513
17 Benzo(a)anthracene	228	7.862	7.862	(0.999)	24935	0.20000	0.2659
19 Chrysene	228	7.886	7.886	(1.002)	20495	0.20000	0.2116
20 Benzo(b)fluoranthene	252	8.739	8.739	(0.959)	15170	0.20000	0.1776
21 Benzo(k)fluoranthene	252	8.762	8.762	(0.962)	16108	0.20000	0.1712(M)
22 Benzo(a)pyrene	252	9.051	9.051	(0.994)	12619	0.20000	0.1553
24 Indeno(1,2,3-cd)pyrene	276	10.368	10.368	(1.138)	12184	0.20000	0.1764(M)
25 Dibenzo(a,h)anthracene	278	10.392	10.392	(1.141)	13428	0.20000	0.1824(M)
26 Benzo(g,h,i)perylene	276	10.756	10.756	(1.181)	14123	0.20000	0.1781(M)

QC Flag Legend

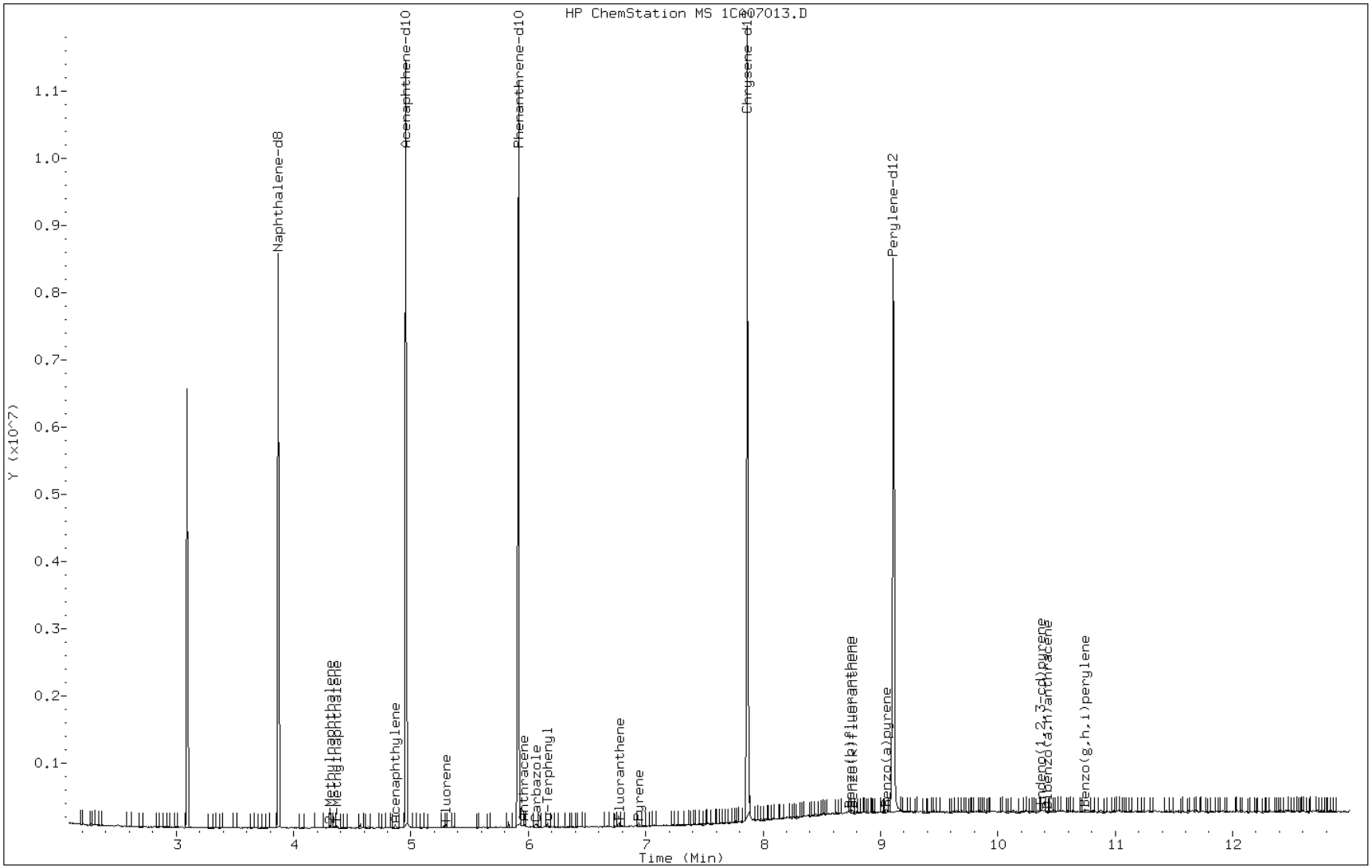
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1CA07013.D

Date: 07-JAN-2013 15:23

Client ID: Instrument: BSMC5973.i

Sample Info: IC-1489894 Operator: SCC



Manual Integration Report

Data File: 1CA07013.D
Inj. Date and Time: 07-JAN-2013 15:23
Instrument ID: BSMC5973.i
Client ID:
Compound: 21 Benzo(k)fluoranthene
CAS #: 207-08-9
Report Date: 01/08/2013

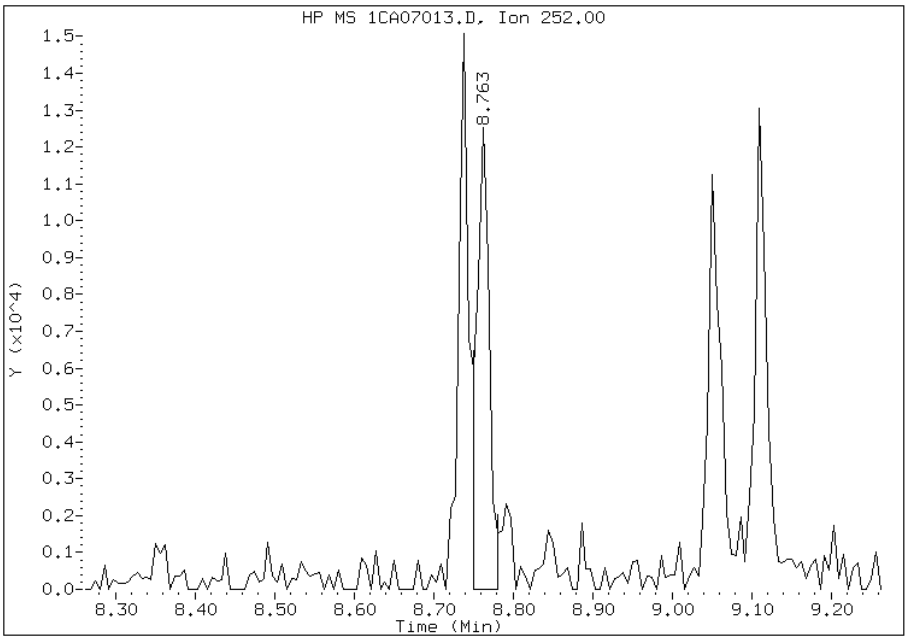
Processing Integration Results

RT: 8.76

Response: 14049

Amount: 0

Conc: 0



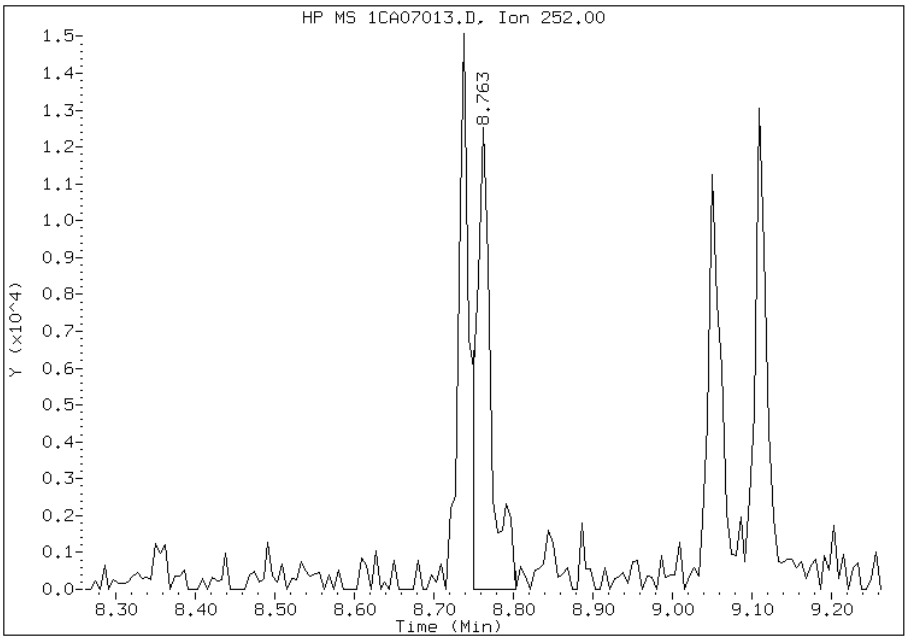
Manual Integration Results

RT: 8.76

Response: 16108

Amount: 0

Conc: 0



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:35
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CA07013.D
Inj. Date and Time: 07-JAN-2013 15:23
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/08/2013

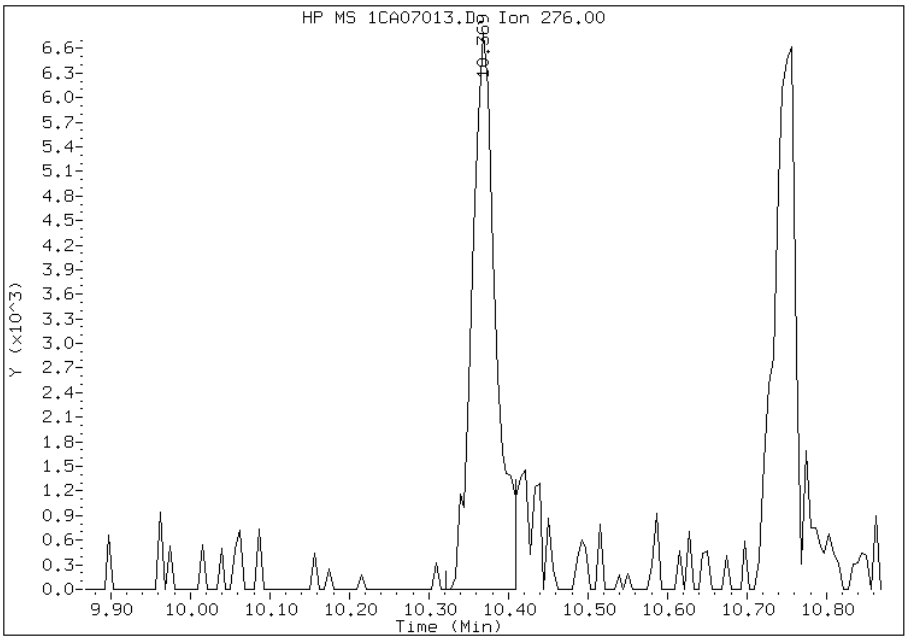
Processing Integration Results

RT: 10.37

Response: 14154

Amount: 0

Conc: 0



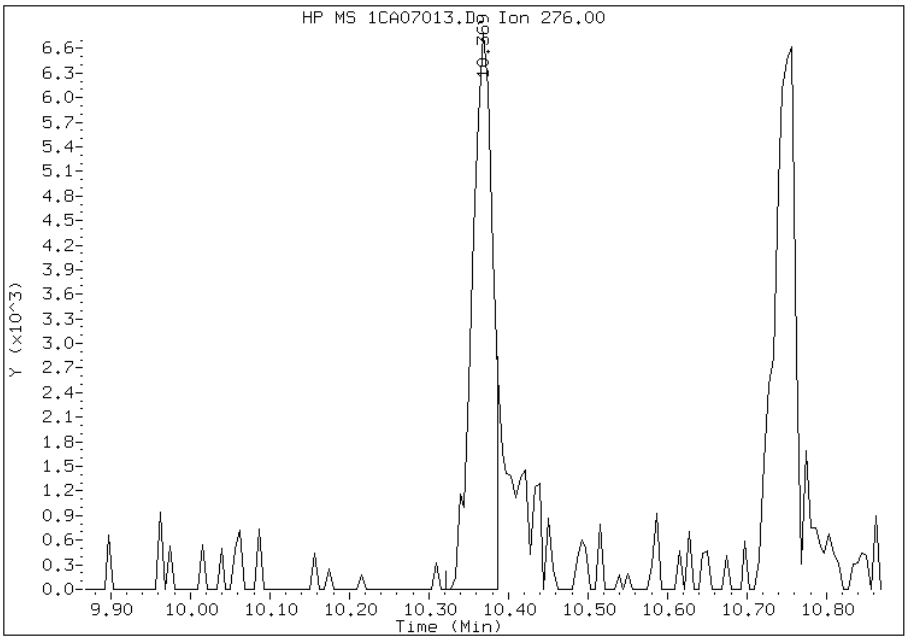
Manual Integration Results

RT: 10.37

Response: 12184

Amount: 0

Conc: 0



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:35
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CA07013.D
Inj. Date and Time: 07-JAN-2013 15:23
Instrument ID: BSMC5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 01/08/2013

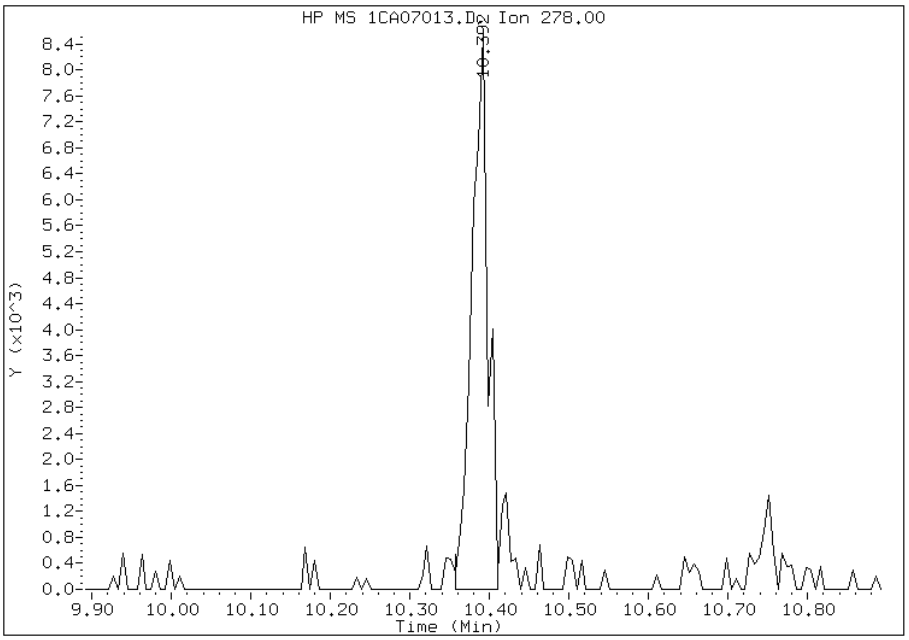
Processing Integration Results

RT: 10.39

Response: 12138

Amount: 0

Conc: 0



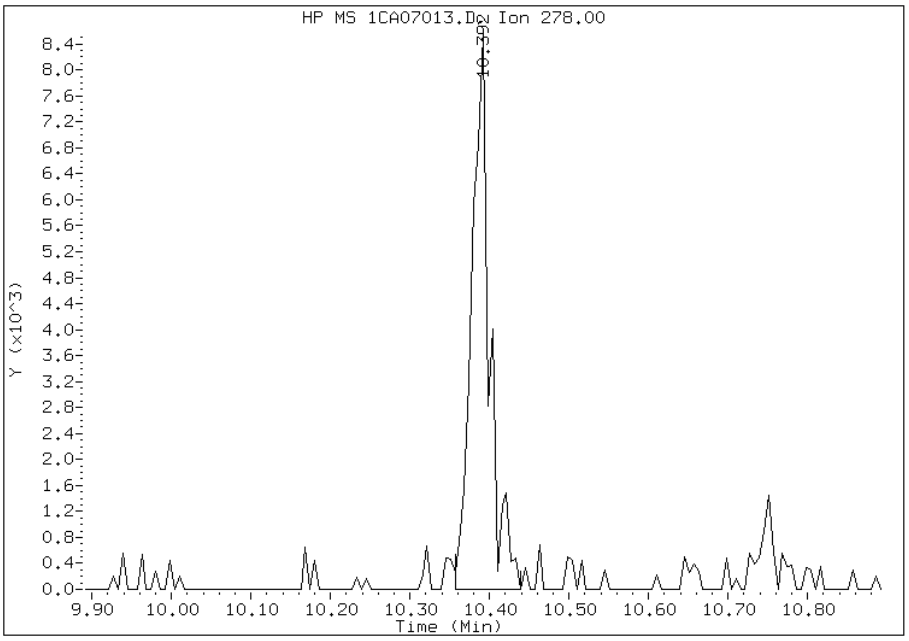
Manual Integration Results

RT: 10.39

Response: 13428

Amount: 0

Conc: 0



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:35
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CA07013.D
Inj. Date and Time: 07-JAN-2013 15:23
Instrument ID: BSMC5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 01/08/2013

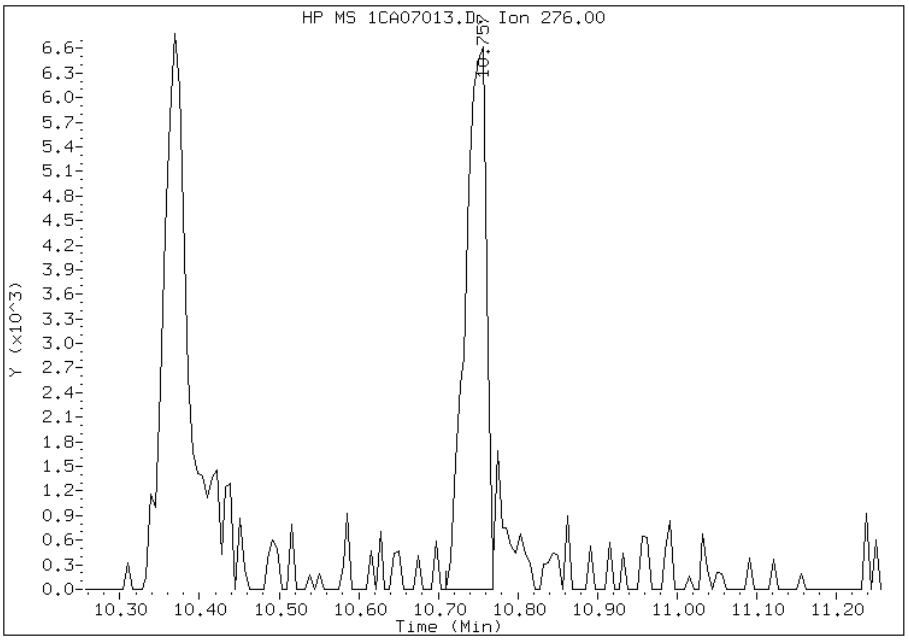
Processing Integration Results

RT: 10.76

Response: 12183

Amount: 0

Conc: 0



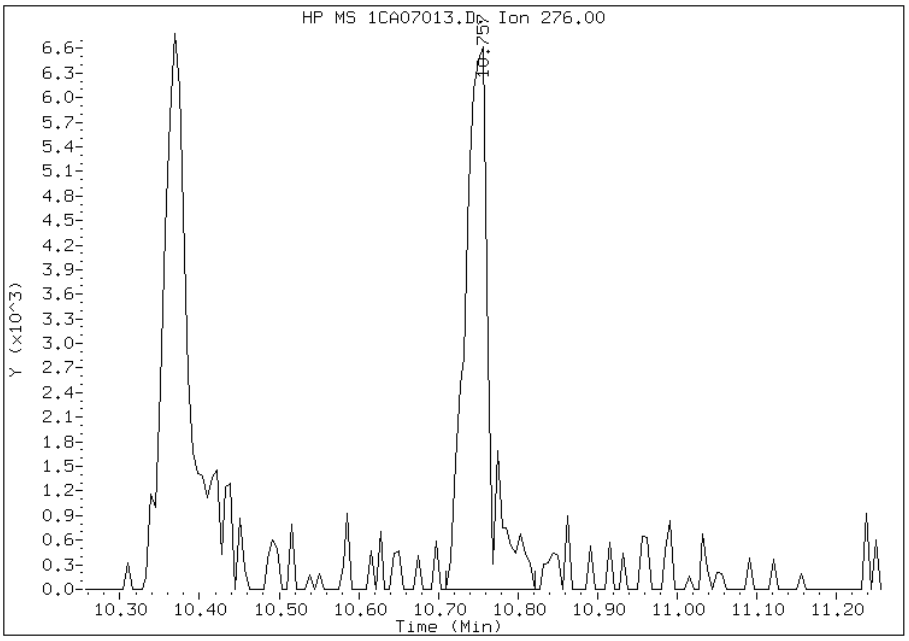
Manual Integration Results

RT: 10.76

Response: 14123

Amount: 0

Conc: 0



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:35
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\1CA07014.D
Lab Smp Id: IC-1489895
Inj Date : 07-JAN-2013 15:41
Operator : SCC Inst ID: BSMC5973.i
Smp Info : IC-1489895
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\a-bFASTPAHi-m.m
Meth Date : 08-Jan-2013 12:40 BSMC5973.i Quant Type: ISTD
Cal Date : 07-JAN-2013 15:23 Cal File: 1CA07013.D
Als bottle: 14 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.868	3.868	(1.000)	2071724	40.0000	
* 6 Acenaphthene-d10	164	4.957	4.957	(1.000)	1544247	40.0000	
* 10 Phenanthrene-d10	188	5.915	5.915	(1.000)	2952062	40.0000	
$ 14 o-Terphenyl	230	6.168	6.168	(1.043)	41244	1.00000	0.9535
* 18 Chrysene-d12	240	7.868	7.868	(1.000)	3465163	40.0000	
* 23 Perylene-d12	264	9.109	9.109	(1.000)	3457962	40.0000	
2 Naphthalene	128	3.880	3.880	(1.003)	49180	1.00000	0.8958(Q)
3 2-Methylnaphthalene	142	4.310	4.310	(1.114)	35101	1.00000	0.9833
4 1-Methylnaphthalene	142	4.368	4.368	(1.129)	27760	1.00000	0.8550
5 Acenaphthylene	152	4.868	4.868	(0.982)	55638	1.00000	0.9056
7 Acenaphthene	154	4.974	4.974	(1.004)	39694	1.00000	1.0301
9 Fluorene	166	5.298	5.298	(1.069)	46551	1.00000	0.9411
11 Phenanthrene	178	5.933	5.933	(1.003)	87138	1.00000	0.9888
12 Anthracene	178	5.962	5.962	(1.008)	73594	1.00000	0.9269
13 Carbazole	167	6.074	6.074	(1.027)	63677	1.00000	0.9233
15 Fluoranthene	202	6.774	6.774	(1.145)	79223	1.00000	0.9201
16 Pyrene	202	6.945	6.945	(0.883)	87607	1.00000	0.9496
17 Benzo(a)anthracene	228	7.862	7.862	(0.999)	86510	1.00000	0.9053
19 Chrysene	228	7.886	7.886	(1.002)	104834	1.00000	1.0620(M)
20 Benzo(b)fluoranthene	252	8.739	8.739	(0.959)	75135	1.00000	0.8862
21 Benzo(k)fluoranthene	252	8.762	8.762	(0.962)	82752	1.00000	0.8860
22 Benzo(a)pyrene	252	9.050	9.050	(0.994)	73092	1.00000	0.9060
24 Indeno(1,2,3-cd)pyrene	276	10.362	10.362	(1.138)	41666	1.00000	0.6078(M)
25 Dibenzo(a,h)anthracene	278	10.380	10.380	(1.139)	67472	1.00000	0.9234(M)
26 Benzo(g,h,i)perylene	276	10.750	10.750	(1.180)	68360	1.00000	0.8685(M)

QC Flag Legend

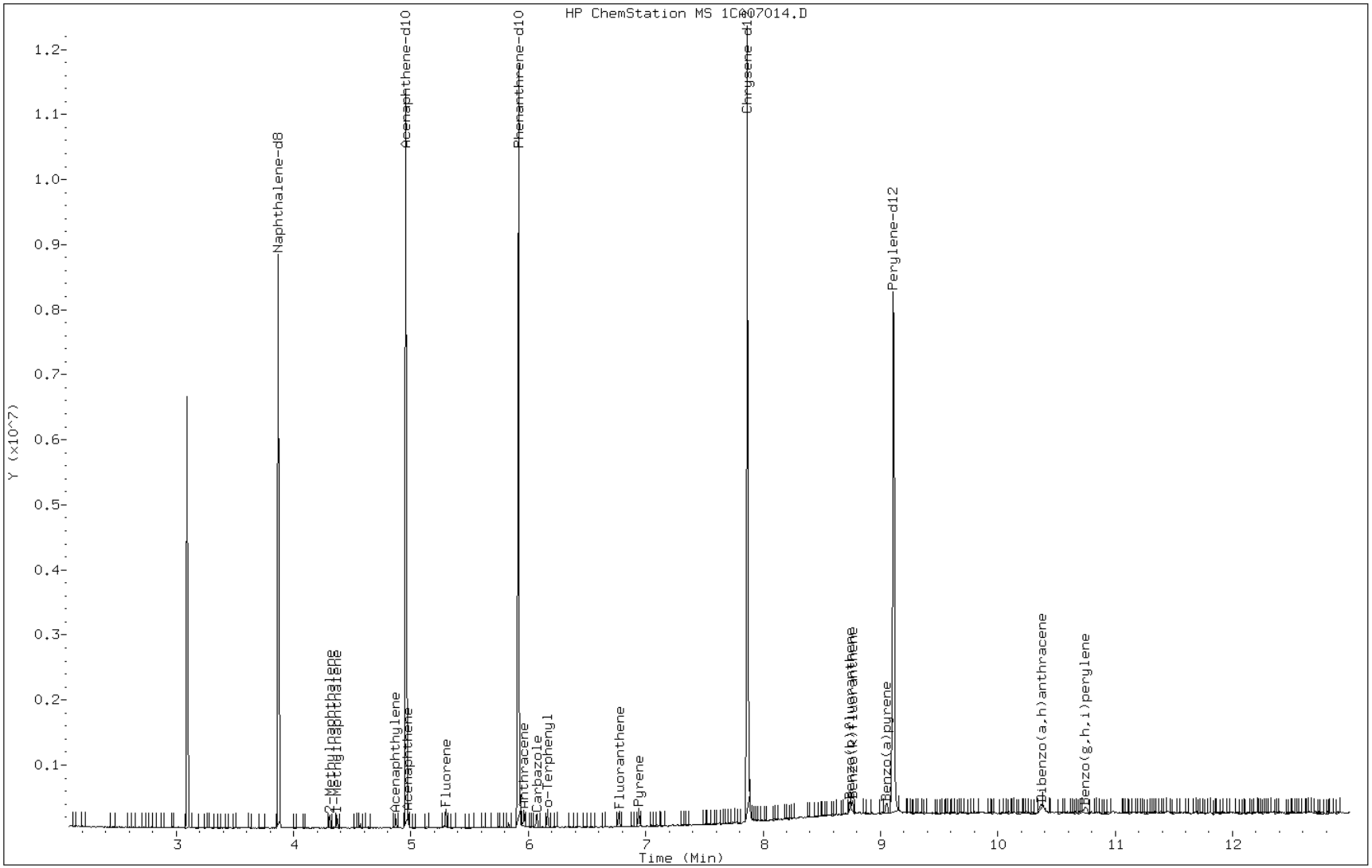
Q - Qualifier signal failed the ratio test.
M - Compound response manually integrated.

Data File: 1CA07014.D

Date: 07-JAN-2013 15:41

Client ID: Instrument: BSMC5973.i

Sample Info: IC-1489895 Operator: SCC



Manual Integration Report

Data File: 1CA07014.D
Inj. Date and Time: 07-JAN-2013 15:41
Instrument ID: BSMC5973.i
Client ID:
Compound: 19 Chrysene
CAS #: 218-01-9
Report Date: 01/08/2013

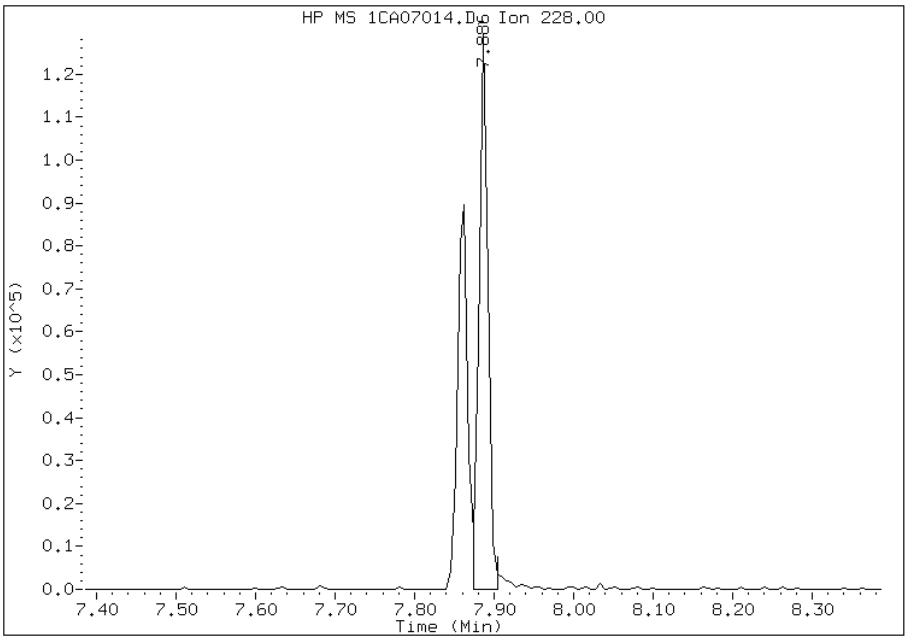
Processing Integration Results

RT: 7.89

Response: 101100

Amount: 1

Conc: 1



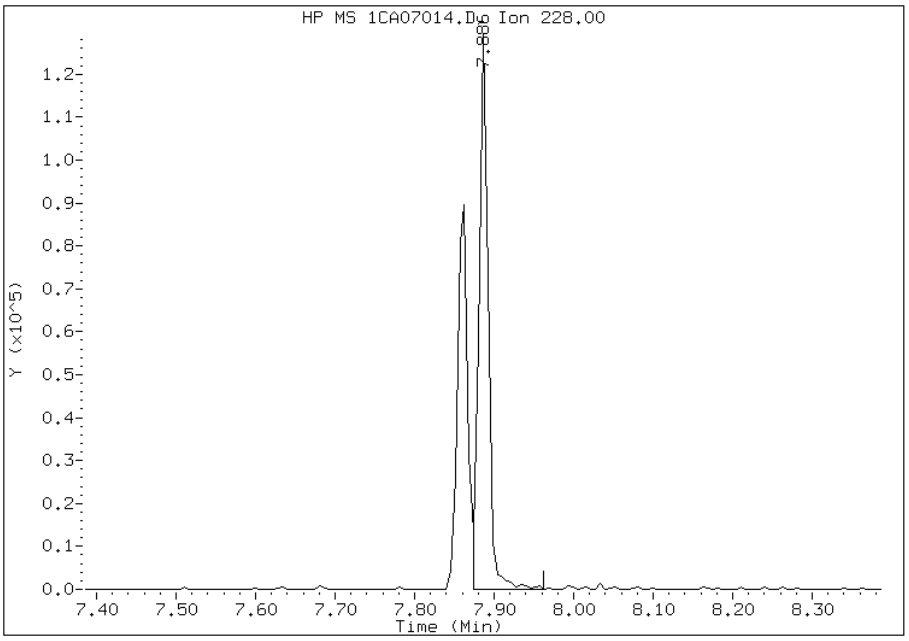
Manual Integration Results

RT: 7.89

Response: 104834

Amount: 1

Conc: 1



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:36
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CA07014.D
Inj. Date and Time: 07-JAN-2013 15:41
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/08/2013

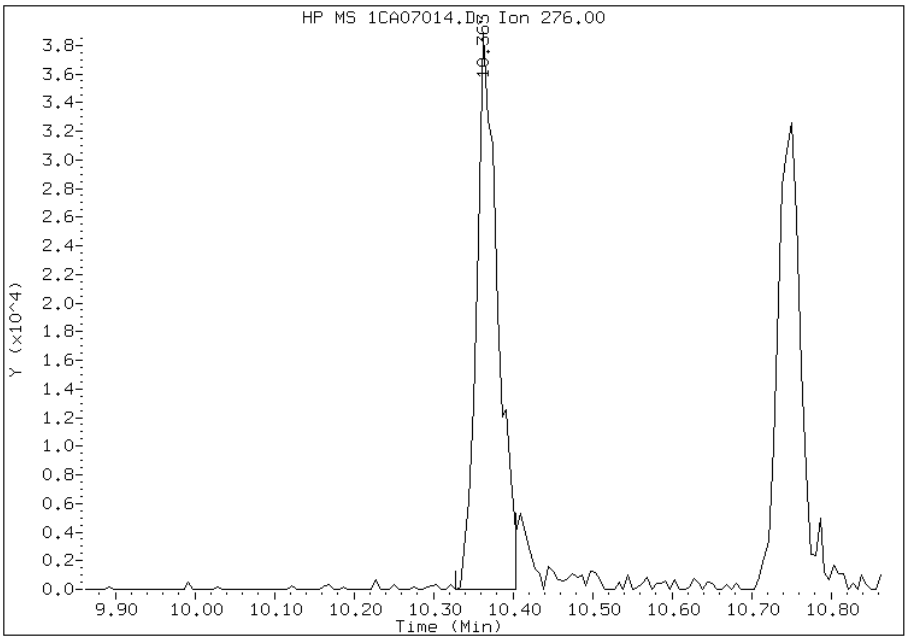
Processing Integration Results

RT: 10.36

Response: 72270

Amount: 1

Conc: 1



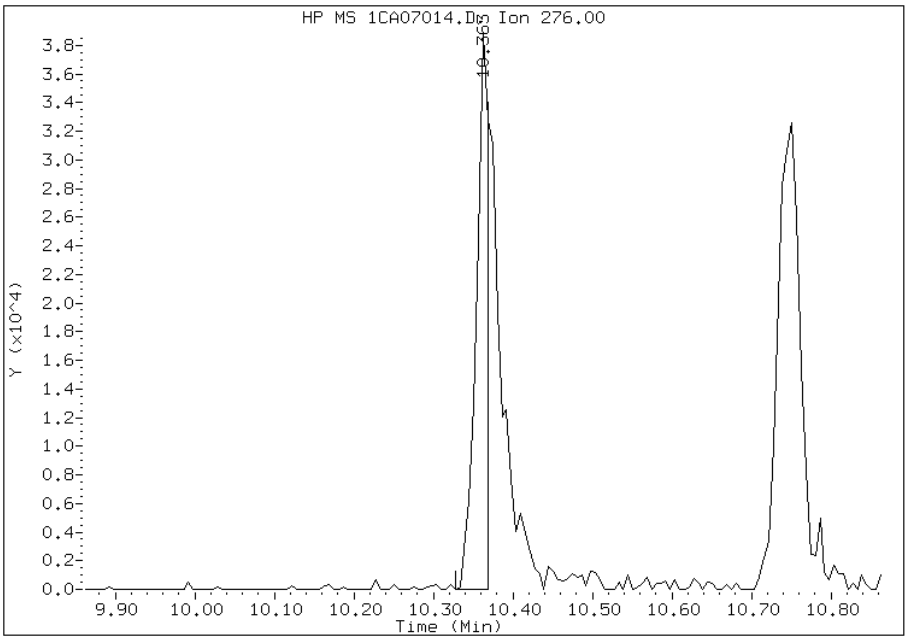
Manual Integration Results

RT: 10.36

Response: 41666

Amount: 1

Conc: 1



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:37
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CA07014.D
Inj. Date and Time: 07-JAN-2013 15:41
Instrument ID: BSMC5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 01/08/2013

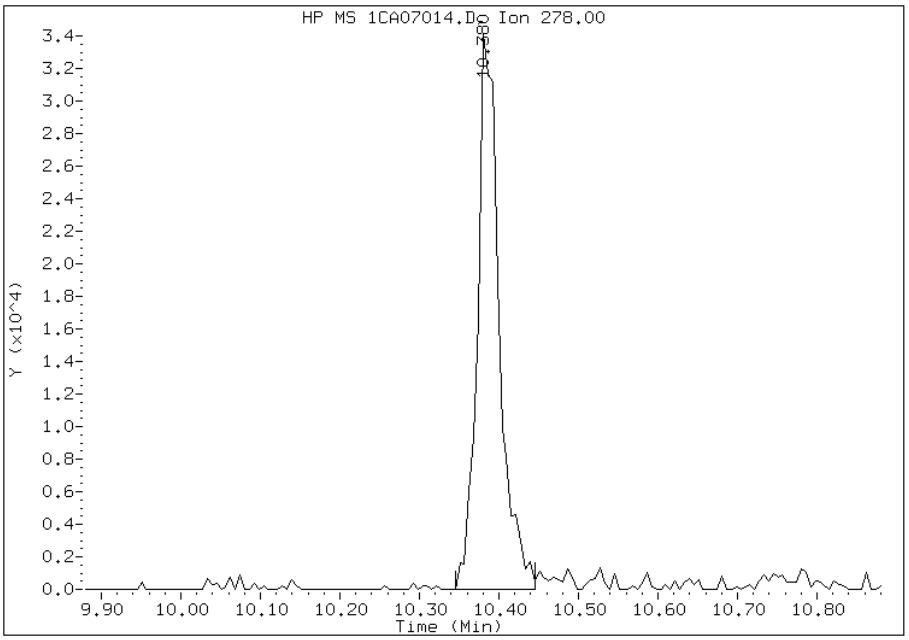
Processing Integration Results

RT: 10.38

Response: 65243

Amount: 1

Conc: 1



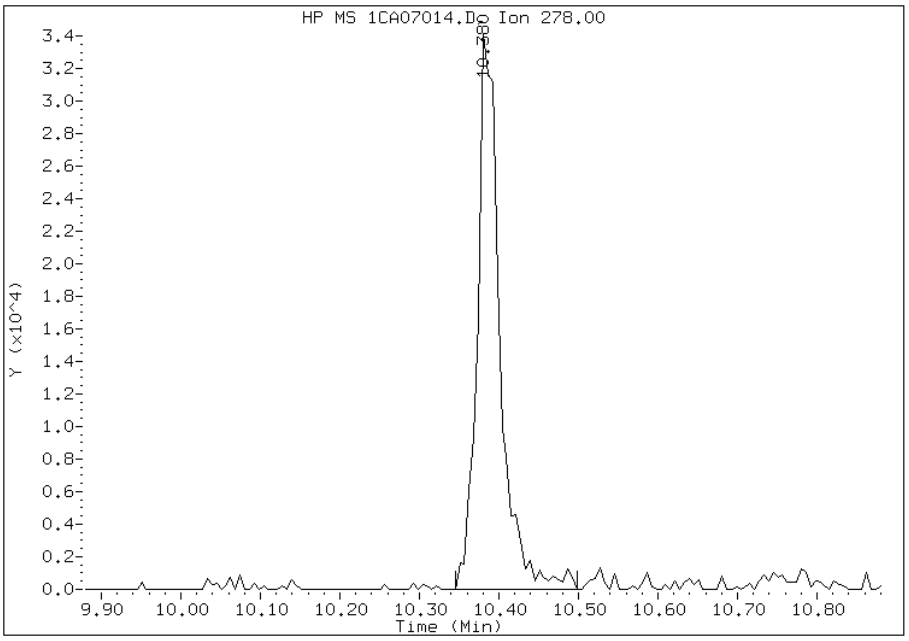
Manual Integration Results

RT: 10.38

Response: 67472

Amount: 1

Conc: 1



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:36
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CA07014.D
Inj. Date and Time: 07-JAN-2013 15:41
Instrument ID: BSMC5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 01/08/2013

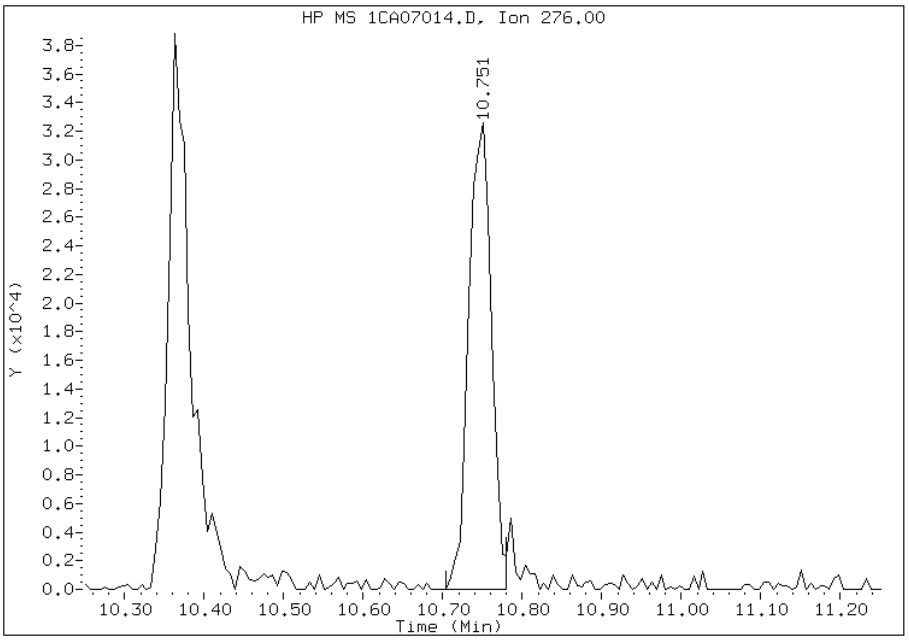
Processing Integration Results

RT: 10.75

Response: 64475

Amount: 1

Conc: 1



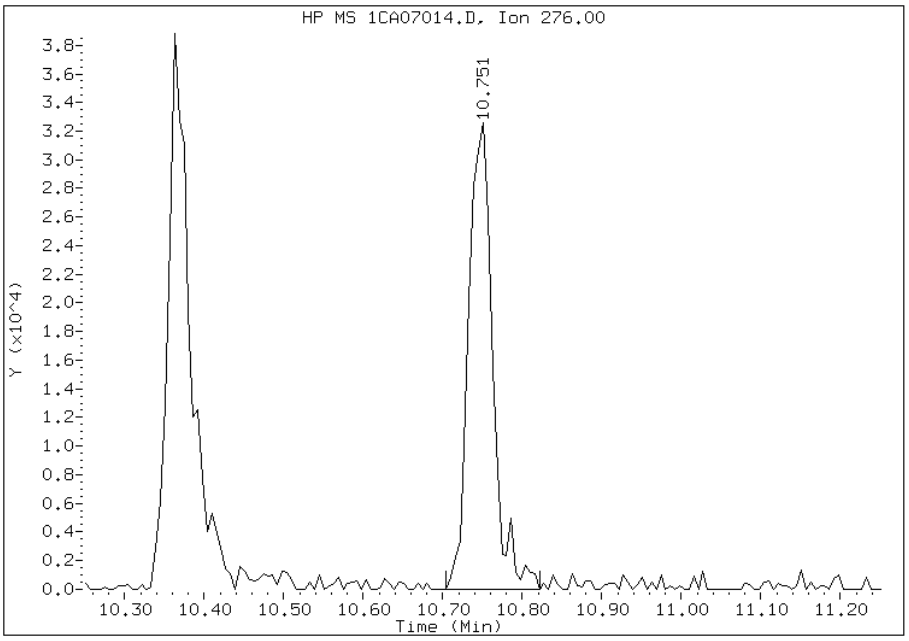
Manual Integration Results

RT: 10.75

Response: 68360

Amount: 1

Conc: 1



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:36
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\1CA07015.D
Lab Smp Id: IC-1489896
Inj Date : 07-JAN-2013 15:59
Operator : SCC Inst ID: BSMC5973.i
Smp Info : IC-1489896
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\a-bFASTPAHi-m.m
Meth Date : 08-Jan-2013 12:40 BSMC5973.i Quant Type: ISTD
Cal Date : 07-JAN-2013 15:41 Cal File: 1CA07014.D
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.869	3.869	(1.000)	2027501	40.0000	
* 6 Acenaphthene-d10	164	4.957	4.957	(1.000)	1502475	40.0000	
* 10 Phenanthrene-d10	188	5.916	5.916	(1.000)	2830661	40.0000	
$ 14 o-Terphenyl	230	6.168	6.168	(1.043)	209857	5.00000	5.0597
* 18 Chrysene-d12	240	7.868	7.868	(1.000)	3347096	40.0000	
* 23 Perylene-d12	264	9.109	9.109	(1.000)	3463066	40.0000	
2 Naphthalene	128	3.880	3.880	(1.003)	279616	5.00000	5.2044
3 2-Methylnaphthalene	142	4.310	4.310	(1.114)	167348	5.00000	4.7904
4 1-Methylnaphthalene	142	4.369	4.369	(1.129)	160060	5.00000	5.0377
5 Acenaphthylene	152	4.869	4.869	(0.982)	277566	5.00000	4.6435
7 Acenaphthene	154	4.974	4.974	(1.004)	177622	5.00000	4.7378
9 Fluorene	166	5.298	5.298	(1.069)	229328	5.00000	4.7653
11 Phenanthrene	178	5.927	5.927	(1.002)	382657	5.00000	4.5288
12 Anthracene	178	5.963	5.963	(1.008)	377684	5.00000	4.9613
13 Carbazole	167	6.074	6.074	(1.027)	311754	5.00000	4.7146
15 Fluoranthene	202	6.774	6.774	(1.145)	411201	5.00000	4.9805
16 Pyrene	202	6.945	6.945	(0.883)	444176	5.00000	4.9847
17 Benzo(a)anthracene	228	7.857	7.857	(0.999)	435113	5.00000	4.7140
19 Chrysene	228	7.886	7.886	(1.002)	465452	5.00000	4.8819
20 Benzo(b)fluoranthene	252	8.739	8.739	(0.959)	409334	5.00000	4.8211
21 Benzo(k)fluoranthene	252	8.762	8.762	(0.962)	463057	5.00000	4.9506
22 Benzo(a)pyrene	252	9.051	9.051	(0.994)	394642	5.00000	4.8847
24 Indeno(1,2,3-cd)pyrene	276	10.368	10.368	(1.138)	352250	5.00000	5.1308(M)
25 Dibenzo(a,h)anthracene	278	10.386	10.386	(1.140)	352888	5.00000	4.8224(M)
26 Benzo(g,h,i)perylene	276	10.751	10.751	(1.180)	397056	5.00000	5.0373(M)

QC Flag Legend

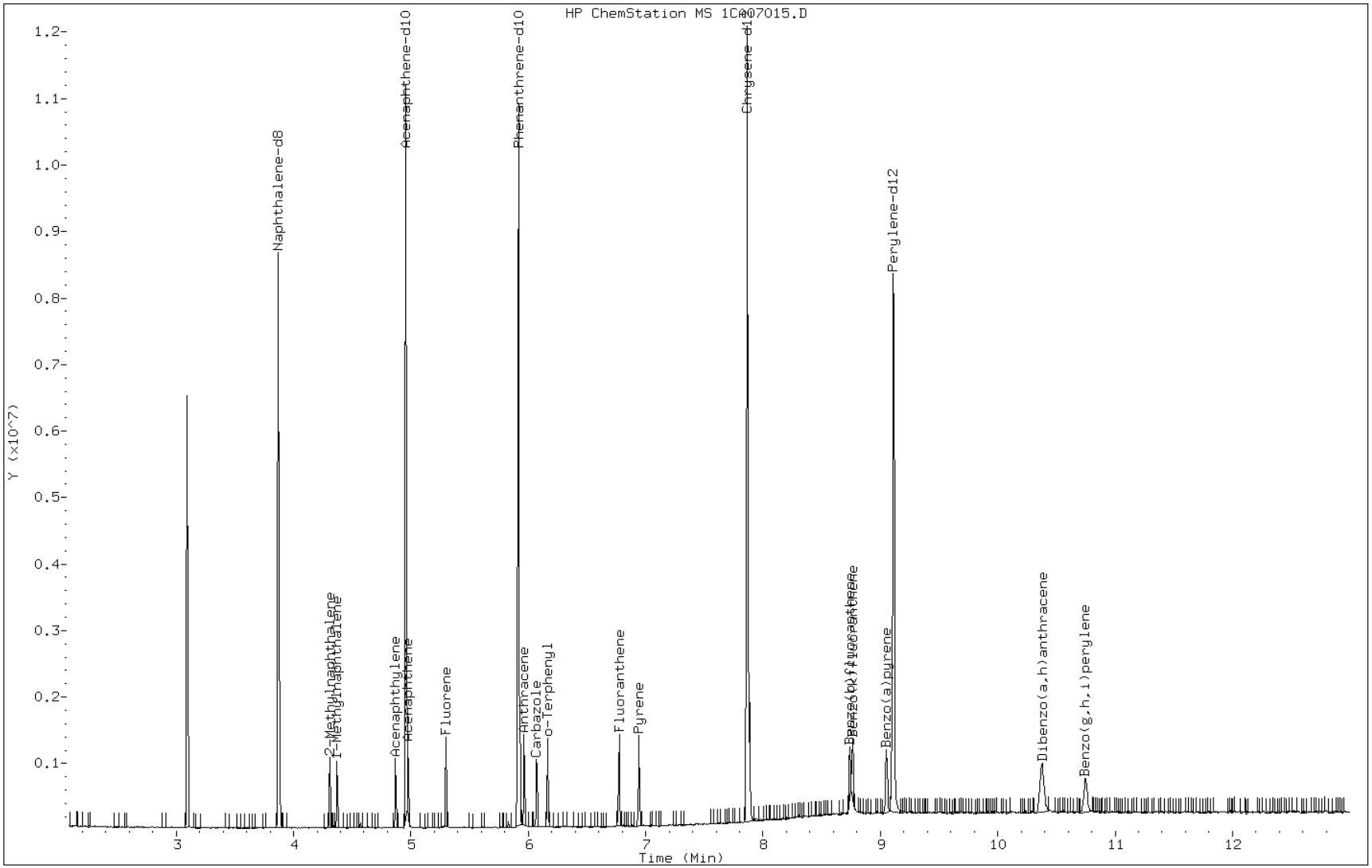
M - Compound response manually integrated.

Data File: 1CA07015.D

Date: 07-JAN-2013 15:59

Client ID: Instrument: BSMC5973.i

Sample Info: IC-1489896 Operator: SCC



Manual Integration Report

Data File: 1CA07015.D
Inj. Date and Time: 07-JAN-2013 15:59
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/08/2013

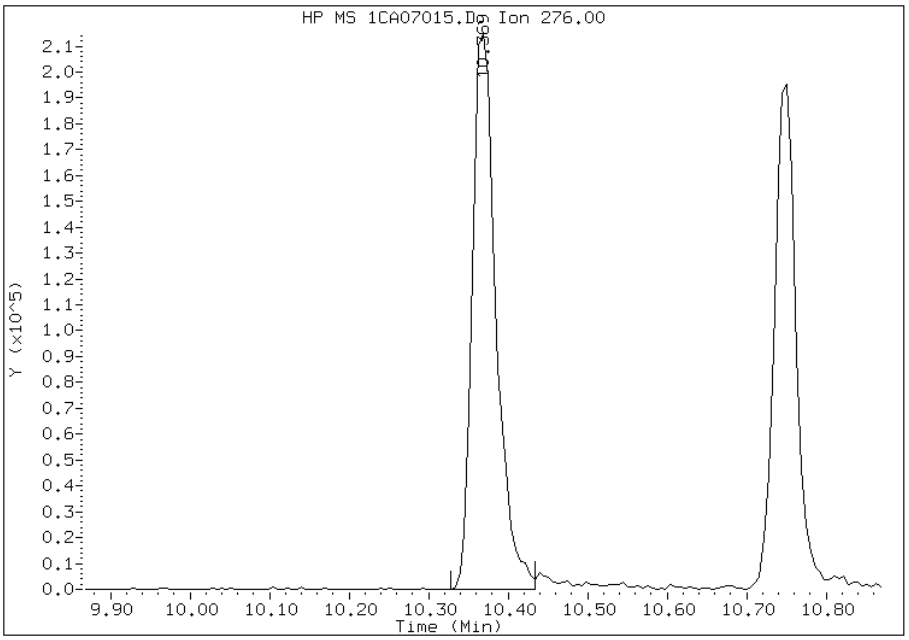
Processing Integration Results

RT: 10.37

Response: 445493

Amount: 6

Conc: 6



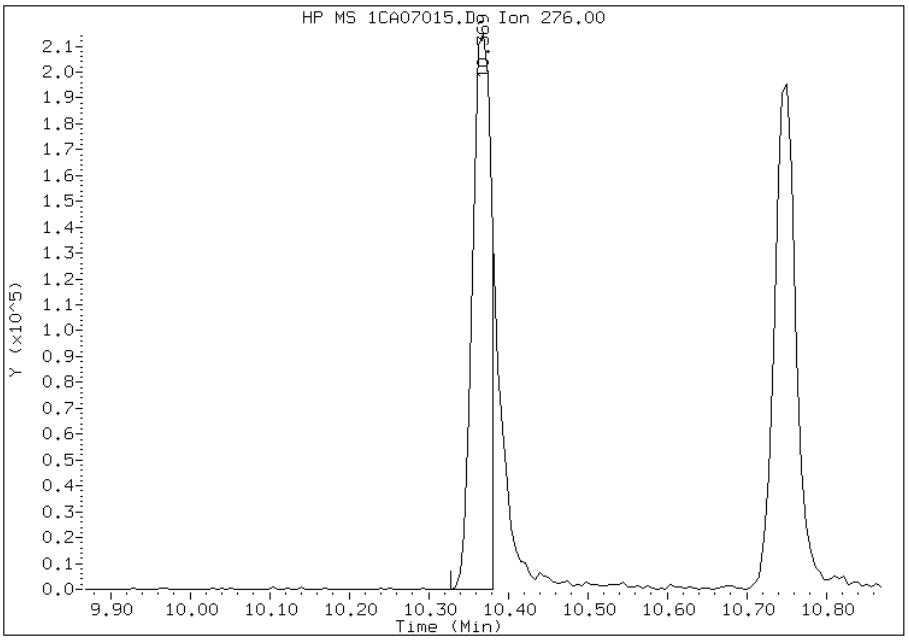
Manual Integration Results

RT: 10.37

Response: 352250

Amount: 5

Conc: 5



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:38
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CA07015.D
Inj. Date and Time: 07-JAN-2013 15:59
Instrument ID: BSMC5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 01/08/2013

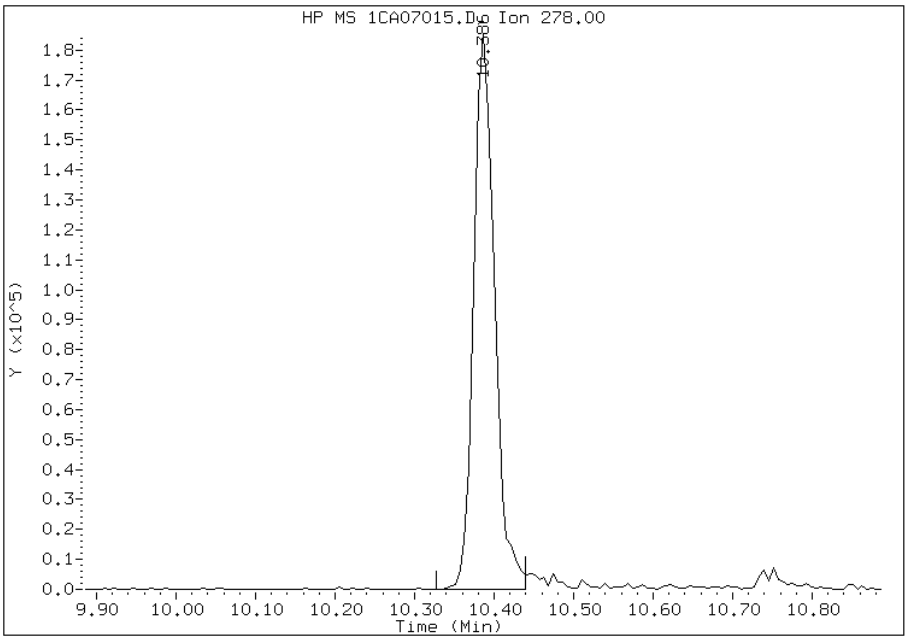
Processing Integration Results

RT: 10.39

Response: 335936

Amount: 5

Conc: 5



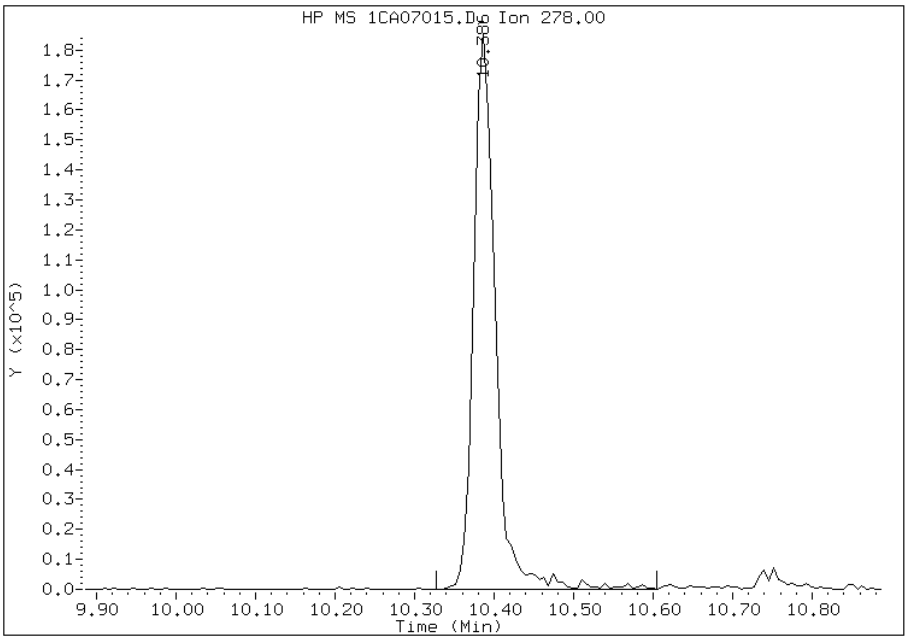
Manual Integration Results

RT: 10.39

Response: 352888

Amount: 5

Conc: 5



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:37
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CA07015.D
Inj. Date and Time: 07-JAN-2013 15:59
Instrument ID: BSMC5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 01/08/2013

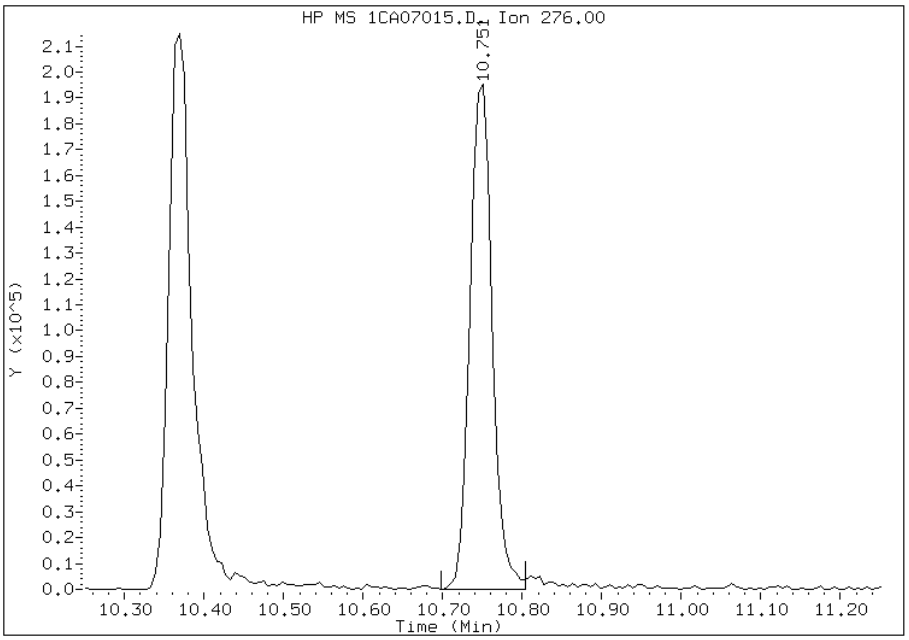
Processing Integration Results

RT: 10.75

Response: 377997

Amount: 5

Conc: 5



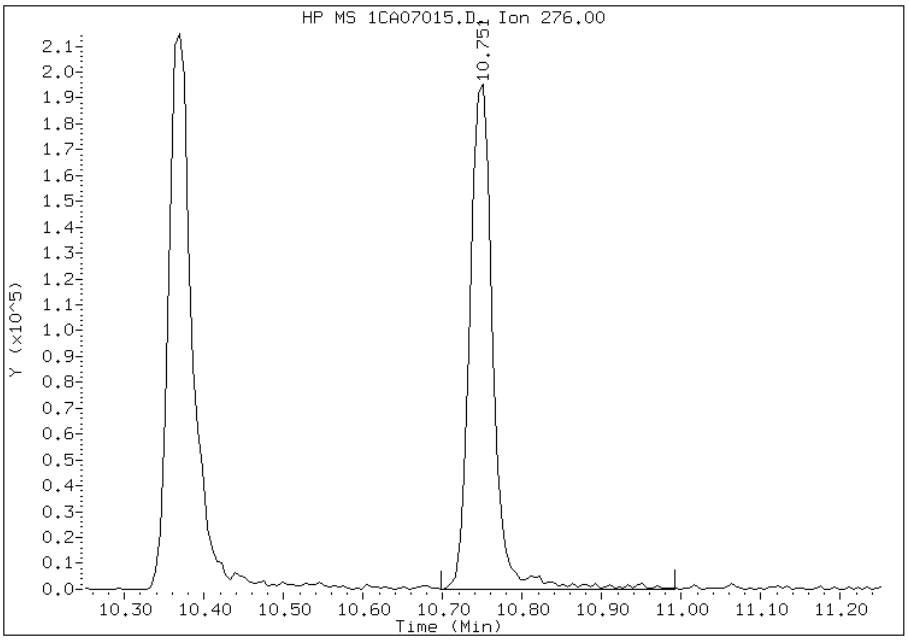
Manual Integration Results

RT: 10.75

Response: 397056

Amount: 5

Conc: 5



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:38
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\1CA07016.D
Lab Smp Id: IC-1489897
Inj Date : 07-JAN-2013 16:18
Operator : SCC Inst ID: BSMC5973.i
Smp Info : IC-1489897
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\a-bFASTPAHi-m.m
Meth Date : 08-Jan-2013 12:40 BSMC5973.i Quant Type: ISTD
Cal Date : 07-JAN-2013 15:59 Cal File: 1CA07015.D
Als bottle: 16 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.868	3.868	(1.000)	2057907	40.0000	
* 6 Acenaphthene-d10	164	4.957	4.957	(1.000)	1506425	40.0000	
* 10 Phenanthrene-d10	188	5.915	5.915	(1.000)	2920094	40.0000	
$ 14 o-Terphenyl	230	6.168	6.168	(1.043)	450297	10.0000	10.5243
* 18 Chrysene-d12	240	7.868	7.868	(1.000)	3577892	40.0000	
* 23 Perylene-d12	264	9.109	9.109	(1.000)	3583032	40.0000	
2 Naphthalene	128	3.880	3.880	(1.003)	562439	10.0000	10.3139
3 2-Methylnaphthalene	142	4.310	4.310	(1.114)	360991	10.0000	10.1808
4 1-Methylnaphthalene	142	4.368	4.368	(1.129)	337071	10.0000	10.4523
5 Acenaphthylene	152	4.868	4.868	(0.982)	597168	10.0000	9.9641
7 Acenaphthene	154	4.974	4.974	(1.004)	380155	10.0000	10.1136
9 Fluorene	166	5.298	5.298	(1.069)	499898	10.0000	10.3604
11 Phenanthrene	178	5.927	5.927	(1.002)	852208	10.0000	9.7771
12 Anthracene	178	5.962	5.962	(1.008)	820090	10.0000	10.4428
13 Carbazole	167	6.068	6.068	(1.026)	704012	10.0000	10.3206
15 Fluoranthene	202	6.774	6.774	(1.145)	893123	10.0000	10.4863
16 Pyrene	202	6.945	6.945	(0.883)	1032505	10.0000	10.8396
17 Benzo(a)anthracene	228	7.856	7.856	(0.999)	948119	10.0000	9.6094
19 Chrysene	228	7.886	7.886	(1.002)	1039885	10.0000	10.2033
20 Benzo(b)fluoranthene	252	8.739	8.739	(0.959)	924867	10.0000	10.5284
21 Benzo(k)fluoranthene	252	8.762	8.762	(0.962)	1029821	10.0000	10.6413
22 Benzo(a)pyrene	252	9.050	9.050	(0.994)	891772	10.0000	10.6685
24 Indeno(1,2,3-cd)pyrene	276	10.368	10.368	(1.138)	744949	10.0000	10.4876(M)
25 Dibenzo(a,h)anthracene	278	10.386	10.386	(1.140)	785898	10.0000	10.3803(M)
26 Benzo(g,h,i)perylene	276	10.744	10.744	(1.179)	865965	10.0000	10.6183(M)

QC Flag Legend

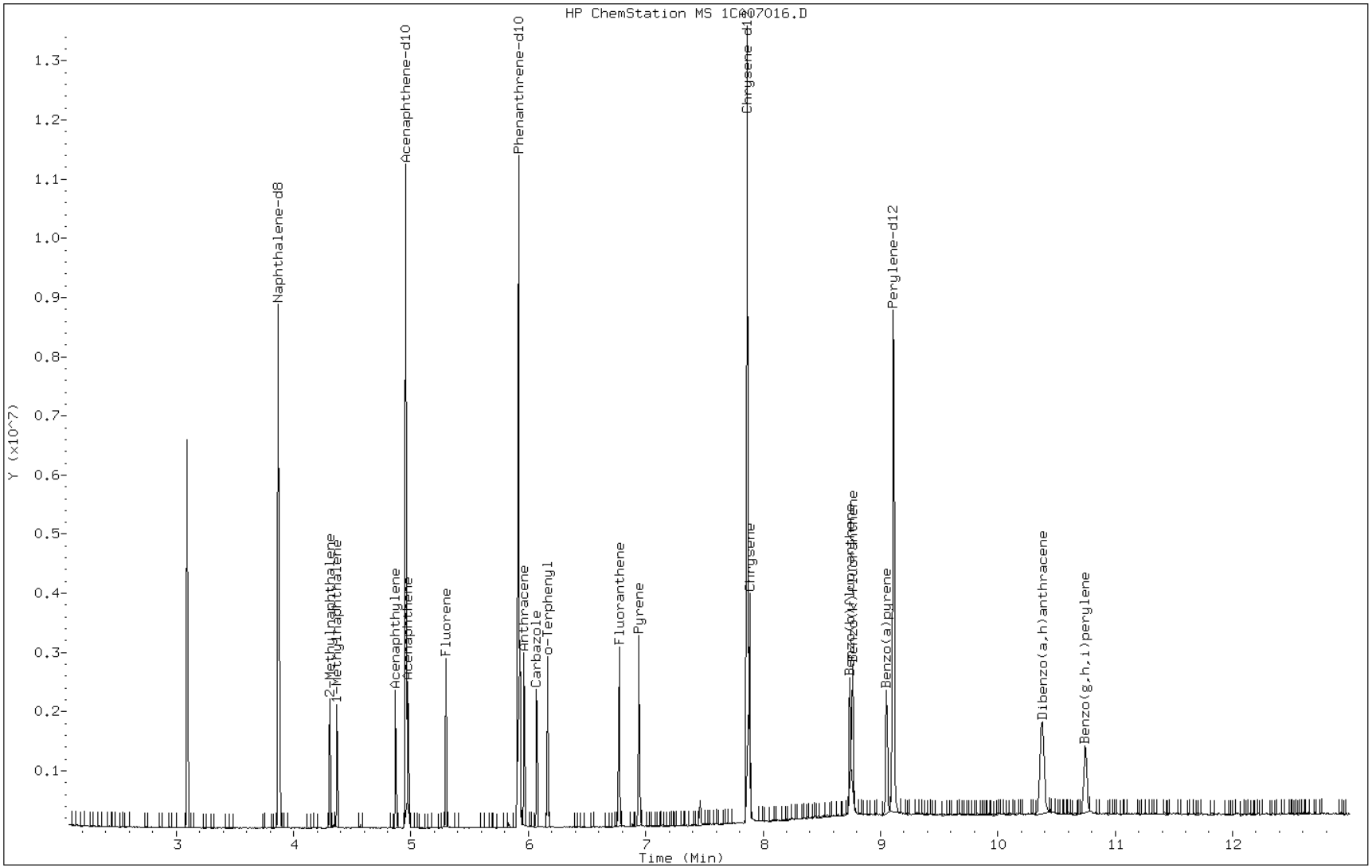
M - Compound response manually integrated.

Data File: 1CA07016.D

Date: 07-JAN-2013 16:18

Client ID: Instrument: BSMC5973.i

Sample Info: IC-1489897 Operator: SCC



Manual Integration Report

Data File: 1CA07016.D
Inj. Date and Time: 07-JAN-2013 16:18
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/08/2013

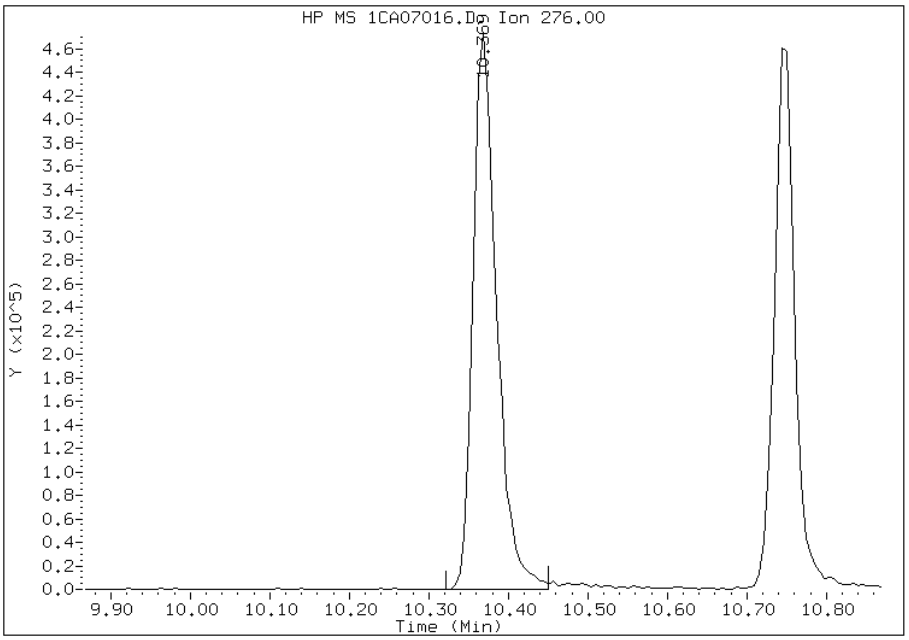
Processing Integration Results

RT: 10.37

Response: 970985

Amount: 12

Conc: 12



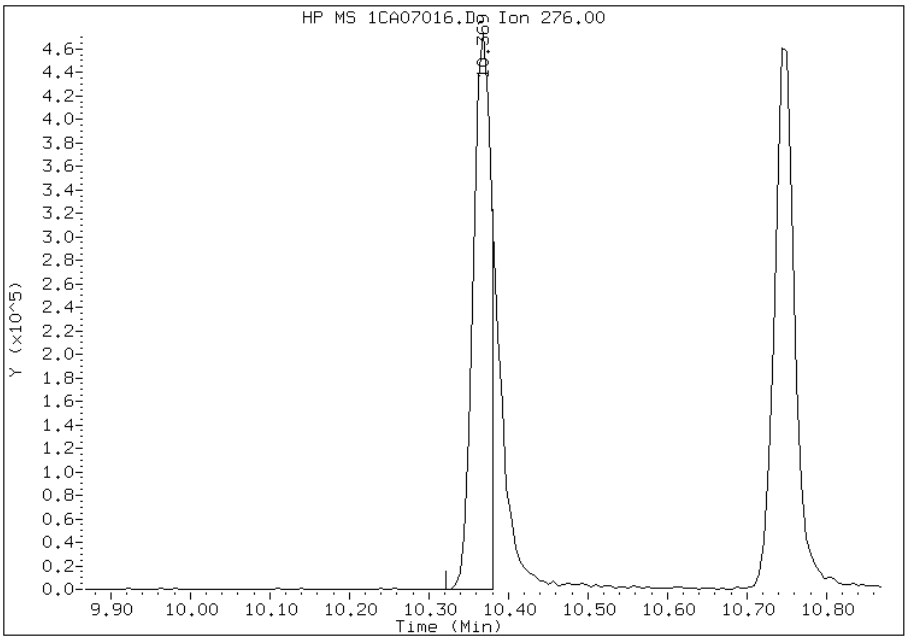
Manual Integration Results

RT: 10.37

Response: 744949

Amount: 10

Conc: 10



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:39
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CA07016.D
Inj. Date and Time: 07-JAN-2013 16:18
Instrument ID: BSMC5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 01/08/2013

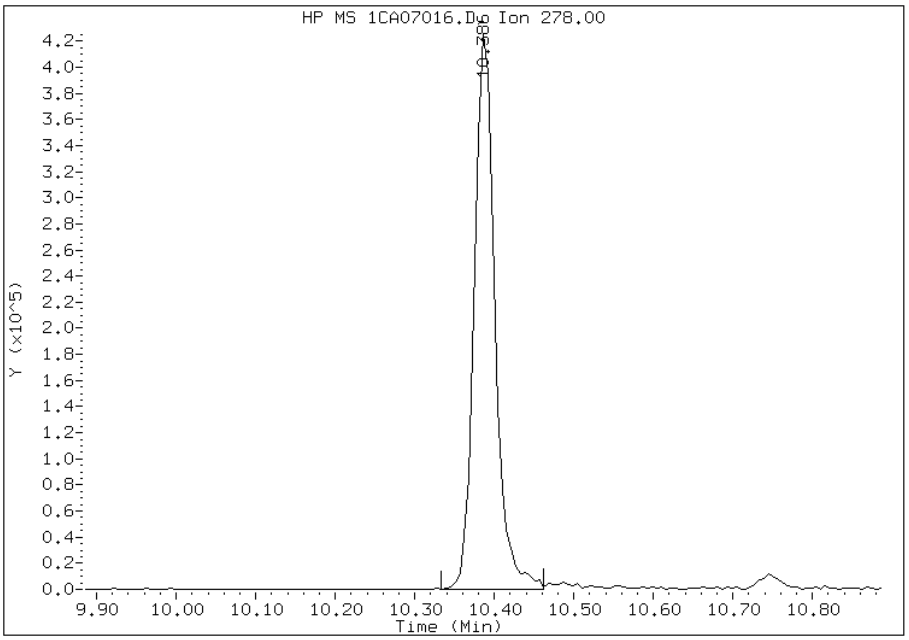
Processing Integration Results

RT: 10.39

Response: 764351

Amount: 10

Conc: 10



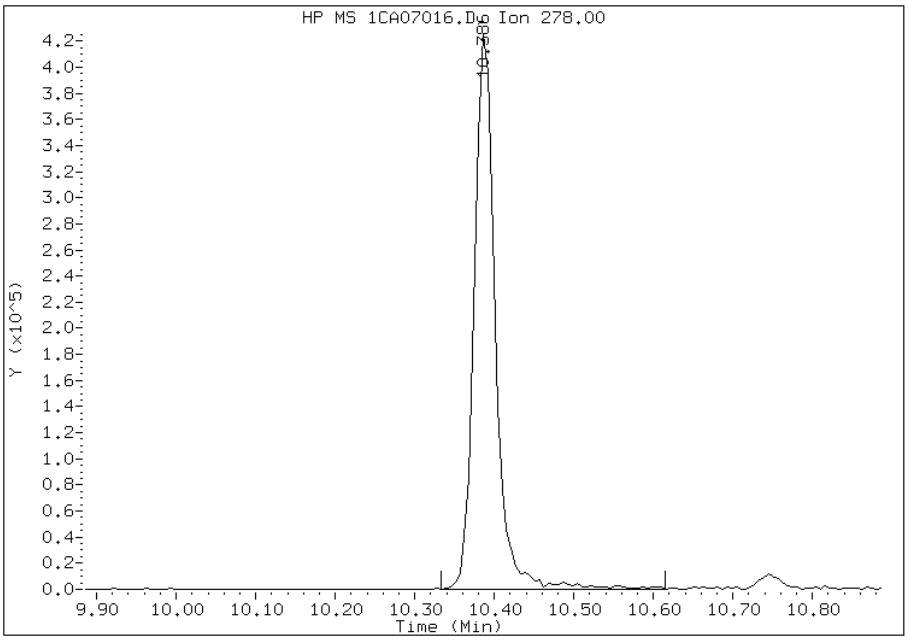
Manual Integration Results

RT: 10.39

Response: 785898

Amount: 10

Conc: 10



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:38
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CA07016.D
Inj. Date and Time: 07-JAN-2013 16:18
Instrument ID: BSMC5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 01/08/2013

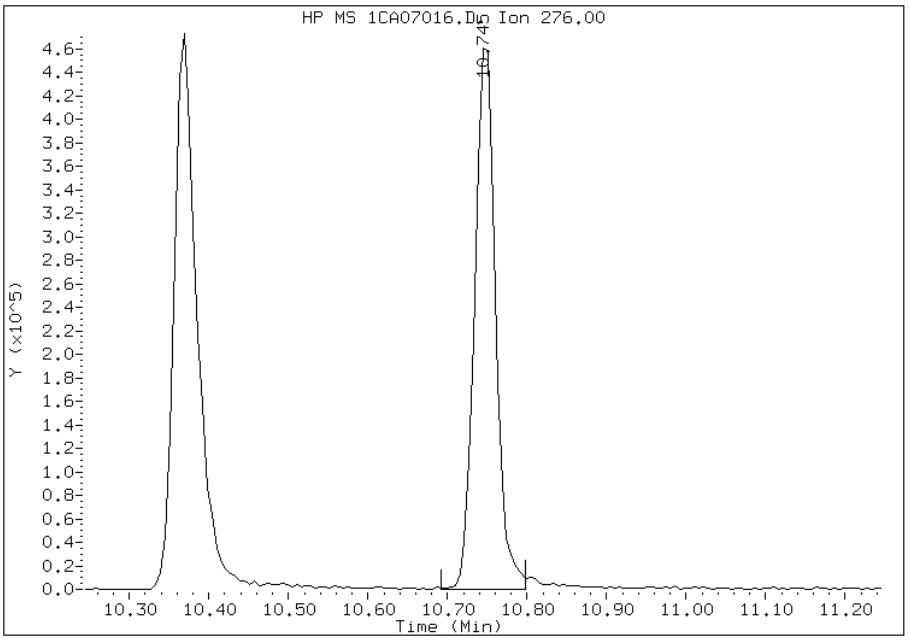
Processing Integration Results

RT: 10.74

Response: 835718

Amount: 10

Conc: 10



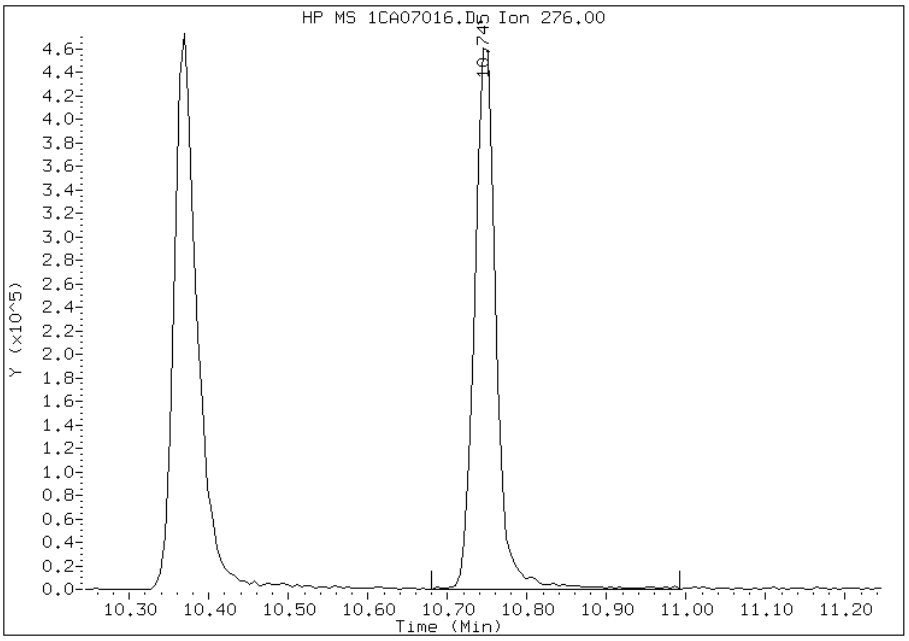
Manual Integration Results

RT: 10.74

Response: 865965

Amount: 11

Conc: 11



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:39
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\1CA07017.D
Lab Smp Id: ICIS-1489898
Inj Date : 07-JAN-2013 16:36
Operator : SCC Inst ID: BSMC5973.i
Smp Info : ICIS-1489898
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\a-bFASTPAHi-m.m
Meth Date : 08-Jan-2013 12:40 BSMC5973.i Quant Type: ISTD
Cal Date : 07-JAN-2013 16:18 Cal File: 1CA07016.D
Als bottle: 17 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.868	3.868	(1.000)	2194838	40.0000	
* 6 Acenaphthene-d10	164	4.957	4.957	(1.000)	1653478	40.0000	
* 10 Phenanthrene-d10	188	5.915	5.915	(1.000)	3141284	40.0000	
$ 14 o-Terphenyl	230	6.168	6.168	(1.043)	943151	20.0000	20.4912
* 18 Chrysene-d12	240	7.868	7.868	(1.000)	3787207	40.0000	
* 23 Perylene-d12	264	9.109	9.109	(1.000)	3790527	40.0000	
2 Naphthalene	128	3.880	3.880	(1.003)	1132608	20.0000	19.4738
3 2-Methylnaphthalene	142	4.310	4.310	(1.114)	738557	20.0000	19.5296
4 1-Methylnaphthalene	142	4.368	4.368	(1.129)	714057	20.0000	20.7609
5 Acenaphthylene	152	4.868	4.868	(0.982)	1333542	20.0000	20.2720
7 Acenaphthene	154	4.974	4.974	(1.004)	777625	20.0000	18.8479
9 Fluorene	166	5.298	5.298	(1.069)	1052584	20.0000	19.8748
11 Phenanthrene	178	5.927	5.927	(1.002)	1725035	20.0000	18.3973
12 Anthracene	178	5.962	5.962	(1.008)	1722588	20.0000	20.3906
13 Carbazole	167	6.074	6.074	(1.027)	1516911	20.0000	20.6718
15 Fluoranthene	202	6.774	6.774	(1.145)	1958378	20.0000	21.3746
16 Pyrene	202	6.945	6.945	(0.883)	2128584	20.0000	21.1117
17 Benzo(a)anthracene	228	7.856	7.856	(0.999)	1936797	20.0000	18.5450
19 Chrysene	228	7.886	7.886	(1.002)	2079538	20.0000	19.2766
20 Benzo(b)fluoranthene	252	8.739	8.739	(0.959)	1891292	20.0000	20.3514
21 Benzo(k)fluoranthene	252	8.762	8.762	(0.962)	2181246	20.0000	21.3054
22 Benzo(a)pyrene	252	9.056	9.056	(0.994)	1856241	20.0000	20.9912
24 Indeno(1,2,3-cd)pyrene	276	10.368	10.368	(1.138)	1706161	20.0000	22.7051(M)
25 Dibenzo(a,h)anthracene	278	10.392	10.392	(1.141)	1627151	20.0000	20.3153(M)
26 Benzo(g,h,i)perylene	276	10.750	10.750	(1.180)	1745002	20.0000	20.2256(M)

QC Flag Legend

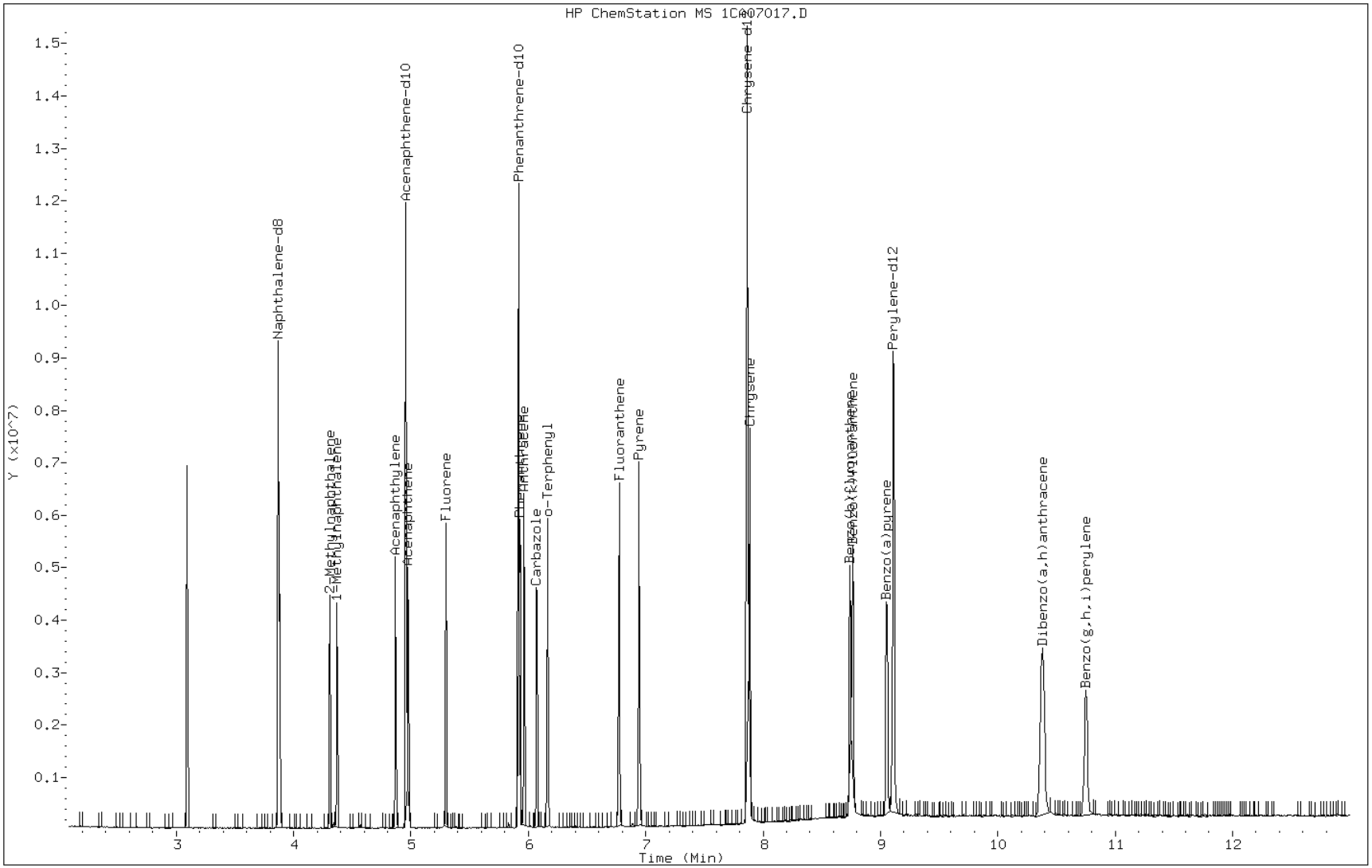
M - Compound response manually integrated.

Data File: 1CA07017.D

Date: 07-JAN-2013 16:36

Client ID: Instrument: BSMC5973.i

Sample Info: ICIS-1489898 Operator: SCC



Manual Integration Report

Data File: 1CA07017.D
Inj. Date and Time: 07-JAN-2013 16:36
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/08/2013

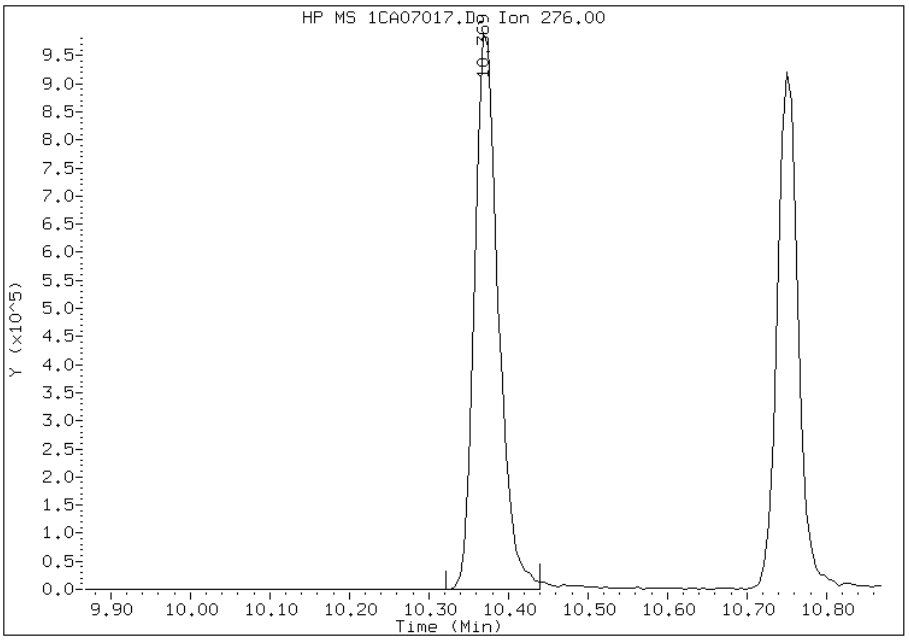
Processing Integration Results

RT: 10.37

Response: 2044337

Amount: 23

Conc: 23



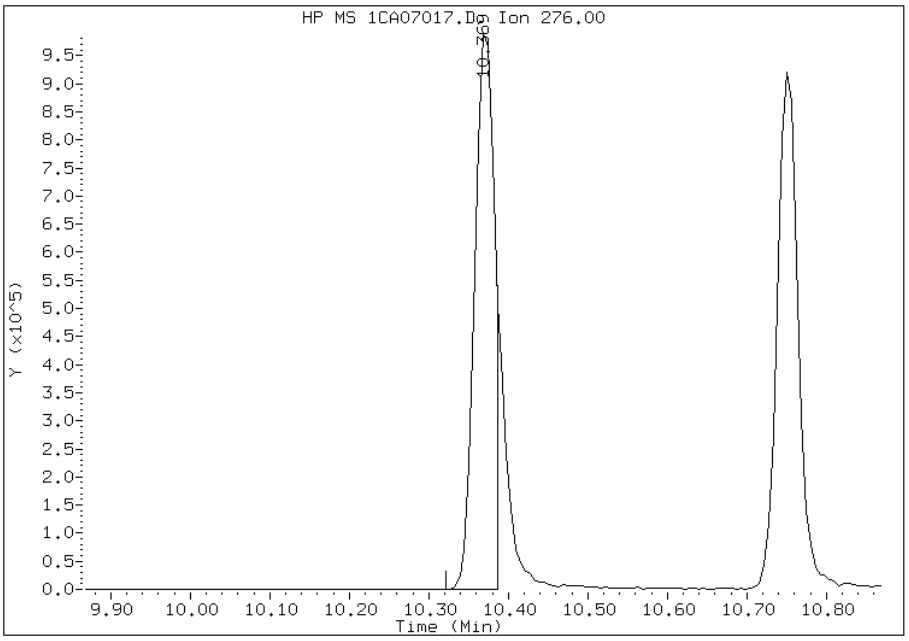
Manual Integration Results

RT: 10.37

Response: 1706161

Amount: 23

Conc: 23



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:32
Manual Integration Reason: Split Peak

Manual Integration Report

Data File: 1CA07017.D
Inj. Date and Time: 07-JAN-2013 16:36
Instrument ID: BSMC5973.i
Client ID:
Compound: 25 Dibenzo(a,h)anthracene
CAS #: 53-70-3
Report Date: 01/08/2013

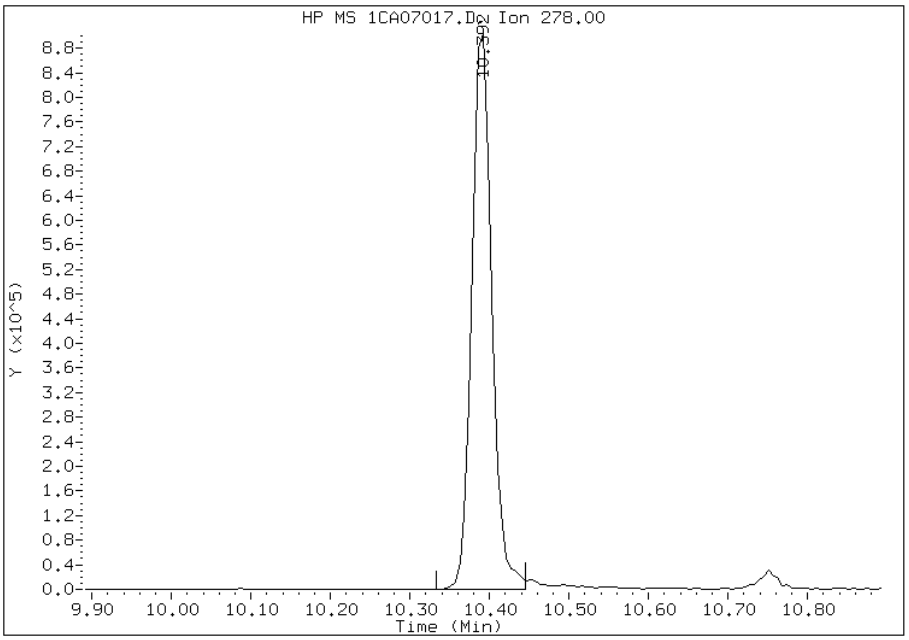
Processing Integration Results

RT: 10.39

Response: 1569221

Amount: 19

Conc: 19



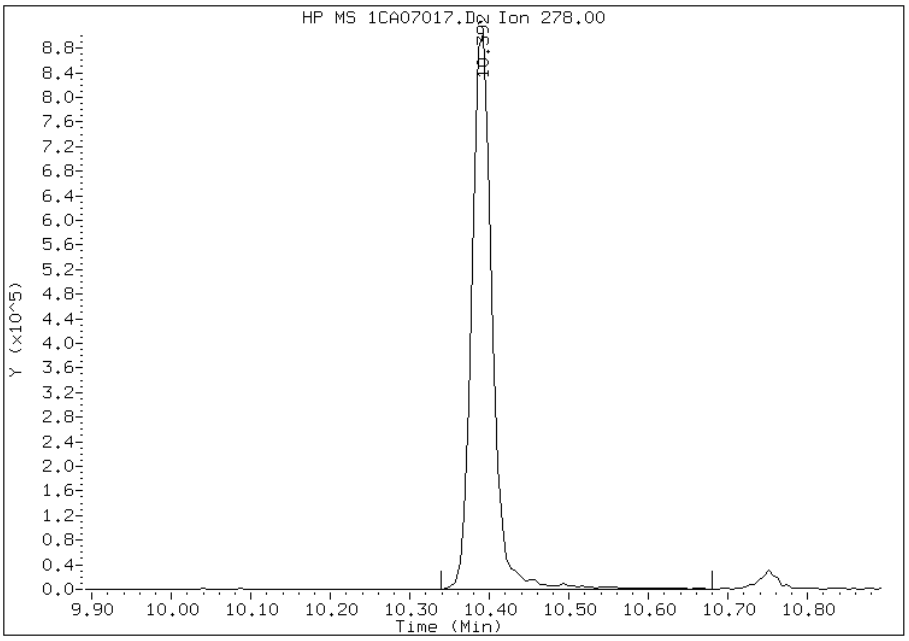
Manual Integration Results

RT: 10.39

Response: 1627151

Amount: 20

Conc: 20



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:32
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1CA07017.D
Inj. Date and Time: 07-JAN-2013 16:36
Instrument ID: BSMC5973.i
Client ID:
Compound: 26 Benzo(g,h,i)perylene
CAS #: 191-24-2
Report Date: 01/08/2013

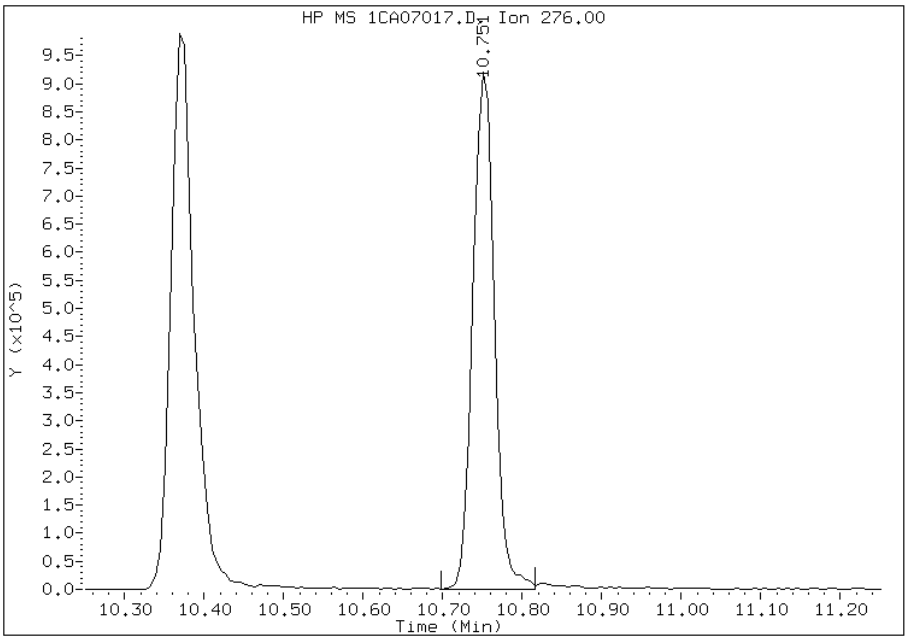
Processing Integration Results

RT: 10.75

Response: 1711397

Amount: 19

Conc: 19



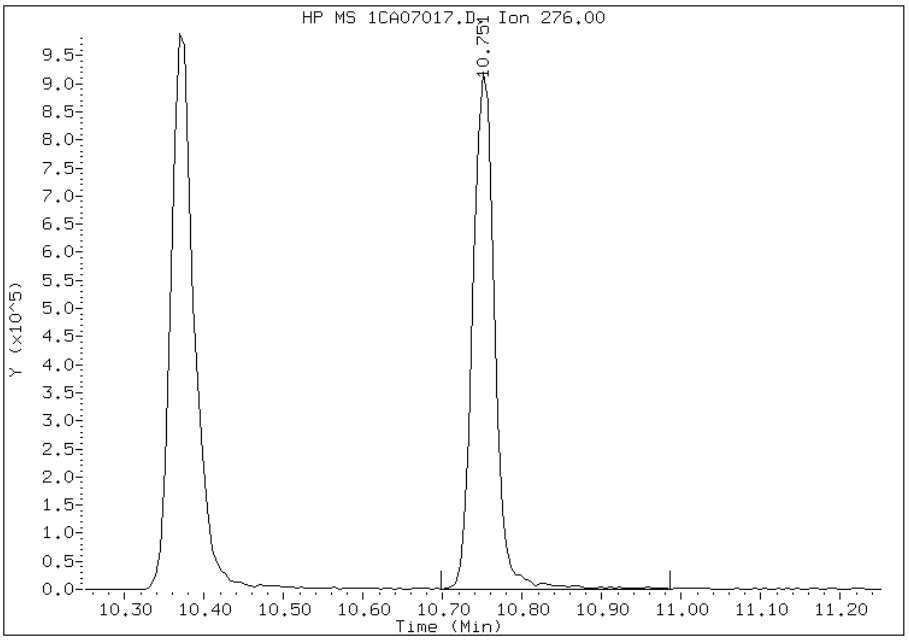
Manual Integration Results

RT: 10.75

Response: 1745002

Amount: 20

Conc: 20



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:32
Manual Integration Reason: Baseline Event

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\1CA07018.D
Lab Smp Id: IC-1489899
Inj Date : 07-JAN-2013 16:54
Operator : SCC Inst ID: BSMC5973.i
Smp Info : IC-1489899
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\a-bFASTPAHi-m.m
Meth Date : 08-Jan-2013 12:40 BSMC5973.i Quant Type: ISTD
Cal Date : 07-JAN-2013 16:36 Cal File: 1CA07017.D
Als bottle: 18 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.869	3.869	(1.000)	2206384	40.0000	
* 6 Acenaphthene-d10	164	4.957	4.957	(1.000)	1682844	40.0000	
* 10 Phenanthrene-d10	188	5.916	5.916	(1.000)	3224181	40.0000	
$ 14 o-Terphenyl	230	6.169	6.169	(1.043)	1447125	30.0000	30.6324
* 18 Chrysene-d12	240	7.868	7.868	(1.000)	3659777	40.0000	
* 23 Perylene-d12	264	9.109	9.109	(1.000)	3629385	40.0000	
2 Naphthalene	128	3.880	3.880	(1.003)	1744899	30.0000	29.8445
3 2-Methylnaphthalene	142	4.310	4.310	(1.114)	1125305	30.0000	29.6006
4 1-Methylnaphthalene	142	4.369	4.369	(1.129)	1099203	30.0000	31.7916
5 Acenaphthylene	152	4.869	4.869	(0.982)	2078096	30.0000	31.0392
7 Acenaphthene	154	4.974	4.974	(1.004)	1212087	30.0000	28.8657
9 Fluorene	166	5.298	5.298	(1.069)	1642686	30.0000	30.4758
11 Phenanthrene	178	5.927	5.927	(1.002)	2725408	30.0000	28.3189
12 Anthracene	178	5.963	5.963	(1.008)	2681981	30.0000	30.9308
13 Carbazole	167	6.074	6.074	(1.027)	2392859	30.0000	31.7704
15 Fluoranthene	202	6.774	6.774	(1.145)	2977438	30.0000	31.6615
16 Pyrene	202	6.945	6.945	(0.883)	3254878	30.0000	33.4065
17 Benzo(a)anthracene	228	7.857	7.857	(0.999)	2964525	30.0000	29.3740
19 Chrysene	228	7.886	7.886	(1.002)	3031738	30.0000	29.0818
20 Benzo(b)fluoranthene	252	8.739	8.739	(0.959)	2773683	30.0000	31.1717
21 Benzo(k)fluoranthene	252	8.762	8.762	(0.962)	3267104	30.0000	33.3285
22 Benzo(a)pyrene	252	9.057	9.057	(0.994)	2808161	30.0000	33.1659
24 Indeno(1,2,3-cd)pyrene	276	10.374	10.374	(1.139)	2564602	30.0000	35.6443(M)
25 Dibenzo(a,h)anthracene	278	10.392	10.392	(1.141)	2451088	30.0000	31.9610
26 Benzo(g,h,i)perylene	276	10.756	10.756	(1.181)	2713188	30.0000	32.8438

QC Flag Legend

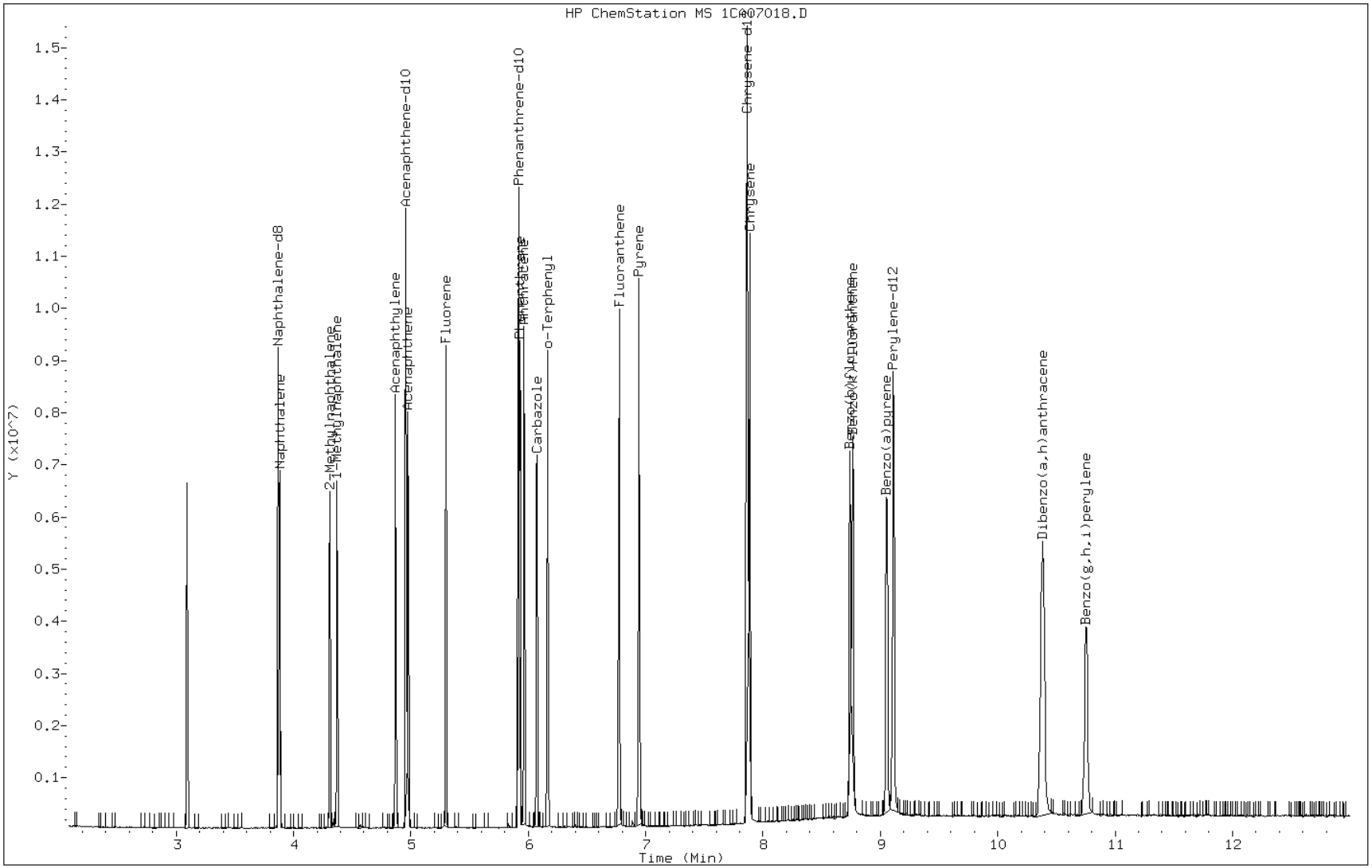
M - Compound response manually integrated.

Data File: 1CA07018.D

Date: 07-JAN-2013 16:54

Client ID: Instrument: BSMC5973.i

Sample Info: IC-1489899 Operator: SCC



Manual Integration Report

Data File: 1CA07018.D
Inj. Date and Time: 07-JAN-2013 16:54
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/08/2013

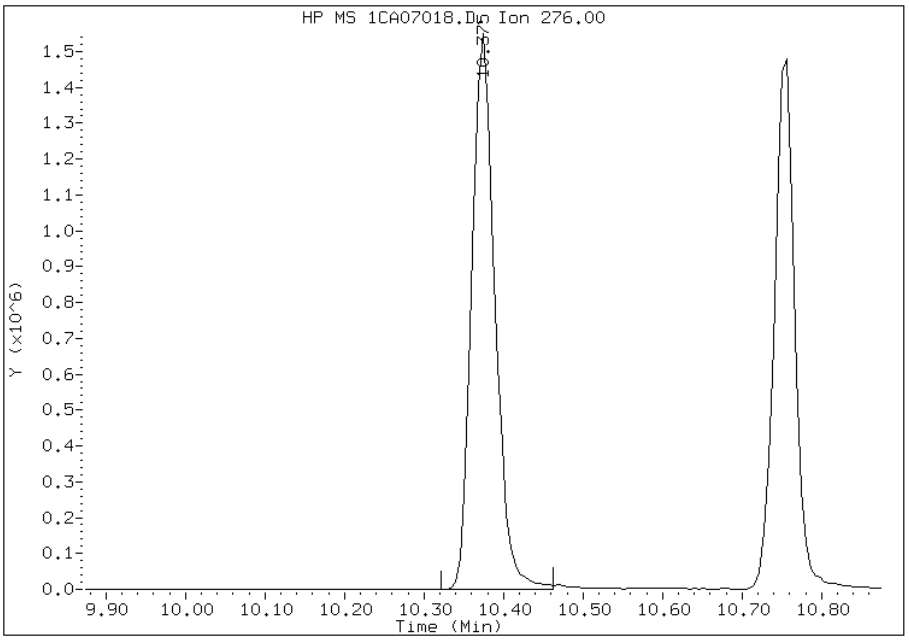
Processing Integration Results

RT: 10.37

Response: 3123860

Amount: 35

Conc: 35



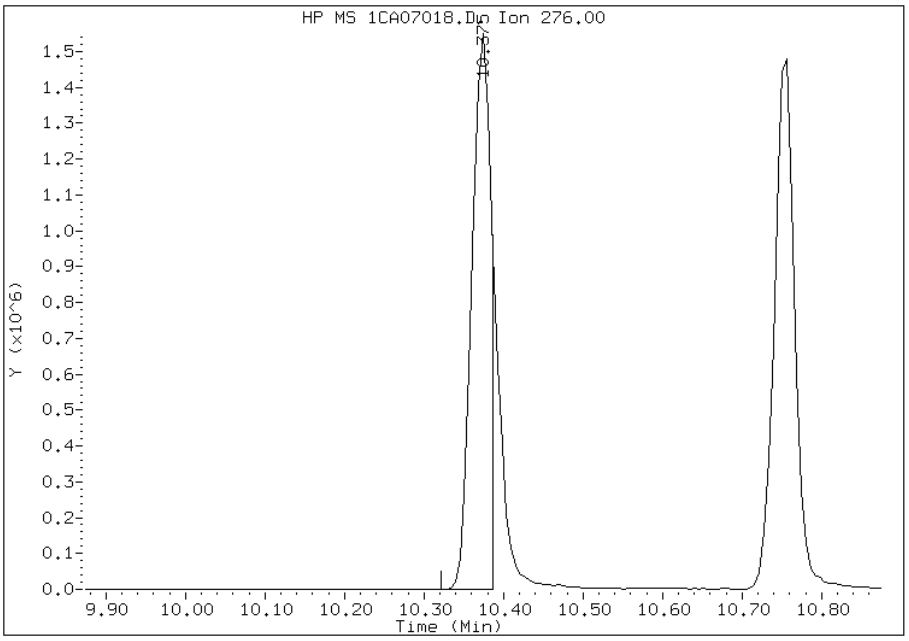
Manual Integration Results

RT: 10.37

Response: 2564602

Amount: 36

Conc: 36



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:39
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\1CA07019.D
Lab Smp Id: IC-1489900
Inj Date : 07-JAN-2013 17:13
Operator : SCC Inst ID: BSMC5973.i
Smp Info : IC-1489900
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\a-bFASTPAHi-m.m
Meth Date : 08-Jan-2013 12:41 BSMC5973.i Quant Type: ISTD
Cal Date : 07-JAN-2013 16:54 Cal File: 1CA07018.D
Als bottle: 19 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.869	3.869	(1.000)	1965517	40.0000	
* 6 Acenaphthene-d10	164	4.957	4.957	(1.000)	1517262	40.0000	
* 10 Phenanthrene-d10	188	5.916	5.916	(1.000)	2863889	40.0000	
$ 14 o-Terphenyl	230	6.168	6.168	(1.043)	2145891	50.0000	51.1382(A)
* 18 Chrysene-d12	240	7.868	7.868	(1.000)	3447806	40.0000	
* 23 Perylene-d12	264	9.115	9.115	(1.000)	3425001	40.0000	
2 Naphthalene	128	3.880	3.880	(1.003)	2683662	50.0000	51.5260(A)
3 2-Methylnaphthalene	142	4.310	4.310	(1.114)	1715115	50.0000	50.6441(A)
4 1-Methylnaphthalene	142	4.369	4.369	(1.129)	1642265	50.0000	53.3190(A)
5 Acenaphthylene	152	4.869	4.869	(0.982)	3143102	50.0000	52.0699(A)
7 Acenaphthene	154	4.974	4.974	(1.004)	1826987	50.0000	48.2578
9 Fluorene	166	5.298	5.298	(1.069)	2448772	50.0000	50.3886(A)
11 Phenanthrene	178	5.933	5.933	(1.003)	3980821	50.0000	46.5673
12 Anthracene	178	5.963	5.963	(1.008)	4020655	50.0000	52.2031(A)
13 Carbazole	167	6.074	6.074	(1.027)	3531798	50.0000	52.7916(A)
15 Fluoranthene	202	6.774	6.774	(1.145)	4473693	50.0000	53.5573(A)
16 Pyrene	202	6.945	6.945	(0.883)	4789001	50.0000	52.1740(A)
17 Benzo(a)anthracene	228	7.862	7.862	(0.999)	4538204	50.0000	47.7313
19 Chrysene	228	7.892	7.892	(1.003)	4663655	50.0000	47.4863
20 Benzo(b)fluoranthene	252	8.745	8.745	(0.959)	4834833	50.0000	57.5782(A)
21 Benzo(k)fluoranthene	252	8.768	8.768	(0.962)	4750961	50.0000	51.3578(A)
22 Benzo(a)pyrene	252	9.056	9.056	(0.994)	4467973	50.0000	55.9181(A)
24 Indeno(1,2,3-cd)pyrene	276	10.374	10.374	(1.138)	3772962	50.0000	55.5680(AM)
25 Dibenzo(a,h)anthracene	278	10.392	10.392	(1.140)	3909634	50.0000	54.0220(A)
26 Benzo(g,h,i)perylene	276	10.762	10.762	(1.181)	4151782	50.0000	53.2574(A)

QC Flag Legend

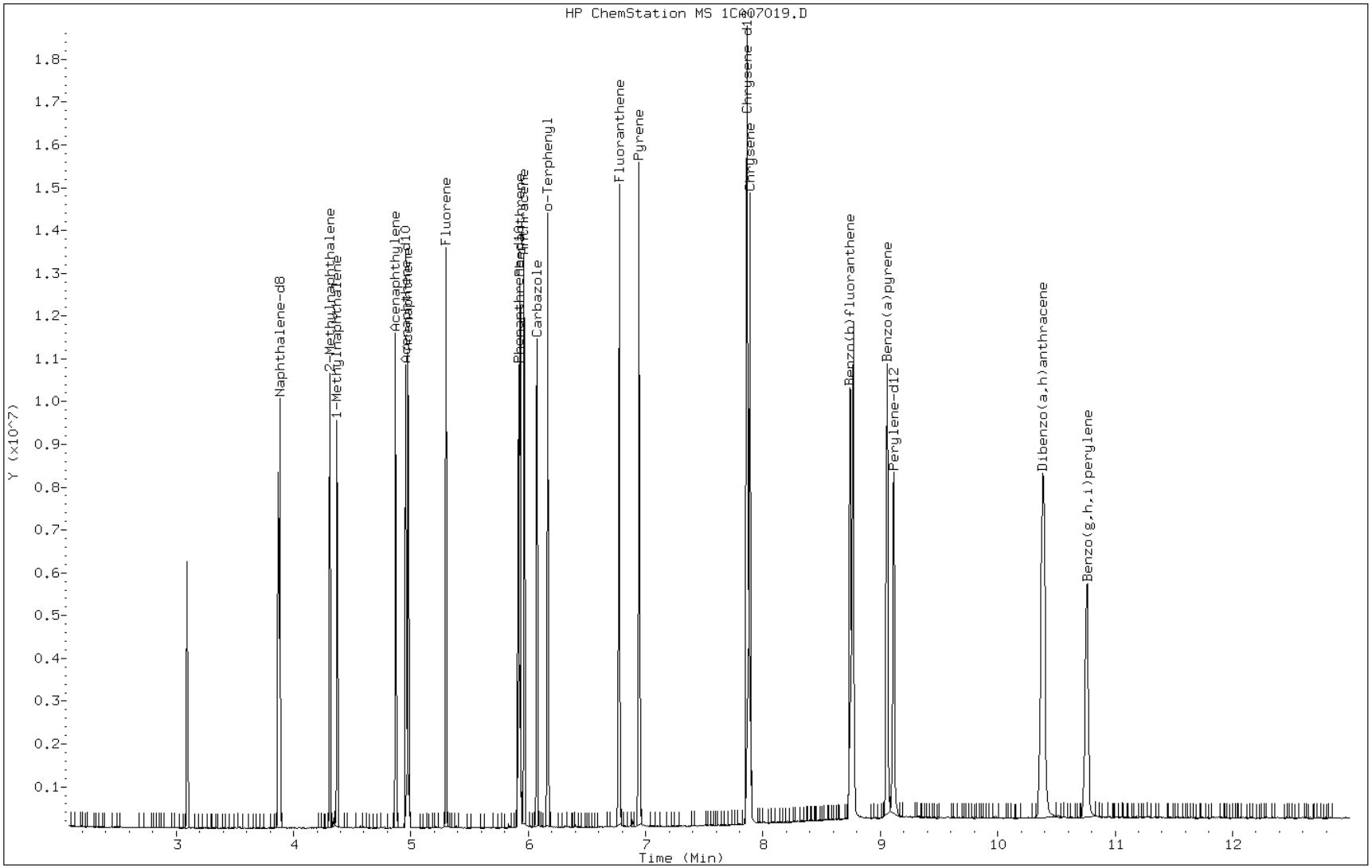
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

Data File: 1CA07019.D

Date: 07-JAN-2013 17:13

Client ID: Instrument: BSMC5973.i

Sample Info: IC-1489900 Operator: SCC



Manual Integration Report

Data File: 1CA07019.D
Inj. Date and Time: 07-JAN-2013 17:13
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/08/2013

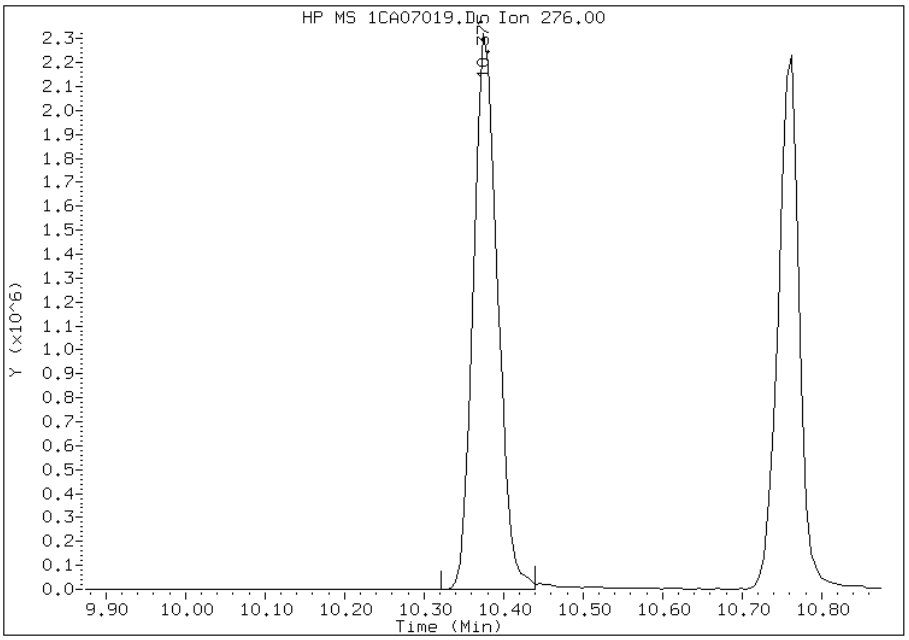
Processing Integration Results

RT: 10.37

Response: 4872897

Amount: 57

Conc: 57



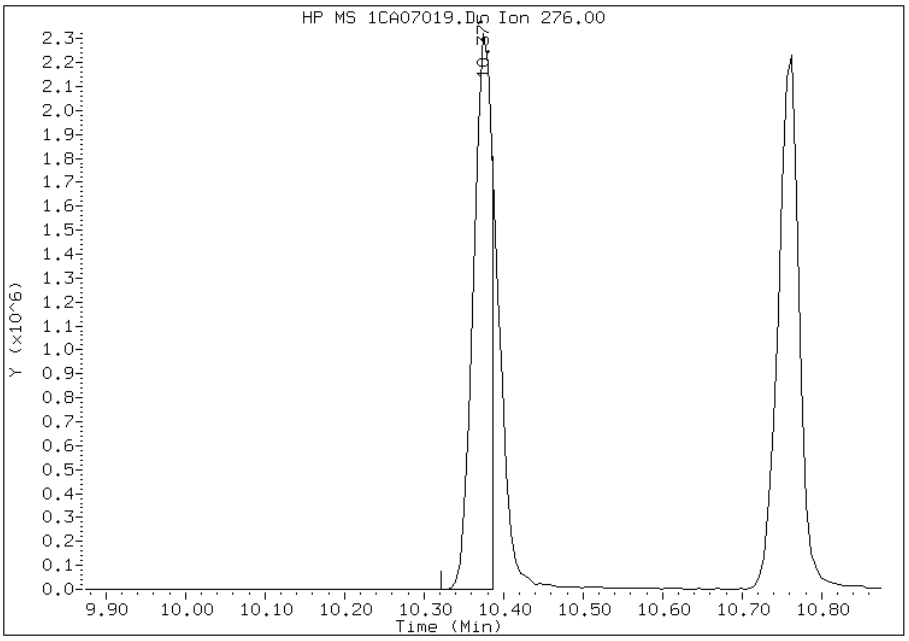
Manual Integration Results

RT: 10.37

Response: 3772962

Amount: 56

Conc: 56



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:40
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab Sample ID: ICV 660-133924/10 Calibration Date: 01/30/2013 13:35

Instrument ID: BSMA5973 Calib Start Date: 01/30/2013 11:38

GC Column: DB-5MS ID: 250.00(um) Calib End Date: 01/30/2013 13:20

Lab File ID: 1AA30010.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9709	1.081	0.0000	22300	20000	11.3	35.0
2-Methylnaphthalene	Ave	0.5201	0.6432	0.0000	24700	20000	23.7	35.0
1-Methylnaphthalene	Ave	0.5888	0.6870	0.0000	23300	20000	16.7	35.0
Acenaphthylene	Ave	1.766	1.803	0.0000	20400	20000	2.1	35.0
Acenaphthene	Ave	0.9559	0.9878	0.0000	20700	20000	3.3	35.0
Fluorene	Ave	1.202	1.257	0.0000	20900	20000	4.6	35.0
Phenanthrene	Ave	1.092	1.109	0.0000	20300	20000	1.6	35.0
Anthracene	Ave	1.114	1.151	0.0000	20700	20000	3.4	35.0
Carbazole	Ave	0.9545	1.015	0.0000	21300	20000	6.4	35.0
Fluoranthene	Ave	1.083	1.202	0.0000	22200	20000	11.0	35.0
Pyrene	Ave	1.445	1.459	0.0000	20200	20000	1.0	35.0
Benzo[a]anthracene	LinF	1.313	1.281	0.0000	21500	20000	7.3	35.0
Chrysene	Ave	1.164	1.204	0.0000	20700	20000	3.4	35.0
Benzo[b]fluoranthene	Ave	1.116	1.303	0.0000	23300	20000	16.7	35.0
Benzo[k]fluoranthene	Ave	1.167	1.133	0.0000	19400	20000	-2.9	35.0
Benzo[a]pyrene	Ave	1.060	0.9876	0.0000	18600	20000	-6.8	35.0
Indeno[1,2,3-cd]pyrene	Ave	0.8371	0.9115	0.0000	21800	20000	8.9	35.0
Dibenz(a,h)anthracene	Ave	0.8369	0.9680	0.0000	23100	20000	15.7	35.0
Benzo[g,h,i]perylene	Ave	0.8673	0.9214	0.0000	21200	20000	6.2	35.0
o-Terphenyl	Ave	0.5812	0.6137	0.0000	21100	20000	5.6	35.0

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\1AA30010.D
Lab Smp Id: ICV-1448440
Inj Date : 30-JAN-2013 13:35
Operator : SCC Inst ID: BSMA5973.i
Smp Info : ICV-1448440
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\a-bFASTPAHi-m.m
Meth Date : 30-Jan-2013 13:34 cantins Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 10 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula: Amt * DF * 1/Vi * Vt/Vo * A * B * C * D * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Vo	1000.000	Sample Volume
A	1000.000	uL to mL conversion
B	1000.000	mL to L conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1= if no con
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/l)
* 1 Naphthalene-d8	136	2.507	2.509	(1.000)	1317903	40.0000	
* 6 Acenaphthene-d10	164	3.543	3.540	(1.000)	820848	40.0000	
* 10 Phenanthrene-d10	188	4.499	4.501	(1.000)	1272419	40.0000	
$ 14 o-Terphenyl	230	4.777	4.779	(1.062)	390413	21.1160	21.1160
* 18 Chrysene-d12	240	6.540	6.537	(1.000)	1032149	40.0000	
* 23 Perylene-d12	264	7.635	7.637	(1.000)	982321	40.0000	
2 Naphthalene	128	2.517	2.519	(1.004)	712111	22.2614	22.2614
3 2-Methylnaphthalene	141	2.923	2.925	(1.166)	423845	24.7328	24.7328
4 1-Methylnaphthalene	142	2.982	2.979	(1.190)	452724	23.3376	23.3375
5 Acenaphthylene	152	3.457	3.454	(0.976)	739875	20.4134	20.4133
7 Acenaphthene	154	3.559	3.556	(1.005)	405435	20.6673	20.6673
9 Fluorene	166	3.874	3.871	(1.093)	515972	20.9176	20.9175
11 Phenanthrene	178	4.515	4.517	(1.004)	705650	20.3109	20.3108
12 Anthracene	178	4.547	4.549	(1.011)	732417	20.6769	20.6768
13 Carbazole	167	4.702	4.704	(1.045)	645980	21.2750	21.2749(M)
15 Fluoranthene	202	5.391	5.388	(1.198)	764893	22.2062	22.2061
16 Pyrene	202	5.557	5.559	(0.850)	753079	20.2028	20.2027

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/l)
17 Benzo(a)anthracene	228	6.529	6.531	(0.998)	661139	21.4526	21.4526
19 Chrysene	228	6.556	6.558	(1.002)	621167	20.6783	20.6783
20 Benzo(b)fluoranthene	252	7.357	7.359	(0.964)	639815	23.3366	23.3365
21 Benzo(k)fluoranthene	252	7.379	7.381	(0.966)	556542	19.4153	19.4152
22 Benzo(a)pyrene	252	7.587	7.594	(0.994)	485058	18.6307	18.6307
24 Indeno(1,2,3-cd)pyrene	276	8.420	8.428	(1.103)	447706	21.7774	21.7773(M)
25 Dibenzo(a,h)anthracene	278	8.436	8.444	(1.105)	475426	23.1325	23.1324
26 Benzo(g,h,i)perylene	276	8.650	8.657	(1.133)	452542	21.2477	21.2477

QC Flag Legend

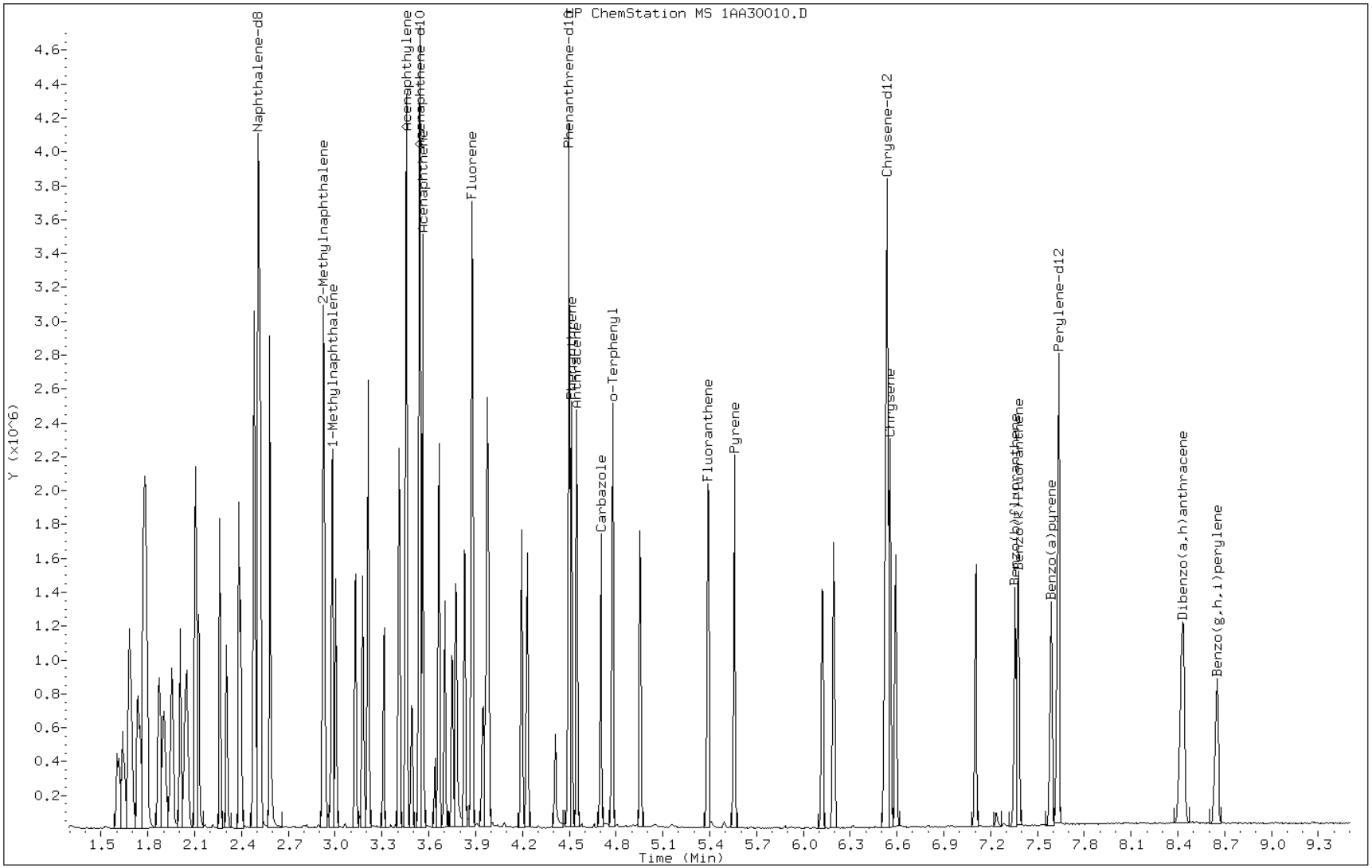
M - Compound response manually integrated.

Data File: 1AA30010.D

Date: 30-JAN-2013 13:35

Client ID: Instrument: BSMA5973.i

Sample Info: ICV-1448440 Operator: SCC



Manual Integration Report

Data File: 1AA30010.D
Inj. Date and Time: 30-JAN-2013 13:35
Instrument ID: BSMA5973.i
Client ID:
Compound: 13 Carbazole
CAS #: 86-74-8
Report Date: 01/30/2013

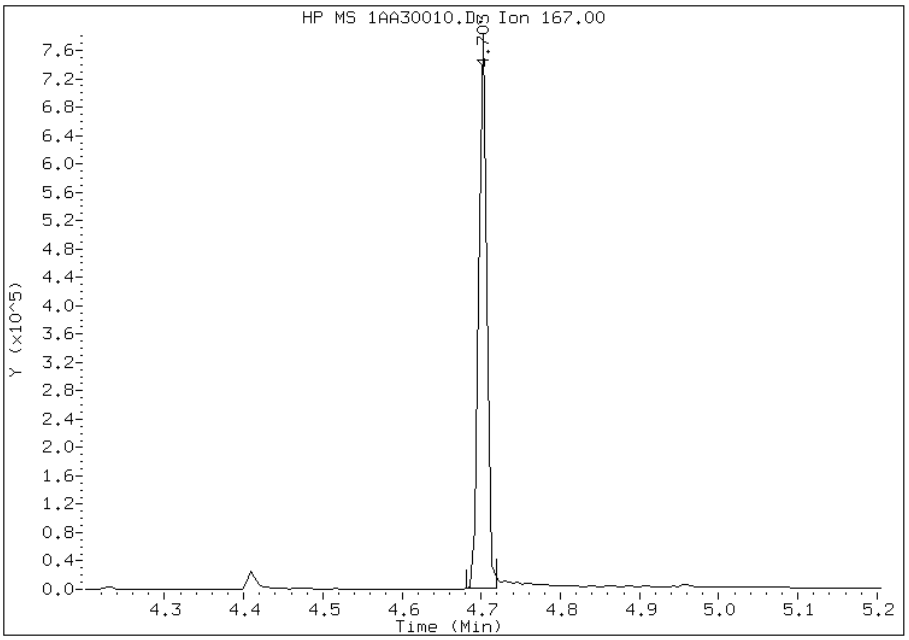
Processing Integration Results

RT: 4.70

Response: 529890

Amount: 17

Conc: 17



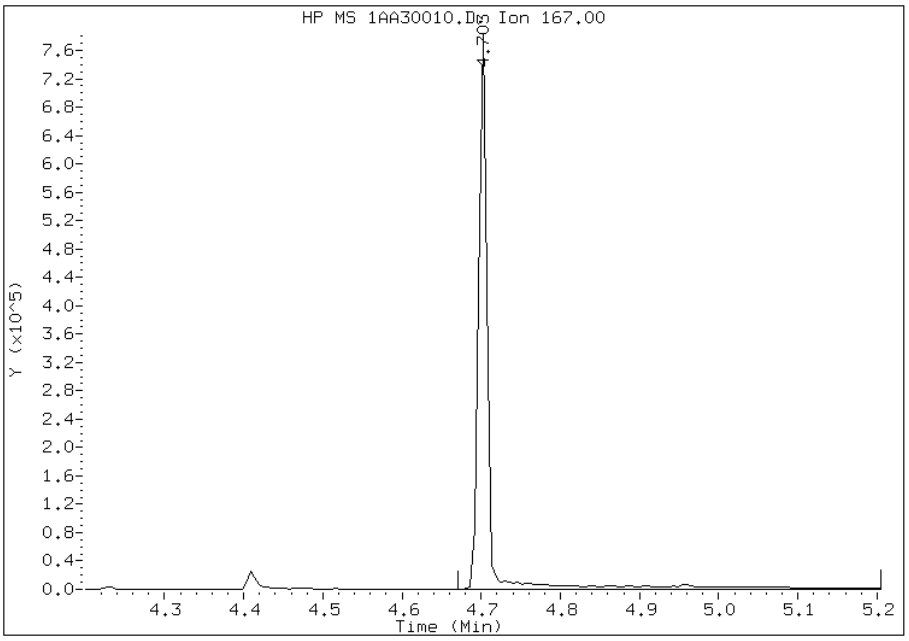
Manual Integration Results

RT: 4.70

Response: 645980

Amount: 21

Conc: 21



Manually Integrated By: cantins
Modification Date: 30-Jan-2013 13:47
Manual Integration Reason: Baseline Event

Manual Integration Report

Data File: 1AA30010.D
Inj. Date and Time: 30-JAN-2013 13:35
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/30/2013

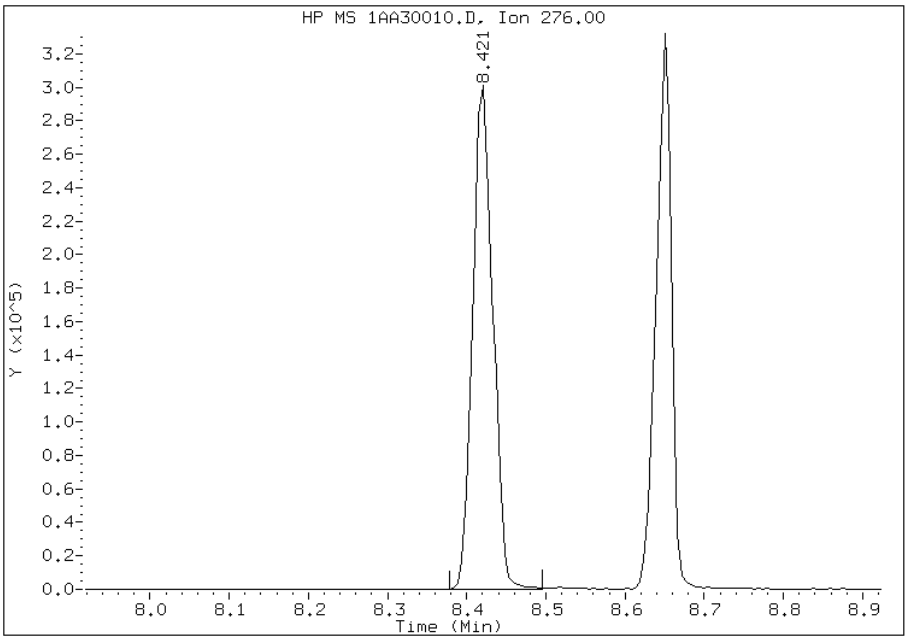
Processing Integration Results

RT: 8.42

Response: 525230

Amount: 26

Conc: 26



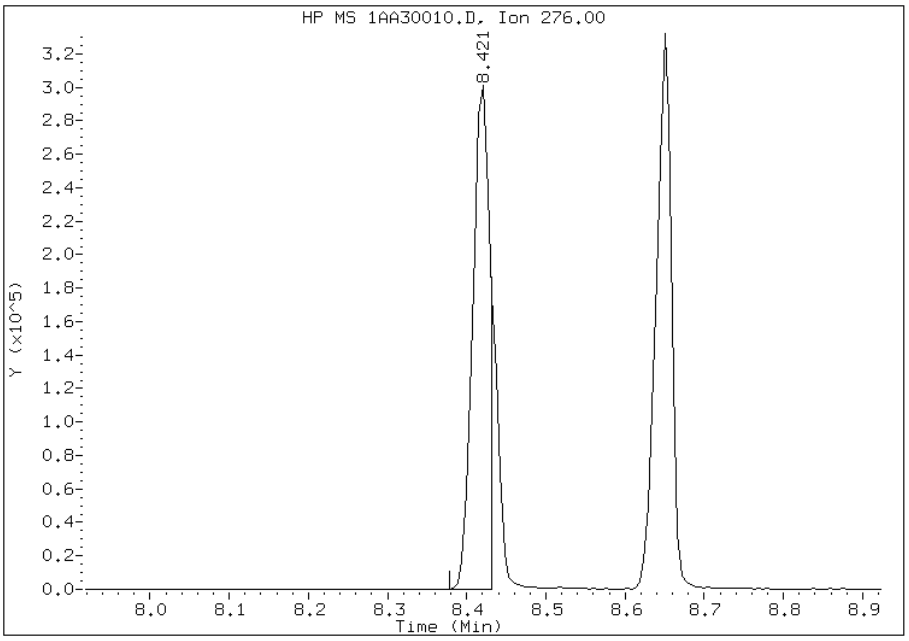
Manual Integration Results

RT: 8.42

Response: 447706

Amount: 22

Conc: 22



Manually Integrated By: cantins
Modification Date: 30-Jan-2013 13:47
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab Sample ID: CCVIS 660-134532/8 Calibration Date: 02/15/2013 15:21

Instrument ID: BSMA5973 Calib Start Date: 01/30/2013 11:38

GC Column: DB-5MS ID: 250.00(um) Calib End Date: 01/30/2013 13:20

Lab File ID: 1AB15006.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	0.9709	0.9256	0.0000	19100	20000	-4.7	20.0
2-Methylnaphthalene	Ave	0.5201	0.4843	0.0000	18600	20000	-6.9	20.0
1-Methylnaphthalene	Ave	0.5888	0.5342	0.0000	18100	20000	-9.3	20.0
Acenaphthylene	Ave	1.766	1.569	0.0000	17800	20000	-11.2	20.0
Acenaphthene	Ave	0.9559	0.8712	0.0000	18200	20000	-8.9	20.0
Fluorene	Ave	1.202	1.114	0.0000	18500	20000	-7.3	20.0
Phenanthrene	Ave	1.092	1.004	0.0000	18400	20000	-8.1	20.0
Anthracene	Ave	1.114	1.000	0.0000	18000	20000	-10.2	20.0
Carbazole	Ave	0.9545	0.8604	0.0000	18000	20000	-9.9	20.0
Fluoranthene	Ave	1.083	1.011	0.0000	18700	20000	-6.6	20.0
Pyrene	Ave	1.445	1.277	0.0000	17700	20000	-11.6	20.0
Benzo[a]anthracene	LinF	1.313	1.103	0.0000	18500	20000	-7.6	20.0
Chrysene	Ave	1.164	1.078	0.0000	18500	20000	-7.4	20.0
Benzo[b]fluoranthene	Ave	1.116	0.9929	0.0000	17800	20000	-11.1	20.0
Benzo[k]fluoranthene	Ave	1.167	1.089	0.0000	18700	20000	-6.7	20.0
Benzo[a]pyrene	Ave	1.060	0.9707	0.0000	18300	20000	-8.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	0.8371	0.9032	0.0000	21600	20000	7.9	20.0
Dibenz(a,h)anthracene	Ave	0.8369	0.7994	0.0000	19100	20000	-4.5	20.0
Benzo[g,h,i]perylene	Ave	0.8673	0.7939	0.0000	18300	20000	-8.5	20.0
o-Terphenyl	Ave	0.5812	0.5665	0.0000	19500	20000	-2.5	20.0

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15006.D
Lab Smp Id: CCVIS-1489898
Inj Date : 15-FEB-2013 15:21
Operator : SCC Inst ID: BSMA5973.i
Smp Info : CCVIS-1489898
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 15:32 cantins Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	2.415	2.415	(1.000)	1368017	40.0000	(H)
* 6 Acenaphthene-d10	164	3.441	3.441	(1.000)	840321	40.0000	(H)
* 10 Phenanthrene-d10	188	4.386	4.386	(1.000)	1266854	40.0000	(H)
$ 14 o-Terphenyl	230	4.664	4.664	(1.063)	358819	20.0000	19.4924(H)
* 18 Chrysene-d12	240	6.411	6.411	(1.000)	1066498	40.0000	(H)
* 23 Perylene-d12	264	7.501	7.501	(1.000)	1048533	40.0000	(H)
2 Naphthalene	128	2.426	2.426	(1.004)	633095	20.0000	19.0662(H)
3 2-Methylnaphthalene	141	2.832	2.832	(1.173)	331256	20.0000	18.6218(H)
4 1-Methylnaphthalene	142	2.885	2.885	(1.195)	365397	20.0000	18.1459(H)
5 Acenaphthylene	152	3.355	3.355	(0.975)	659230	20.0000	17.7668(H)
7 Acenaphthene	154	3.462	3.462	(1.006)	366021	20.0000	18.2258(H)
9 Fluorene	166	3.772	3.772	(1.096)	468236	20.0000	18.5424(H)
11 Phenanthrene	178	4.402	4.402	(1.004)	635753	20.0000	18.3794(H)
12 Anthracene	178	4.434	4.434	(1.011)	633384	20.0000	17.9596(H)
13 Carbazole	167	4.589	4.589	(1.046)	545009	20.0000	18.0284(H)
15 Fluoranthene	202	5.262	5.262	(1.200)	640457	20.0000	18.6752(H)
16 Pyrene	202	5.433	5.433	(0.848)	680876	20.0000	17.6774(H)
17 Benzo(a)anthracene	228	6.395	6.395	(0.997)	588343	20.0000	18.4756(H)
19 Chrysene	228	6.427	6.427	(1.002)	574660	20.0000	18.5139(H)
20 Benzo(b)fluoranthene	252	7.217	7.217	(0.962)	520555	20.0000	17.7877(H)
21 Benzo(k)fluoranthene	252	7.239	7.239	(0.965)	571010	20.0000	18.6620(H)
22 Benzo(a)pyrene	252	7.452	7.452	(0.994)	508919	20.0000	18.3128(H)
24 Indeno(1,2,3-cd)pyrene	276	8.238	8.238	(1.098)	473511	20.0000	21.5781(MH)
25 Dibenzo(a,h)anthracene	278	8.254	8.254	(1.100)	419118	20.0000	19.1049(H)
26 Benzo(g,h,i)perylene	276	8.446	8.446	(1.126)	416199	20.0000	18.3073(H)

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: 1AB15006.D

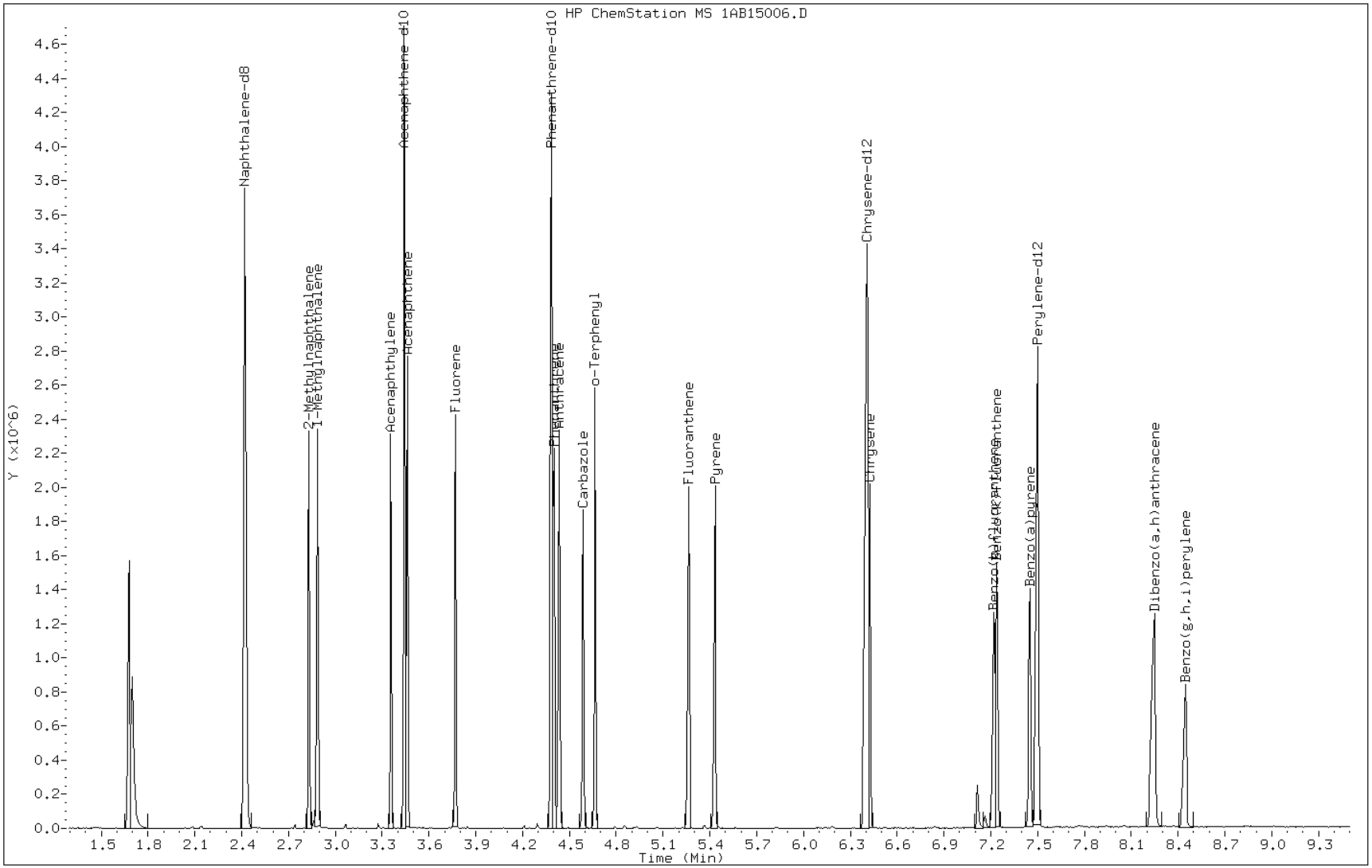
Date: 15-FEB-2013 15:21

Client ID:

Instrument: BSMA5973.i

Sample Info: CCVIS-1489898

Operator: SCC



Manual Integration Report

Data File: 1AB15006.D
Inj. Date and Time: 15-FEB-2013 15:21
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/18/2013

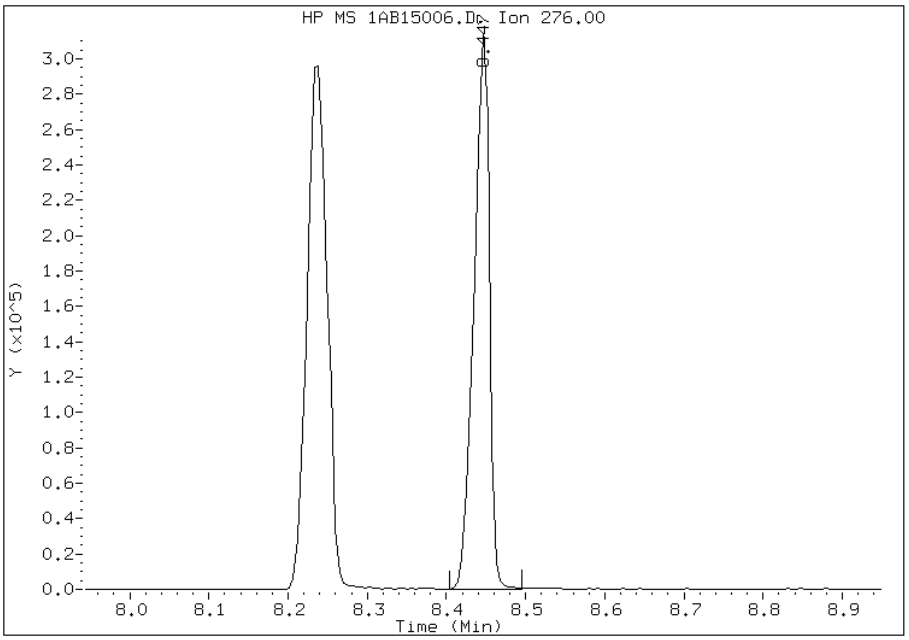
Processing Integration Results

RT: 8.45

Response: 416199

Amount: 19

Conc: 19



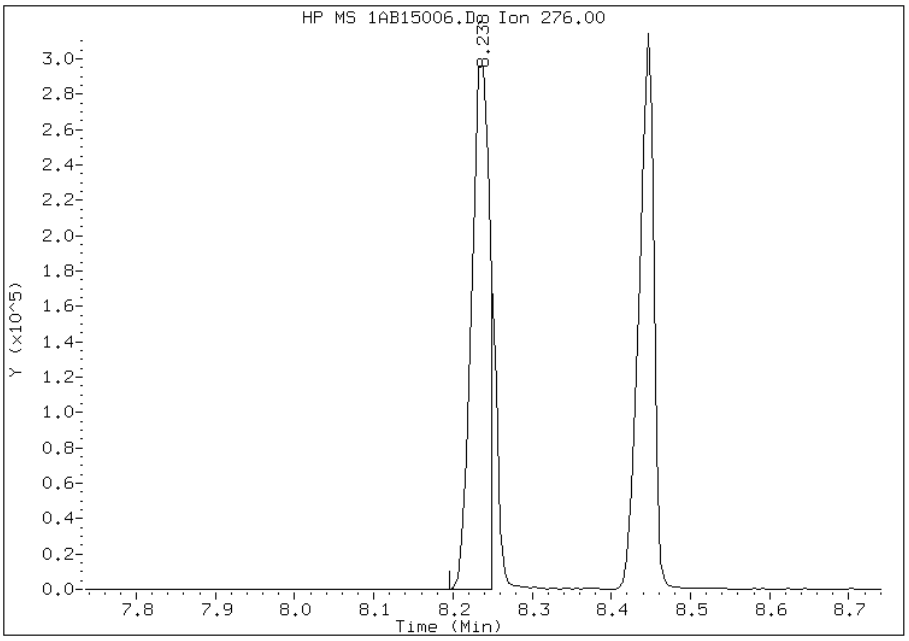
Manual Integration Results

RT: 8.24

Response: 473511

Amount: 22

Conc: 22



Manually Integrated By: cantins
Modification Date: 15-Feb-2013 15:35
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab Sample ID: ICV 660-133227/10 Calibration Date: 01/07/2013 17:31

Instrument ID: BSMC5973 Calib Start Date: 01/07/2013 15:23

GC Column: DB-5MS ID: 250.00(um) Calib End Date: 01/07/2013 17:13

Lab File ID: 1CA07020.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.060	1.007	0.0000	19000	20000	-5.0	35.0
2-Methylnaphthalene	Ave	0.6892	0.6589	0.0000	19100	20000	-4.4	35.0
1-Methylnaphthalene	Ave	0.6268	0.6593	0.0000	21000	20000	5.2	35.0
Acenaphthylene	Ave	1.591	1.636	0.0000	20600	20000	2.8	35.0
Acenaphthene	Ave	0.998	0.995	0.0000	19900	20000	-0.3	35.0
Fluorene	Ave	1.281	1.256	0.0000	19600	20000	-1.9	35.0
Phenanthrene	Ave	1.194	1.049	0.0000	17600	20000	-12.2	35.0
Anthracene	Ave	1.076	1.057	0.0000	19700	20000	-1.7	35.0
Carbazole	Ave	0.9344	0.9714	0.0000	20800	20000	4.0	35.0
Fluoranthene	Ave	1.167	1.235	0.0000	21200	20000	5.9	35.0
Pyrene	Ave	1.065	1.062	0.0000	19900	20000	-0.3	35.0
Benzo[a]anthracene	Ave	1.103	1.074	0.0000	19500	20000	-2.6	35.0
Chrysene	Ave	1.139	1.025	0.0000	18000	20000	-10.0	35.0
Benzo[b]fluoranthene	Ave	0.9807	0.9511	0.0000	19400	20000	-3.0	35.0
Benzo[k]fluoranthene	Ave	1.080	1.106	0.0000	20500	20000	2.4	35.0
Benzo[a]pyrene	Ave	0.9332	0.8638	0.0000	18500	20000	-7.4	35.0
Indeno[1,2,3-cd]pyrene	LinF	0.7930	0.8346	0.0000	18600	20000	-6.9	35.0
Dibenz(a,h)anthracene	Ave	0.8452	0.8921	0.0000	21100	20000	5.5	35.0
Benzo[g,h,i]perylene	Ave	0.9104	0.8897	0.0000	19500	20000	-2.3	35.0
o-Terphenyl	Ave	0.5861	0.5611	0.0000	19100	20000	-4.3	35.0

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\1CA07020.D
Lab Smp Id: ICV-1448440
Inj Date : 07-JAN-2013 17:31
Operator : SCC Inst ID: BSMC5973.i
Smp Info : ICV-1448440
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\a-bFASTPAHi-m.m
Meth Date : 08-Jan-2013 12:43 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 20 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula: Amt * DF * 1/Vi * Vt/Vo * A * B * C * D * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Vo	1000.000	Sample Volume
A	1000.000	uL to mL conversion
B	1000.000	mL to L conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1= if no con
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/l)
* 1 Naphthalene-d8	136	3.869	3.869	(1.000)	2417094	40.0000	
* 6 Acenaphthene-d10	164	4.957	4.957	(1.000)	1838803	40.0000	
* 10 Phenanthrene-d10	188	5.915	5.916	(1.000)	3573060	40.0000	
$ 14 o-Terphenyl	230	6.168	6.169	(1.043)	1002344	19.1457	19.1456
* 18 Chrysene-d12	240	7.868	7.869	(1.000)	4267463	40.0000	
* 23 Perylene-d12	264	9.115	9.116	(1.000)	4342564	40.0000	
2 Naphthalene	128	3.880	3.881	(1.003)	1216880	18.9990	18.9989
3 2-Methylnaphthalene	142	4.310	4.309	(1.114)	796260	19.1194	19.1193
4 1-Methylnaphthalene	142	4.369	4.369	(1.129)	796834	21.0373	21.0373
5 Acenaphthylene	152	4.868	4.869	(0.982)	1503892	20.5575	20.5575
7 Acenaphthene	154	4.980	4.975	(1.005)	914978	19.9420	19.9419
9 Fluorene	166	5.298	5.298	(1.069)	1155136	19.6129	19.6129
11 Phenanthrene	178	5.933	5.934	(1.003)	1873312	17.5645	17.5644
12 Anthracene	178	5.963	5.963	(1.008)	1888199	19.6500	19.6500
13 Carbazole	167	6.074	6.075	(1.027)	1735453	20.7921	20.7920
15 Fluoranthene	202	6.774	6.775	(1.145)	2206550	21.1730	21.1730
16 Pyrene	202	6.945	6.945	(0.883)	2266055	19.9459	19.9458

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/l)
17 Benzo(a)anthracene	228	7.862	7.863	(0.999)	2292513	19.4807	19.4807
19 Chrysene	228	7.886	7.892	(1.002)	2187685	17.9970	17.9969
20 Benzo(b)fluoranthene	252	8.739	8.745	(0.959)	2065017	19.3961	19.3961
21 Benzo(k)fluoranthene	252	8.762	8.769	(0.961)	2402437	20.4829	20.4829
22 Benzo(a)pyrene	252	9.051	9.057	(0.993)	1875598	18.5138	18.5138
24 Indeno(1,2,3-cd)pyrene	276	10.368	10.375	(1.137)	1812061	18.6227	18.6226(M)
25 Dibenzo(a,h)anthracene	278	10.392	10.392	(1.140)	1936939	21.1089	21.1088
26 Benzo(g,h,i)perylene	276	10.750	10.763	(1.179)	1931721	19.5436	19.5436

QC Flag Legend

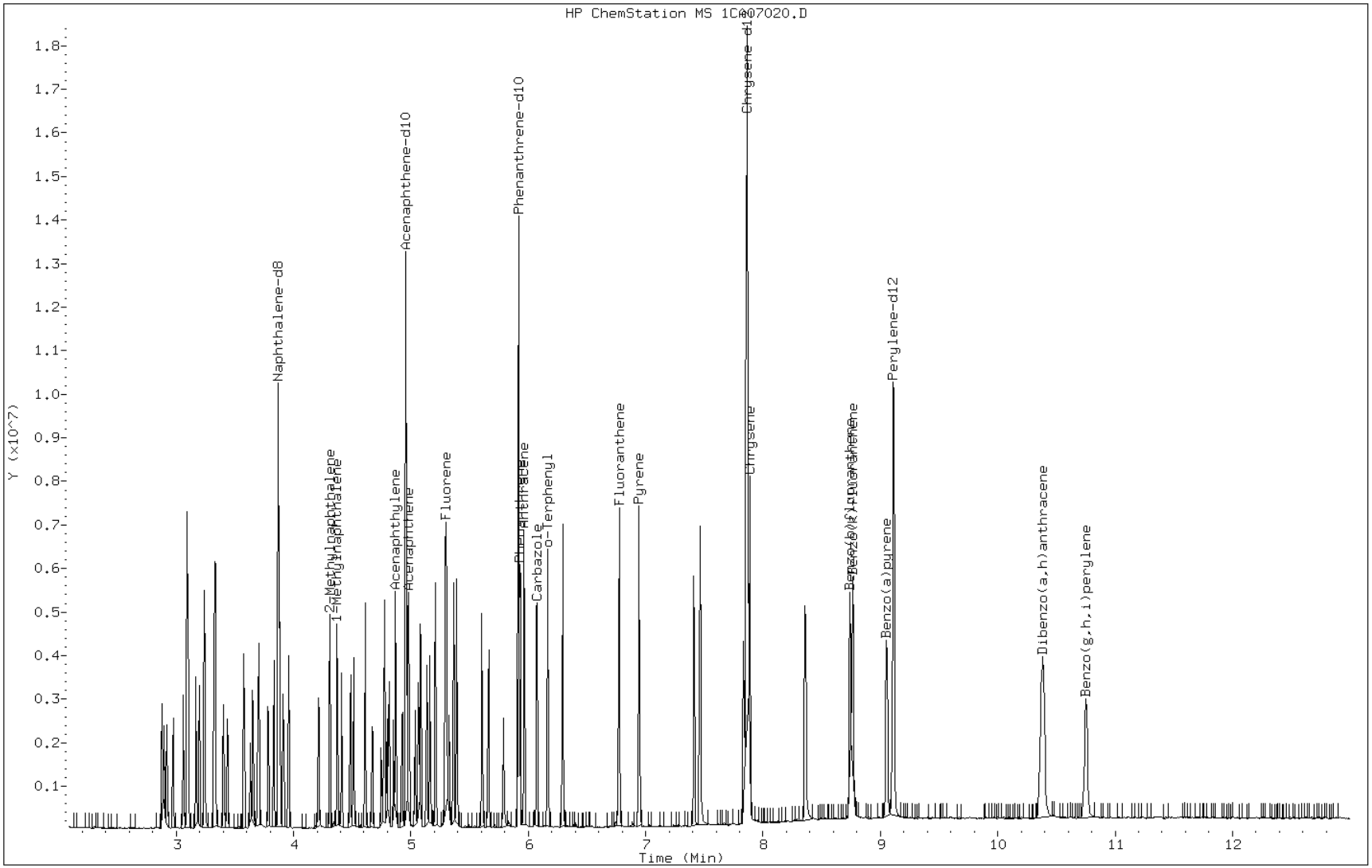
M - Compound response manually integrated.

Data File: 1CA07020.D

Date: 07-JAN-2013 17:31

Client ID: Instrument: BSMC5973.i

Sample Info: ICV-1448440 Operator: SCC



Manual Integration Report

Data File: 1CA07020.D
Inj. Date and Time: 07-JAN-2013 17:31
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 01/08/2013

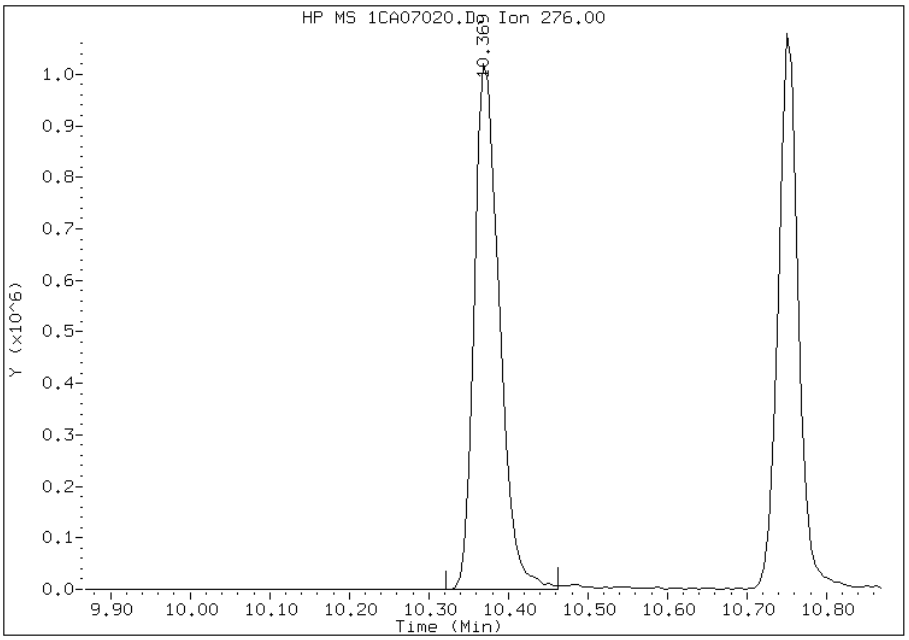
Processing Integration Results

RT: 10.37

Response: 2215563

Amount: 23

Conc: 23



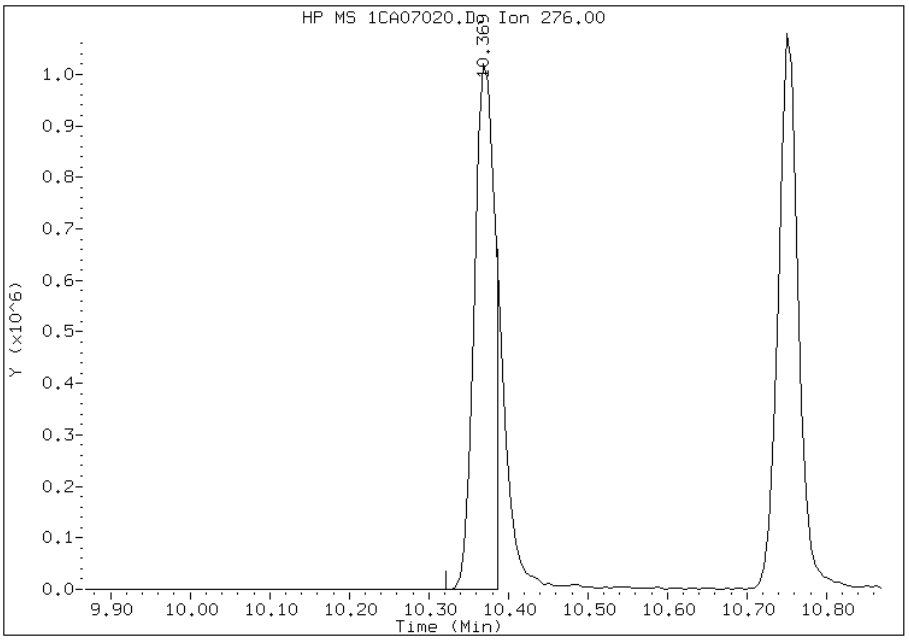
Manual Integration Results

RT: 10.37

Response: 1812061

Amount: 19

Conc: 19



Manually Integrated By: cantins
Modification Date: 08-Jan-2013 12:44
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab Sample ID: CCVIS 660-134530/4 Calibration Date: 02/15/2013 11:56

Instrument ID: BSMC5973 Calib Start Date: 01/07/2013 15:23

GC Column: DB-5MS ID: 250.00(um) Calib End Date: 01/07/2013 17:13

Lab File ID: 1CB15004.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.060	1.060	0.0000	20000	20000	0.0	20.0
2-Methylnaphthalene	Ave	0.6892	0.6809	0.0000	19800	20000	-1.2	20.0
1-Methylnaphthalene	Ave	0.6268	0.6407	0.0000	20400	20000	2.2	20.0
Acenaphthylene	Ave	1.591	1.582	0.0000	19900	20000	-0.6	20.0
Acenaphthene	Ave	0.998	0.9393	0.0000	18800	20000	-5.9	20.0
Fluorene	Ave	1.281	1.238	0.0000	19300	20000	-3.4	20.0
Phenanthrene	Ave	1.194	1.089	0.0000	18200	20000	-8.8	20.0
Anthracene	Ave	1.076	1.108	0.0000	20600	20000	3.0	20.0
Carbazole	Ave	0.9344	0.9721	0.0000	20800	20000	4.0	20.0
Fluoranthene	Ave	1.167	1.234	0.0000	21200	20000	5.8	20.0
Pyrene	Ave	1.065	1.167	0.0000	21900	20000	9.6	20.0
Benzo[a]anthracene	Ave	1.103	1.079	0.0000	19600	20000	-2.2	20.0
Chrysene	Ave	1.139	1.065	0.0000	18700	20000	-6.5	20.0
Benzo[b]fluoranthene	Ave	0.9807	1.095	0.0000	22300	20000	11.6	20.0
Benzo[k]fluoranthene	Ave	1.080	1.070	0.0000	19800	20000	-0.9	20.0
Benzo[a]pyrene	Ave	0.9332	0.997	0.0000	21400	20000	6.8	20.0
Indeno[1,2,3-cd]pyrene	LinF	0.7930	0.8864	0.0000	19800	20000	-1.1	20.0
Dibenz(a,h)anthracene	Ave	0.8452	0.8200	0.0000	19400	20000	-3.0	20.0
Benzo[g,h,i]perylene	Ave	0.9104	0.8634	0.0000	19000	20000	-5.2	20.0
o-Terphenyl	Ave	0.5861	0.5769	0.0000	19700	20000	-1.6	20.0

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\1CB15004.D
Lab Smp Id: CCVIS-1489898
Inj Date : 15-FEB-2013 11:56
Operator : SCC Inst ID: BSMC5973.i
Smp Info : CCVIS-1489898
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 12:20 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.821	3.821	(1.000)	2569302	40.0000	(H)
* 6 Acenaphthene-d10	164	4.910	4.910	(1.000)	1996632	40.0000	(H)
* 10 Phenanthrene-d10	188	5.863	5.863	(1.000)	3819499	40.0000	(H)
$ 14 o-Terphenyl	230	6.115	6.115	(1.043)	1101673	20.0000	19.6852(H)
* 18 Chrysene-d12	240	7.815	7.815	(1.000)	4339487	40.0000	(H)
* 23 Perylene-d12	264	9.039	9.039	(1.000)	4016358	40.0000	(H)
2 Naphthalene	128	3.833	3.833	(1.003)	1362273	20.0000	20.0089(H)
3 2-Methylnaphthalene	142	4.257	4.257	(1.114)	874660	20.0000	19.7577(H)
4 1-Methylnaphthalene	142	4.321	4.321	(1.131)	823032	20.0000	20.4417(H)
5 Acenaphthylene	152	4.821	4.821	(0.982)	1579018	20.0000	19.8782(H)
7 Acenaphthene	154	4.927	4.927	(1.004)	937736	20.0000	18.8224(H)
9 Fluorene	166	5.245	5.245	(1.068)	1235679	20.0000	19.3220(H)
11 Phenanthrene	178	5.880	5.880	(1.003)	2079382	20.0000	18.2386(H)
12 Anthracene	178	5.910	5.910	(1.008)	2116673	20.0000	20.6064(H)
13 Carbazole	167	6.015	6.015	(1.026)	1856475	20.0000	20.8069(H)
15 Fluoranthene	202	6.721	6.721	(1.146)	2356572	20.0000	21.1535(H)
16 Pyrene	202	6.886	6.886	(0.881)	2531402	20.0000	21.9116(H)
17 Benzo(a)anthracene	228	7.804	7.804	(0.998)	2341337	20.0000	19.5653(H)
19 Chrysene	228	7.833	7.833	(1.002)	2311739	20.0000	18.7018(H)
20 Benzo(b)fluoranthene	252	8.674	8.674	(0.960)	2198183	20.0000	22.3238(H)
21 Benzo(k)fluoranthene	252	8.698	8.698	(0.962)	2149559	20.0000	19.8154(H)
22 Benzo(a)pyrene	252	8.980	8.980	(0.993)	2002073	20.0000	21.3673(H)
24 Indeno(1,2,3-cd)pyrene	276	10.262	10.262	(1.135)	1780040	20.0000	19.7793(MH)
25 Dibenzo(a,h)anthracene	278	10.280	10.280	(1.137)	1646677	20.0000	19.4031(H)
26 Benzo(g,h,i)perylene	276	10.633	10.633	(1.176)	1733826	20.0000	18.9661(H)

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: 1CB15004.D

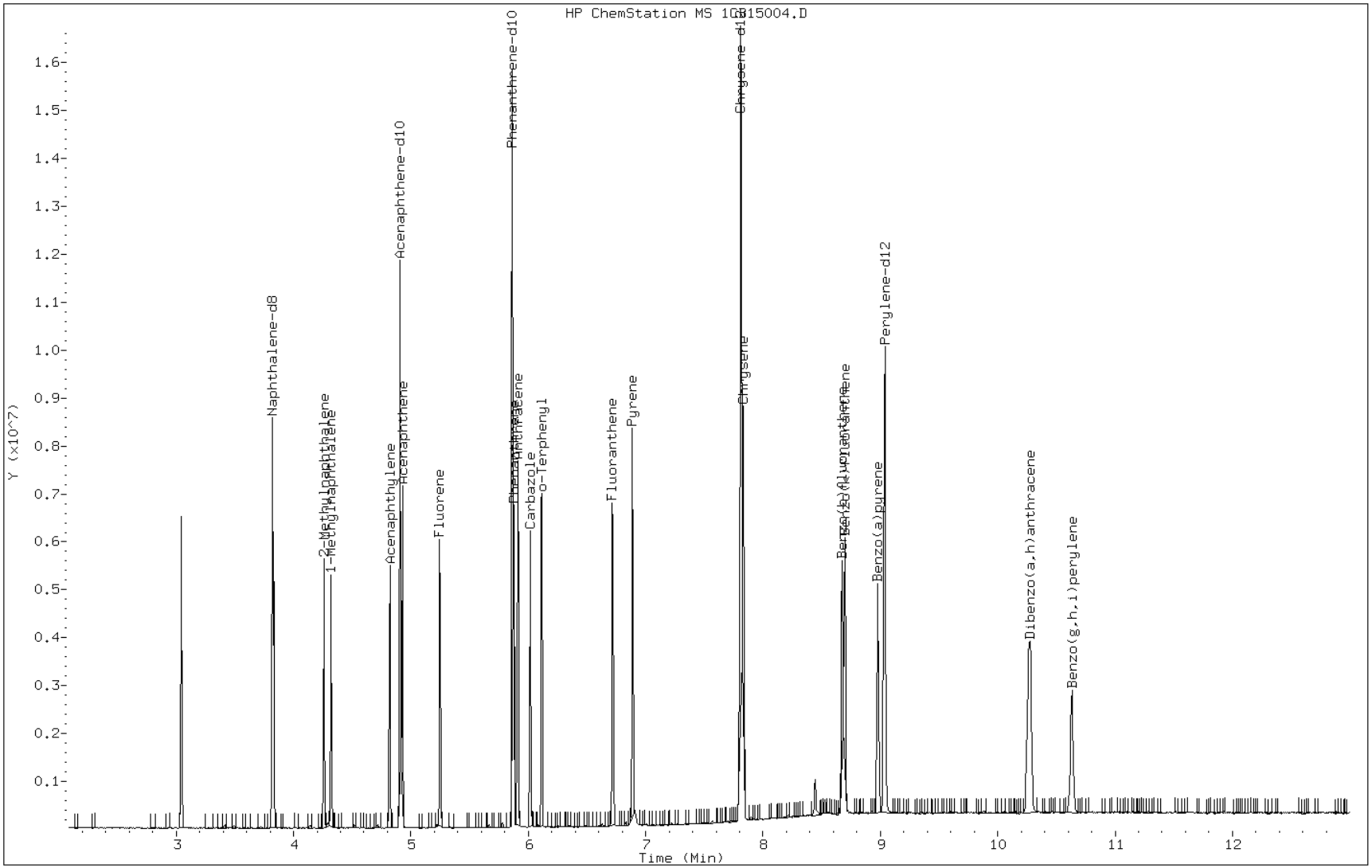
Date: 15-FEB-2013 11:56

Client ID:

Instrument: BSMC5973.i

Sample Info: CCVIS-1489898

Operator: SCC



Manual Integration Report

Data File: 1CB15004.D
Inj. Date and Time: 15-FEB-2013 11:56
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/15/2013

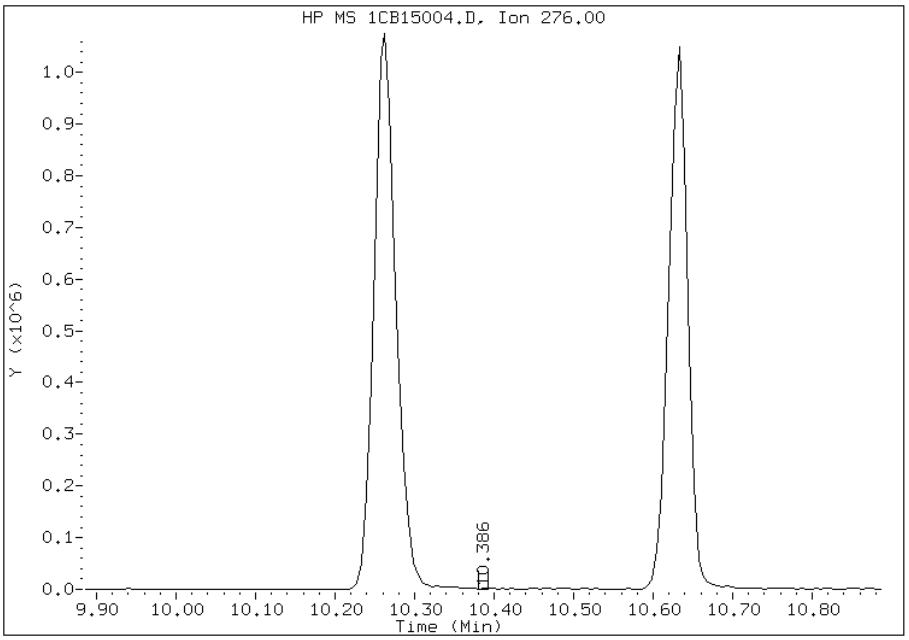
Processing Integration Results

RT: 10.39

Response: 862

Amount: 0

Conc: 0



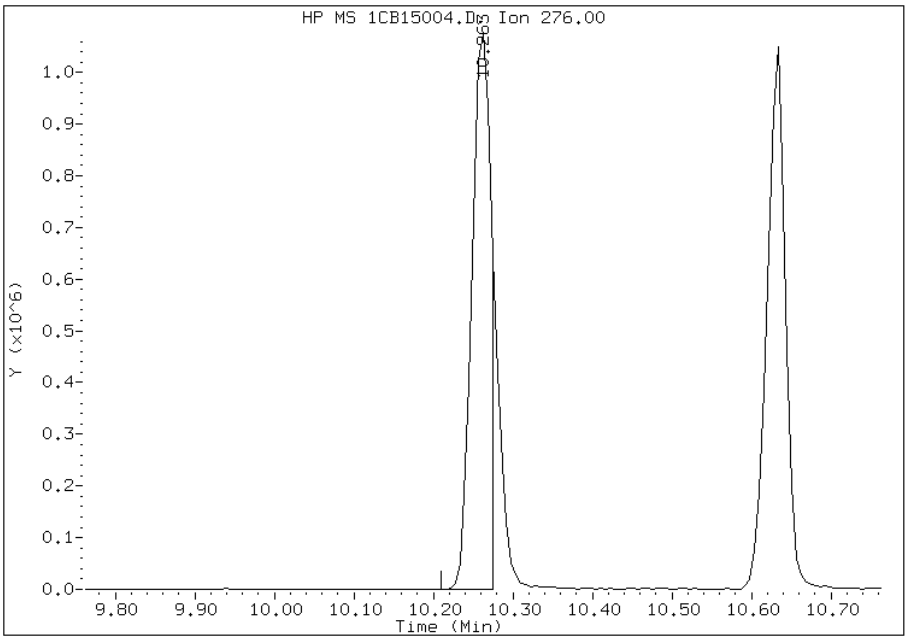
Manual Integration Results

RT: 10.26

Response: 1780040

Amount: 20

Conc: 20



Manually Integrated By: cantins
Modification Date: 15-Feb-2013 12:21
Manual Integration Reason: Split Peak

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Lab Sample ID: CCVIS 660-134598/3 Calibration Date: 02/18/2013 14:07

Instrument ID: BSMC5973 Calib Start Date: 01/07/2013 15:23

GC Column: DB-5MS ID: 250.00(um) Calib End Date: 01/07/2013 17:13

Lab File ID: 1CB18003.D Conc. Units: ug/Kg

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.060	1.047	0.0000	19800	20000	-1.2	20.0
2-Methylnaphthalene	Ave	0.6892	0.6840	0.0000	19800	20000	-0.8	20.0
1-Methylnaphthalene	Ave	0.6268	0.6317	0.0000	20200	20000	0.8	20.0
Acenaphthylene	Ave	1.591	1.617	0.0000	20300	20000	1.6	20.0
Acenaphthene	Ave	0.998	0.9461	0.0000	19000	20000	-5.2	20.0
Fluorene	Ave	1.281	1.231	0.0000	19200	20000	-3.9	20.0
Phenanthrene	Ave	1.194	1.068	0.0000	17900	20000	-10.5	20.0
Anthracene	Ave	1.076	1.102	0.0000	20500	20000	2.5	20.0
Carbazole	Ave	0.9344	0.9797	0.0000	21000	20000	4.8	20.0
Fluoranthene	Ave	1.167	1.238	0.0000	21200	20000	6.1	20.0
Pyrene	Ave	1.065	1.090	0.0000	20500	20000	2.4	20.0
Benzo[a]anthracene	Ave	1.103	1.075	0.0000	19500	20000	-2.6	20.0
Chrysene	Ave	1.139	1.048	0.0000	18400	20000	-8.0	20.0
Benzo[b]fluoranthene	Ave	0.9807	0.9698	0.0000	19800	20000	-1.1	20.0
Benzo[k]fluoranthene	Ave	1.080	1.149	0.0000	21300	20000	6.3	20.0
Benzo[a]pyrene	Ave	0.9332	0.9930	0.0000	21300	20000	6.4	20.0
Indeno[1,2,3-cd]pyrene	LinF	0.7930	0.9147	0.0000	20400	20000	2.1	20.0
Dibenz(a,h)anthracene	Ave	0.8452	0.8470	0.0000	20000	20000	0.2	20.0
Benzo[g,h,i]perylene	Ave	0.9104	0.9078	0.0000	19900	20000	-0.3	20.0
o-Terphenyl	Ave	0.5861	0.5956	0.0000	20300	20000	1.6	20.0

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\1CB18003.D
Lab Smp Id: CCVIS-1489898
Inj Date : 18-FEB-2013 14:07
Operator : SCC Inst ID: BSMC5973.i
Smp Info : CCVIS-1489898
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\a-bFASTPAHi-m.m
Meth Date : 18-Feb-2013 14:24 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ug/ml)	AMOUNTS ON-COL (ug/ml)
* 1 Naphthalene-d8	136	3.816	3.816	(1.000)	2084677	40.0000	(H)
* 6 Acenaphthene-d10	164	4.904	4.904	(1.000)	1616631	40.0000	(H)
* 10 Phenanthrene-d10	188	5.857	5.857	(1.000)	3184282	40.0000	(H)
$ 14 o-Terphenyl	230	6.109	6.109	(1.043)	948249	20.0000	20.3238(H)
* 18 Chrysene-d12	240	7.809	7.809	(1.000)	3977138	40.0000	(H)
* 23 Perylene-d12	264	9.027	9.027	(1.000)	3965161	40.0000	(H)
2 Naphthalene	128	3.827	3.827	(1.003)	1091737	20.0000	19.7630(H)
3 2-Methylnaphthalene	142	4.257	4.257	(1.116)	712948	20.0000	19.8486(H)
4 1-Methylnaphthalene	142	4.315	4.315	(1.131)	658440	20.0000	20.1555(H)
5 Acenaphthylene	152	4.815	4.815	(0.982)	1306819	20.0000	20.3186(H)
7 Acenaphthene	154	4.921	4.921	(1.004)	764707	20.0000	18.9573(H)
9 Fluorene	166	5.245	5.245	(1.070)	995062	20.0000	19.2169(H)
11 Phenanthrene	178	5.874	5.874	(1.003)	1700762	20.0000	17.8935(H)
12 Anthracene	178	5.909	5.909	(1.009)	1755251	20.0000	20.4966(H)
13 Carbazole	167	6.015	6.015	(1.027)	1559767	20.0000	20.9688(H)
15 Fluoranthene	202	6.715	6.715	(1.147)	1971005	20.0000	21.2219(H)
16 Pyrene	202	6.880	6.880	(0.881)	2167387	20.0000	20.4700(H)
17 Benzo(a)anthracene	228	7.798	7.798	(0.998)	2136848	20.0000	19.4834(H)
19 Chrysene	228	7.827	7.827	(1.002)	2084531	20.0000	18.4001(H)
20 Benzo(b)fluoranthene	252	8.662	8.662	(0.960)	1922756	20.0000	19.7788(H)
21 Benzo(k)fluoranthene	252	8.686	8.686	(0.962)	2277315	20.0000	21.2641(H)
22 Benzo(a)pyrene	252	8.968	8.968	(0.993)	1968703	20.0000	21.2824(H)
24 Indeno(1,2,3-cd)pyrene	276	10.250	10.250	(1.136)	1813487	20.0000	20.4112(MH)
25 Dibenzo(a,h)anthracene	278	10.268	10.268	(1.137)	1679195	20.0000	20.0417(H)
26 Benzo(g,h,i)perylene	276	10.621	10.621	(1.177)	1799796	20.0000	19.9420(H)

QC Flag Legend

M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

Data File: 1CB18003.D

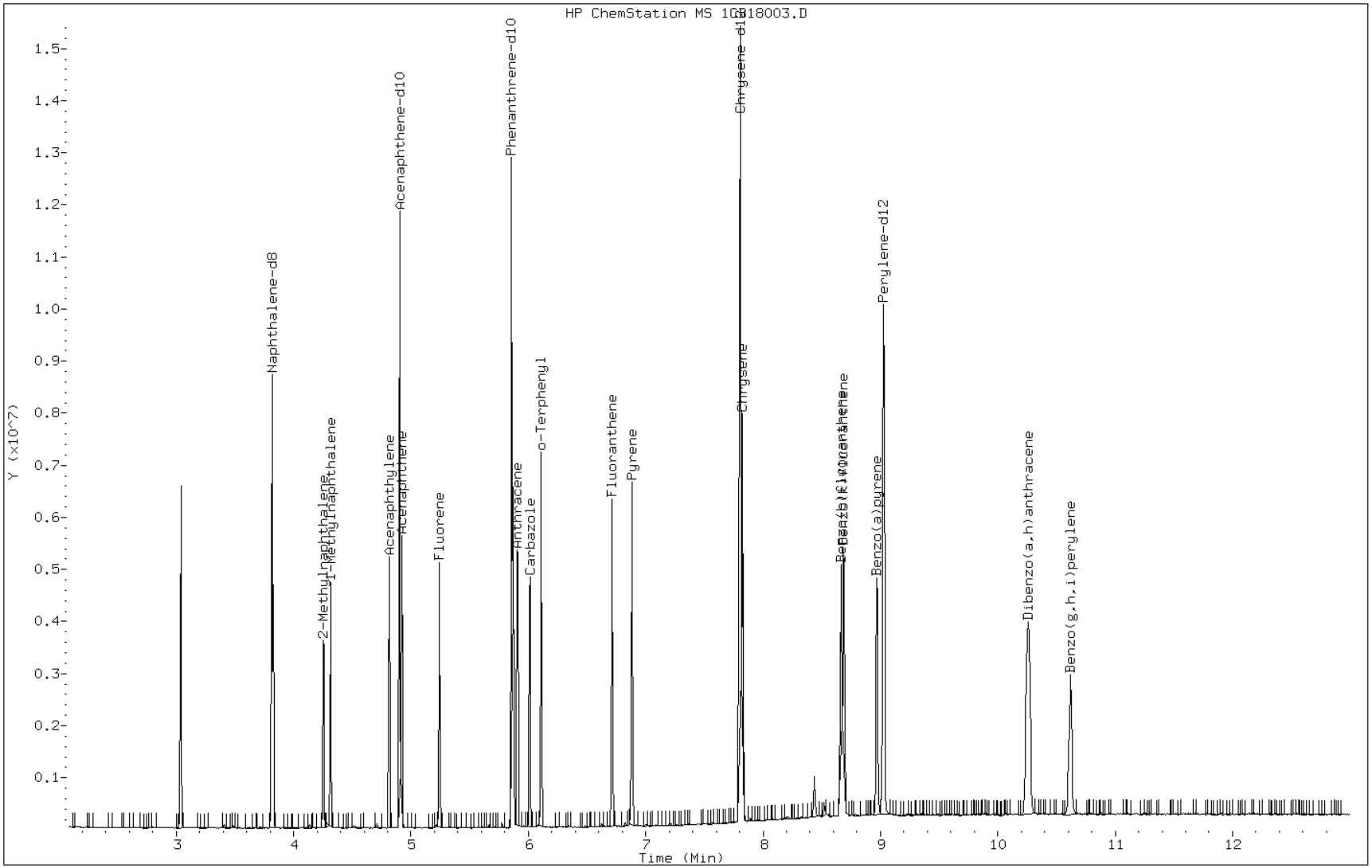
Date: 18-FEB-2013 14:07

Client ID:

Instrument: BSMC5973.i

Sample Info: CCVIS-1489898

Operator: SCC



Manual Integration Report

Data File: 1CB18003.D
Inj. Date and Time: 18-FEB-2013 14:07
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/18/2013

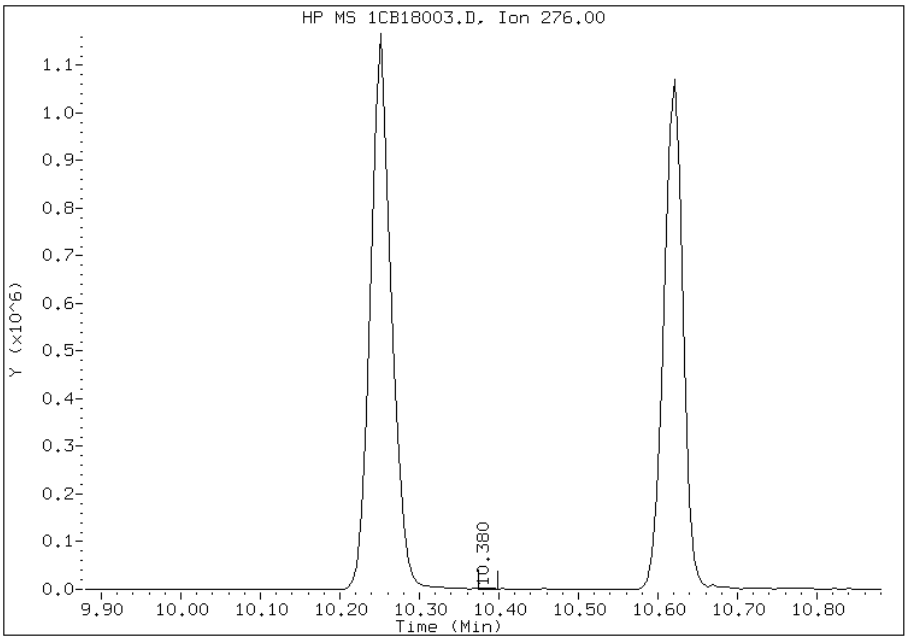
Processing Integration Results

RT: 10.38

Response: 1978

Amount: 0

Conc: 0



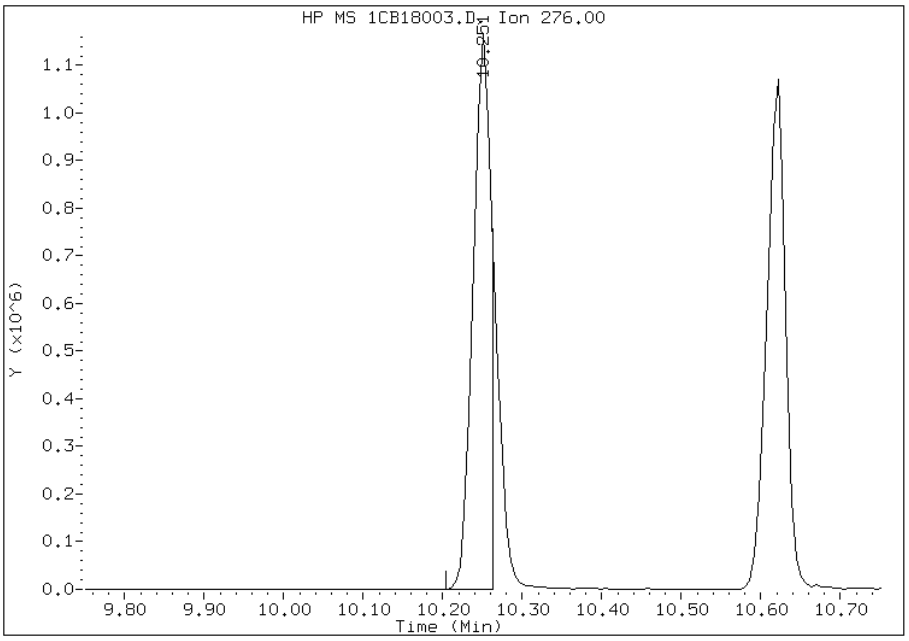
Manual Integration Results

RT: 10.25

Response: 1813487

Amount: 20

Conc: 20



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 14:26
Manual Integration Reason: Split Peak

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\1AA30002.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 30-JAN-2013 11:20
Operator : SCC Inst ID: BSMA5973.i
Smp Info : DFTPP-1465456
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\a-dftpp198.m
Meth Date : 09-Jan-2013 15:25 cantins Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: TAM1000

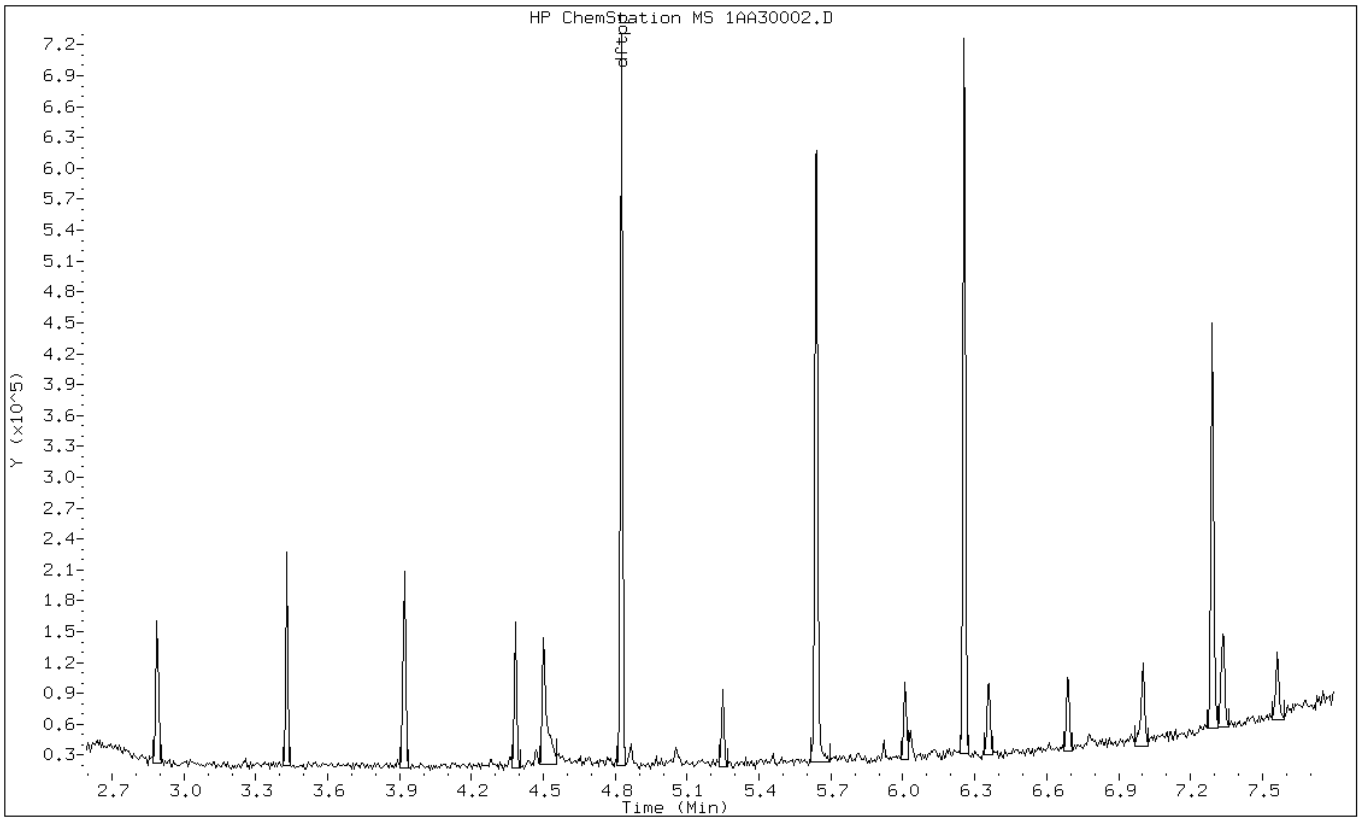
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.827	4.928	-0.101	198	74336			50.00- 0.00	100.00
4.827	4.928	-0.101	51	30248			10.00- 80.00	40.69
4.827	4.928	-0.101	68	0	0.0	0.0	0.00- 2.00	0.00
4.827	4.928	-0.101	69	32488			0.00- 0.00	43.70
4.827	4.928	-0.101	70	551			0.00- 2.00	1.70
4.827	4.928	-0.101	127	32864			10.00- 80.00	44.21
4.827	4.928	-0.101	197	1231			0.00- 2.00	1.66
4.827	4.928	-0.101	442	47368			50.00- 0.00	63.72
4.827	4.928	-0.101	199	4419			5.00- 9.00	5.94
4.827	4.928	-0.101	275	17432			10.00- 60.00	23.45
4.827	4.928	-0.101	365	1423			1.00- 0.00	1.91
4.827	4.928	-0.101	441	6409			0.01- 99.99	63.49
4.827	4.928	-0.101	443	10094			15.00- 24.00	21.31

Data File: 1AA30002.D

Date: 30-JAN-2013 11:20

Client ID: DFTPP | Instrument: BSMA5973.i

Sample Info: DFTPP-1465456 | Operator: SCC



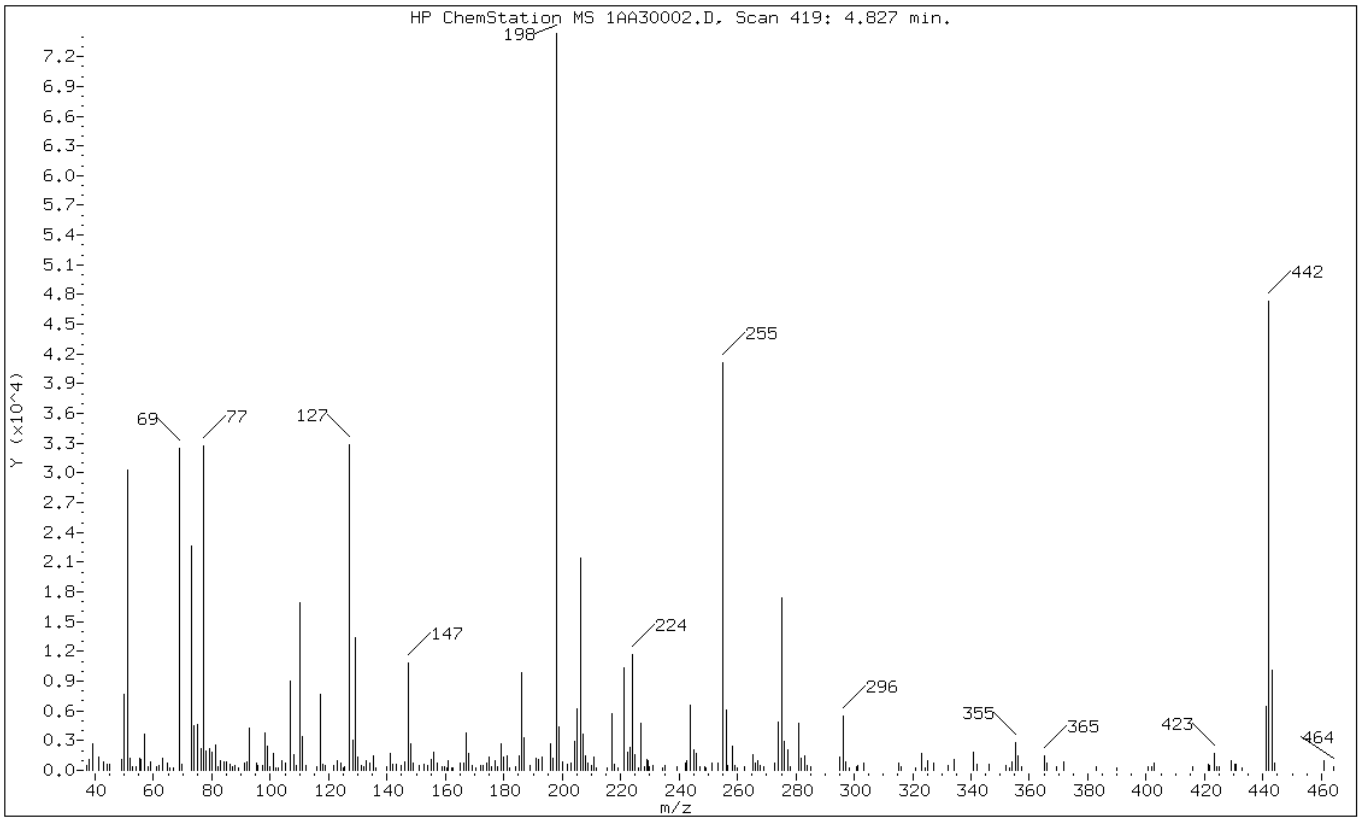
Data File: 1AA30002.D

Date: 30-JAN-2013 11:20

Client ID: DFTPP Instrument: BSMA5973.i

Sample Info: DFTPP-1465456 Operator: SCC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	40.69
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	43.70
70	Less than 2.00% of mass 69	0.74 (1.70)
127	10.00 - 80.00% of mass 198	44.21
197	Less than 2.00% of mass 198	1.66
442	Greater than 50.00% of mass 198	63.72
199	5.00 - 9.00% of mass 198	5.94
275	10.00 - 60.00% of mass 198	23.45
365	Greater than 1.00% of mass 198	1.91
441	Present, but less than mass 443	8.62
443	15.00 - 24.00% of mass 442	13.58 (21.31)

Data File: 1AA30002.D

Date: 30-JAN-2013 11:20

Client ID: DFTPP Instrument: BSMA5973.i

Sample Info: DFTPP-1465456 Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMA5973.i\1A013013.b\1AA30002.D
Spectrum: HP ChemStation MS 1AA30002.D, Scan 419: 4.827 min.
Location of Maximum: 198.00
Number of points: 248

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.10	463	115.80	356	192.00	1084	276.10	2879
38.10	1056	117.10	7698	193.10	1299	277.10	2022
39.10	2640	118.00	636	196.00	2623	278.10	421
41.10	1394	119.00	501	196.80	1231	281.10	4793
43.00	902	121.90	513	198.00	74336	281.90	1263
44.00	620	123.00	937	198.90	4419	283.10	1463
45.00	642	124.00	788	200.10	855	284.00	447
48.90	1064	125.10	290	201.60	588	285.20	378
50.00	7633	125.50	311	203.00	744	295.20	1388
51.00	30248	127.00	32864	204.10	2969	296.10	5460
52.00	1249	128.10	3077	205.10	6251	296.90	760
52.90	352	129.00	13426	206.10	21376	297.20	902
53.90	364	130.00	1385	207.10	3697	298.30	304
55.10	1245	131.10	517	208.10	1470	300.90	404
55.80	1133	131.90	345	208.90	742	301.20	468
57.00	3594	133.00	994	209.90	487	303.10	772
58.00	309	134.00	730	211.00	1283	315.20	713
59.10	792	135.20	1418	211.70	255	316.10	325
60.90	420	136.00	288	215.30	270	321.20	282
62.00	469	139.90	376	217.00	5695	323.10	1758
63.00	1184	141.00	1743	217.80	552	324.20	260
64.90	784	142.10	566	218.90	263	325.10	1029
65.70	296	143.10	565	221.10	10393	327.10	752
67.00	252	144.90	525	222.20	1774	332.10	466
69.00	32488	146.20	827	223.20	2301	334.10	1128
69.70	551	147.10	10784	224.10	11718	341.00	1772
73.10	22664	148.00	2728	225.00	1594	342.10	567
74.00	4472	148.90	784	226.10	256	346.20	603
75.00	4596	151.10	492	227.00	4790	351.90	469
76.10	2241	152.80	652	228.30	359	353.00	252
77.10	32760	153.80	496	228.90	1100	354.10	793
78.00	1915	155.00	1059	229.20	1033	355.10	2767
79.00	2162	156.10	1885	230.00	399	355.90	1469
80.00	1874	157.30	786	231.10	431	357.20	404
81.10	2537	158.70	305	234.20	272	365.20	1423
82.00	421	159.80	318	235.00	441	366.00	738
83.10	924	160.30	264	239.10	349	369.10	312
84.00	848	160.90	988	242.20	734	371.90	897
85.00	866	162.10	270	242.80	993	383.00	420
86.00	559	162.40	286	244.00	6598	390.00	264

87.10	384	165.10	785
88.00	530	166.10	783
89.00	250	167.00	3795
91.10	782	168.10	1669
92.10	880	169.00	452
93.00	4215	170.30	274
95.20	724	172.00	496
95.80	434	172.90	511
97.20	475	174.10	708
98.00	3751	175.00	1328
99.00	2422	175.90	361
99.90	308	177.10	917
101.00	1674	178.00	419
101.90	279	179.00	2653
102.80	255	179.90	1296
104.00	952	181.00	1468
105.00	681	182.10	271
107.00	9036	184.00	349
108.10	1631	185.10	1466
109.00	458	186.10	9887
110.00	16928	187.00	3312
111.00	3457	189.10	506
112.10	507	191.10	1269

245.00	2014	400.80	379
246.10	1712	402.00	325
247.10	374	402.80	702
248.90	360	416.00	308
249.20	288	421.10	557
251.10	700	421.90	480
253.20	782	423.20	1724
255.10	41128	424.20	319
256.10	6049	424.90	324
256.80	482	429.10	971
258.10	2470	430.20	549
259.10	440	430.90	557
260.10	293	433.00	281
262.30	318	441.00	6409
265.20	1624	442.00	47368
266.10	737	443.00	10094
267.00	947	444.00	751
267.80	439	461.10	933
268.90	299	464.20	357
269.20	385		
272.80	771		
274.10	4829		
275.10	17432		

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15005.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 15-FEB-2013 15:08
Operator : SCC Inst ID: BSMA5973.i
Smp Info : DFTPP-1465456
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\a-dftpp198.m
Meth Date : 09-Jan-2013 15:25 cantins Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: TAM1000

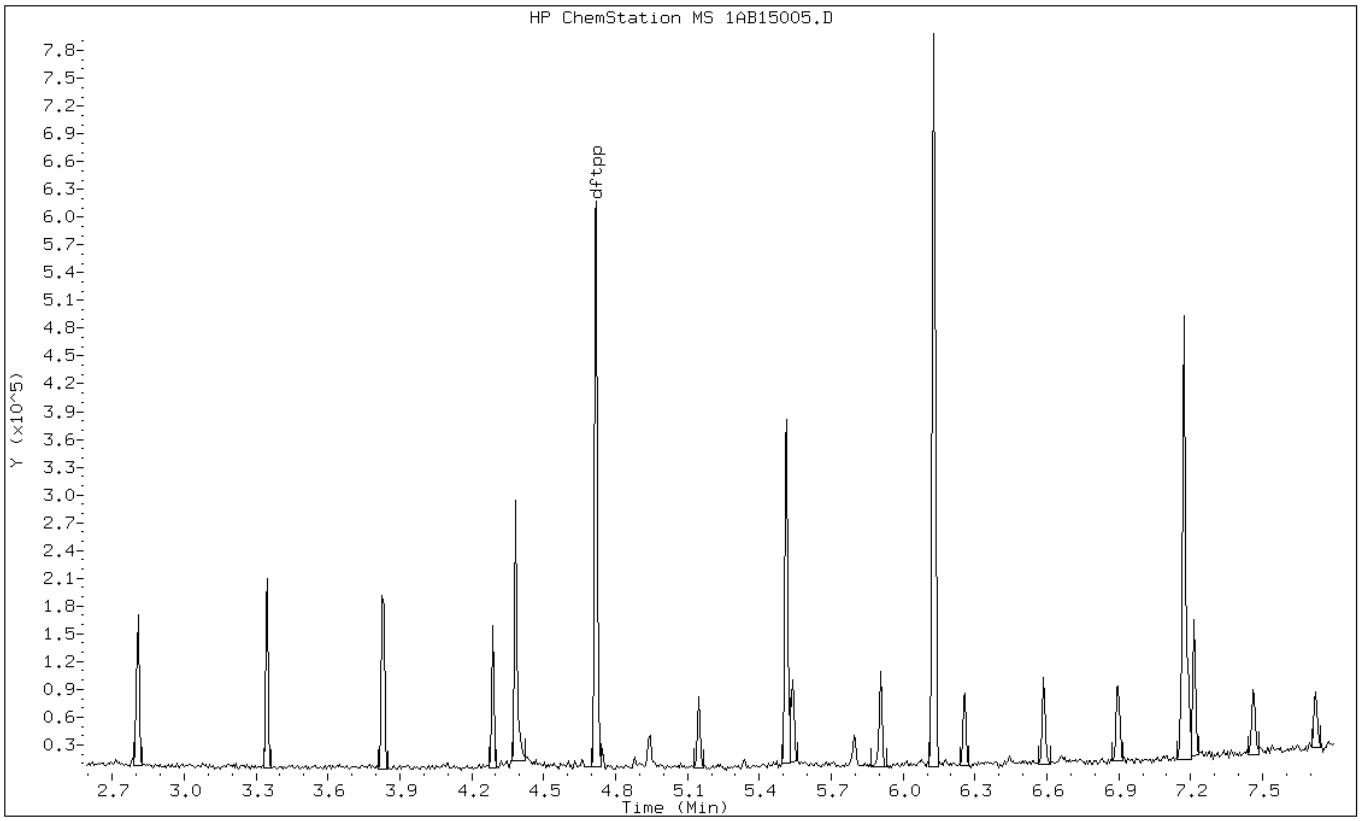
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
4.719	4.928	-0.209	198	64712			50.00- 0.00	100.00
4.719	4.928	-0.209	51	22008			10.00- 80.00	34.01
4.719	4.928	-0.209	68	0	0.0	0.0	0.00- 2.00	0.00
4.719	4.928	-0.209	69	26120			0.00- 0.00	40.36
4.719	4.928	-0.209	70	0	0.0	0.0	0.00- 2.00	0.00
4.719	4.928	-0.209	127	25096			10.00- 80.00	38.78
4.719	4.928	-0.209	197	0	0.0	0.0	0.00- 2.00	0.00
4.719	4.928	-0.209	442	54360			50.00- 0.00	84.00
4.719	4.928	-0.209	199	3659			5.00- 9.00	5.65
4.719	4.928	-0.209	275	17856			10.00- 60.00	27.59
4.719	4.928	-0.209	365	3884			1.00- 0.00	6.00
4.719	4.928	-0.209	441	8520			0.01- 99.99	98.89
4.719	4.928	-0.209	443	8616			15.00- 24.00	15.85

Data File: 1AB15005.D

Date: 15-FEB-2013 15:08

Client ID: DFTPP | Instrument: BSMA5973.i

Sample Info: DFTPP-1465456 | Operator: SCC



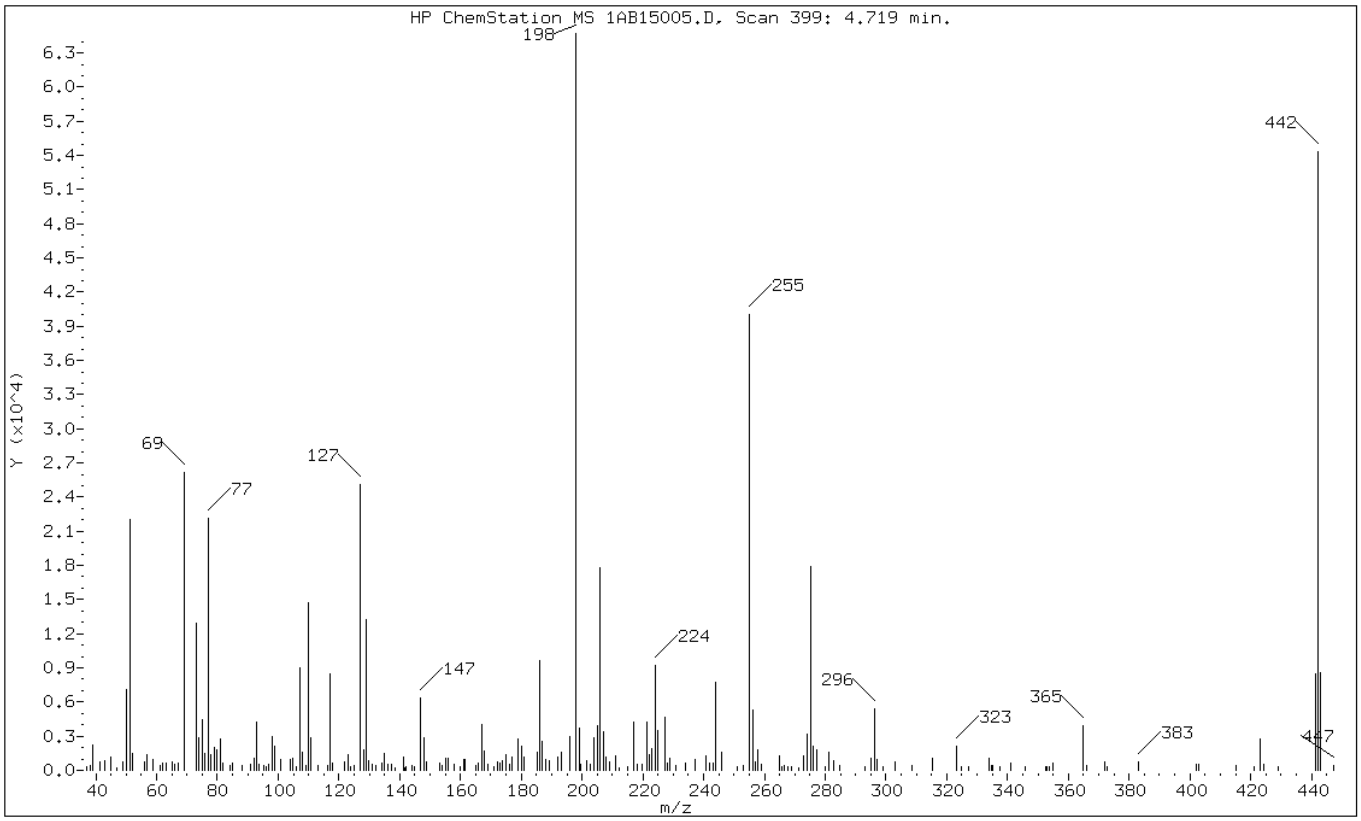
Data File: 1AB15005.D

Date: 15-FEB-2013 15:08

Client ID: DFTPP Instrument: BSMA5973.i

Sample Info: DFTPP-1465456 Operator: SCC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	34.01
68	Less than 2.00% of mass 69	0.00 (0.00)
69	Mass 69 relative abundance	40.36
70	Less than 2.00% of mass 69	0.00 (0.00)
127	10.00 - 80.00% of mass 198	38.78
197	Less than 2.00% of mass 198	0.00
442	Greater than 50.00% of mass 198	84.00
199	5.00 - 9.00% of mass 198	5.65
275	10.00 - 60.00% of mass 198	27.59
365	Greater than 1.00% of mass 198	6.00
441	Present, but less than mass 443	13.17
443	15.00 - 24.00% of mass 442	13.31 (15.85)

Data File: 1AB15005.D

Date: 15-FEB-2013 15:08

Client ID: DFTPP Instrument: BSMA5973.i

Sample Info: DFTPP-1465456 Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15005.D
Spectrum: HP ChemStation MS 1AB15005.D, Scan 399: 4.719 min.
Location of Maximum: 198.00
Number of points: 205

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	337	113.00	413	185.10	1608	269.10	361
38.00	428	116.10	396	186.00	9661	271.10	251
39.00	2272	117.00	8421	187.00	2495	272.90	1248
41.20	762	117.90	652	188.00	938	274.10	3208
43.00	860	121.80	779	189.10	838	275.10	17856
45.10	1140	123.00	1401	192.10	1135	276.10	2074
47.10	263	124.00	296	193.10	1538	277.10	1830
48.90	772	125.00	386	196.10	2976	279.90	291
50.00	7139	127.00	25096	198.00	64712	281.00	1628
51.10	22008	128.00	1769	199.00	3659	282.90	810
52.00	1460	129.00	13265	199.70	517	284.80	450
56.00	701	129.90	873	201.50	877	293.00	266
56.90	1324	131.00	521	202.90	572	295.10	1010
59.00	911	132.10	394	204.00	2828	296.10	5422
61.20	425	134.10	611	205.00	3944	297.10	937
61.90	589	135.00	1436	206.00	17760	299.00	360
63.20	660	136.00	504	207.20	3392	303.10	728
65.00	742	137.10	523	207.90	1149	308.60	421
65.80	496	138.30	260	208.90	701	315.10	1085
67.20	612	141.10	1183	210.90	1225	323.30	2073
69.00	26120	141.60	257	212.10	255	324.80	303
73.10	12930	142.10	332	215.00	276	327.10	337
74.00	2861	143.90	427	217.00	4247	334.10	1018
75.00	4493	145.00	293	218.00	511	334.90	458
76.00	1531	147.00	6380	219.90	499	335.10	437
77.10	22120	148.00	2877	221.20	4269	337.40	302
78.00	1382	148.90	710	222.20	1392	341.20	623
79.00	2019	153.10	678	223.10	1932	345.90	339
80.00	1806	154.00	371	224.10	9201	352.40	341
81.00	2789	155.10	1104	225.10	3524	353.10	289
81.80	612	156.10	1073	227.10	4669	353.80	349
84.10	399	158.00	483	228.00	688	355.00	639
84.80	630	159.80	346	228.90	1100	365.00	3884
88.00	384	161.10	940	230.90	399	365.90	464
91.00	514	161.40	944	234.10	649	366.20	469
92.00	1047	161.60	884	237.10	931	372.10	748
93.00	4227	164.90	396	240.90	1311	372.80	317
93.70	498	165.10	408	242.10	588	382.90	729
95.20	403	166.00	631	243.00	645	402.20	548
96.00	363	166.90	4026	244.10	7780	403.00	486

97.00	510	168.00	1663	246.00	1623	415.10	392
98.10	2940	169.00	494	251.10	352	421.10	284
99.00	2169	170.80	312	253.20	454	423.10	2777
101.00	946	172.10	768	255.10	40000	424.20	497
104.00	973	173.10	643	256.10	5315	429.00	320
104.90	1076	173.90	854	257.00	694	441.20	8520
105.90	316	175.10	1325	257.90	1822	442.00	54360
107.00	9003	176.20	561	259.10	576	443.10	8616
108.00	1600	177.00	1145	264.90	1316	447.30	422
109.00	402	179.00	2793	265.80	353		
110.00	14767	180.00	2070	266.70	475		
110.90	2860	181.00	1182	267.90	327		

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\1CA07002.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 07-JAN-2013 11:23
Operator : SCC Inst ID: BSMC5973.i
Smp Info : DFTPP-1490607
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\c-dftpp198.m
Meth Date : 24-Sep-2012 11:04 cantins Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: TAM1000

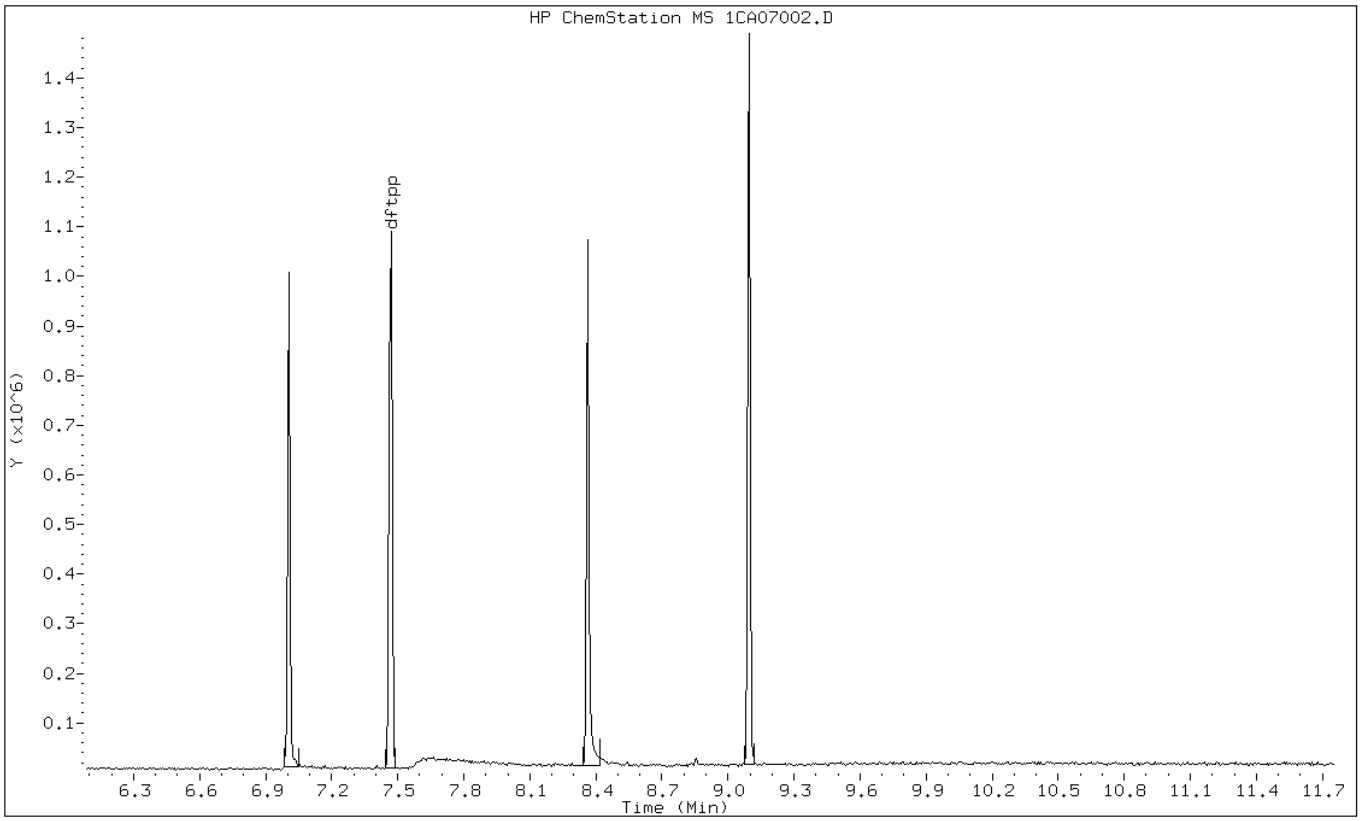
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.469	7.763	-0.294	198	127120			50.00- 0.00	100.00
7.469	7.763	-0.294	51	41280			10.00- 80.00	32.47
7.469	7.763	-0.294	68	533			0.00- 2.00	1.05
7.469	7.763	-0.294	69	50672			0.00- 0.00	39.86
7.469	7.763	-0.294	70	529			0.00- 2.00	1.04
7.469	7.763	-0.294	127	59544			10.00- 80.00	46.84
7.469	7.763	-0.294	197	1231			0.00- 2.00	0.97
7.469	7.763	-0.294	442	114480			50.00- 0.00	90.06
7.469	7.763	-0.294	199	7870			5.00- 9.00	6.19
7.469	7.763	-0.294	275	29224			10.00- 60.00	22.99
7.469	7.763	-0.294	365	3930			1.00- 0.00	3.09
7.469	7.763	-0.294	441	16880			0.01- 99.99	77.01
7.469	7.763	-0.294	443	21920			15.00- 24.00	19.15

Data File: 1CA07002.D

Date: 07-JAN-2013 11:23

Client ID: DFTPP | Instrument: BSMC5973.i

Sample Info: DFTPP-1490607 | Operator: SCC



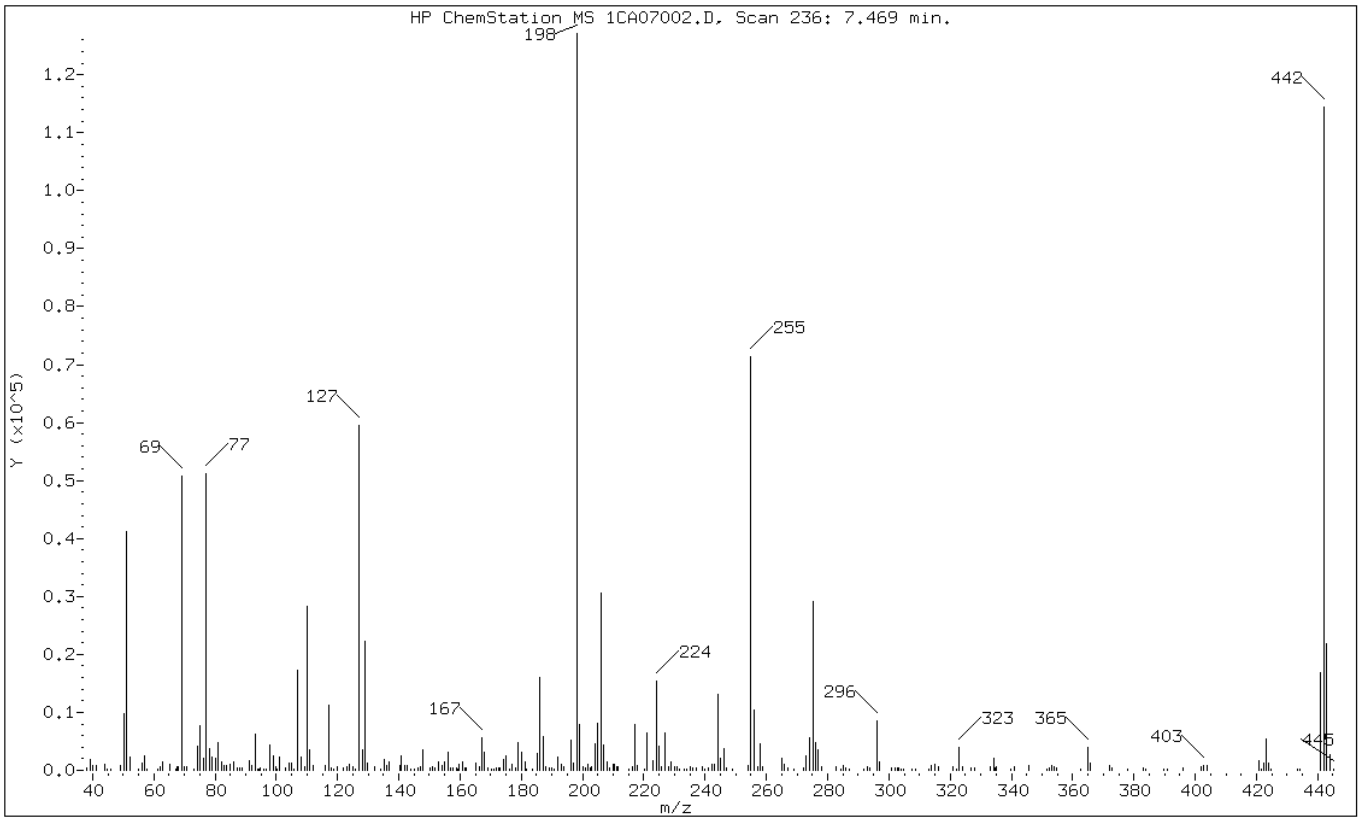
Data File: 1CA07002.D

Date: 07-JAN-2013 11:23

Client ID: DFTPP Instrument: BSMC5973.i

Sample Info: DFTPP-1490607 Operator: SCC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	32.47
68	Less than 2.00% of mass 69	0.42 (1.05)
69	Mass 69 relative abundance	39.86
70	Less than 2.00% of mass 69	0.42 (1.04)
127	10.00 - 80.00% of mass 198	46.84
197	Less than 2.00% of mass 198	0.97
442	Greater than 50.00% of mass 198	90.06
199	5.00 - 9.00% of mass 198	6.19
275	10.00 - 60.00% of mass 198	22.99
365	Greater than 1.00% of mass 198	3.09
441	Present, but less than mass 443	13.28
443	15.00 - 24.00% of mass 442	17.24 (19.15)

Data File: 1CA07002.D

Date: 07-JAN-2013 11:23

Client ID: DFTPP Instrument: BSMC5973.i

Sample Info: DFTPP-1490607 Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMC5973.i\1C010713.b\1CA07002.D
Spectrum: HP ChemStation MS 1CA07002.D, Scan 236: 7.469 min.
Location of Maximum: 198.00
Number of points: 272

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.10	420	119.90	601	196.10	5188	285.10	914
39.10	1782	121.80	475	197.10	1231	286.00	390
40.00	839	123.00	633	198.00	127120	287.10	179
41.10	859	124.00	937	199.00	7870	291.80	160
44.10	1108	125.00	669	200.10	670	293.00	589
44.90	152	125.90	258	200.90	482	293.90	453
45.90	156	127.10	59544	201.60	949	296.00	8526
49.00	871	128.10	3506	202.40	400	297.00	1368
50.10	9842	129.10	22208	203.00	538	300.70	479
51.10	41280	129.90	1266	204.00	4533	302.10	418
52.10	2357	132.10	617	205.00	8018	302.90	472
55.00	276	134.10	298	206.10	30592	303.30	414
56.00	1192	135.20	1953	207.00	4423	304.00	250
57.00	2442	136.10	890	208.00	1503	304.90	167
57.90	185	137.00	1425	208.80	471	307.70	155
61.30	188	140.20	914	210.00	937	308.80	244
62.00	685	140.90	2482	210.50	1006	313.00	279
63.00	1392	141.90	797	211.00	696	313.90	813
65.10	1132	142.90	864	211.60	536	315.00	1012
67.10	153	144.10	161	215.00	234	316.00	692
67.70	533	145.10	150	216.10	583	321.00	591
68.10	627	146.20	391	217.00	7970	322.00	171
69.10	50672	147.10	718	217.90	767	323.00	3997
70.10	529	148.00	3470	220.10	248	324.00	655
70.80	521	150.20	424	221.10	6401	327.00	413
73.10	282	151.00	649	222.80	1599	328.10	455
74.10	4253	151.80	327	224.10	15340	333.00	681
75.10	7783	153.00	1468	225.10	4235	334.10	2080
76.20	2092	154.10	806	225.90	587	334.80	423
77.10	51200	155.00	1543	227.00	6494	335.20	609
78.10	3708	156.00	3046	228.00	644	339.70	262
79.10	2279	156.90	385	228.90	1504	341.10	544
80.00	1989	157.80	369	230.00	552	345.80	748
81.00	4740	158.70	485	230.90	613	351.50	280
82.00	1539	159.20	191	231.70	188	352.30	428
82.90	800	159.80	1069	233.10	217	353.10	740
83.90	857	161.00	1449	234.00	303	354.00	654
85.00	1057	161.70	319	235.00	716	354.70	475
86.10	1480	162.10	352	235.90	363	362.50	264
87.10	445	165.00	1236	237.10	461	365.00	3930

87.90	375	166.20	671
89.00	333	167.00	5703
91.10	1642	168.00	3193
91.90	746	169.00	422
93.10	6202	170.10	237
93.80	300	171.00	275
94.20	188	171.90	443
94.80	488	172.80	465
96.10	190	173.10	403
96.90	185	174.20	1825
98.00	4388	175.10	2490
99.00	2420	176.00	265
99.70	568	176.80	966
100.20	212	178.00	357
101.10	2275	179.00	4862
103.00	381	180.10	3189
104.00	1148	181.10	1541
105.00	1192	181.80	286
105.80	271	183.60	157
107.00	17216	185.10	2863
108.00	2207	186.10	15999
109.20	723	187.10	5787
110.00	28384	188.10	556
111.00	3607	189.20	469
112.10	771	190.10	335
116.00	796	190.60	276
117.00	11205	192.00	2219
118.00	466	193.00	1058
118.90	198	194.00	556

238.90	530	365.90	1347
239.70	227	372.00	894
241.00	373	372.90	491
242.10	1013	378.00	155
243.10	1025	382.90	344
244.10	13028	383.80	260
245.00	2095	389.90	193
246.00	3792	391.00	205
247.10	451	396.00	313
249.10	154	402.00	707
253.90	895	402.90	932
255.00	71336	404.00	827
256.00	10460	421.00	1613
257.10	645	421.60	223
258.00	4542	422.20	1189
258.80	695	423.00	5417
264.90	2158	424.10	1194
266.00	1029	424.70	185
267.20	353	433.30	241
269.00	264	434.10	201
272.10	445	441.00	16880
273.10	2581	442.00	114480
274.00	5681	443.00	21920
275.10	29224	444.00	2789
276.00	4836	445.20	272
277.00	3605		
278.10	644		
282.80	642		
284.50	218		

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\1CB15003.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 15-FEB-2013 11:40
Operator : SCC Inst ID: BSMC5973.i
Smp Info : DFTPP-1490607
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\c-dftpp198.m
Meth Date : 04-Feb-2013 16:33 cantins Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 3 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: TAM1000

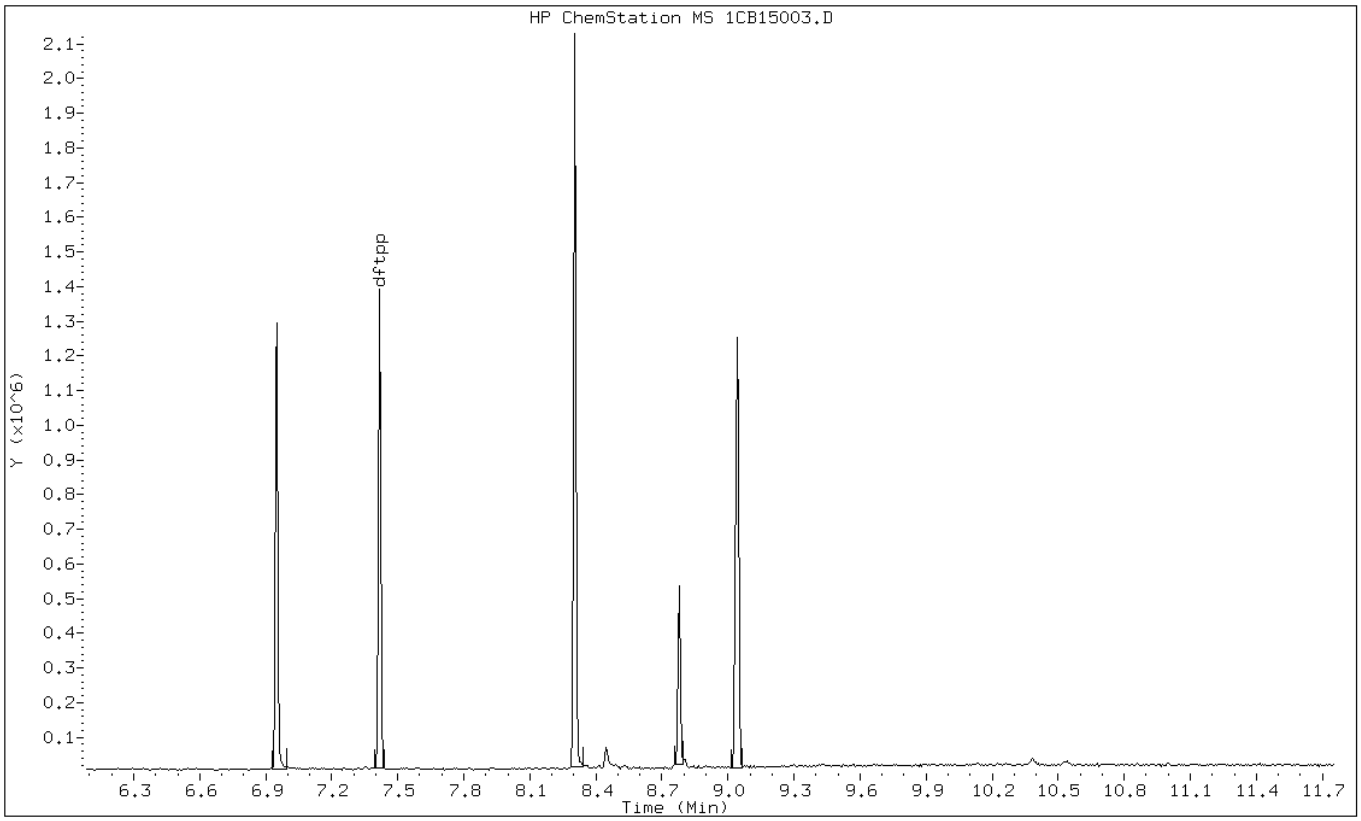
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.416	7.469	-0.053	198	165504			50.00- 0.00	100.00
7.416	7.469	-0.053	51	54416			10.00- 80.00	32.88
7.416	7.469	-0.053	68	766			0.00- 2.00	1.06
7.416	7.469	-0.053	69	72000			0.00- 0.00	43.50
7.416	7.469	-0.053	70	581			0.00- 2.00	0.81
7.416	7.469	-0.053	127	77344			10.00- 80.00	46.73
7.416	7.469	-0.053	197	1518			0.00- 2.00	0.92
7.416	7.469	-0.053	442	118800			50.00- 0.00	71.78
7.416	7.469	-0.053	199	12221			5.00- 9.00	7.38
7.416	7.469	-0.053	275	37832			10.00- 60.00	22.86
7.416	7.469	-0.053	365	4167			1.00- 0.00	2.52
7.416	7.469	-0.053	441	18088			0.01- 99.99	68.47
7.416	7.469	-0.053	443	26416			15.00- 24.00	22.24

Data File: 1CB15003.D

Date: 15-FEB-2013 11:40

Client ID: DFTPP | Instrument: BSMC5973.i

Sample Info: DFTPP-1490607 | Operator: SCC



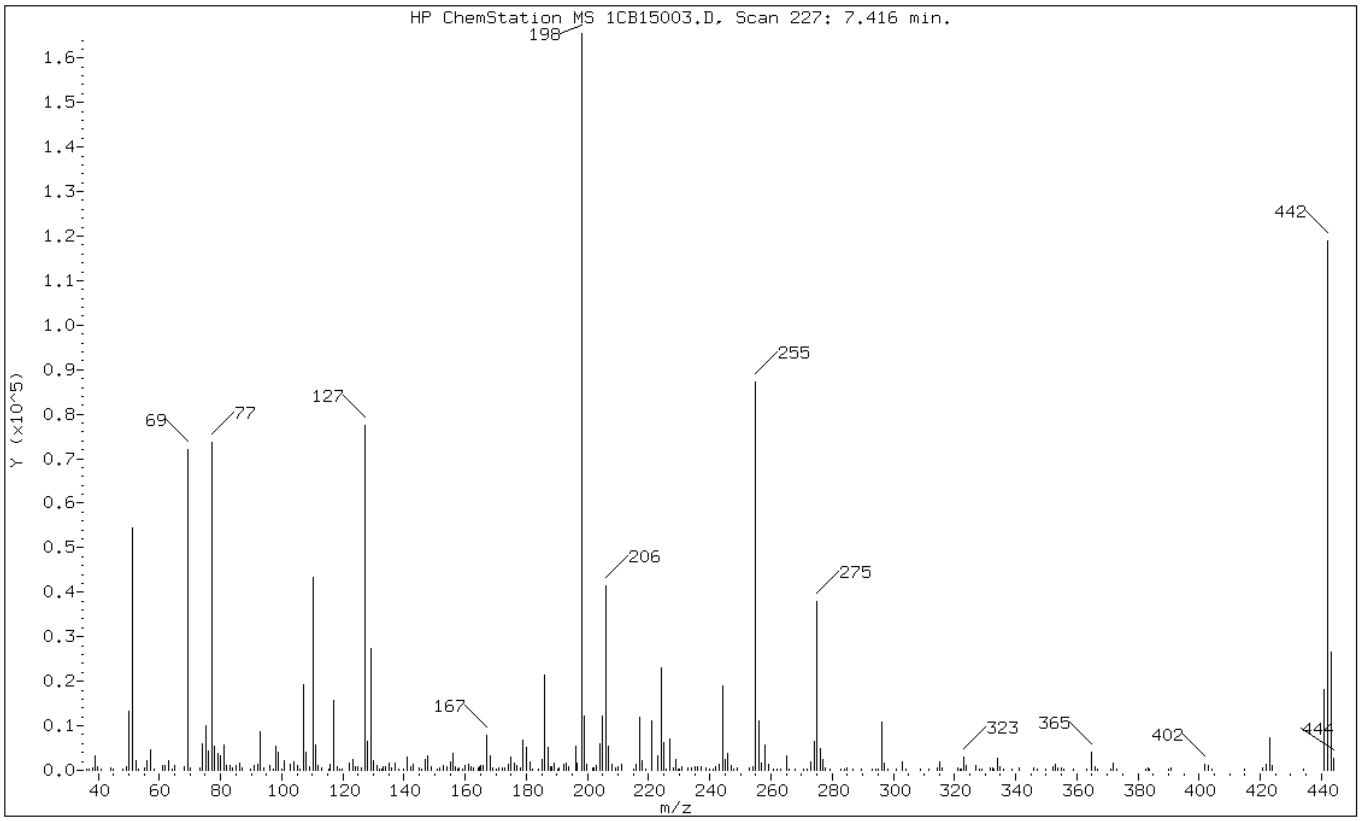
Data File: 1CB15003.D

Date: 15-FEB-2013 11:40

Client ID: DFTPP Instrument: BSMC5973.i

Sample Info: DFTPP-1490607 Operator: SCC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	32.88
68	Less than 2.00% of mass 69	0.46 (1.06)
69	Mass 69 relative abundance	43.50
70	Less than 2.00% of mass 69	0.35 (0.81)
127	10.00 - 80.00% of mass 198	46.73
197	Less than 2.00% of mass 198	0.92
442	Greater than 50.00% of mass 198	71.78
199	5.00 - 9.00% of mass 198	7.38
275	10.00 - 60.00% of mass 198	22.86
365	Greater than 1.00% of mass 198	2.52
441	Present, but less than mass 443	10.93
443	15.00 - 24.00% of mass 442	15.96 (22.24)

Data File: 1CB15003.D

Date: 15-FEB-2013 11:40

Client ID: DFTPP Instrument: BSMC5973.i

Sample Info: DFTPP-1490607 Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\1CB15003.D
Spectrum: HP ChemStation MS 1CB15003.D, Scan 227: 7.416 min.
Location of Maximum: 198.00
Number of points: 281

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.20	202	124.10	700	196.10	5316	284.10	264
36.90	243	124.90	823	196.70	1518	285.00	483
38.20	616	126.20	562	198.00	165504	286.90	160
39.10	3384	127.10	77344	199.00	12221	289.70	189
39.90	889	128.10	6489	199.90	1426	292.90	399
40.80	302	129.10	27432	201.50	582	294.20	258
44.10	516	130.00	2118	202.20	551	295.00	177
44.80	250	131.00	998	203.00	1069	296.10	10818
48.00	217	132.00	196	204.10	5947	297.00	1601
49.10	877	132.60	307	205.00	12112	298.20	227
50.10	13274	133.30	716	206.10	41432	301.00	167
51.10	54416	134.10	878	207.00	5303	303.00	1988
52.20	2036	135.00	1641	208.00	1318	304.00	168
53.10	288	136.00	512	209.10	537	308.90	250
55.10	607	137.10	1602	210.10	753	311.70	321
56.00	2100	138.10	266	211.00	1469	314.30	618
57.10	4572	139.90	247	214.90	338	315.00	1867
58.10	259	141.10	2882	216.00	1341	316.10	514
61.10	998	142.00	869	217.00	11805	321.20	649
62.00	979	142.80	1359	218.00	2111	321.70	196
63.10	2248	145.10	551	218.90	177	322.20	229
64.10	270	145.60	338	221.00	10980	323.10	3075
65.00	1105	147.10	2483	223.00	3215	324.00	1052
68.20	766	147.90	3295	224.10	23040	327.00	962
69.10	72000	149.00	742	225.10	6130	328.20	336
70.00	581	150.90	323	225.80	396	329.00	186
73.10	433	151.50	502	227.00	7147	331.90	642
74.10	5836	153.00	1125	227.90	594	332.60	428
75.10	10029	154.00	851	228.90	2511	332.90	380
76.10	4206	155.00	1827	229.80	196	334.00	2608
77.10	73600	156.00	3890	230.20	348	334.90	681
78.10	5411	156.80	721	231.00	747	336.20	299
79.00	3847	157.50	383	232.90	483	338.80	227
80.00	3333	158.10	622	234.10	548	341.10	653
81.10	5637	159.00	160	235.10	782	346.00	613
82.10	1178	160.00	1187	236.00	688	346.90	232
83.10	1140	161.20	1356	237.00	755	350.00	359
83.80	655	161.90	878	238.80	636	352.00	931
85.10	1107	162.80	435	239.90	263	353.00	1335
86.10	1537	164.20	556	240.90	381	353.90	610

87.10	640	164.70	934	242.00	929	355.00	448
89.80	341	165.10	1112	242.90	1362	355.90	243
91.00	1187	166.00	1080	244.10	18880	359.00	178
92.00	1229	167.00	7874	245.00	2451	363.10	158
93.00	8763	168.00	3199	246.00	3682	365.00	4167
94.30	561	168.90	627	247.00	956	366.10	730
96.20	996	170.00	286	247.90	382	366.80	287
97.20	280	171.10	455	249.00	495	371.10	328
98.10	5552	172.00	527	253.10	579	372.00	1655
98.90	4020	173.10	673	253.90	932	372.90	339
100.10	321	174.10	1226	255.00	87176	382.70	294
101.00	2274	175.00	3070	256.00	11041	383.20	506
102.90	1366	176.10	1660	257.00	1497	383.70	208
103.90	2024	177.00	1128	258.00	5747	389.90	172
105.00	1170	178.10	421	259.10	1374	390.90	446
105.90	196	179.00	6675	260.90	243	402.00	1419
107.10	19208	180.10	5043	262.00	249	403.00	950
108.00	3986	181.00	1852	263.00	153	404.10	229
109.00	692	181.90	256	265.10	3325	415.00	187
110.10	43448	184.10	362	265.90	370	420.90	600
111.10	5619	185.00	2502	268.00	304	422.10	1356
111.90	1165	186.10	21320	270.60	307	423.00	7370
112.90	432	187.10	5202	271.90	232	424.10	1156
115.20	374	187.90	723	273.00	1819	434.00	203
115.90	1431	188.20	705	274.10	6497	441.00	18088
117.10	15618	189.10	1540	275.00	37832	442.00	118800
118.00	924	190.10	318	276.00	4895	443.10	26416
119.10	357	190.80	591	277.00	2366	444.00	2685
119.90	320	192.10	1282	277.90	434		
122.00	1620	193.00	1544	279.30	358		
123.10	2553	194.00	743	282.90	292		

TestAmerica Laboratories

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\1CB18002.D
Lab Smp Id: DFTPP Client Smp ID: DFTPP
Inj Date : 18-FEB-2013 13:50
Operator : SCC Inst ID: BSMC5973.i
Smp Info : DFTPP-1490607
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\c-dftpp198.m
Meth Date : 04-Feb-2013 16:33 cantins Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 2 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 4.14 Sample Matrix: None
Processing Host: TAM1000

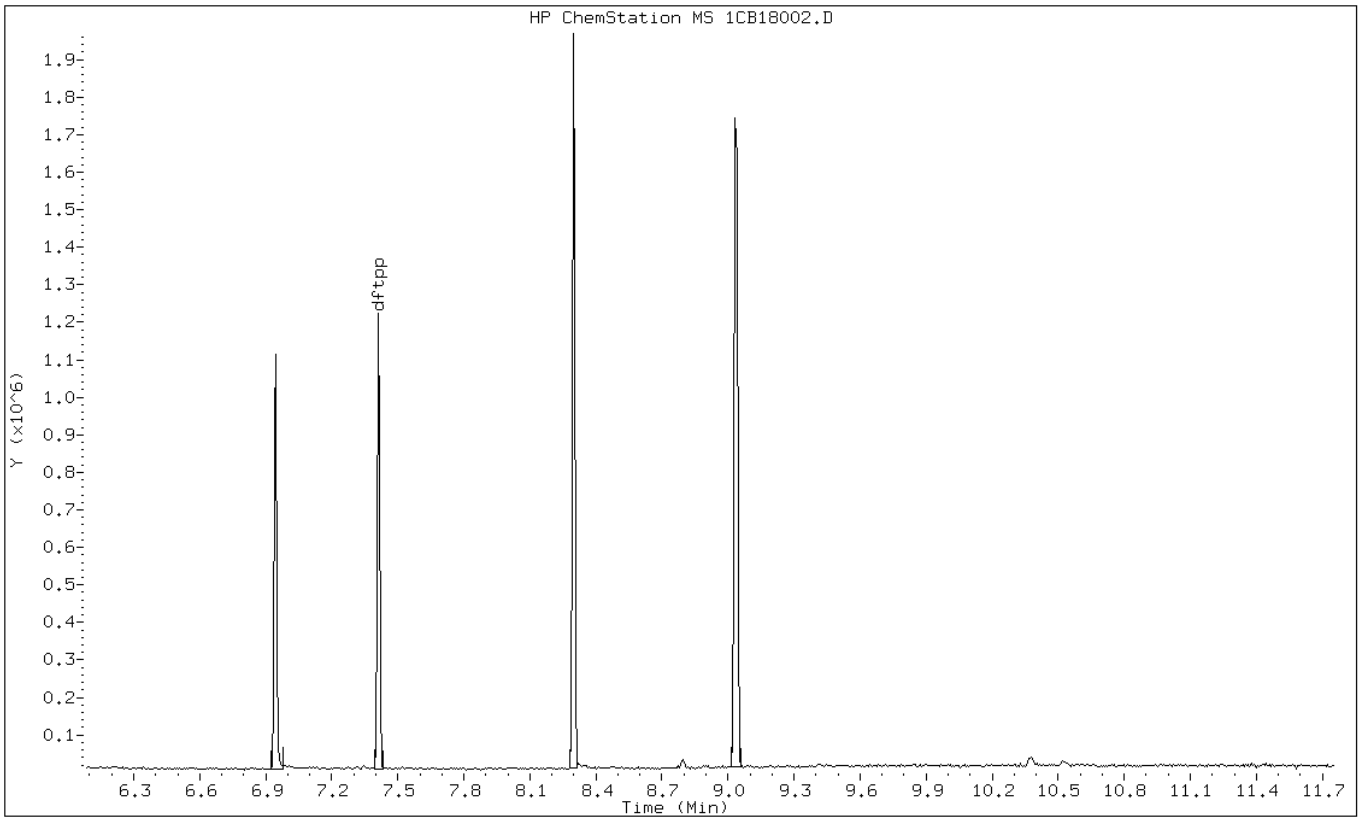
RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp						CAS #: 5074-71-5		
7.410	7.469	-0.059	198	145216			50.00- 0.00	100.00
7.410	7.469	-0.059	51	51064			10.00- 80.00	35.16
7.410	7.469	-0.059	68	1067			0.00- 2.00	1.61
7.410	7.469	-0.059	69	66456			0.00- 0.00	45.76
7.410	7.469	-0.059	70	355			0.00- 2.00	0.53
7.410	7.469	-0.059	127	66960			10.00- 80.00	46.11
7.410	7.469	-0.059	197	1418			0.00- 2.00	0.98
7.410	7.469	-0.059	442	106200			50.00- 0.00	73.13
7.410	7.469	-0.059	199	9488			5.00- 9.00	6.53
7.410	7.469	-0.059	275	32072			10.00- 60.00	22.09
7.410	7.469	-0.059	365	4814			1.00- 0.00	3.32
7.410	7.469	-0.059	441	15700			0.01- 99.99	79.78
7.410	7.469	-0.059	443	19680			15.00- 24.00	18.53

Data File: 1CB18002.D

Date: 18-FEB-2013 13:50

Client ID: DFTPP | Instrument: BSMC5973.i

Sample Info: DFTPP-1490607 | Operator: SCC



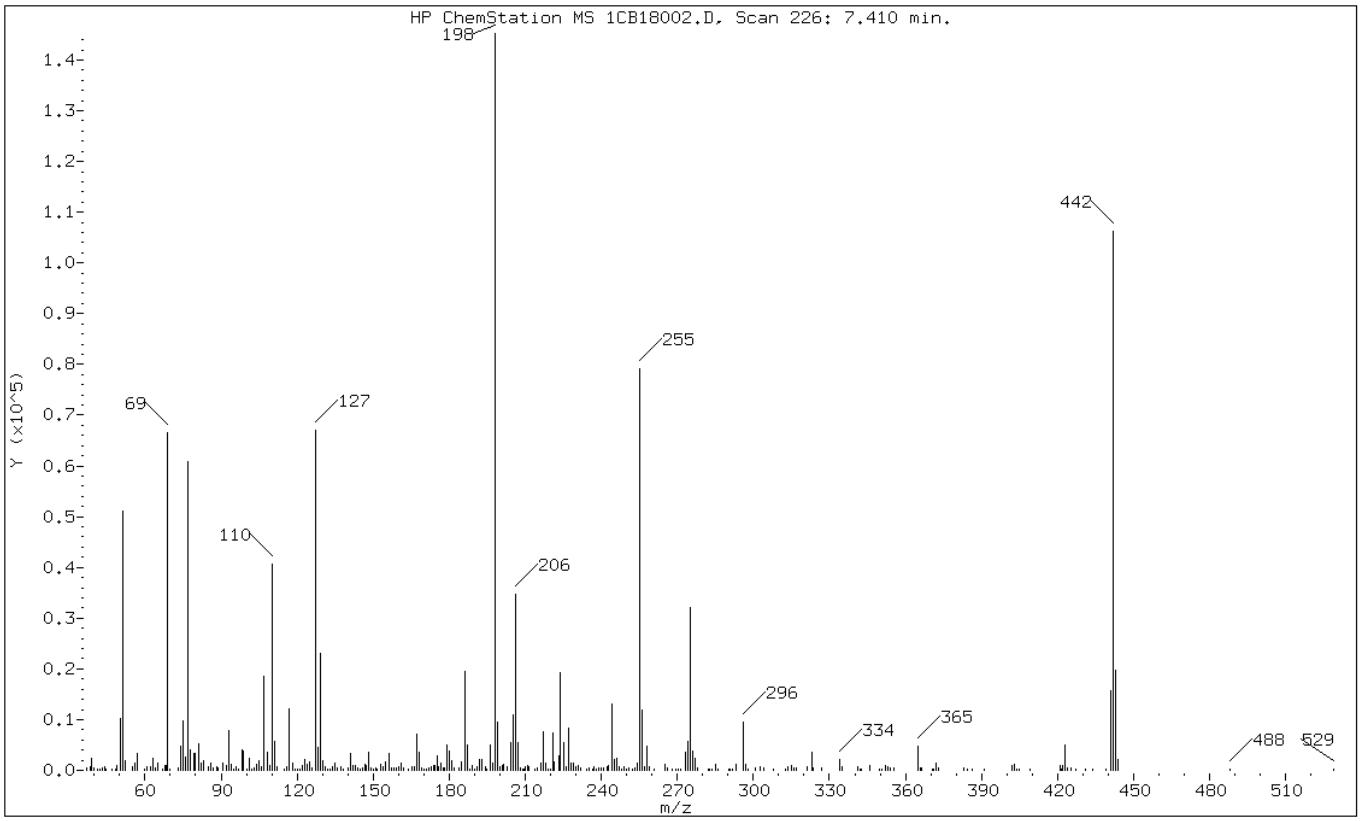
Data File: 1CB18002.D

Date: 18-FEB-2013 13:50

Client ID: DFTPP | Instrument: BSMC5973.i

Sample Info: DFTPP-1490607 | Operator: SCC

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	10.00 - 80.00% of mass 198	35.16
68	Less than 2.00% of mass 69	0.73 (1.61)
69	Mass 69 relative abundance	45.76
70	Less than 2.00% of mass 69	0.24 (0.53)
127	10.00 - 80.00% of mass 198	46.11
197	Less than 2.00% of mass 198	0.98
442	Greater than 50.00% of mass 198	73.13
199	5.00 - 9.00% of mass 198	6.53
275	10.00 - 60.00% of mass 198	22.09
365	Greater than 1.00% of mass 198	3.32
441	Present, but less than mass 443	10.81
443	15.00 - 24.00% of mass 442	13.55 (18.53)

Data File: 1CB18002.D

Date: 18-FEB-2013 13:50

Client ID: DFTPP Instrument: BSMC5973.i

Sample Info: DFTPP-1490607 Operator: SCC

Data File: \\tam-chemsvr\chem\SM\BSMC5973.i\1C021813.b\1CB18002.D
Spectrum: HP ChemStation MS 1CB18002.D, Scan 226: 7.410 min.
Location of Maximum: 198.00
Number of points: 295

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	443	122.00	935	194.90	276	275.00	32072
38.20	600	123.10	2204	196.10	5040	276.10	3692
39.10	2391	123.90	1296	197.10	1418	277.00	2483
39.90	573	125.10	1742	198.00	145216	278.00	538
41.10	278	125.80	539	199.00	9488	282.10	201
42.00	154	127.10	66960	200.10	633	282.80	260
43.10	411	128.10	4509	201.20	1069	283.80	183
44.10	735	129.00	23144	201.50	1204	285.10	1204
44.70	238	130.00	1989	202.90	643	285.90	294
47.10	170	131.10	666	204.10	5487	290.10	240
48.20	235	131.90	356	205.10	10861	290.90	175
49.10	896	133.00	184	206.10	34616	291.80	277
50.10	10205	134.00	768	207.10	5565	293.10	1093
51.10	51064	135.00	1413	208.20	359	296.00	9534
52.10	1877	135.80	482	209.00	307	296.90	1133
54.90	674	137.20	686	209.70	193	298.10	214
56.00	1357	138.00	282	210.20	669	300.70	427
57.10	3399	140.00	384	211.00	951	302.90	671
59.90	199	141.10	3214	211.60	754	304.00	556
61.00	763	141.90	1049	213.80	156	307.80	320
62.20	685	142.90	852	214.90	446	312.70	334
63.10	2375	144.10	445	216.00	1332	313.80	711
64.10	397	145.10	217	217.00	7680	314.80	1005
65.00	1452	145.80	374	218.10	1422	316.00	501
66.90	159	146.70	1161	219.00	212	316.90	378
67.80	1067	147.20	1061	220.10	221	321.10	656
68.20	1051	148.10	3673	221.00	7334	323.10	3484
69.00	66456	149.00	454	221.60	1626	323.80	369
70.00	355	149.90	309	223.10	2849	327.10	506
73.00	513	150.30	201	224.00	19192	334.00	2065
74.20	4856	150.90	454	225.10	5369	335.10	649
75.00	9808	151.40	282	226.00	699	341.10	791
76.00	2640	153.00	1260	227.00	8322	342.00	240
77.10	60752	153.80	677	228.10	1355	342.80	249
78.10	4060	155.00	1702	229.00	1354	345.90	971
79.10	3373	156.10	3218	229.90	677	349.90	276
80.00	3260	157.10	454	231.00	927	350.80	152
81.10	5308	158.00	406	231.90	527	352.00	859
82.00	1396	159.00	390	234.00	308	352.90	603
83.20	1812	160.10	663	235.10	416	354.00	469

85.10	770	161.10	1476	236.60	264	355.20	416
86.00	1365	161.90	577	237.10	820	365.00	4814
87.10	520	163.80	319	237.80	154	365.70	373
88.10	621	165.10	682	239.00	504	366.20	391
88.90	553	166.20	816	239.80	522	370.50	172
90.90	1393	167.00	7078	240.70	461	371.10	154
92.00	1026	168.00	3589	241.10	291	372.00	1475
93.10	7947	168.90	484	242.10	820	373.00	474
94.00	1243	169.90	198	243.00	1054	382.90	401
95.00	281	171.10	189	244.10	13067	384.20	308
96.00	661	172.00	520	245.00	2206	386.10	193
96.90	153	173.00	741	246.10	2260	391.10	237
98.10	3999	173.80	869	247.10	636	402.00	859
99.00	3764	174.40	946	248.10	230	402.90	1196
100.00	253	175.10	2826	248.90	616	404.00	213
101.00	2429	175.80	743	249.90	275	405.00	218
102.00	314	176.90	1474	251.10	387	409.30	211
103.10	476	177.70	433	252.20	325	420.80	878
104.00	1192	178.10	415	253.10	484	421.60	293
105.00	1945	179.00	4960	254.00	1378	422.00	944
106.00	649	180.10	3833	255.00	79224	423.00	5039
107.10	18440	181.10	1818	256.00	11788	423.90	582
108.10	3652	182.00	398	256.90	712	425.20	437
109.10	866	184.00	442	258.10	4754	427.10	184
110.10	40592	185.00	1736	259.00	699	431.10	267
111.10	5721	186.10	19456	260.90	184	434.00	215
112.00	679	187.00	4992	265.00	1160	439.10	271
114.90	189	187.90	187	266.00	393	441.10	15700
115.90	641	189.00	854	268.00	282	442.00	106200
117.00	12171	190.20	198	269.20	194	443.00	19680
118.10	1328	191.10	617	270.40	173	444.00	2067
119.20	185	192.10	2115	271.30	174	488.10	181
120.10	196	193.10	2066	273.00	3560	528.90	172
121.00	153	194.10	768	274.00	5743		

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa
Job No.: 680-87279-2
SDG No.: 68087279-2
Client Sample ID:
Lab Sample ID: MB 660-134455/1-A
Matrix: Solid
Lab File ID: 1AB15008.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 02/14/2013 08:35
Sample wt/vol: 15.15(g)
Date Analyzed: 02/15/2013 15:52
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 134532
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	99	U	99	20
208-96-8	Acenaphthylene	40	U	40	5.0
120-12-7	Anthracene	8.3	U	8.3	4.2
56-55-3	Benzo[a]anthracene	7.9	U	7.9	3.9
50-32-8	Benzo[a]pyrene	10	U	10	5.1
205-99-2	Benzo[b]fluoranthene	12	U	12	6.0
191-24-2	Benzo[g,h,i]perylene	20	U	20	4.4
207-08-9	Benzo[k]fluoranthene	7.9	U	7.9	3.6
218-01-9	Chrysene	8.9	U	8.9	4.5
53-70-3	Dibenz(a,h)anthracene	20	U	20	4.1
206-44-0	Fluoranthene	20	U	20	4.0
86-73-7	Fluorene	20	U	20	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	20	U	20	7.0
90-12-0	1-Methylnaphthalene	40	U	40	4.4
91-57-6	2-Methylnaphthalene	40	U	40	7.0
91-20-3	Naphthalene	40	U	40	4.4
85-01-8	Phenanthrene	7.9	U	7.9	3.9
129-00-0	Pyrene	20	U	20	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	89		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15008.D
Lab Smp Id: mb 660-134455/1-a
Inj Date : 15-FEB-2013 15:52
Operator : SCC Inst ID: BSMA5973.i
Smp Info : mb 660-134455/1-a
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 15:32 cantins Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.150	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

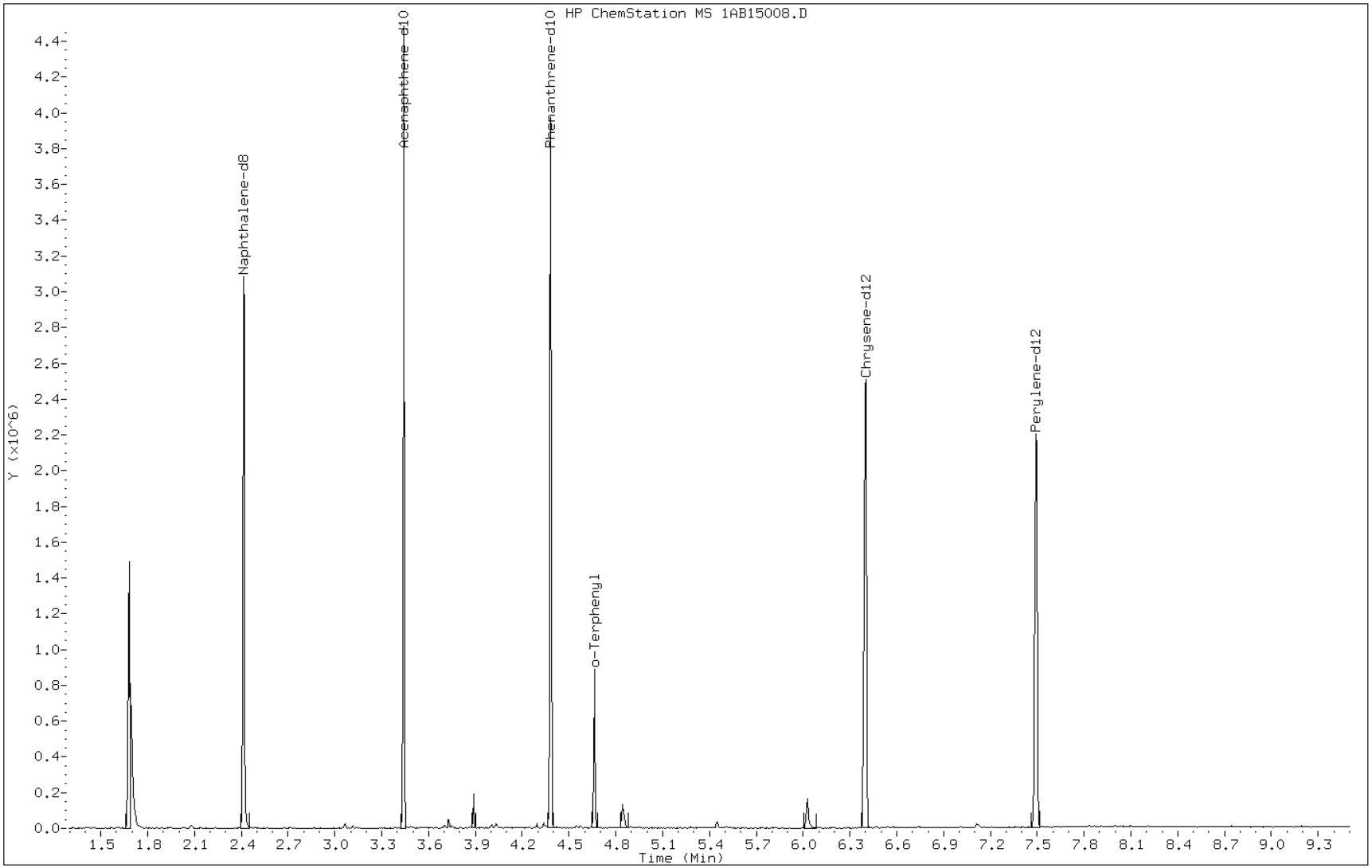
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	2.412	2.415	(1.000)	1027824	40.0000	
* 6 Acenaphthene-d10	164	3.443	3.441	(1.000)	716597	40.0000	
* 10 Phenanthrene-d10	188	4.383	4.386	(1.000)	1014397	40.0000	
$ 14 o-Terphenyl	230	4.661	4.664	(1.063)	130646	8.86353	585.0513
* 18 Chrysene-d12	240	6.402	6.411	(1.000)	843677	40.0000	
* 23 Perylene-d12	264	7.498	7.501	(1.000)	853259	40.0000	

Data File: 1AB15008.D

Date: 15-FEB-2013 15:52

Client ID: Instrument: BSMA5973.i

Sample Info: mb 660-134455/1-a Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: | Lab Sample ID: MB 660-134472/1-A

Matrix: Solid | Lab File ID: 1CB15008.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 02/14/2013 11:19

Sample wt/vol: 15.10(g) | Date Analyzed: 02/15/2013 13:20

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134530 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	99	U	99	20
208-96-8	Acenaphthylene	40	U	40	5.0
120-12-7	Anthracene	8.3	U	8.3	4.2
56-55-3	Benzo[a]anthracene	7.9	U	7.9	3.9
50-32-8	Benzo[a]pyrene	10	U	10	5.2
205-99-2	Benzo[b]fluoranthene	12	U	12	6.1
191-24-2	Benzo[g,h,i]perylene	20	U	20	4.4
207-08-9	Benzo[k]fluoranthene	7.9	U	7.9	3.6
218-01-9	Chrysene	8.9	U	8.9	4.5
53-70-3	Dibenz(a,h)anthracene	20	U	20	4.1
206-44-0	Fluoranthene	20	U	20	4.0
86-73-7	Fluorene	20	U	20	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	20	U	20	7.1
90-12-0	1-Methylnaphthalene	40	U	40	4.4
91-57-6	2-Methylnaphthalene	40	U	40	7.1
91-20-3	Naphthalene	40	U	40	4.4
85-01-8	Phenanthrene	7.9	U	7.9	3.9
129-00-0	Pyrene	20	U	20	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	74		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\1CB15008.D
Lab Smp Id: mb 660-134472/1-a
Inj Date : 15-FEB-2013 13:20
Operator : SCC Inst ID: BSMC5973.i
Smp Info : mb 660-134472/1-a
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 12:20 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.100	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

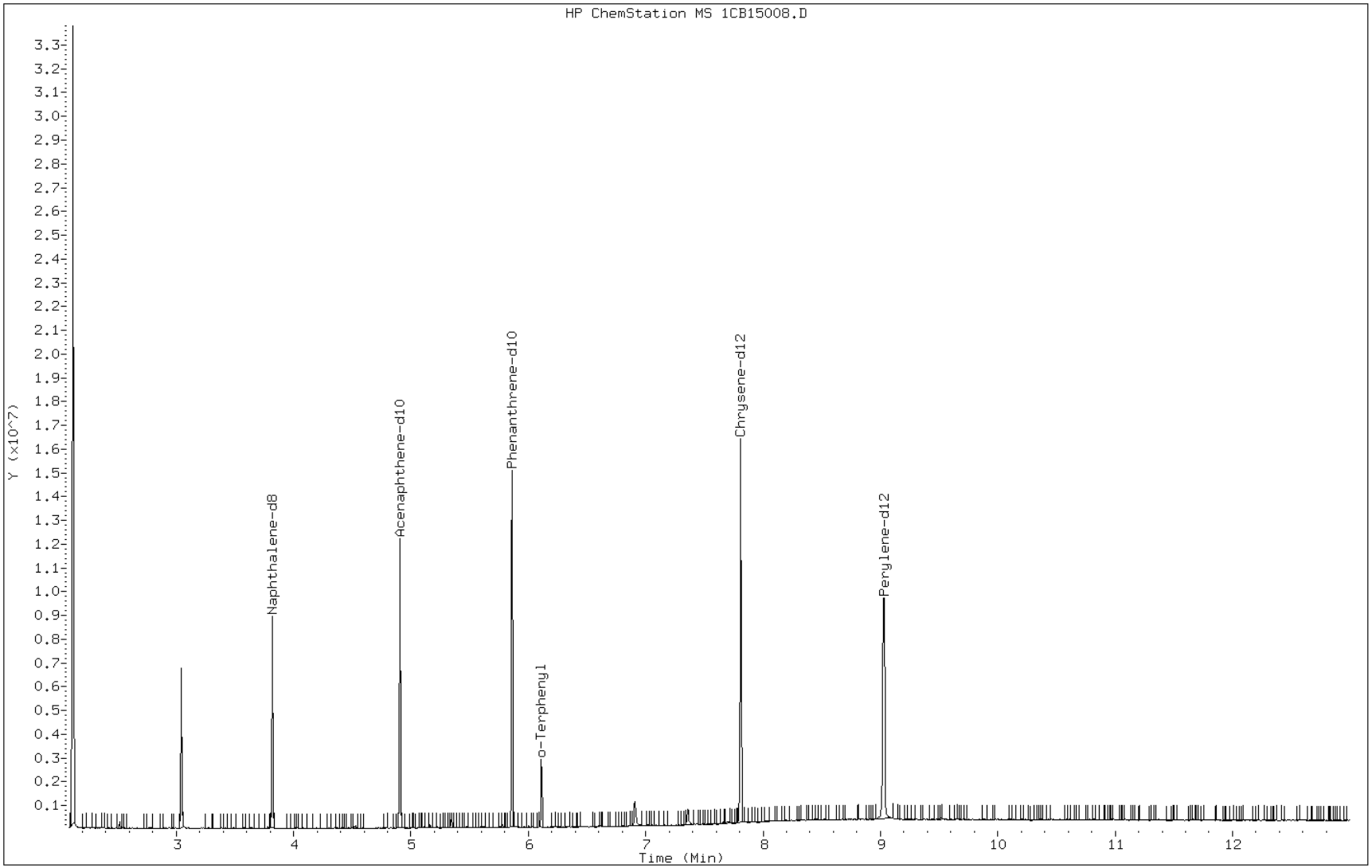
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	3.821	3.821	(1.000)	2663358	40.0000	
* 6 Acenaphthene-d10	164	4.910	4.910	(1.000)	2068260	40.0000	
* 10 Phenanthrene-d10	188	5.862	5.863	(1.000)	3931766	40.0000	
$ 14 o-Terphenyl	230	6.109	6.115	(1.042)	423645	7.35375	487.0035
* 18 Chrysene-d12	240	7.809	7.815	(1.000)	4251050	40.0000	
* 23 Perylene-d12	264	9.033	9.039	(1.000)	4056698	40.0000	

Data File: 1CB15008.D

Date: 15-FEB-2013 13:20

Client ID: Instrument: BSMC5973.i

Sample Info: mb 660-134472/1-a Operator: SCC



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: | Lab Sample ID: LCS 660-134455/2-A

Matrix: Solid | Lab File ID: 1AB15009.D

Analysis Method: 8270C LL | Date Collected:

Extract. Method: 3546 | Date Extracted: 02/14/2013 08:35

Sample wt/vol: 15.14(g) | Date Analyzed: 02/15/2013 16:07

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134532 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	415		99	20
208-96-8	Acenaphthylene	416		40	5.0
120-12-7	Anthracene	452		8.3	4.2
56-55-3	Benzo[a]anthracene	532		7.9	3.9
50-32-8	Benzo[a]pyrene	467		10	5.2
205-99-2	Benzo[b]fluoranthene	483		12	6.0
191-24-2	Benzo[g,h,i]perylene	507		20	4.4
207-08-9	Benzo[k]fluoranthene	502		7.9	3.6
218-01-9	Chrysene	487		8.9	4.5
53-70-3	Dibenz(a,h)anthracene	491		20	4.1
206-44-0	Fluoranthene	485		20	4.0
86-73-7	Fluorene	426		20	4.1
193-39-5	Indeno[1,2,3-cd]pyrene	552		20	7.0
90-12-0	1-Methylnaphthalene	458		40	4.4
91-57-6	2-Methylnaphthalene	492		40	7.0
91-20-3	Naphthalene	446		40	4.4
85-01-8	Phenanthrene	452		7.9	3.9
129-00-0	Pyrene	440		20	3.7

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	75		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15009.D
Lab Smp Id: lcs 660-134455/2-a
Inj Date : 15-FEB-2013 16:07
Operator : SCC Inst ID: BSMA5973.i
Smp Info : lcs 660-134455/2-a
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 15:32 cantins Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 6 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.140	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	2.416	2.415	(1.000)	987109	40.0000	
* 6 Acenaphthene-d10	164	3.441	3.441	(1.000)	666683	40.0000	
* 10 Phenanthrene-d10	188	4.381	4.386	(1.000)	1000324	40.0000	
$ 14 o-Terphenyl	230	4.665	4.664	(1.065)	109496	7.53314	497.5653
* 18 Chrysene-d12	240	6.401	6.411	(1.000)	831616	40.0000	
* 23 Perylene-d12	264	7.496	7.501	(1.000)	824033	40.0000	
2 Naphthalene	128	2.426	2.426	(1.004)	161909	6.75763	446.3426
3 2-Methylnaphthalene	141	2.827	2.832	(1.170)	95642	7.45133	492.1616
4 1-Methylnaphthalene	142	2.886	2.885	(1.195)	100646	6.92687	457.5211
5 Acenaphthylene	152	3.356	3.355	(0.975)	185240	6.29266	415.6313
7 Acenaphthene	154	3.457	3.462	(1.005)	100101	6.28268	414.9722
9 Fluorene	166	3.767	3.772	(1.095)	129206	6.44928	425.9759
11 Phenanthrene	178	4.397	4.402	(1.004)	186819	6.83990	451.7768
12 Anthracene	178	4.430	4.434	(1.011)	190707	6.84830	452.3316

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	4.584	4.589	(1.046)	158862	6.65518	439.5757
15 Fluoranthene	202	5.258	5.262	(1.200)	198676	7.33683	484.5989
16 Pyrene	202	5.429	5.433	(0.848)	200069	6.66146	439.9909
17 Benzo(a)anthracene	228	6.390	6.395	(0.998)	199876	8.04948	531.6697
19 Chrysene	228	6.417	6.427	(1.002)	178335	7.36823	486.6728
20 Benzo(b)fluoranthene	252	7.218	7.217	(0.963)	168015	7.30533	482.5186
21 Benzo(k)fluoranthene	252	7.234	7.239	(0.965)	182695	7.59768	501.8279
22 Benzo(a)pyrene	252	7.448	7.452	(0.994)	154376	7.06845	466.8727
24 Indeno(1,2,3-cd)pyrene	276	8.228	8.238	(1.098)	144234	8.36352	552.4122(M)
25 Dibenzo(a,h)anthracene	278	8.244	8.254	(1.100)	128059	7.42776	490.6048
26 Benzo(g,h,i)perylene	276	8.436	8.446	(1.125)	137143	7.67603	507.0030

QC Flag Legend

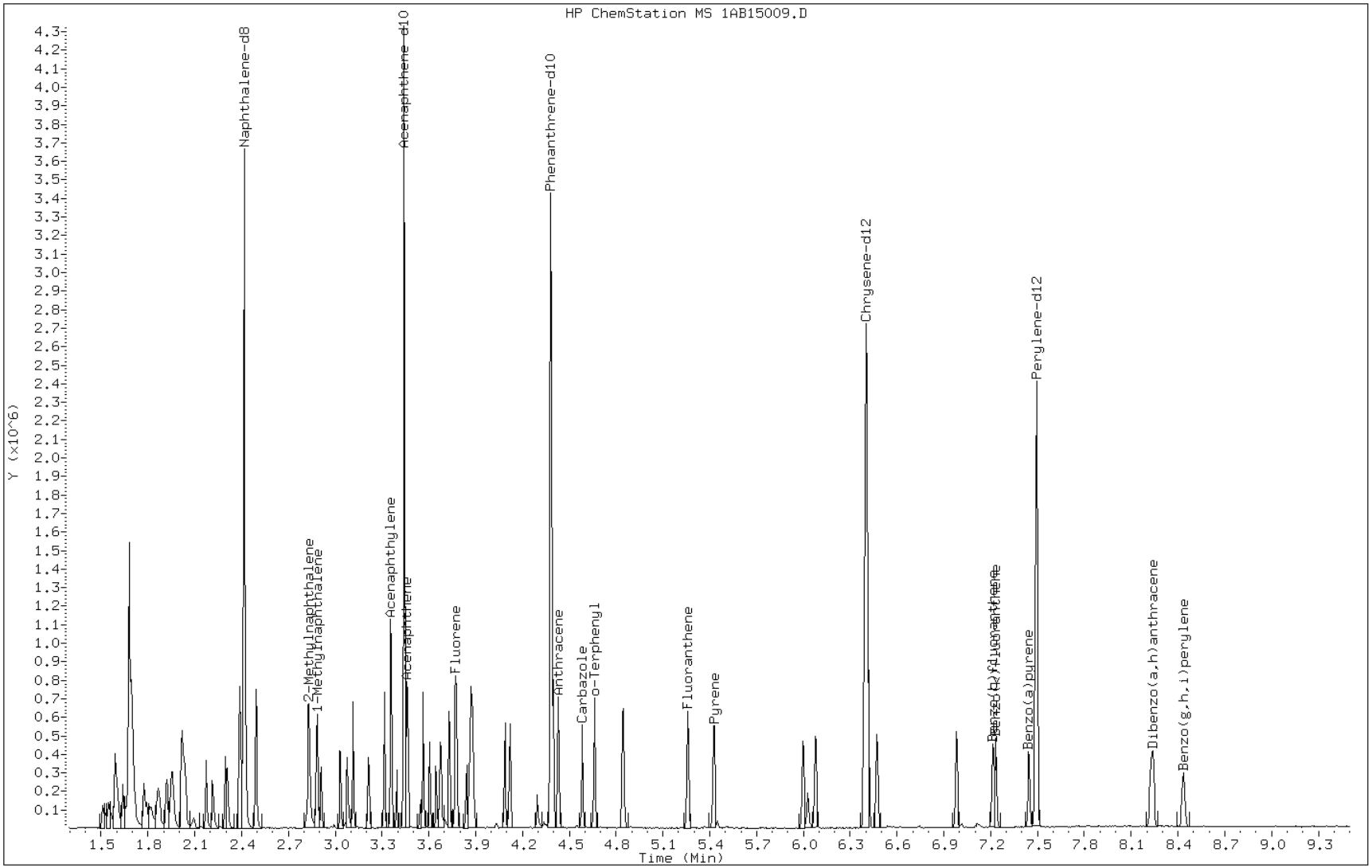
M - Compound response manually integrated.

Data File: 1AB15009.D

Date: 15-FEB-2013 16:07

Client ID: Instrument: BSMA5973.i

Sample Info: lcs 660-134455/2-a Operator: SCC



Manual Integration Report

Data File: 1AB15009.D
Inj. Date and Time: 15-FEB-2013 16:07
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/18/2013

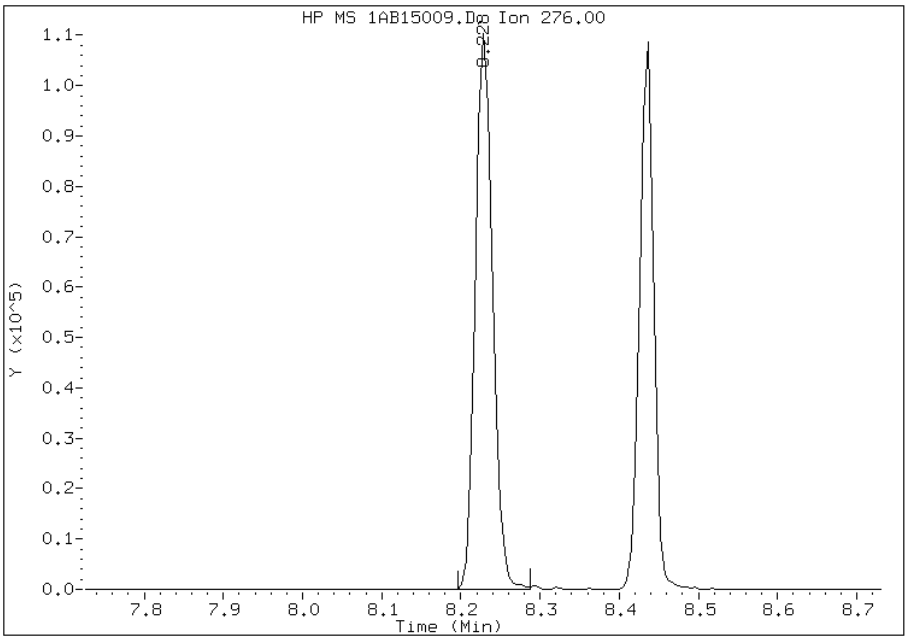
Processing Integration Results

RT: 8.23

Response: 165140

Amount: 10

Conc: 632



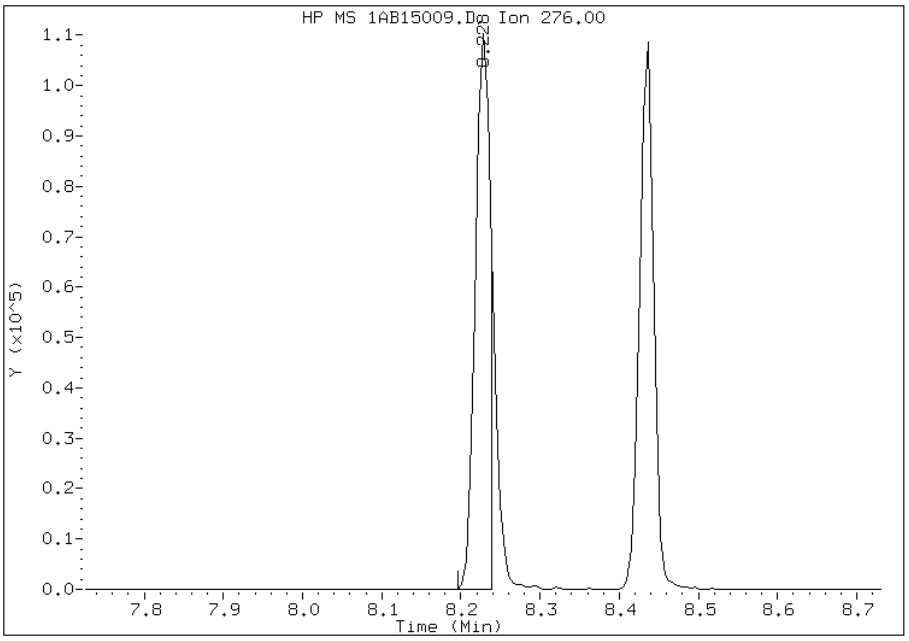
Manual Integration Results

RT: 8.23

Response: 144234

Amount: 8

Conc: 552



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:09
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa
Job No.: 680-87279-2
SDG No.: 68087279-2
Client Sample ID:
Lab Sample ID: LCS 660-134472/2-A
Matrix: Solid
Lab File ID: 1CB15009.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 02/14/2013 11:19
Sample wt/vol: 15.26(g)
Date Analyzed: 02/15/2013 13:38
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture:
GPC Cleanup:(Y/N) N
Analysis Batch No.: 134530
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	485		98	20
208-96-8	Acenaphthylene	498		39	4.9
120-12-7	Anthracene	509		8.3	4.1
56-55-3	Benzo[a]anthracene	507		7.9	3.8
50-32-8	Benzo[a]pyrene	502		10	5.1
205-99-2	Benzo[b]fluoranthene	521		12	6.0
191-24-2	Benzo[g,h,i]perylene	463		20	4.3
207-08-9	Benzo[k]fluoranthene	508		7.9	3.5
218-01-9	Chrysene	462		8.8	4.4
53-70-3	Dibenz(a,h)anthracene	453		20	4.0
206-44-0	Fluoranthene	524		20	3.9
86-73-7	Fluorene	489		20	4.0
193-39-5	Indeno[1,2,3-cd]pyrene	420		20	7.0
90-12-0	1-Methylnaphthalene	525		39	4.3
91-57-6	2-Methylnaphthalene	478		39	7.0
91-20-3	Naphthalene	481		39	4.3
85-01-8	Phenanthrene	460		7.9	3.8
129-00-0	Pyrene	538		20	3.6

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	75		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\1CB15009.D
Lab Smp Id: lcs 660-134472/2-a
Inj Date : 15-FEB-2013 13:38
Operator : SCC Inst ID: BSMC5973.i
Smp Info : lcs 660-134472/2-a
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 12:20 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 9 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.260	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	3.816	3.821	(1.000)	2307582	40.0000	
* 6 Acenaphthene-d10	164	4.910	4.910	(1.000)	1791084	40.0000	
* 10 Phenanthrene-d10	188	5.863	5.863	(1.000)	3388620	40.0000	
$ 14 o-Terphenyl	230	6.110	6.115	(1.042)	373587	7.52426	493.0705
* 18 Chrysene-d12	240	7.810	7.815	(1.000)	3830695	40.0000	
* 23 Perylene-d12	264	9.027	9.039	(1.000)	3622690	40.0000	
2 Naphthalene	128	3.833	3.833	(1.005)	448532	7.33520	480.6813
3 2-Methylnaphthalene	142	4.257	4.257	(1.116)	290265	7.30046	478.4047
4 1-Methylnaphthalene	142	4.322	4.321	(1.133)	289600	8.00862	524.8113
5 Acenaphthylene	152	4.822	4.821	(0.982)	542000	7.60628	498.4459
7 Acenaphthene	154	4.927	4.927	(1.004)	330933	7.40486	485.2463
9 Fluorene	166	5.245	5.245	(1.068)	428077	7.46192	488.9856
11 Phenanthrene	178	5.874	5.880	(1.002)	710155	7.02095	460.0883
12 Anthracene	178	5.910	5.910	(1.008)	707432	7.76279	508.7016

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	6.016	6.015	(1.026)	652101	8.23792	539.8376
15 Fluoranthene	202	6.716	6.721	(1.145)	791067	8.00386	524.4995
16 Pyrene	202	6.886	6.886	(0.882)	836953	8.20683	537.8003
17 Benzo(a)anthracene	228	7.798	7.804	(0.998)	816615	7.73041	506.5799
19 Chrysene	228	7.827	7.833	(1.002)	768534	7.04320	461.5467
20 Benzo(b)fluoranthene	252	8.662	8.674	(0.960)	706410	7.95359	521.2048
21 Benzo(k)fluoranthene	252	8.686	8.698	(0.962)	759166	7.75875	508.4372
22 Benzo(a)pyrene	252	8.968	8.980	(0.993)	647771	7.66467	502.2717
24 Indeno(1,2,3-cd)pyrene	276	10.245	10.262	(1.135)	520130	6.40761	419.8956(M)
25 Dibenzo(a,h)anthracene	278	10.262	10.280	(1.137)	529179	6.91300	453.0146
26 Benzo(g,h,i)perylene	276	10.615	10.633	(1.176)	582036	7.05871	462.5631

QC Flag Legend

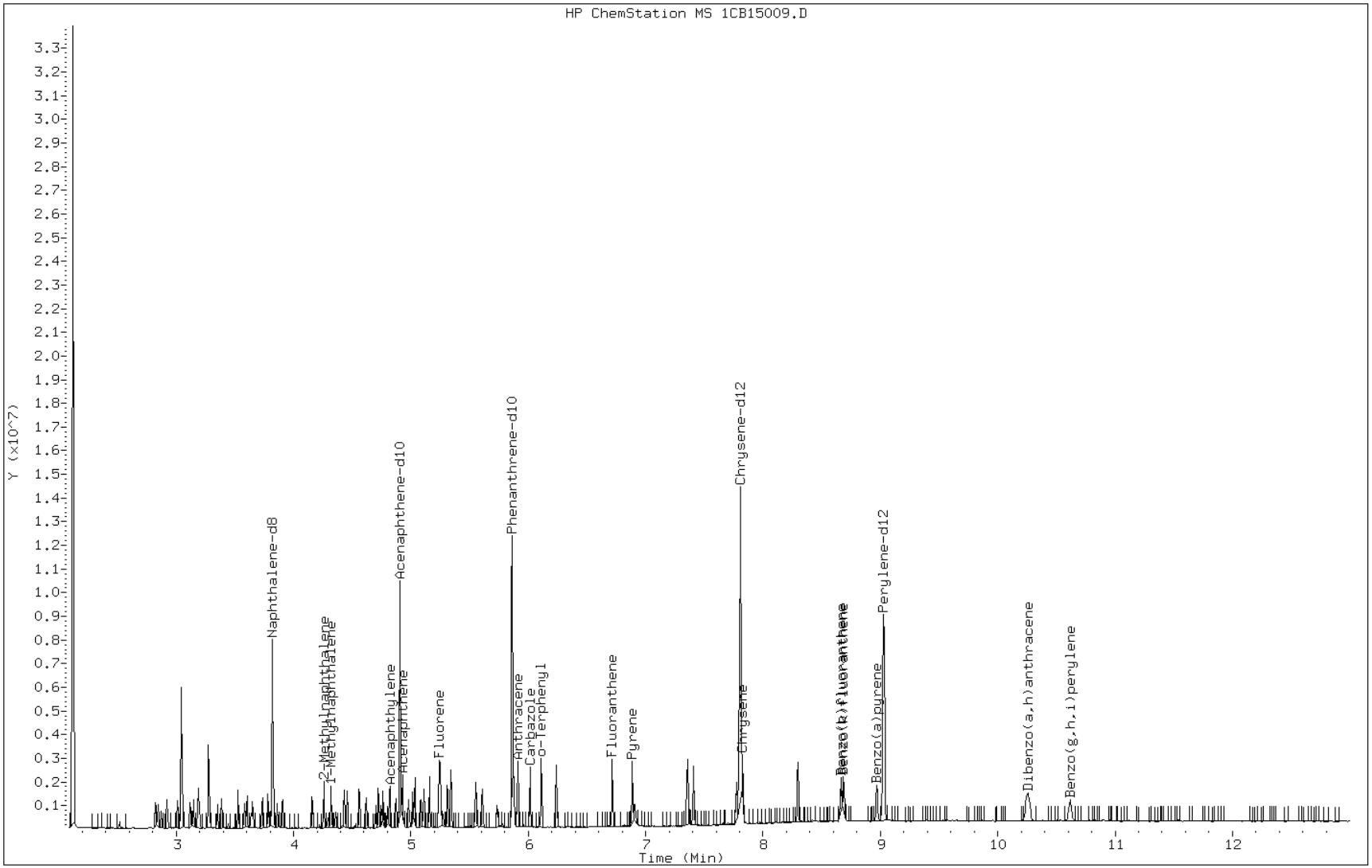
M - Compound response manually integrated.

Data File: 1CB15009.D

Date: 15-FEB-2013 13:38

Client ID: Instrument: BSMC5973.i

Sample Info: lcs 660-134472/2-a Operator: SCC



Manual Integration Report

Data File: 1CB15009.D
Inj. Date and Time: 15-FEB-2013 13:38
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/19/2013

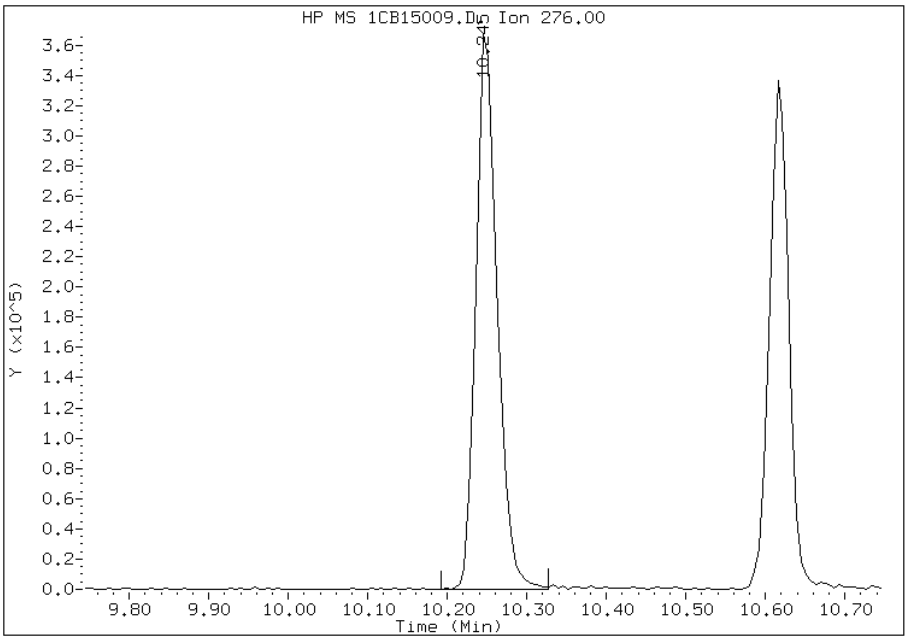
Processing Integration Results

RT: 10.25

Response: 679351

Amount: 8

Conc: 548



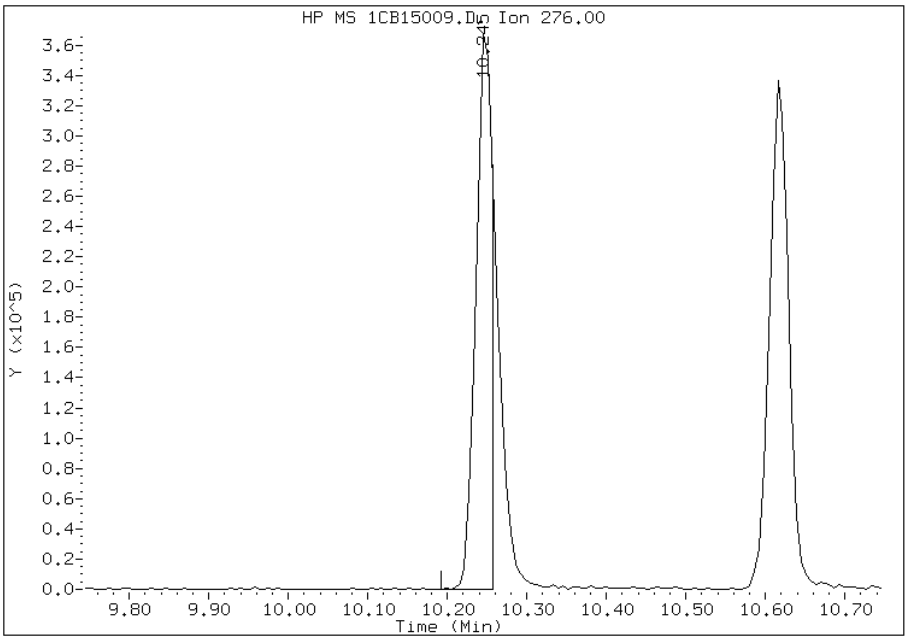
Manual Integration Results

RT: 10.25

Response: 520130

Amount: 6

Conc: 420



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 13:18
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa
Job No.: 680-87279-2
SDG No.: 68087279-2
Client Sample ID:
Lab Sample ID: 680-87279-A-6-B MS
Matrix: Solid
Lab File ID: 1AB15011.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 02/14/2013 08:35
Sample wt/vol: 15.35(g)
Date Analyzed: 02/15/2013 16:37
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 3.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 134532
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	550		100	20
208-96-8	Acenaphthylene	549		41	5.1
120-12-7	Anthracene	572		8.5	4.3
56-55-3	Benzo[a]anthracene	692		8.1	4.0
50-32-8	Benzo[a]pyrene	522		11	5.3
205-99-2	Benzo[b]fluoranthene	572		12	6.2
191-24-2	Benzo[g,h,i]perylene	554		20	4.5
207-08-9	Benzo[k]fluoranthene	618		8.1	3.7
218-01-9	Chrysene	619		9.1	4.6
53-70-3	Dibenz(a,h)anthracene	517		20	4.2
206-44-0	Fluoranthene	680		20	4.1
86-73-7	Fluorene	573		20	4.2
193-39-5	Indeno[1,2,3-cd]pyrene	540		20	7.2
90-12-0	1-Methylnaphthalene	613		41	4.5
91-57-6	2-Methylnaphthalene	650		41	7.2
91-20-3	Naphthalene	590		41	4.5
85-01-8	Phenanthrene	589		8.1	4.0
129-00-0	Pyrene	679		20	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	91		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15011.D
Lab Smp Id: 680-87279-a-6-b ms
Inj Date : 15-FEB-2013 16:37
Operator : SCC Inst ID: BSMA5973.i
Smp Info : 680-87279-a-6-b ms
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 15:32 cantins Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 8 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.350	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	2.416	2.415	(1.000)	961578	40.0000	
* 6 Acenaphthene-d10	164	3.442	3.441	(1.000)	617160	40.0000	
* 10 Phenanthrene-d10	188	4.382	4.386	(1.000)	924347	40.0000	
$ 14 o-Terphenyl	230	4.665	4.664	(1.065)	122747	9.13891	595.3686
* 18 Chrysene-d12	240	6.402	6.411	(1.000)	676033	40.0000	
* 23 Perylene-d12	264	7.497	7.501	(1.000)	538897	40.0000	
2 Naphthalene	128	2.427	2.426	(1.004)	203445	8.71668	567.8616
3 2-Methylnaphthalene	141	2.828	2.832	(1.170)	120175	9.61125	626.1398
4 1-Methylnaphthalene	142	2.886	2.885	(1.195)	128280	9.06317	590.4344
5 Acenaphthylene	152	3.357	3.355	(0.975)	221068	8.11235	528.4921
7 Acenaphthene	154	3.458	3.462	(1.005)	119857	8.12628	529.3991
9 Fluorene	166	3.768	3.772	(1.095)	156950	8.46274	551.3188
11 Phenanthrene	178	4.398	4.402	(1.004)	219668	8.70365	567.0127
12 Anthracene	178	4.430	4.434	(1.011)	217542	8.45405	550.7526

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	4.585	4.589	(1.046)	170794	7.74315	504.4399
15 Fluoranthene	202	5.258	5.262	(1.200)	251352	10.0450	654.3989
16 Pyrene	202	5.429	5.433	(0.848)	244783	10.0260	653.1570
17 Benzo(a)anthracene	228	6.396	6.395	(0.999)	206310	10.2207	665.8463
19 Chrysene	228	6.418	6.427	(1.002)	179876	9.14228	595.5882
20 Benzo(b)fluoranthene	252	7.219	7.217	(0.963)	127066	8.44812	550.3661
21 Benzo(k)fluoranthene	252	7.235	7.239	(0.965)	143586	9.13072	594.8351
22 Benzo(a)pyrene	252	7.449	7.452	(0.994)	110210	7.71622	502.6851
24 Indeno(1,2,3-cd)pyrene	276	8.229	8.238	(1.098)	89920	7.97291	519.4075(M)
25 Dibenzo(a,h)anthracene	278	8.245	8.254	(1.100)	86169	7.64254	497.8850
26 Benzo(g,h,i)perylene	276	8.442	8.446	(1.126)	95735	8.19356	533.7821

QC Flag Legend

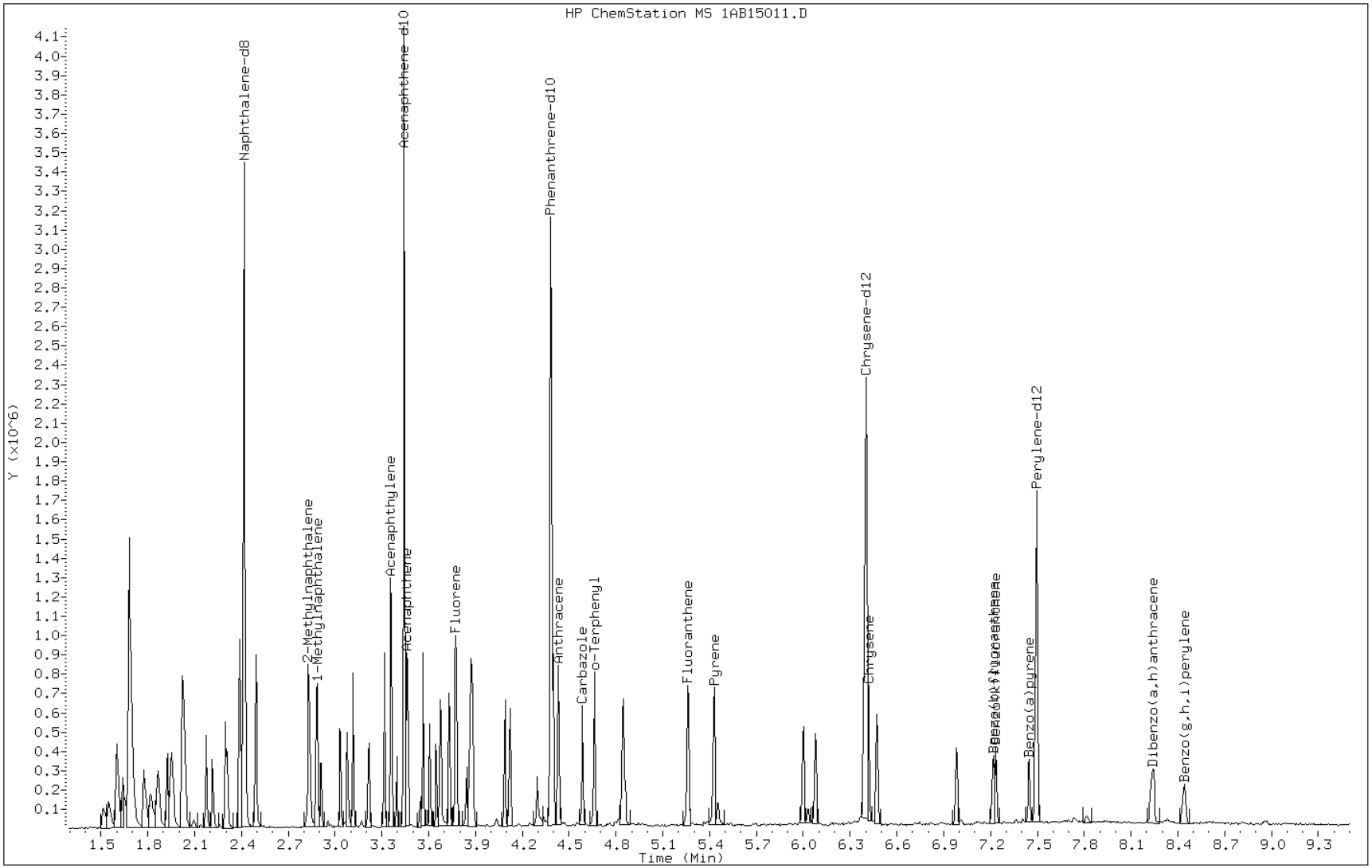
M - Compound response manually integrated.

Data File: 1AB15011.D

Date: 15-FEB-2013 16:37

Client ID: Instrument: BSMA5973.i

Sample Info: 680-87279-a-6-b ms Operator: SCC



Manual Integration Report

Data File: 1AB15011.D
Inj. Date and Time: 15-FEB-2013 16:37
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/18/2013

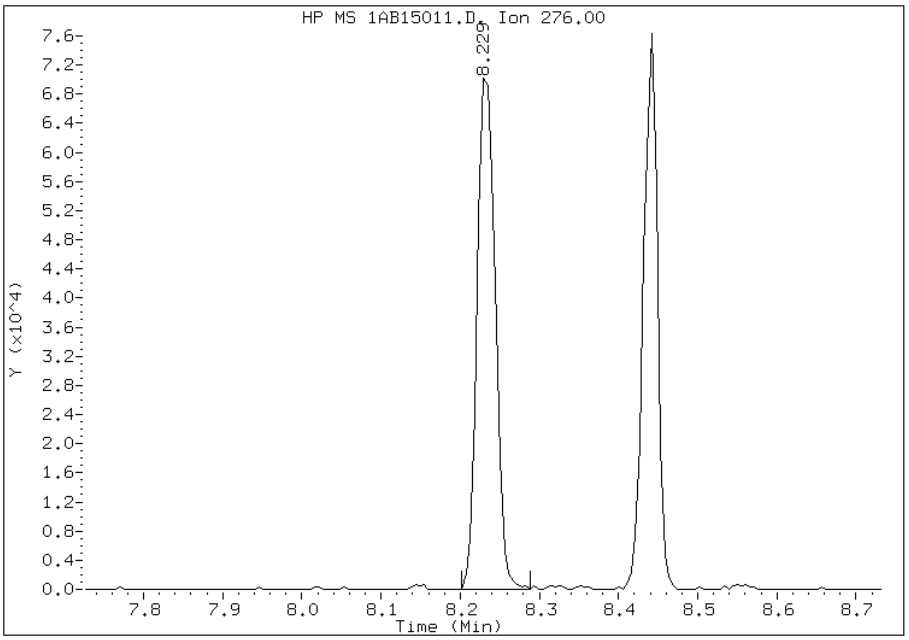
Processing Integration Results

RT: 8.23

Response: 110579

Amount: 10

Conc: 639



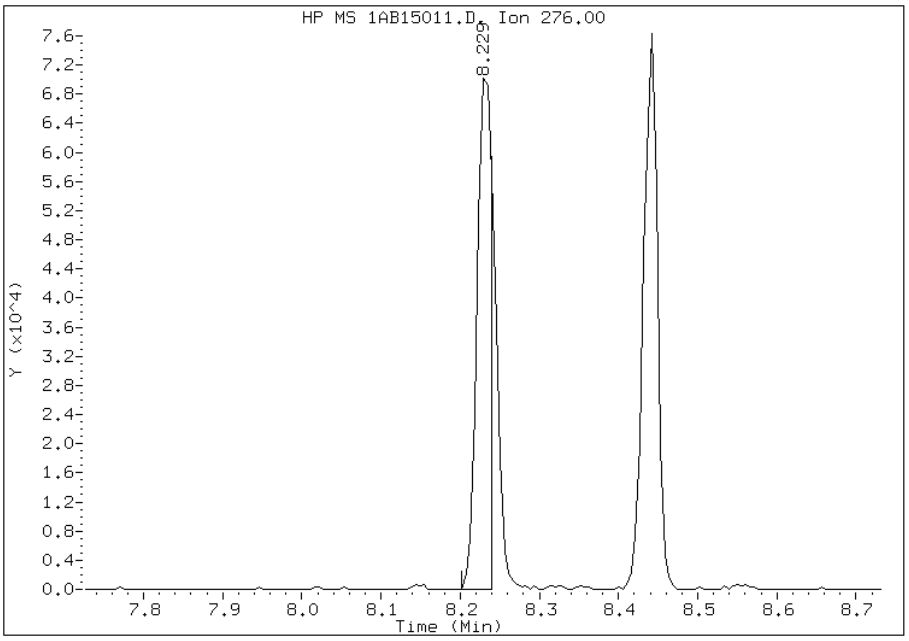
Manual Integration Results

RT: 8.23

Response: 89920

Amount: 8

Conc: 519



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:12
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748VV-CS MS | Lab Sample ID: 680-87279-21 MS

Matrix: Solid | Lab File ID: 1CB15011.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 13:54

Extract. Method: 3546 | Date Extracted: 02/14/2013 11:19

Sample wt/vol: 15.13(g) | Date Analyzed: 02/15/2013 14:14

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134530 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	485		110	21
208-96-8	Acenaphthylene	502		43	5.3
120-12-7	Anthracene	505		9.0	4.5
56-55-3	Benzo[a]anthracene	556		8.5	4.2
50-32-8	Benzo[a]pyrene	533		11	5.5
205-99-2	Benzo[b]fluoranthene	619		13	6.5
191-24-2	Benzo[g,h,i]perylene	489		21	4.7
207-08-9	Benzo[k]fluoranthene	475		8.5	3.8
218-01-9	Chrysene	516		9.6	4.8
53-70-3	Dibenz(a,h)anthracene	462		21	4.4
206-44-0	Fluoranthene	602		21	4.3
86-73-7	Fluorene	480		21	4.4
193-39-5	Indeno[1,2,3-cd]pyrene	470		21	7.6
90-12-0	1-Methylnaphthalene	540		43	4.7
91-57-6	2-Methylnaphthalene	503		43	7.6
91-20-3	Naphthalene	470		43	4.7
85-01-8	Phenanthrene	501		8.5	4.2
129-00-0	Pyrene	622		21	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	71		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\1CB15011.D
Lab Smp Id: 680-87279-a-21-b ms
Inj Date : 15-FEB-2013 14:14
Operator : SCC Inst ID: BSMC5973.i
Smp Info : 680-87279-a-21-b ms
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 12:20 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 11 QC Sample: MS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.130	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	3.816	3.821	(1.000)	2438858	40.0000	
* 6 Acenaphthene-d10	164	4.904	4.910	(1.000)	1896166	40.0000	
* 10 Phenanthrene-d10	188	5.863	5.863	(1.000)	3573845	40.0000	
$ 14 o-Terphenyl	230	6.110	6.115	(1.042)	373817	7.13868	471.8229
* 18 Chrysene-d12	240	7.809	7.815	(1.000)	3794962	40.0000	
* 23 Perylene-d12	264	9.033	9.039	(1.000)	3691062	40.0000	
2 Naphthalene	128	3.833	3.833	(1.005)	427420	6.61369	437.1242
3 2-Methylnaphthalene	142	4.257	4.257	(1.116)	297496	7.07957	467.9162
4 1-Methylnaphthalene	142	4.321	4.321	(1.133)	290390	7.59821	502.1952
5 Acenaphthylene	152	4.821	4.821	(0.983)	533019	7.06571	466.9997
7 Acenaphthene	154	4.927	4.927	(1.005)	322639	6.81920	450.7069
9 Fluorene	166	5.245	5.245	(1.070)	410304	6.75576	446.5140
11 Phenanthrene	178	5.874	5.880	(1.002)	750955	7.03953	465.2697
12 Anthracene	178	5.910	5.910	(1.008)	682410	7.10012	469.2740

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	6.015	6.015	(1.026)	598609	7.17023	473.9083
15 Fluoranthene	202	6.715	6.721	(1.145)	882615	8.46730	559.6363
16 Pyrene	202	6.886	6.886	(0.882)	883504	8.74487	577.9819
17 Benzo(a)anthracene	228	7.804	7.804	(0.999)	818912	7.82515	517.1941
19 Chrysene	228	7.827	7.833	(1.002)	784615	7.25828	479.7279
20 Benzo(b)fluoranthene	252	8.668	8.674	(0.960)	787825	8.70594	575.4092
21 Benzo(k)fluoranthene	252	8.692	8.698	(0.962)	666351	6.68402	441.7729
22 Benzo(a)pyrene	252	8.968	8.980	(0.993)	645341	7.49447	495.3383
24 Indeno(1,2,3-cd)pyrene	276	10.251	10.262	(1.135)	546742	6.61068	436.9254(M)
25 Dibenzo(a,h)anthracene	278	10.268	10.280	(1.137)	506337	6.49208	429.0863
26 Benzo(g,h,i)perylene	276	10.621	10.633	(1.176)	578180	6.88206	454.8619

QC Flag Legend

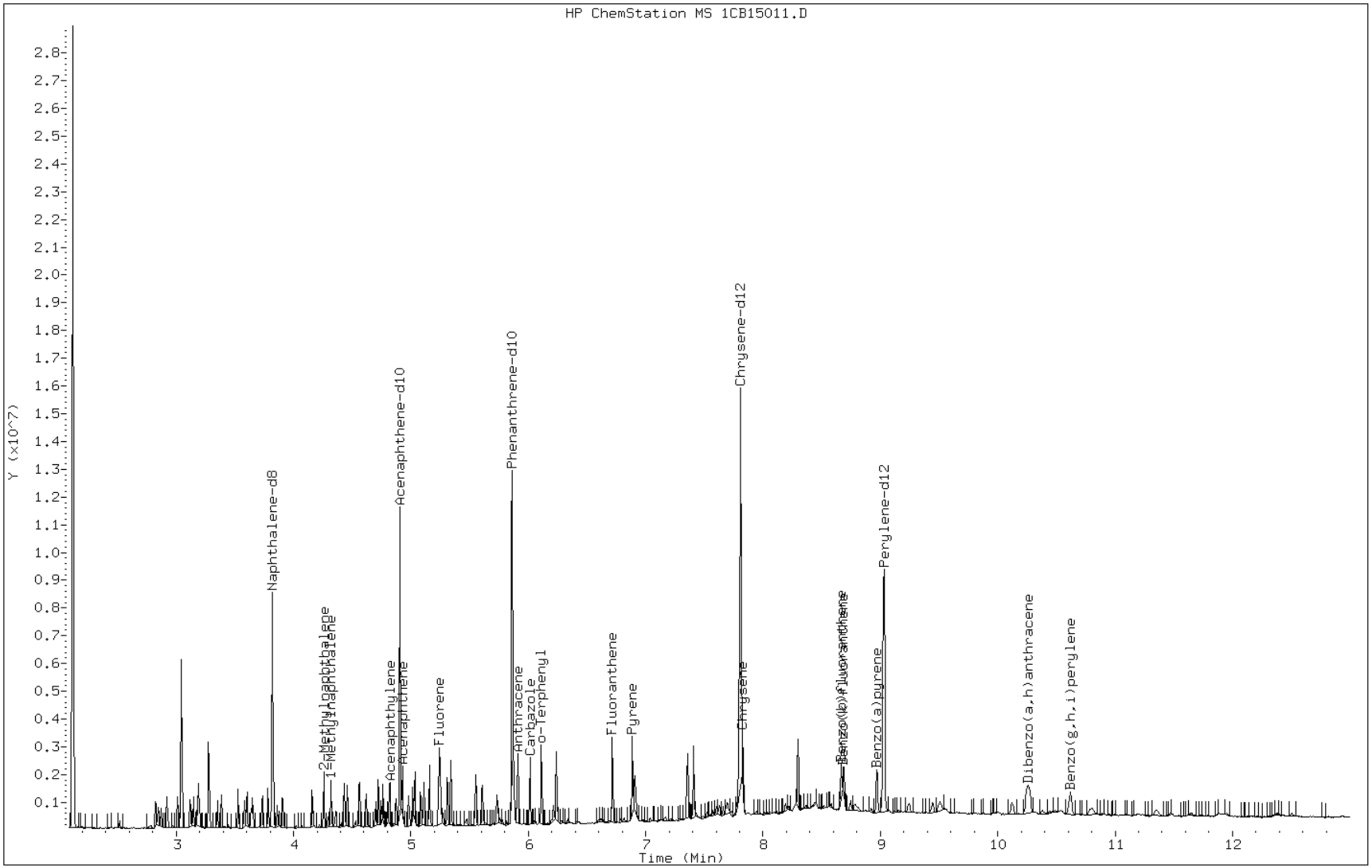
M - Compound response manually integrated.

Data File: 1CB15011.D

Date: 15-FEB-2013 14:14

Client ID: Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-b ms Operator: SCC



Manual Integration Report

Data File: 1CB15011.D
Inj. Date and Time: 15-FEB-2013 14:14
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/19/2013

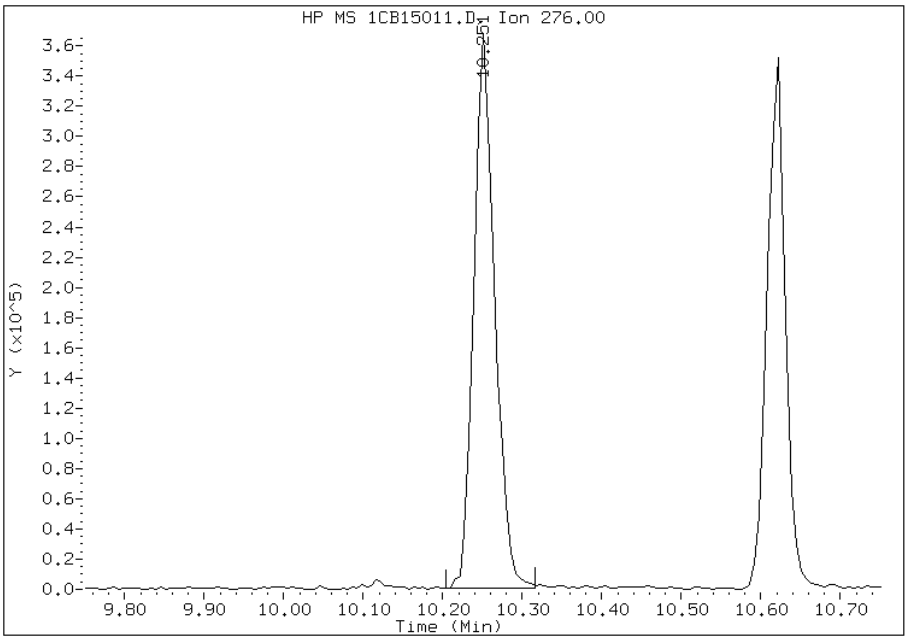
Processing Integration Results

RT: 10.25

Response: 666963

Amount: 8

Conc: 533



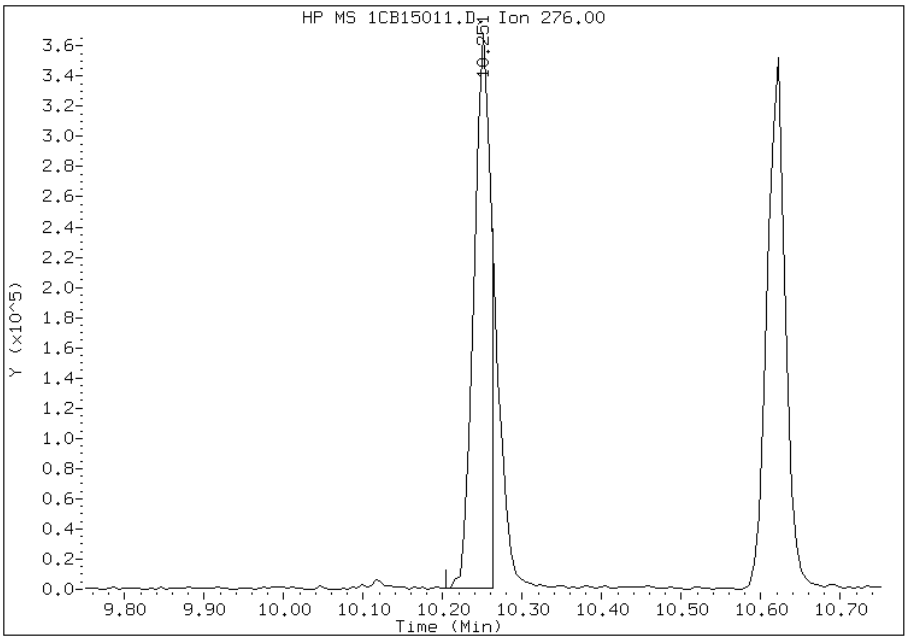
Manual Integration Results

RT: 10.25

Response: 546742

Amount: 7

Conc: 437



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 13:20
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa
Job No.: 680-87279-2
SDG No.: 68087279-2
Client Sample ID:
Lab Sample ID: 680-87279-A-6-C MSD
Matrix: Solid
Lab File ID: 1AB15012.D
Analysis Method: 8270C LL
Date Collected:
Extract. Method: 3546
Date Extracted: 02/14/2013 08:35
Sample wt/vol: 15.35(g)
Date Analyzed: 02/15/2013 16:52
Con. Extract Vol.: 1(mL)
Dilution Factor: 1
Injection Volume: 1(uL)
Level: (low/med) Low
% Moisture: 3.7
GPC Cleanup:(Y/N) N
Analysis Batch No.: 134532
Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	486		100	20
208-96-8	Acenaphthylene	491		41	5.1
120-12-7	Anthracene	519		8.5	4.3
56-55-3	Benzo[a]anthracene	590		8.1	4.0
50-32-8	Benzo[a]pyrene	403		11	5.3
205-99-2	Benzo[b]fluoranthene	466		12	6.2
191-24-2	Benzo[g,h,i]perylene	609		20	4.5
207-08-9	Benzo[k]fluoranthene	408		8.1	3.7
218-01-9	Chrysene	505		9.1	4.6
53-70-3	Dibenz(a,h)anthracene	556		20	4.2
206-44-0	Fluoranthene	544		20	4.1
86-73-7	Fluorene	515		20	4.2
193-39-5	Indeno[1,2,3-cd]pyrene	585		20	7.2
90-12-0	1-Methylnaphthalene	545		41	4.5
91-57-6	2-Methylnaphthalene	577		41	7.2
91-20-3	Naphthalene	514		41	4.5
85-01-8	Phenanthrene	527		8.1	4.0
129-00-0	Pyrene	548		20	3.8

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	84		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\1AB15012.D
Lab Smp Id: 680-87279-a-6-c msd
Inj Date : 15-FEB-2013 16:52
Operator : SCC Inst ID: BSMA5973.i
Smp Info : 680-87279-a-6-c msd
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMA5973.i\1A021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 15:32 cantins Quant Type: ISTD
Cal Date : 30-JAN-2013 13:20 Cal File: 1AA30009.D
Als bottle: 9 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.350	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	2.417	2.415	(1.000)	869735	40.0000	
* 6 Acenaphthene-d10	164	3.443	3.441	(1.000)	542996	40.0000	
* 10 Phenanthrene-d10	188	4.383	4.386	(1.000)	829645	40.0000	
$ 14 o-Terphenyl	230	4.661	4.664	(1.063)	100784	8.36022	544.6398
* 18 Chrysene-d12	240	6.402	6.411	(1.000)	581691	40.0000	
* 23 Perylene-d12	264	7.503	7.501	(1.000)	708330	40.0000	
2 Naphthalene	128	2.428	2.426	(1.004)	160307	7.59371	494.7041
3 2-Methylnaphthalene	141	2.829	2.832	(1.170)	96453	8.52862	555.6105
4 1-Methylnaphthalene	142	2.887	2.885	(1.194)	103020	8.04712	524.2420
5 Acenaphthylene	152	3.357	3.355	(0.975)	174100	7.26141	473.0559
7 Acenaphthene	154	3.459	3.462	(1.005)	93266	7.18708	468.2138
9 Fluorene	166	3.769	3.772	(1.095)	124073	7.60376	495.3588
11 Phenanthrene	178	4.394	4.402	(1.002)	176499	7.79147	507.5876
12 Anthracene	178	4.431	4.434	(1.011)	177214	7.67295	499.8667

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	4.586	4.589	(1.046)	146675	7.40874	482.6537
15 Fluoranthene	202	5.259	5.262	(1.200)	180406	8.03271	523.3038
16 Pyrene	202	5.430	5.433	(0.848)	170191	8.10134	527.7746
17 Benzo(a)anthracene	228	6.397	6.395	(0.999)	151436	8.71900	568.0131
19 Chrysene	228	6.418	6.427	(1.002)	126360	7.46391	486.2482
20 Benzo(b)fluoranthene	252	7.220	7.217	(0.962)	136144	6.88651	448.6327
21 Benzo(k)fluoranthene	252	7.236	7.239	(0.964)	124688	6.03237	392.9880
22 Benzo(a)pyrene	252	7.449	7.452	(0.993)	111664	5.94794	387.4880
24 Indeno(1,2,3-cd)pyrene	276	8.240	8.238	(1.098)	128162	8.64549	563.2242(M)
25 Dibenzo(a,h)anthracene	278	8.256	8.254	(1.100)	121811	8.21946	535.4694
26 Benzo(g,h,i)perylene	276	8.454	8.446	(1.127)	138210	8.99935	586.2770

QC Flag Legend

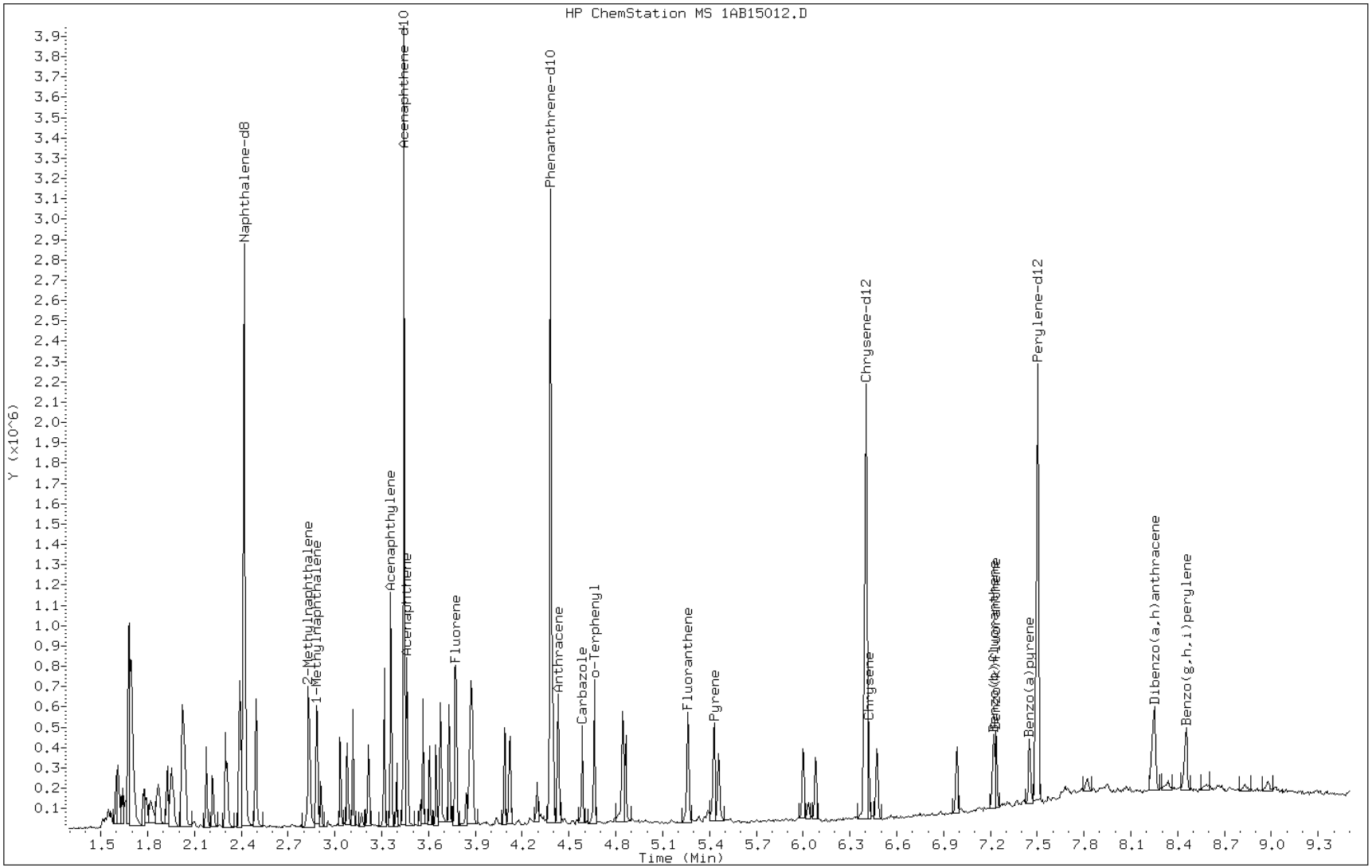
M - Compound response manually integrated.

Data File: 1AB15012.D

Date: 15-FEB-2013 16:52

Client ID: Instrument: BSMA5973.i

Sample Info: 680-87279-a-6-c msd Operator: SCC



Manual Integration Report

Data File: 1AB15012.D
Inj. Date and Time: 15-FEB-2013 16:52
Instrument ID: BSMA5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/18/2013

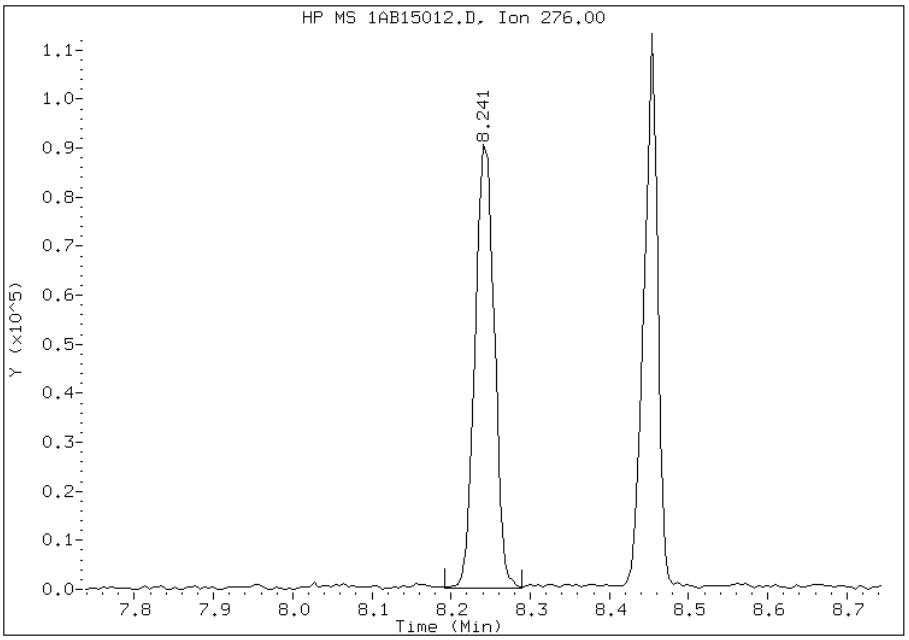
Processing Integration Results

RT: 8.24

Response: 151143

Amount: 10

Conc: 664



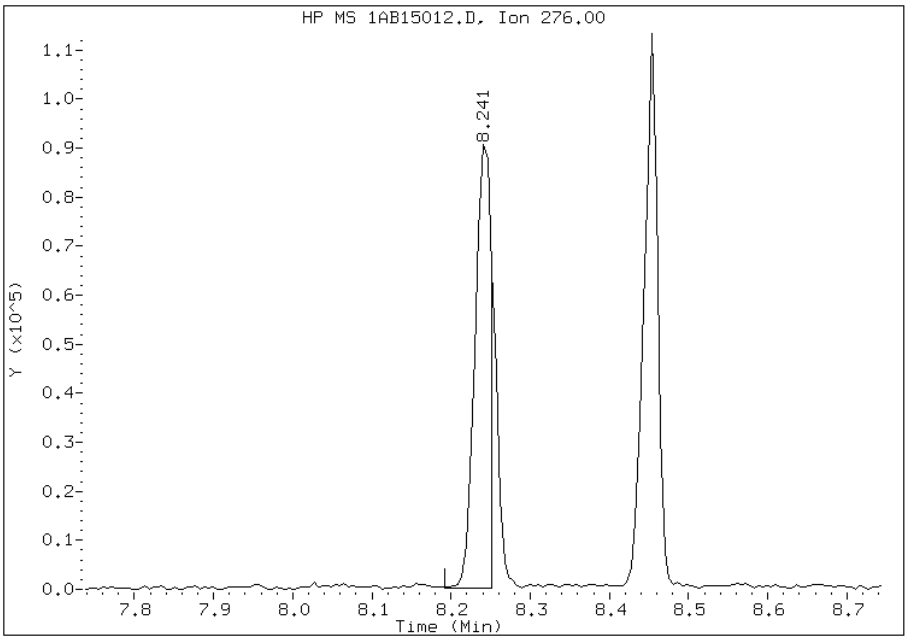
Manual Integration Results

RT: 8.24

Response: 128162

Amount: 9

Conc: 563



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 11:12
Manual Integration Reason: Split Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Tampa | Job No.: 680-87279-2

SDG No.: 68087279-2

Client Sample ID: CV0748VV-CS MSD | Lab Sample ID: 680-87279-21 MSD

Matrix: Solid | Lab File ID: 1CB15012.D

Analysis Method: 8270C LL | Date Collected: 02/06/2013 13:54

Extract. Method: 3546 | Date Extracted: 02/14/2013 11:19

Sample wt/vol: 15.13(g) | Date Analyzed: 02/15/2013 14:33

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: 7.0 | GPC Cleanup:(Y/N) N

Analysis Batch No.: 134530 | Units: ug/Kg

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
83-32-9	Acenaphthene	482		110	21
208-96-8	Acenaphthylene	524		43	5.3
120-12-7	Anthracene	516		9.0	4.5
56-55-3	Benzo[a]anthracene	536		8.5	4.2
50-32-8	Benzo[a]pyrene	517		11	5.5
205-99-2	Benzo[b]fluoranthene	556		13	6.5
191-24-2	Benzo[g,h,i]perylene	478		21	4.7
207-08-9	Benzo[k]fluoranthene	557		8.5	3.8
218-01-9	Chrysene	492		9.6	4.8
53-70-3	Dibenz(a,h)anthracene	460		21	4.4
206-44-0	Fluoranthene	587		21	4.3
86-73-7	Fluorene	492		21	4.4
193-39-5	Indeno[1,2,3-cd]pyrene	464		21	7.6
90-12-0	1-Methylnaphthalene	546		43	4.7
91-57-6	2-Methylnaphthalene	529		43	7.6
91-20-3	Naphthalene	493		43	4.7
85-01-8	Phenanthrene	486		8.5	4.2
129-00-0	Pyrene	595		21	3.9

CAS NO.	SURROGATE	%REC	Q	LIMITS
84-15-1	o-Terphenyl	72		30-130

TestAmerica Laboratories

Semivolatile 8270C low level PAH

Data file : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\1CB15012.D
Lab Smp Id: 680-87279-a-21-c ms
Inj Date : 15-FEB-2013 14:33
Operator : SCC Inst ID: BSMC5973.i
Smp Info : 680-87279-a-21-c msd
Misc Info :
Comment :
Method : \\tam-chemsvr\chem\SM\BSMC5973.i\1C021513.b\a-bFASTPAHi-m.m
Meth Date : 15-Feb-2013 12:20 cantins Quant Type: ISTD
Cal Date : 07-JAN-2013 17:13 Cal File: 1CA07019.D
Als bottle: 12 QC Sample: MSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: pah.sub
Target Version: 4.14
Processing Host: TAM1000

Concentration Formula:
Amt * DF * 1/Vi * Vt/Ws * 100/(100 - M) * A * B * C * D * GPC * CpndVariable

Name	Value	Description
DF	1.000	Dilution Factor
Vi	1.000	Injection Volume
Vt	1.000	Final Volume
Ws	15.130	Weight Extracted
M	0.00000	% Moisture
A	1000.000	uL to mL conversion
B	1000.000	g to kg conversion
C	0.00100	ng to ug conversion
D	1.000	ug to mg conversion(value = 1 if no conv
GPC	1.000	GPC FACTOR
Cpnd Variable		Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
* 1 Naphthalene-d8	136	3.821	3.821	(1.000)	2500394	40.0000	
* 6 Acenaphthene-d10	164	4.910	4.910	(1.000)	1945760	40.0000	
* 10 Phenanthrene-d10	188	5.862	5.863	(1.000)	3614241	40.0000	
$ 14 o-Terphenyl	230	6.109	6.115	(1.042)	382583	7.22442	477.4900
* 18 Chrysene-d12	240	7.809	7.815	(1.000)	3979657	40.0000	
* 23 Perylene-d12	264	9.033	9.039	(1.000)	3723416	40.0000	
2 Naphthalene	128	3.833	3.833	(1.003)	459312	6.93226	458.1797
3 2-Methylnaphthalene	142	4.257	4.257	(1.114)	320692	7.44376	491.9865
4 1-Methylnaphthalene	142	4.321	4.321	(1.131)	301007	7.68218	507.7449
5 Acenaphthylene	152	4.821	4.821	(0.982)	570914	7.37515	487.4518
7 Acenaphthene	154	4.927	4.927	(1.004)	328790	6.77208	447.5927
9 Fluorene	166	5.245	5.245	(1.068)	431247	6.91961	457.3435
11 Phenanthrene	178	5.874	5.880	(1.002)	737863	6.83950	452.0486
12 Anthracene	178	5.909	5.910	(1.008)	704874	7.25187	479.3042

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ug/ml)	FINAL (ug/Kg)
13 Carbazole	167	6.015	6.015	(1.026)	625284	7.40604	489.4936
15 Fluoranthene	202	6.715	6.721	(1.145)	870047	8.25344	545.5014
16 Pyrene	202	6.886	6.886	(0.882)	886107	8.36359	552.7818
17 Benzo(a)anthracene	228	7.798	7.804	(0.998)	827584	7.54100	498.4139
19 Chrysene	228	7.827	7.833	(1.002)	784835	6.92337	457.5921
20 Benzo(b)fluoranthene	252	8.662	8.674	(0.959)	713924	7.82074	516.9027
21 Benzo(k)fluoranthene	252	8.686	8.698	(0.962)	787918	7.83476	517.8295
22 Benzo(a)pyrene	252	8.968	8.980	(0.993)	631825	7.27375	480.7499
24 Indeno(1,2,3-cd)pyrene	276	10.250	10.262	(1.135)	543948	6.51975	430.9154(M)
25 Dibenzo(a,h)anthracene	278	10.268	10.280	(1.137)	508947	6.46884	427.5504
26 Benzo(g,h,i)perylene	276	10.621	10.633	(1.176)	569755	6.72285	444.3390

QC Flag Legend

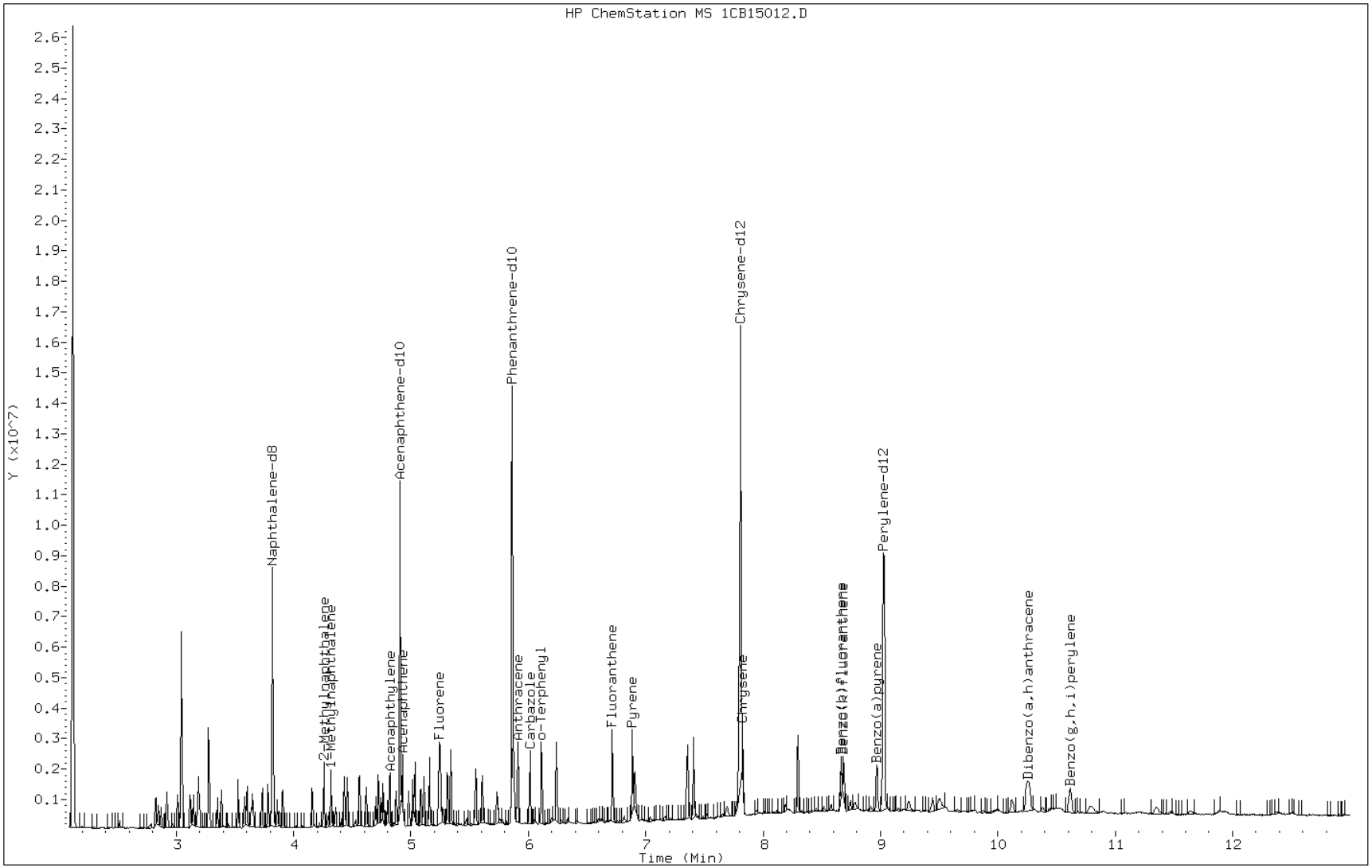
M - Compound response manually integrated.

Data File: 1CB15012.D

Date: 15-FEB-2013 14:33

Client ID: Instrument: BSMC5973.i

Sample Info: 680-87279-a-21-c msd Operator: SCC



Manual Integration Report

Data File: 1CB15012.D
Inj. Date and Time: 15-FEB-2013 14:33
Instrument ID: BSMC5973.i
Client ID:
Compound: 24 Indeno(1,2,3-cd)pyrene
CAS #: 193-39-5
Report Date: 02/19/2013

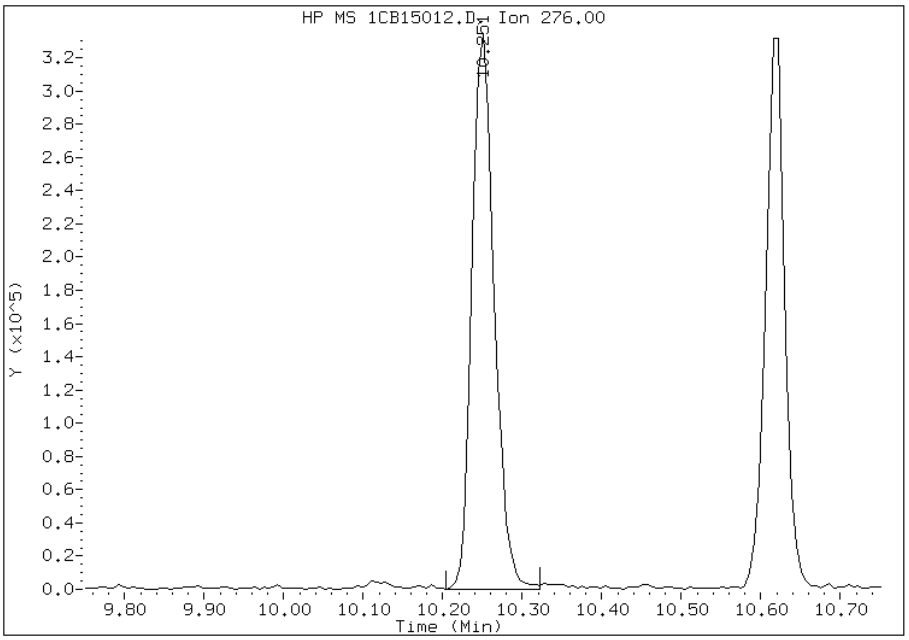
Processing Integration Results

RT: 10.25

Response: 648163

Amount: 8

Conc: 513



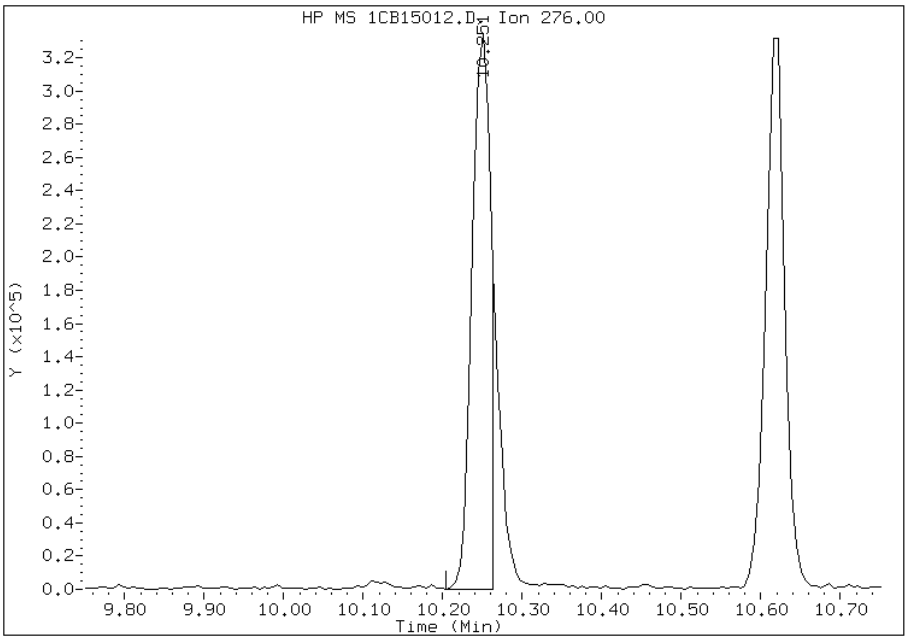
Manual Integration Results

RT: 10.25

Response: 543948

Amount: 7

Conc: 431



Manually Integrated By: cantins
Modification Date: 18-Feb-2013 13:21
Manual Integration Reason: Split Peak

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMA5973 Start Date: 01/30/2013 10:50

Analysis Batch Number: 133924 End Date: 01/30/2013 22:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/30/2013 10:50	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 11:05	1		DB-5MS 250(um)
DFTPP 660-133924/2		01/30/2013 11:20	1	1AA30002.D	DB-5MS 250(um)
ICIS 660-133924/3		01/30/2013 11:38	1	1AA30003.D	DB-5MS 250(um)
IC 660-133924/4		01/30/2013 12:04	1	1AA30004.D	DB-5MS 250(um)
IC 660-133924/5		01/30/2013 12:19	1	1AA30005.D	DB-5MS 250(um)
IC 660-133924/6		01/30/2013 12:34	1	1AA30006.D	DB-5MS 250(um)
IC 660-133924/7		01/30/2013 12:49	1	1AA30007.D	DB-5MS 250(um)
IC 660-133924/8		01/30/2013 13:04	1	1AA30008.D	DB-5MS 250(um)
IC 660-133924/9		01/30/2013 13:20	1	1AA30009.D	DB-5MS 250(um)
ICV 660-133924/10		01/30/2013 13:35	1	1AA30010.D	DB-5MS 250(um)
ZZZZZ		01/30/2013 13:52	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 14:08	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 14:23	20		DB-5MS 250(um)
ZZZZZ		01/30/2013 14:39	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 14:54	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 15:09	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 15:24	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 15:39	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 15:54	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 16:09	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 16:25	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 16:40	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 16:55	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 17:10	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 17:25	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 17:40	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 17:55	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 18:11	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 18:26	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 18:41	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 18:56	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 19:11	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 19:26	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 19:42	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 19:57	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 20:12	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 20:27	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 20:42	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 20:57	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 21:12	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 21:28	1		DB-5MS 250(um)
ZZZZZ		01/30/2013 21:43	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 21:58	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 22:13	4		DB-5MS 250(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMA5973 Start Date: 01/30/2013 10:50

Analysis Batch Number: 133924 End Date: 01/30/2013 22:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/30/2013 22:28	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 22:43	4		DB-5MS 250(um)
ZZZZZ		01/30/2013 22:58	4		DB-5MS 250(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMA5973 Start Date: 02/15/2013 11:37

Analysis Batch Number: 134532 End Date: 02/16/2013 02:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/15/2013 11:37	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 11:52	1		DB-5MS 250(um)
DFTPP 660-134532/2		02/15/2013 12:07	1		DB-5MS 250(um)
CCV 660-134532/3		02/15/2013 12:36	1		DB-5MS 250(um)
CCV 660-134532/5		02/15/2013 12:36	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 14:37	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 14:53	1		DB-5MS 250(um)
DFTPP 660-134532/7		02/15/2013 15:08	1	1AB15005.D	DB-5MS 250(um)
CCVIS 660-134532/8		02/15/2013 15:21	1	1AB15006.D	DB-5MS 250(um)
ZZZZZ		02/15/2013 15:37	1		DB-5MS 250(um)
MB 660-134455/1-A		02/15/2013 15:52	1	1AB15008.D	DB-5MS 250(um)
LCS 660-134455/2-A		02/15/2013 16:07	1	1AB15009.D	DB-5MS 250(um)
ZZZZZ		02/15/2013 16:22	1		DB-5MS 250(um)
680-87279-A-6-B MS		02/15/2013 16:37	1	1AB15011.D	DB-5MS 250(um)
680-87279-A-6-C MSD		02/15/2013 16:52	1	1AB15012.D	DB-5MS 250(um)
ZZZZZ		02/15/2013 17:07	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 17:22	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 17:37	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 17:52	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 18:07	4		DB-5MS 250(um)
680-87279-24	CV0748CCC-CS	02/15/2013 18:23	4	1AB15018.D	DB-5MS 250(um)
ZZZZZ		02/15/2013 18:38	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 18:53	4		DB-5MS 250(um)
680-87279-27	CV0748KKK-CS	02/15/2013 19:08	1	1AB15021.D	DB-5MS 250(um)
680-87279-28	CV0748III-CS	02/15/2013 19:23	1	1AB15022.D	DB-5MS 250(um)
ZZZZZ		02/15/2013 19:38	4		DB-5MS 250(um)
680-87279-31	CV0748AF-GS	02/15/2013 19:53	1	1AB15024.D	DB-5MS 250(um)
ZZZZZ		02/15/2013 20:09	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 20:24	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 20:39	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 20:54	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 21:09	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 21:24	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 21:40	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 21:55	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 22:10	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 22:25	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 22:40	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 22:55	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 23:10	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 23:25	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 23:40	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 23:56	4		DB-5MS 250(um)
ZZZZZ		02/16/2013 00:11	4		DB-5MS 250(um)
ZZZZZ		02/16/2013 00:26	4		DB-5MS 250(um)

8270C LL

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMA5973 Start Date: 02/15/2013 11:37

Analysis Batch Number: 134532 End Date: 02/16/2013 02:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/16/2013 00:41	4		DB-5MS 250(um)
ZZZZZ		02/16/2013 00:56	4		DB-5MS 250(um)
ZZZZZ		02/16/2013 01:11	4		DB-5MS 250(um)
ZZZZZ		02/16/2013 01:26	4		DB-5MS 250(um)
ZZZZZ		02/16/2013 01:41	4		DB-5MS 250(um)
ZZZZZ		02/16/2013 01:57	4		DB-5MS 250(um)
ZZZZZ		02/16/2013 02:12	4		DB-5MS 250(um)
ZZZZZ		02/16/2013 02:27	4		DB-5MS 250(um)
ZZZZZ		02/16/2013 02:42	4		DB-5MS 250(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMC5973 Start Date: 01/07/2013 10:42

Analysis Batch Number: 133227 End Date: 01/07/2013 17:31

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		01/07/2013 10:42	1		DB-5MS 250(um)
ZZZZZ		01/07/2013 11:03	1		DB-5MS 250(um)
DFTPP 660-133227/1		01/07/2013 11:23	1	1CA07002.D	DB-5MS 250(um)
IC 660-133227/13		01/07/2013 11:50	1		DB-5MS 250(um)
IC 660-133227/14		01/07/2013 12:11	1		DB-5MS 250(um)
IC 660-133227/15		01/07/2013 12:32	1		DB-5MS 250(um)
IC 660-133227/16		01/07/2013 12:52	1		DB-5MS 250(um)
ICIS 660-133227/17		01/07/2013 13:13	1		DB-5MS 250(um)
IC 660-133227/18		01/07/2013 13:34	1		DB-5MS 250(um)
IC 660-133227/19		01/07/2013 14:03	1		DB-5MS 250(um)
IC 660-133227/20		01/07/2013 14:24	1		DB-5MS 250(um)
ICV 660-133227/21		01/07/2013 14:45	1		DB-5MS 250(um)
ZZZZZ		01/07/2013 15:04	1		DB-5MS 250(um)
IC 660-133227/3		01/07/2013 15:23	1	1CA07013.D	DB-5MS 250(um)
IC 660-133227/4		01/07/2013 15:41	1	1CA07014.D	DB-5MS 250(um)
IC 660-133227/5		01/07/2013 15:59	1	1CA07015.D	DB-5MS 250(um)
IC 660-133227/6		01/07/2013 16:18	1	1CA07016.D	DB-5MS 250(um)
ICIS 660-133227/7		01/07/2013 16:36	1	1CA07017.D	DB-5MS 250(um)
IC 660-133227/8		01/07/2013 16:54	1	1CA07018.D	DB-5MS 250(um)
IC 660-133227/9		01/07/2013 17:13	1	1CA07019.D	DB-5MS 250(um)
ICV 660-133227/10		01/07/2013 17:31	1	1CA07020.D	DB-5MS 250(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMC5973 Start Date: 02/15/2013 10:47

Analysis Batch Number: 134530 End Date: 02/15/2013 21:53

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/15/2013 10:47	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 11:05	1		DB-5MS 250(um)
DFTPP 660-134530/2		02/15/2013 11:23	1		DB-5MS 250(um)
DFTPP 660-134530/3		02/15/2013 11:40	1	1CB15003.D	DB-5MS 250(um)
CCVIS 660-134530/4		02/15/2013 11:56	1	1CB15004.D	DB-5MS 250(um)
ZZZZZ		02/15/2013 12:25	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 12:43	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 13:01	1		DB-5MS 250(um)
MB 660-134472/1-A		02/15/2013 13:20	1	1CB15008.D	DB-5MS 250(um)
LCS 660-134472/2-A		02/15/2013 13:38	1	1CB15009.D	DB-5MS 250(um)
680-87279-21	CV0748VV-CS	02/15/2013 13:56	1	1CB15010.D	DB-5MS 250(um)
680-87279-21 MS	CV0748VV-CS MS	02/15/2013 14:14	1	1CB15011.D	DB-5MS 250(um)
680-87279-21 MSD	CV0748VV-CS MSD	02/15/2013 14:33	1	1CB15012.D	DB-5MS 250(um)
ZZZZZ		02/15/2013 14:51	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 15:09	40		DB-5MS 250(um)
ZZZZZ		02/15/2013 15:28	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 15:46	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 16:04	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 16:23	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 16:41	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 17:00	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 17:18	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 17:36	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 17:55	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 18:13	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 18:31	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 18:50	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 19:08	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 19:26	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 19:45	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 20:03	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 20:21	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 20:39	1		DB-5MS 250(um)
ZZZZZ		02/15/2013 20:58	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 21:16	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 21:34	4		DB-5MS 250(um)
ZZZZZ		02/15/2013 21:53	4		DB-5MS 250(um)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: BSMC5973 Start Date: 02/18/2013 13:14

Analysis Batch Number: 134598 End Date: 02/18/2013 17:49

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
ZZZZZ		02/18/2013 13:14	1		DB-5MS 250(um)
ZZZZZ		02/18/2013 13:32	1		DB-5MS 250(um)
DFTPP 660-134598/2		02/18/2013 13:50	1	1CB18002.D	DB-5MS 250(um)
CCVIS 660-134598/3		02/18/2013 14:07	1	1CB18003.D	DB-5MS 250(um)
ZZZZZ		02/18/2013 14:28	1		DB-5MS 250(um)
ZZZZZ		02/18/2013 14:47	4		DB-5MS 250(um)
ZZZZZ		02/18/2013 15:05	4		DB-5MS 250(um)
ZZZZZ		02/18/2013 15:23	1		DB-5MS 250(um)
ZZZZZ		02/18/2013 15:41	1		DB-5MS 250(um)
ZZZZZ		02/18/2013 16:00	1		DB-5MS 250(um)
ZZZZZ		02/18/2013 16:18	1		DB-5MS 250(um)
680-87279-23	CV0748AAA-CS	02/18/2013 16:36	1	1CB18011.D	DB-5MS 250(um)
680-87279-25	CV0748EEE-CS	02/18/2013 16:54	1	1CB18012.D	DB-5MS 250(um)
680-87279-26	CV0748FFF-CS	02/18/2013 17:13	1	1CB18013.D	DB-5MS 250(um)
680-87279-29	CV0748JJJ-CS	02/18/2013 17:31	1	1CB18014.D	DB-5MS 250(um)
ZZZZZ		02/18/2013 17:49	4		DB-5MS 250(um)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Batch Number: 134455 Batch Start Date: 02/14/13 08:35 Batch Analyst: Cerome, Saurel

Batch Method: 3546 Batch End Date: 02/14/13 13:30

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX-625LVI SPK 00018	EXLLSURINT 00174		
MB 660-134455/1		3546, 8270C LL		15.15 g	1 mL		1 mL		
LCS 660-134455/2		3546, 8270C LL		15.14 g	1 mL	1 mL	1 mL		
680-87279-A-6 MS		3546, 8270C LL	T	15.35 g	1 mL	1 mL	1 mL		
680-87279-A-6 MSD		3546, 8270C LL	T	15.35 g	1 mL	1 mL	1 mL		
680-87279-A-23	CV0748AAA-CS	3546, 8270C LL	T	15.12 g	1 mL		1 mL		
680-87279-A-24	CV0748CCC-CS	3546, 8270C LL	T	15.00 g	1 mL		1 mL		
680-87279-A-25	CV0748EEE-CS	3546, 8270C LL	T	15.03 g	1 mL		1 mL		
680-87279-A-26	CV0748FFF-CS	3546, 8270C LL	T	14.99 g	1 mL		1 mL		
680-87279-A-27	CV0748KKK-CS	3546, 8270C LL	T	15.14 g	1 mL		1 mL		
680-87279-A-28	CV0748III-CS	3546, 8270C LL	T	15.16 g	1 mL		1 mL		
680-87279-A-29	CV0748JJJ-CS	3546, 8270C LL	T	15.15 g	1 mL		1 mL		
680-87279-A-31	CV0748AF-GS	3546, 8270C LL	T	14.94 g	1 mL		1 mL		

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Batch Number: 134455 Batch Start Date: 02/14/13 08:35 Batch Analyst: Cerome, Saurel

Batch Method: 3546 Batch End Date: 02/14/13 13:30

Batch Notes	
Acetone Lot #	EX-ACETON BOT_50
Balance ID	B001
Batch Comment	NONE
Person's name who did the concentration	SAUREL
Exchange Solvent Lot #	EX-MC CYCL_52
Exchange Solvent Name	DCM
Final Concentrator Volume	1 mL
MeCL2 Lot #	EX-MC CYCL_52
MeCl2/Acetone Lot #	EX-DCM/ACETON_16
Microwave Start Time	10:50 2/14/13
Microwave Stop Time	11:25 2/14/13
Na2SO4 Lot Number	EX-NA2S04A_62
Ottawa Sand Lot #	EX-OTTOWA SAND_10
Person's name who did the prep	SAUREL
SOP Number	TP-014
Person who witnessed spiking	AG
Surrogate Lot Number	EX-LLSURINT_174
TBA Lot #	N/.A
Water Bath ID	TURBOVAP2 #1/2/3/4
Water Bath Temperature	40

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Batch Number: 134472 Batch Start Date: 02/14/13 11:19 Batch Analyst: George, Abraham

Batch Method: 3546 Batch End Date: 02/14/13 15:20

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	EX-625LVI SPK 00018	EXLLSURINT 00174		
MB 660-134472/1		3546, 8270C LL		15.10 g	1 mL		1 mL		
LCS 660-134472/2		3546, 8270C LL		15.26 g	1 mL	1 mL	1 mL		
680-87279-A-21	CV0748VV-CS	3546, 8270C LL	T	15.13 g	1 mL		1 mL		
680-87279-A-21 MS	CV0748VV-CS	3546, 8270C LL	T	15.13 g	1 mL	1 mL	1 mL		
680-87279-A-21 MSD	CV0748VV-CS	3546, 8270C LL	T	15.13 g	1 mL	1 mL	1 mL		

Batch Notes	
Acetone Lot #	EX-ACETON BOT_50
Balance ID	B001
Batch Comment	NONE
Person's name who did the concentration	SAUREL
Exchange Solvent Lot #	EX-MC CYCL_52
Exchange Solvent Name	DCM
Final Concentrator Volume	1 mL
MeCL2 Lot #	EX-MC CYCL_52
MeCl2/Acetone Lot #	dcm/ acton _17
Microwave Start Time	13:30 2/14/13
Microwave Stop Time	14:05 2/14/13
Na2SO4 Lot Number	EX-NA2S04A_62
Ottawa Sand Lot #	EX-OTTOWA SAND_10
Person's name who did the prep	AG
SOP Number	TP-EX-14
Person who witnessed spiking	SC
Surrogate Lot Number	EXLLSURINT_174.
Water Bath ID	TURBOVAP2 #1/2/3/4
Water Bath Temperature	40

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Batch Number: 134472 Batch Start Date: 02/14/13 11:19 Batch Analyst: George, Abraham

Batch Method: 3546 Batch End Date: 02/14/13 15:20

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

COVER PAGE
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-87279-2

SDG No.: 68087279-2

Project: 35th Avenue Superfund Site

Client Sample ID	Lab Sample ID
CV0748VV-CS	680-87279-21
CV0748AAA-CS	680-87279-23
CV0748CCC-CS	680-87279-24
CV0748EEE-CS	680-87279-25
CV0748FFF-CS	680-87279-26
CV0748KKK-CS	680-87279-27
CV0748III-CS	680-87279-28
CV0748JJJ-CS	680-87279-29
CV0748AF-GS	680-87279-31

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-87279-2

SDG Number: 68087279-2

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 01/01/2004 18:10

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		0.1	

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job Number: 680-87279-2

SDG Number: 68087279-2

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 04/12/2010 08:14

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		0.1	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Instrument ID: NOEQUIP Method: Moisture

Start Date: 02/11/2013 13:02 End Date: 02/11/2013 13:16

Lab Sample ID	D/F	Type	Time	Analytes																			
				Moist																			
LCS 660-134338/1	1	T	13:02	X																			
ZZZZZZ			13:02																				
680-87279-21	1	T	13:02	X																			
680-87279-21 MS	1	T	13:02	X																			
680-87279-21 MSD	1	T	13:02	X																			
680-87279-23	1	T	13:02	X																			
680-87279-24	1	T	13:02	X																			
680-87279-25	1	T	13:02	X																			
680-87279-26	1	T	13:02	X																			
680-87279-27	1	T	13:02	X																			
680-87279-28	1	T	13:02	X																			
680-87279-29	1	T	13:16	X																			
680-87279-31	1	T	13:16	X																			

Prep Types

T = Total/NA

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: TestAmerica Tampa Job No.: 680-87279-2

SDG No.: 68087279-2

Batch Number: 134338 Batch Start Date: 02/11/13 13:02 Batch Analyst: Galio, Andrew

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry		
LCS 660-134338/1		Moisture		22	0 g	9.13 g	9.18 g		
680-87279-A-21	CV0748VV-CS	Moisture	T	24	0 g	4.26 g	3.96 g		
680-87279-A-21 MS	CV0748VV-CS	Moisture	T	25	0 g	4.48 g	4.08 g		
680-87279-A-21 MSD	CV0748VV-CS	Moisture	T	26	0 g	4.27 g	3.95 g		
680-87279-A-23	CV0748AAA-CS	Moisture	T	27	0 g	4.46 g	4.31 g		
680-87279-A-24	CV0748CCC-CS	Moisture	T	28	0 g	4.20 g	3.75 g		
680-87279-A-25	CV0748EEE-CS	Moisture	T	29	0 g	4.44 g	3.78 g		
680-87279-A-26	CV0748FFF-CS	Moisture	T	30	0 g	4.53 g	4.25 g		
680-87279-A-27	CV0748KKK-CS	Moisture	T	31	0 g	5.06 g	4.71 g		
680-87279-A-28	CV0748III-CS	Moisture	T	32	0 g	4.49 g	4.05 g		
680-87279-A-29	CV0748JJJ-CS	Moisture	T	33	0 g	4.72 g	4.01 g		
680-87279-A-31	CV0748AF-GS	Moisture	T	34	0 g	4.97 g	4.78 g		

Batch Notes	
Balance ID	2 No Unit
Date samples were placed in the oven	2.11.13

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Serial Number 59518

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
35th Ave Removal	2005148 1356	AL

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Haney		

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
R. Henderson	6283555550	

CLIENT NAME	CLIENT E-MAIL
DTE	LKrebs@dte.com.

CLIENT ADDRESS

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 4 OF 6

STANDARD REPORT DELIVERY ○

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

MATRIX TYPE — COMPOSITE (C) OR GRAB (G) INDICATE

REQUIRED ANALYSIS — PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LUFA	RCRA 8									REMARKS
2/6/13	1112	CV0748 QQ-CS	C		✓			X										
	1014	CV0748 AC-GS	G		✓			X										
	0918	CV0748 AB-GS	G		✓			X										
	1306	CV0748 AD-GS	G		✓			X										
	1530	CV0748 AE-GS	G		✓			X										
	1303	CV0748 RR-CS	C		✓			X										
	1326	CV0748 SS-CS	C		✓			X										
	1324	CV0748 TT-CS	C		✓			X										
	1349	CV0748 UU-CS	C		✓			X										
	1354	CV0748 VV-CS	C		✓			X										
	1357	CV0748 WW-CS	C		✓			X	X									
	1407	CV0748 XX-CS	C		✓			X										

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	2/7/13	1800						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	02/08/13	1916	YES ○ NO ○		87279	4.8°C

TAL8240-680 (1008)

Serial Number 59519

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)	PAGE 5 OF 6
35th Avenue Removal	2005148-1356	FL	
TAL (LAB) PROJECT MANAGER: Lisa Haney	P.O. NUMBER	CONTRACT NO.	
CLIENT (SITE) PM: R. Henderson	CLIENT PHONE: 6788555550	CLIENT FAX	
CLIENT NAME: ONE	CLIENT E-MAIL: Lkrebs@one.com		
CLIENT ADDRESS			
COMPANY CONTRACTING THIS WORK (if applicable)			

STANDARD REPORT DELIVERY ○
DATE DUE _____
EXPEDITED REPORT DELIVERY (SURCHARGE) ○
DATE DUE _____
NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: LUFA, RCRA 8

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LUFA	RCRA 8									REMARKS
2/6/13	1424	CU0748YY-CS	C		✓			X										
	1428	CU0748ZZ-CS	C		✓			X										
	1445	CU0748AAA-CS	C		✓			X										
	1447	CU0748BBB-CS	C		✓			X										
	1508	CU0748CCC-CS	C		✓			X	X									
	1519	CU0748DDD-CS	C		✓			X										
	1517	CU0748EEE-CS	C		✓			X										
	1521	CU0748FFF-CS	C		✓			X										
	1542	CU0748GGG-CS	C		✓			X										
	1545	CU0748HHH-CS	C		✓			X										
	1638	CU0748KKK-CS	C		✓			X										
	1546	CU0748III-CS	C		✓			X										

NUMBER OF CONTAINERS SUBMITTED

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
L Krebs	2/7/13	1800						
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	02/08/13	0916	YES ○ NO ○		87279	4.9°C

TAL8240-680 (1008)

02/20/2013

Serial Number 59520

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
35th Avenue Removal	30054148-1356	AL

TAL (LAB) PROJECT MANAGER	P.O. NUMBER	CONTRACT NO.
Lisa Haney		

CLIENT (SITE) PM	CLIENT PHONE	CLIENT FAX
A. Henderson	6783555550	

CLIENT NAME	CLIENT E-MAIL
ONE	Lkrebs@otie.com

CLIENT ADDRESS

COMPANY CONTRACTING THIS WORK (if applicable)

PAGE 6 OF 6

STANDARD REPORT DELIVERY ○

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

REQUIRED ANALYSIS: LUPAH, RCRA8

PRESERVATIVE

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	LUPAH	RCRA8								REMARKS
1/6/13	1627	CV0748JJJ-CS	C		✓			X									
	1420	CV0797A-CS	C		✓			X									
	1400	CV0798A-CS	C		✓			X	X								
	1355	CV0962D-CS	C		✓			X									
	1537	CV0748AF-GS	G		✓			X									
	1043	FM0138B-CS (sieve)	C		✓				X								
	1124	FM0139A-CS (sieve)	C		✓				X								
	0939	CV0748dd-CS (sieve)	C		✓				X								
	1357	CV0748WW-CS (sieve)	C		✓				X								
	1508	CV0748CCC-CS (sieve)	C		✓				X								
	1420	CV0798A-CS (sieve)	C		✓				X								

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
L Krebs	2/7/13	1800						

RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[illegible]	02/08/13	0916	YES ○ NO ○		680 87279	48 hr

TAL8240-680 (1008)

02/20/2013

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87279-2
SDG Number: 68087279-2

Login Number: 87279
List Number: 1
Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	Missing cooler.
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87279-2
SDG Number: 68087279-2

Login Number: 87279
List Number: 1
Creator: McNulty, Carol

List Source: TestAmerica Tampa
List Creation: 02/11/13 10:10 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Oneida Total Integrated Enterprises LLC

Job Number: 680-87279-2
SDG Number: 68087279-2

Login Number: 87279
List Number: 2
Creator: McNulty, Carol

List Source: TestAmerica Tampa
List Creation: 02/12/13 03:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	